

New Zealand Department of Scientific and Industrial Research
GEOPHYSICS DIVISION

NEW ZEALAND
SEISMOLOGICAL
REPORT

1965

SEISMOLOGICAL OBSERVATORY BULLETIN
E - 146



A. R. SHEARER, GOVERNMENT PRINTER, WELLINGTON, NEW ZEALAND—1971



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International Seismological Centre
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SEISMOLOGICAL OBSERVATORY, WELLINGTON,
NEW ZEALAND

ALL measurement and interpretation of records is carried out at the central station in Wellington. Communications should therefore be addressed to:

The Superintendent,
Seismological Observatory,
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APIA

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Observer/Technician: I. Anapu.

RAROTONGA

Observer-in-Charge: A.G. French, M.Sc.

RAOUL ISLAND

Observer: D.H. Thorp.

SCOTT BASE

Observer: A.L. Burrows.

INTRODUCTION

In the New Zealand Seismological Report for 1964, a number of changes in content and arrangement were made. These resulted from the growth of the recording network, the introduction of electronic computing, and changes in the requirements of international data centres. The present Report consolidates these changes, the chief difference from the previous year being that all station readings for distant earthquakes are now presented in two lists only, one for the stations within New Zealand, and the other for the remaining stations under New Zealand control. The Report still aims at summarising the standard measurements carried out at the Seismological Observatory, Wellington, and to provide a connected summary of seismic activity in New Zealand that will be of use and interest to the general reader as well as to the professional seismologist.

The main sections of the Report deal with the station constants, the instrumental and non-instrumental observations of New Zealand earthquakes, and instrumental readings of distant earthquakes obtained at New Zealand stations. Explanations of the data and the computer programmes employed are given at the beginning of each section. The boundary between local and distant earthquakes is roughly at ten degrees from Wellington. Because of the difficulty in determining the distance accurately before the final epicentre is available, and because some shocks beyond ten degrees are felt within New Zealand, a few shocks that are technically "distant" will be found in the local section. It should not be concluded that an earthquake was unrecorded until both sections of the Report have been studied.

The Report concludes with the usual abstracts of research papers published by members of the staff, details of Observatory publications and exchange agreements, separate epicentre maps showing shallow and deep activity, and isoseismal maps for the larger felt shocks. It is expected that the Report will retain this present form for some years.

STATIONS OF THE NEW ZEALAND NETWORK

THE NETWORK IN 1965

The New Zealand Seismograph Network not only covers the two main islands of New Zealand proper, but includes stations in adjacent territories from Samoa to the Antarctic. The stations are of two kinds, one having short period instruments, intended to record shocks originating within about 100 km, and the other having long-period instruments designed to provide information about distant earthquakes and the physical condition of the Earth. These functions interlock, and every seismograph gives some useful information in both fields.

Three new stations were established during 1965, and changes made to the equipment at two existing ones. The new stations are the World-Wide Standard Network station at Rarotonga, in the Cook Islands, which began continuous recording in August, and the local stations with vertical Willmore instruments at Mount John, near Lake Tekapo in the central part of the South Island; and at Mangahao, on a quiet site in the central axial mountain range of the North Island, about 100 km north-east of Wellington. The Mount John station began recording on May 29, and the Mangahao station on November 16. In March, the Willmore instrument at Karapiro was replaced with three component short-period Benioffs.

Early in the year, the natural period of the Press-Ewing instrument at Wellington was reduced from 30 sec. to 15 sec. at the request of the United States Coast and Geodetic Survey. The Wellington site is subject to rather severe tilts, and the records at the longer period were frequently marred by overlapping traces. Although this has not been completely eliminated by the reduction in period, there has been a great improvement in the quality and usefulness of the records. A similar reduction in period was made at Afiamalu, and in December at Scott Base.

By a fortunate coincidence, site-testing for a new station in the Chatham Islands was in progress at the time of the magnitude 4.6 earthquake on April 9, the largest to be felt in this region for many years, and satisfactory records were obtained. The large shallow earthquake off the Kaikoura coast on April 11 was also recorded. Continuous recording in the Chatham Islands did not begin until 1966.

The timing arrangements at Tuai and Tarata were improved by the installation of quartz crystal clocks. The station at Raoul Island, which was formerly recorded on 35 mm film was equipped with a conventional paper recorder in December 1964.

Attention is drawn to an error in the calibration of the instrument at East Cape, as published in the 1964 Report. The correct value of the magnification is 5,200 at 0.3 sec., as listed below.

STATION POSITIONS

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INDEX OF THREE-LETTER STATION CODES

Throughout the tabular sections of this Report, stations are identified by the international three-letter code abbreviations allotted by the U.S. Coast and Geodetic Survey. Codes for stations of the New Zealand Network are listed below.

Afiamalu	AFI	Gisborne	GNZ	Roxburgh	ROX
Apia	API	Hallett	HLL	Scott Base	SBA
Auckland	AUC	Kaimata	KAI	Suva	SUV
Bunnythorpe	BUN	Karapiro	KRP	Tarata	TNZ
Chateau	CNZ	Monowai	MNW	Tongariro	TON
Cobb River	COB	Onerahi	ONE	Tuai	TUA
East Cape	ECZ	Raoul Island	RAO	Wairakei	WNZ
Gebbies Pass	GPZ			Wellington	WEL

INDEX OF STATION POSITIONS

STN	LATITUDE			LONGITUDE			ALT M	GEOCENTRIC DIRECTION COSINES					
	D	M	S	D	M	S		A	B	C			
AFI	13	54	34 S	171	46	38 W	706	-0.961	070	-0.138	881	-0.238	865
API	13	48	26 S	171	46	30 W	2	-0.961	482	-0.138	979	-0.237	142
AUC	36	51	36 S	174	46	41 E	79	-0.798	711	+0.072	996	-0.597	271
BUN	40	17	0 S	175	38	1 E	60	-0.762	783	+0.058	225	-0.644	027
CIZ	43	57	18 S	176	33	56 W	45	-0.720	923	-0.043	265	-0.691	663
CNZ	39	12	00 S	175	32	51 E	1116	-0.774	682	+0.060	322	-0.629	467
COB	41	05	16 S	172	44	02 E	213	-0.749	824	+0.095	603	-0.654	694
ECZ	37	41	37 S	178	32	46 E	40	-0.793	026	+0.020	126	-0.608	855
GNZ	38	38	39 S	178	01	21 E	30	-0.782	622	+0.027	021	-0.621	911
GPZ	43	41	47 S	172	38	40 E	225	-0.719	365	+0.092	861	-0.688	397
KAI	42	31	33 S	171	24	31 E	82	-0.730	944	+0.110	432	-0.673	443
KRP	37	55	30 S	175	32	15 E	64	-0.788	423	+0.061	530	-0.612	049
MJZ	43	59	14 S	170	27	58 E	1000	-0.711	861	+0.119	557	-0.692	069
MNG	40	37	07 S	175	28	55 E	396	-0.758	859	+0.059	963	-0.648	488
MNW	45	46	49 S	167	37	07 E	155	-0.683	548	+0.150	054	-0.714	315
ONE	35	46	33 S	174	21	45 E	30	-0.809	242	+0.079	881	-0.582	020
RAO	29	15	1 S	177	55	1 W	110	-0.873	304	-0.031	743	-0.486	140
RAR	21	12	45 S	159	46	24 W	28	-0.875	524	-0.322	592	-0.359	711
ROX	45	28	33 S	169	19	13 E	106	-0.691	423	+0.130	391	-0.710	586
SBA	77	51	01 S	166	45	22 E	38	-0.206	194	+0.048	529	-0.977	307
SUV	18	08	56 S	178	27	26 E	6	-0.950	524	+0.025	599	-0.309	595
TNZ	39	11	14 S	174	22	49 E	123	-0.773	432	+0.076	103	-0.629	249
TON	39	12	10 S	175	32	17 E	1120	-0.774	642	+0.060	447	-0.629	505
TUA	38	48	29 S	177	09	02 E	274	-0.780	343	+0.038	839	-0.624	145
WEL	41	17	10 S	174	46	06 E	122	-0.750	486	+0.068	717	-0.657	304
WNZ	38	37	53 S	176	06	10 E	350	-0.781	415	+0.053	232	-0.621	736

STATION INSTRUMENTATION AND LITHOLOGY

Stations are listed in the alphabetical order of their international three-letter code designations. Pendulum and galvanometer periods T_0 and T_g are given in seconds. The damping of electromagnetic instruments, where not listed, may be assumed to be critical. Magnifications listed are for the period of maximum response unless some other period is stated.

	Instrument	Compt	To	Tg	Damping	Magnification
AFI	AFIAMALU					
	World-Wide Standard Station					
	Foundation: Basaltic lava flows.					
	Benioff	ZNE	1.0	0.75		12,500 at 1.0 sec
	Press-Ewing	ZNE				
			until Feb: 30	100		750 at 30 sec
			after Feb: 15	100		750 at 15 sec
API	APIA					
	Foundation: Coral sand on Recent and Pleistocene basalt.					
	Wood-Anderson	NE	0.8		crit.	2050
AUC	AUCKLAND					
	Foundation: Volcanic beds on Tertiary sandstone and mudstone.					
	Willmore I (photo-cell amplifier used with pen-and-ink recorder)	Z	1	2		7,600 at 0.8 sec
BUN	BUNNYTHORPE					
	Strong-motion station without automatic time-signal recording.					
	Foundation: Gravels, silts, and sands.					
	Imamura	Z	2		5:1	1
		NE	8		5:1	1
CIZ	CHATHAM ISLANDS					
	Foundation: Clay over basalt.					
	Willmore II	Z	1.0	0.25		5,000 (estimated)
CNZ	CHATEAU					
	This station is operated primarily for volcanological research, and is under the control of the Geophysical Survey. Records are made available to the Observatory for seismological study.					
	Foundation: Volcanic ash and lava.					
	Willmore I	Z	1.0	0.25		41,900 at 0.2 sec
COB	COBB RIVER					
	Foundation: Schist.					
	Wood-Anderson	E	0.8		crit.	2,800
ECZ	EAST CAPE					
	Foundation: Mudstone and Sandstone.					
	Willmore II	Z	1.0	0.25		5,200 at 0.3 sec
GNZ	GISBORNE					
	Foundation: Alluvium on Tertiary mudstone.					
	Willmore I	Z	1.0	0.25		8,900 at 0.3 sec
GPZ	GEBBIES PASS					
	Foundation: Rhyolite.					
	Wood-Anderson	N	0.8		crit.	2,800
KAI	KAIMATA					
	Foundation: Moraine and river gravels over Tertiary mudstone and sandstone.					
	Wood-Anderson	X	0.8		crit.	2,800
	This instrument is oriented so that the X component lies north-east.					
KRP	KARAPIRO					
	Foundation: Greywacke.					
	Until Feb 52:					
	Willmore I	Z	1.0	0.25		37,300 at 0.25 sec
	From Feb 25:					
	Benioff	Z	1.0	0.25		
						until Sep 15: 61,700 at 0.25 sec
						from Sep 15: 36,500 at 0.3 sec
						until Jun 29: 85,300 at 0.5 sec
						from Jun 29: 43,200 at 0.5 sec
	From Sep 14:					
	Benioff	N	1.0	0.25		12,200 at 1.0 sec
MNG	MANGAHAO					
	Foundation: Greywacke.					
	Willmore II	Z	1.0	0.25		48,600 at 0.3 sec
MNW	MONOWAI					
	Foundation: Tertiary sandstone.					
	Willmore II	Z	1.0	0.25		28,800 at 0.25 sec
MJZ	MOUNT JOHN					
	Foundation: Greywacke.					
	Willmore II	Z	1.0	0.25		50,000 at 0.5 sec
ONE	ONERAHI					
	Foundation: Basalt.					
	Wood-Anderson	E	0.8		crit.	2,800
RAO	RAOUL ISLAND					
	Foundation: Volcanic rock.					
	Willmore II	Z	1.0	0.25		4,800 at 0.25 sec
RAR	RAROTONGA					
	World-Wide Standard Station					
	Foundation: Basalt.					
	Benioff	ZNE	1.0	0.75		
						until November: 12,500 at 1 sec
						from November: 6,250 at 1 sec
	Press-Ewing	ZNE	15	100		375 at 15 sec
ROX	ROXBURGH					
	Foundation: Chlorite schist.					
	Willmore I	Z	1.0	0.25		12,100 at 0.25 sec
	Galitzin	Z	12	12		200 approx.
		NE	24	24		300 approx.

SBA SCOTT BASE					
World-Wide Standard Station					
Foundation: Frozen basaltic debris resting on lava-flows.					
Benioff	ZNE	1.0	0.75	6,250 (summer)	
Press-Ewing	ZNE	30	100	25,000 (winter)	
				750 (summer)	
				1,500 (winter)	
SUV SUVA					
Foundation: Hard fine-grained calcareous marl.					
Willmore II	Z	1.0	0.25	6,500	at 0.2 sec
TNZ TARATA					
Foundation: Pleistocene mudstone.					
Willmore I	Z	1.0	0.25	2,340	at 0.7 sec
TON TONGARIRO					
Foundation: Volcanic ash and lava.					
Wood-Anderson	X	0.8		crit.	2,800
This instrument is oriented so that the X component lies north-west					
TUA TUAI					
Foundation: Thick Tertiary sandstone and mudstone.					
Willmore I (until Dec 15)	Z	1.0	0.25	3,940	at 0.25 sec
Willmore II (from Dec 15)	Z	1.0	0.25	6,945	at 0.25 sec
WEL WELLINGTON					
World-Wide Standard Station					
Foundation: Greywacke.					
Benioff	ZNE	1.0	0.75	6,250	at 1.0 sec
Press-Ewing	Z			1,500	at 30 sec
until Jan 28:	30	100		750	at 15 sec
from Jan 28:	15	100			
	NE				
until Jan 28:	30	100		375	at 30 sec
from Jan 28:	15	100		750	at 15 sec
Willmore I	Z	1.0	0.25	20,000	at 0.25 sec
Wood-Anderson	NE	0.8		crit.	1,400
Imamura	Z	1		5:1	1
	NE	4		5:1	1
WNZ WAIRAKEI					
Foundation: Pumice breccia.					
Willmore I	Z	1.0	0.25	300	(approx.)

PRINCIPAL NEW ZEALAND EARTHQUAKES IN 1965

Although several of the earthquakes in 1965 were widely felt, none was strong enough to cause substantial damage, the larger shocks being deep, or centred in unpopulated areas, or off the coast.

The earthquake of 1965 May 20 (65/274, Map 3) is of particular interest because it was the first shock in the Fiordland Seismic Region that has been shown beyond dispute to have a greater than normal depth. The epicentre lies in the north-western part of Lake Te Anau, and the focus is at a depth of 103 ± 5 km. The existence of shocks at depths of this order in the Fiordland Region has long been suspected, but the absence of good recording stations at short distances has hitherto prevented adequate confirmation. The implications of the discovery have been further discussed by Hamilton and Evison (N.Z. J. Geol. Geophys. 10: 1319-29, 1967 Dec.). The shock was felt over the southern half of the South Island with maximum intensities of about MM5.

Of the large shallow shocks during the year, the most noteworthy are those of April 11 (65/216) of magnitude 6.1, centred in the sea about 100 km south-east of Kaikoura, and of June 15 (65/318, Map 3) of magnitude 6.0, centred near the mouth of the Motu River, in the eastern Bay of Plenty. Neither of these shocks produced reported intensities above MM5. The Motu earthquake was felt over most of the North Island, but the Kaikoura shock, which was apparently shallower, affected only the northern part of the South Island, as shown in the accompanying isoseismal map.

As usual, activity was more vigorous in the Kermadec Trench Region to the north-east of East Cape than in any part of New Zealand proper. The concentration of shallow activity in the region of $34^{\circ}\text{S}, 180^{\circ}$ (Map 1) calls for special remark. Deep focus activity associated with the Trench was more evenly distributed.

The most widely felt of the deep earthquakes was on December 8, of focal depth 221 km, magnitude 6.3, and centred beneath the Bay of Plenty about 100 km north of Opotiki (65/580). This shock shows the very elongated macro-seismic region typical of the deep earthquakes of the New Zealand Sub-Crustal Rift (Map 4). Intensities of MM3 or 4 were reported all over the eastern half of the North Island, and at isolated South Island localities as far south as Greymouth. No reports were received from Taranaki, or the Northland or Coromandel Peninsulas. A New Zealand Broadcasting Commission news report that the shock was felt in Auckland cannot be confirmed.

The felt area of this shock is strikingly similar to that of a shock on the previous day (epicentre 65/573). This shock, with a depth of 179 km and a magnitude of 5.5, was centred about 50 km to the north of Lake Taupo, and also brought no reports of intensities above MM4.

Of the other deep shocks having magnitudes greater than 5 and epicentres on land or close to the coast, several (65/174, 65/211 and 65/254) were not reported felt. The largest (65/518), on October 30, with a focal depth of 197 km and a magnitude of 5.4 was felt in the epicentral region in the Central Bay of Plenty and in parts of Hawkes Bay. Those on March 22 and December 30 (65/194 and 65/518) were reported from central and western Hawkes Bay, and that on April 16 (65/237) centred further to the south and reported from Ohakune alone. In no case did intensities exceed MM4.



A shock beyond the southern limit of the maps (epicentre 65/177) March 3 has been assigned a focal depth of 210 ± 27 km. In view of the physical implications of such a depth, further comment is necessary. In general, depth determinations are unacceptable unless at least one recording station is within a distance from the epicentre comparable with the focal depth, and this condition is not met. On the other hand, no clear crustal phases were noted when the records were read, and there was no obvious reason to restrict the computer to shallow solutions. The Bulletin of the International Seismological Centre, Edinburgh, gives a solution restricted to the suggested depth of 210 km, using additional readings from two Tasmanian stations. This position ($47.6^{\circ}\text{S} \pm 0.89^{\circ}$, $164.3^{\circ}\text{E} \pm 0.26^{\circ}$) is nearly $1\frac{1}{2}$ degrees north of the one adopted here. The Tasmanian residuals are very small, but provide little control in latitude. Because it gives better residuals at close stations, the New Zealand epicentre is probably the better one. The suggestion of depth is at best unproven.

Several other shallow shocks had magnitudes above 5. Most of them were in the Fiordland Region and not all of them were felt, though that of July 30 (65/383), with a magnitude of 5.0 and centred near Lake Te Anau, caused intensities of about MM4 over much of Otago and Southland. The shock of March 12 (65/185) centred between Cape Campbell and the mouth of the Clarence River was felt throughout Marlborough and the southern parts of the North Island, and that of January 14, in the National Park area (65/125) produced some unconfirmed reports of minor damage. Most of the central and southern parts of the North Island experienced MM4.

Among smaller shocks calling for comment is the shallow magnitude 4 shock on December 19 (65/600), which reached an intensity of MM5 in the central region, bringing goods from the shelves of several of the shops at Taneatua.

On August 22 a shock of magnitude 5.1 occurred in the upper reaches of the Rangitata River (65/413). An intensity of MM5 was experienced at Erewhon Station, which also reported a number of aftershocks. The main shock was also reported felt in the Lake Coleridge area. Other shocks, which the reported intensities reached MM5 occurred on March 23 in the Takaka district (65/196), on August 17 at the northern end of Cook Strait (65/403), and on November 6 near Taupo (65/531).

There were two shocks with unusual epicentres. The one on April (65/213) is near the south-west coast of the Chatham Islands. It had a magnitude of 4.6, making it the largest earthquake in this region for many years. An intensity of MM4 was reported from Waitangi, and the shock was felt extensively on Chatham Island and also on Pitt Island. By a fortunate coincidence, the shock occurred during site-testing for the station permanently established near Waitangi late in 1966, and records were obtained which have enabled the epicentre to be determined with much greater precision than would otherwise have been possible.

The other unusually placed epicentre (65/491) was centred near Timaru on October 18. It had a magnitude of 4.0 and was felt with an intensity of about MM4 in Timaru, and some nearby centres. The felt area did not extend to Temuka, Geraldine, Fairlie, or Waimate. Although other earthquakes in South Canterbury are known, they are not of frequent occurrence and have usually been small.

The swarm activity that began with the recording of more than 90 earthquakes within 20 km of the Wairakei seismograph station during 1965 December continued into 1966. The months of April and May were reasonably normal, but periodic bursts of activity occurred and the count in other months remained high. In October it rose to 25 and in November to 55. More than 30 shocks occurred on November 6 and 7, the largest (65/531) having a magnitude of 4.1. A new outbreak seemed possible, but the December figure fell to 33. Some smaller peaks have since been recorded, but although the level of activity is higher than before the outbreak, the count has not exceeded 10 per month since 1967 August. Shocks having swarm characteristics have been reported from Guthrie and Ngakuru throughout the year.

INSTRUMENTALLY DETERMINED ORIGINS

The following chronological list of the origins of New Zealand earthquakes is a summary of the determinations included in the next section of the Report, in which the detailed readings for each recording station are given. The Reference Number allocated in the first column of this list is used to identify the same shock in other sections of the Report. Date, Origin Time, Latitude and Longitude should be self-explanatory. Focal depths are given in kilometres, but it should be noted that when shocks are within the crust, the computer is restricted to solutions at depths of 12 or 33 km. The shallower depth is assigned if either of the phases Pg or Sg has been identified, and the greater depth if P* or S* is present without Pg or Sg. Quantities so restricted are identified by the letter R. The magnitude given conforms with Richter's original local magnitude scale, and is a mean of all separate determinations shown with the detailed station readings. S E is the standard error of the time residuals (in seconds), of those phases that have been used in obtaining the solution. In cases where the number of readings is exactly the number needed for a formal solution the letters ND (Not Defined) appear. NUM OBS is the number of separate phase readings used, and NUM STN the number of stations that recorded the shock, whether the readings were used in the epicentral solution or not.

The main list is followed by a short supplementary one containing only those shocks whose small magnitude or unfavourable position has resulted in insufficient data for an epicentre solution by computer. An asterisk following a reference number in the main list indicates that one or more earthquakes in the supplementary list come next in chronological order.

The lists are intended to contain all shocks of magnitude 4.0 and above within the New Zealand region, together with those shocks of lower magnitude or beyond the boundary of the region that have been reported felt. The boundary of the region is taken at approximately 10° from Wellington. Because accurate distance estimates cannot be made until the final stages of the interpretation, the readings of a few local shocks near the boundary will be found only in the "Distant" section of the Report, and *vice versa*.

TIMING ARRANGEMENTS

The Seismological Observatory is administratively responsible for the New Zealand Time Service, which broadcasts 15 sets of time-signals daily through the stations of the New Zealand Broadcasting Corporation. These signals, whose error seldom exceeds 20 msec, are automatically impressed upon the records at all stations within New Zealand except the strong-motion station at Bunnythorpe. The arrangements used have been described by B.H. Olsson (N.Z. Journal of Science and Technology, Vol. 37 B, pp.115-8, 1955 Sept.). Minute marks are derived in most cases from a quartz crystal clock, the remaining stations having an electric pendulum clock of the Synchronome type, or a marine chronometer fitted with electrical contacts. Stations of the World-Wide Standard Seismograph Network have the timing arrangements usual at such stations. At Suva and Raoul Island, the operator records several time-signals a day by depressing a hand-key when the signal is heard.

REF NUM	ORIGIN TIME H M S	LAT DEG	LONG DEG	DEPTH KM	MAG	S E SEC	NUM OBS
65/ 001	JAN 01 01 24 36.3	38.70S	175.87E	12 R	3.9	1.3	18
002	01 04 52 59.1	38.68S	175.88E	12 R	4.0	2.0	19
003	01 04 54 19.7	38.70S	175.89E	12 R	4.1	2.6	19
004	01 09 30 30.5	38.64S	175.85E	12 R	4.1	2.3	19
005	01 16 35 43.1	41.07S	174.74E	12 R	3.6	2.2	19
006	01 21 07 53.3	35.69S	178.72W	185	4.8	1.0	16
007	02 12 21 32.6	38.67S	175.66E	12 R	4.2	1.9	21
008	02 14 45 13.6	38.66S	175.84E	12 R	4.2	1.0	21
009	02 15 04 22.6	38.74S	175.81E	12 R	4.3	1.7	19
010	02 16 55 03.9	38.68S	175.86E	12 R	4.2	1.9	24
011	02 17 33 21.6	38.75S	175.93E	12 R	4.1	1.2	18
012	02 23 34 24.2	40.68S	176.79E	12 R	4.0	2.1	23
013	04 17 12 35.5	41.70S	172.56E	12 R	3.6	2.0	20
014	06 09 51 59.0	38.94S	175.78E	120	4.2	1.4	19
015	06 19 48 31.8	38.77S	175.88E	12 R	4.2	2.2	18
016	08 05 38 22.7	33.76S	179.93W	33 R	4.4	1.1	4
017	08 05 51 27.0	34.06S	179.37E	12 R	4.6	1.6	12
018	08 06 11 42.2	33.68S	179.96W	33 R	4.3	0.4	4
019	08 07 04 03.6	34.24S	179.56E	33 R	4.6	2.5	7
020	08 09 07 46.6	33.94S	179.54W	33 R	4.3	0.8	4
021	08 09 30 05.2	33.88S	179.03W	33 R	4.3	0.3	4
022	08 09 44 33.0	34.33S	179.93W	33 R	4.6	1.7	7
023	08 11 00 55.9	34.70S	179.72E	33 R	4.4	2.8	8
024	08 11 42 41.2	33.89S	179.81W	33 R	4.4	0.6	4
025	08 11 52 24.4	34.45S	179.91W	239	4.8	0.4	5
026	08 11 57 46.2	34.45S	179.95E	33 R	4.3	3.0	4
027	08 12 08 54.7	34.05S	179.93W	33 R	4.3	0.5	4
028	08 12 41 40.9	34.29S	179.84E	33 R	4.4	ND	3
029	08 12 49 53.8	34.23S	179.55E	33 R	4.8	2.1	15
030	08 14 01 55.2	30.85S	177.78W	33 R		0.1	4
031	08 14 05 00.0	34.00S	180.00W	33 R	4.6	R	0
032	08 14 31 38.8	34.40S	179.74E	33 R	4.5	1.6	9
033	08 14 38 38.8	34.25S	179.72W	33 R	4.2	1.5	4
034	08 14 45 36.9	34.06S	179.42W	33 R	4.3	0.2	4
035	08 15 20 20.4	34.37S	179.76E	33 R	4.3	0.3	4
036	08 15 41 56.1	34.02S	179.53W	33 R	4.5	1.6	4
037	08 16 07 47.5	38.85S	175.85E	12 R	4.5	2.2	25
038	08 16 23 49.4	34.09S	179.76E	33 R	4.6	0.3	4
039	08 16 45 18.8	38.73S	175.87E	12 R	3.9	1.8	21
040	08 17 11 38.6	34.13S	179.94E	33 R	4.3	0.3	4
041	08 18 01 28.2	34.55S	179.46E	33 R	4.6	1.6	8
042	08 18 02 48.0	34.39S	179.88E	33 R	4.7	1.2	7
043	08 18 40 48.5	34.29S	179.70W	33 R	4.4	0.6	4
044	08 18 54 22.6	33.56S	179.73W	33 R	4.3	1.0	4
045	08 19 25 32.0	34.00S	180.00W	33 R	4.3	R	0
046	08 20 24 55.4	34.03S	179.56E	33 R	4.7	2.8	9
047	08 21 11 45.3	36.98S	178.01E	33 R	3.9	2.6	5
048	08 23 16 29.5	34.39S	179.38E	33 R	4.8	2.6	10
049	09 00 49 09.1	34.25S	179.95W	33 R	4.5	0.8	4
050	09 00 51 57.1	34.01S	179.84W	33 R	4.4	1.6	4

LOCAL EARTHQUAKE ORIGINS

REF NUM	ORIGIN TIME H M S	LAT DEG	LONG DEG	DEPTH KM	MAG	S E SEC	NUM OBS	NUM STN
051	JAN 09 01 40 29.5	36.96S	178.04E	33 R	4.0	1.7	5	8
052	09 01 42 43.4	34.31S	179.48W	33 R	4.9	2.1	12	11
053	09 04 28 52.0	34.07S	179.52E	33 R	4.9	1.7	12	11
054	09 05 36 54.0	34.00S	180.00W	33 R	4.5	R	0	6
055	09 07 57 08.8	36.41S	178.39E	33 R	4.0	1.2	4	8
056	09 08 29 28.0	34.49S	179.43E	33 R	4.4	0.9	6	9
057	09 10 40 26.3	36.20S	178.46E	33 R	3.8	2.3	6	7
058	09 10 42 24.0	34.00S	180.00W	33 R	4.3	R	0	7
059	09 11 32 00.0	34.44S	179.47E	33 R	4.4	2.5	7	10
060	09 12 37 40.7	34.30S	179.29E	33 R	4.5	2.5	12	10
061	09 15 06 13.3	34.25S	179.88W	33 R	4.1	0.0	4	5
062	09 15 08 47.4	34.05S	180.00E	33 R	4.3	0.3	4	5
063	09 15 53 43.0	34.00S	180.00W	33 R	3.9	R	0	4
064	09 17 09 01.5	34.70S	179.31E	33 R	4.5	2.6	10	11
065	09 17 14 35.0	34.00S	180.00W	33 R	4.1	R	0	4
066	09 20 25 49.5	34.16S	179.74W	33 R	4.3	1.3	5	5
067	09 22 26 03.7	38.76S	175.81E	12 R	4.1	2.2	12	8
068	10 04 24 48.0	34.00S	180.00W	33 R	4.3	R	0	4
069	10 06 43 36.1	41.56S	174.20E	12 R	3.9	1.3	17	8
070	10 16 09 03.4	33.88S	179.58W	33 R	4.3	ND	3	3
071	10 17 53 04.0	34.00S	180.00W	33 R	4.5	R	0	3
072	10 18 22 05.0	50.00S	165.00E	33 R	4.7	R	0	3
073	10 19 19 29.3	38.75S	175.79E	12 R	3.6	2.7	13	7
074	11 01 31 33.0	34.00S	180.00W	33 R	4.2	R	0	3
075	11 03 22 23.9	36.10S	178.70E	33 R	3.9	ND	3	3
076	11 04 50 47.0	34.00S	180.00W	33 R	4.2	R	0	3
077	11 07 19 34.8	34.17S	179.42E	33 R	5.0	2.9	12	12
078	11 07 46 05.7	33.79S	178.77E	33 R	4.3	3.0	7	5
079	11 11 24 23.8	33.97S	179.41E	33 R	4.6	2.7	12	10
080	11 12 40 20.0	34.00S	180.00W	33 R	4.3	R	0	3
081	11 13 44 55.5	39.14S	173.72E	12 R	3.6	1.3	15	8
082	11 14 00 33.0	34.00S	180.00W	33 R	3.9	R	0	3
083	11 14 41 25.0	34.00S	180.00W	33 R	4.1	R	0	4
084	11 15 10 41.0	34.00S	180.00W	33 R	4.0	R	0	4
085	11 15 43 20.0	34.00S	180.00W	33 R	4.1	R	0	4
086	11 15 55 53.0	34.00S	180.00W	33 R	4.0	R	0	3
087	11 16 17 17.8	34.33S	179.63E	33 R	4.3	1.0	10	9
088	11 16 43 00.0	34.00S	180.00W	33 R	3.8	R	0	3
089	11 16 58 58.0	34.00S	180.00W	33 R	3.9	R	0	3
090	11 17 58 25.4	34.35S	179.19E	33 R	4.3	1.5	10	10
091	11 22 17 34.0	34.00S	180.00W	33 R	4.3	R	0	4
092	11 23 53 06.0	34.00S	180.00W	33 R	4.4	R	0	7
093	12 00 43 12.0	34.00S	180.00W	33 R	4.3	R	0	7
094	12 00 52 12.0	34.00S	180.00W	33 R	4.3	R	0	4
095	12 01 09 06.0	34.00S	180.00W	33 R	4.2	R	0	6
096	12 01 20 53.9	34.46S	179.27E	33 R	4.0	ND	3	4
097	12 02 39 09.0	34.55S	179.25E	33 R	4.5	2.2	12	12
098	12 04 27 18.0	34.00S	180.00W	33 R	4.3	R	0	7
099	12 04 31 00.6	35.20S	179.86W	33 R	4.4	2.6	5	6
100	12 06 22 06.1	38.76S	175.85E	12 R	3.6	1.2	12	8

REF NUM	ORIGIN TIME H M S	LAT DEG	LONG DEG	DEPTH KM	MAG	S E SEC	NUM OBS	NUM STN	REF NUM	ORIGIN TIME H M S	LAT DEG	LONG DEG	DEPTH KM	MAG	S E SEC	NUM OBS	NUM STN
65/ 101	JAN 12 06 25 18.3	39.40S	174.64E	33 R	3.9	1.8	14	1	151	JAN 29 22 47 58.0	34.00S	180.00W	33 R	4.5	R	0	4
102	12 06 32 54.0	34.00S	180.00W	33 R	4.3	R	0		152	30 08 40 28.0	32.12S	178.83W	214	5.4	2.9	17	15
103	12 07 43 18.0	34.00S	180.00W	33 R	4.7	R	0		153	31 10 54 03.3	37.33S	177.40E	140	4.2	2.2	14	9
104	12 10 50 12.0	34.00S	180.00W	33 R	4.6	R	0		154	FEB 01 12 29 27.2	38.72S	175.90E	12 R	3.9	0.9	12	8
105	12 13 12 36.0	34.00S	180.00W	33 R	4.1	R	0		155	02 04 52 33.1	41.25S	174.31E	12 R	4.1	1.9	14	7
106	12 15 54 36.4	33.81S	179.67E	33 R	5.2	2.8	15		156	05 00 13 45.3	41.63S	171.79E	12 R	3.7	2.1	11	5
107	12 18 55 36.6	34.00S	179.04E	179	4.7	1.4	14		157	05 02 44 15.0	38.81S	175.19E	272	4.4	0.8	16	9
108	12 20 51 30.0	34.00S	180.00W	33 R	4.1	R	0		158	05 18 31 30.5	43.70S	168.55E	33 R	4.0	2.3	7	4
109	13 04 52 31.0	34.00S	180.00W	33 R	4.1	R	0		159	05 23 31 42.2	36.08S	178.97E	254	4.4	3.6	8	6
110	13 04 54 20.0	34.00S	180.00W	33 R	4.0	R	0		160	06 12 04 26.3	47.68S	166.48E	12 R	5.2	2.8	19	9
111	13 09 02 30.0	34.00S	180.00W	33 R	4.2	R	0		161	08 21 31 37.0	40.86S	175.87E	12 R	3.8	2.1	12	7
112	13 09 07 27.0	34.00S	180.00W	33 R	4.7	R	0		162	10 09 08 40.8	35.74S	178.63E	268	4.3	2.1	11	8
113	13 14 57 27.0	34.00S	180.00W	33 R	4.0	R	0		163	10 17 34 47.4	33.02S	178.79W	380	5.2	2.6	6	8
114	13 14 57 47.0	34.00S	180.00W	33 R	4.3	R	0		164	12 03 56 16.1	40.15S	175.15E	33 R	3.7	2.6	12	7
115	13 16 53 06.7	38.72S	175.82E	12 R	4.5	1.7	31		165	12 08 13 32.9	40.40S	173.43E	187	3.9	1.8	12	8
116	13 16 56 38.8	38.70S	175.84E	12 R	4.2	2.1	21		166	14 17 51 53.2	41.11S	175.49E	12 R	3.7	2.0	13	7
117	13 16 57 47.4	38.63S	175.89E	12 R	3.6	0.9	6		167	17 18 04 33.7	41.37S	173.34E	103	4.4	1.7	17	10
118	13 21 43 34.4	38.76S	175.83E	12 R	3.9	1.6	17		168	18 18 04 33.7	39.24S	175.22E	186	4.1	1.6	14	9
119	13 22 07 20.0	34.00S	180.00W	33 R	4.2	R	0		169	20 00 56 51.1	40.32S	173.95E	64	3.6	0.4	8	4
120	14 00 06 22.6	34.35S	179.58E	33 R	4.7	2.9	12		170	22 23 33 00.7	44.44S	170.29E	12 R	3.9	1.3	11	4
121	14 13 01 34.1	38.65S	175.86E	12 R	3.6	1.2	16		171	24 17 07 06.4	39.85S	173.42E	33 R	3.7	2.2	9	5
122	14 15 10 17.2	38.69S	175.84E	12 R	3.4	1.1	20		172	26 12 01 00.2	37.23S	176.36E	111	4.4	3.6	11	9
123	14 16 42 07.0	34.00S	180.00W	33 R	4.5	R	0		173	28 06 15 35.1	36.34S	177.38E	297	5.3	2.5	21	11
124	14 16 44 12.0	34.00S	180.00W	33 R	4.5	R	0		174	28 14 12 11.0	39.24S	174.57E	216	5.0	1.4	20	11
125	14 16 46 24.4	39.05S	175.82E	12 R	5.4	2.9	30		175	MAR 03 01 46 58.9	40.66S	176.84E	12 R	4.8	2.3	16	10
126	15 01 13 43.0	34.00S	180.00W	33 R	4.1	R	0		176	03 07 26 57.1	39.97S	174.99E	33 R	3.5	2.6	10	5
127	15 03 47 47.7	38.80S	175.89E	12 R	3.9	2.0	13		177	03 16 44 09.2	48.99S	164.26E	210	5.0	2.5	9	6
128	15 03 53 43.2	38.68S	175.83E	33 R	3.6	2.3	10		178	05 15 21 21.1	37.98S	176.71E	235	4.3	1.9	17	11
129	15 05 53 14.8	38.71S	175.87E	12 R	3.5	1.3	10		179	07 14 13 03.7	38.62S	179.83W	33 R	4.5	1.9	20	11
130	21 06 09 59.8	34.19S	179.84E	33 R	5.4	2.8	12		180	07 22 10 43.0	45.02S	167.99E	96	4.5	2.8	11	6
131	21 11 12 18.0	38.66S	175.89E	12 R	3.8	1.1	13		181	08 10 53 10.1	37.99S	176.17E	229	4.9	1.3	16	11
132	21 11 35 46.3	38.40S	175.17E	33 R	3.4	6.1	8		182	09 15 32 43.7	34.82S	179.00E	340	4.3	1.8	11	7
133	21 18 07 19.6	38.72S	175.86E	12 R	3.6	0.9	14		183	09 20 15 19.0	37.91S	177.08E	190	4.6	2.4	20	13
134	21 18 24 44.2	38.70S	175.86E	12 R	3.2	1.1	9		184	11 01 54 35.8	32.48S	179.69E	459	5.6	0.8	12	9
135	22 19 17 43.9	47.36S	166.71E	12 R	5.0	2.1	16		185	12 08 07 55.1	42.08S	173.96E	12 R	5.1	1.6	16	12
136	22 19 22 17.8	41.86S	171.83E	12 R	3.2	0.9	14		186	13 08 15 57.2	38.98S	175.98E	161	4.0	3.2	8	6
137	24 12 12 42.6	33.73S	179.92E	345	4.8	3.3	13		187	14 14 08 38.4	38.43S	176.52E	281	3.9	2.4	8	5
138	25 05 46 35.6	45.35S	167.53E	120	3.6	ND	4		188	15 23 22 21.4	40.92S	172.67E	12 R	3.8	1.7	14	7
139	25 07 07 03.2	46.66S	160.32E	33 R	4.7	2.0	5		189	16 08 22 33.5	45.06S	167.43E	33 R	4.6	1.4	10	6
140	25 14 20 53.5	44.43S	168.28E	33	3.7	ND	4		190	18 11 42 51.7	39.74S	174.36E	230	3.8	1.8	13	8
141	25 23 15 30.7	40.65S	174.72E	12 R	4.5	1.9	30		191	19 13 10 11.4	41.67S	172.88E	78	3.8	1.5	10	7
142	26 02 37 12.4	38.72S	175.83E	12 R	3.6	1.5	15		192	20 08 41 51.0	42.83S	170.53E	33 R	3.6	2.2	7	4
143	26 06 24 58.0	34.00S	180.00W	33 R	4.4	R	0		193	22 04 58 01.1	38.44S	176.25E	124	4.6	1.4	14	10
144	26 14 09 18.5	38.73S	175.82E	12 R	4.4	1.7	25		194	22 06 08 05.6	38.35S	176.33E	183	5.5	1.5	23	15
145	27 06 10 08.2	33.61S	179.83W	33 R	4.6	2.3	10		195	23 11 20 31.1	40.93S	172.39E	12 R	4.0	1.8	18	10
146	27 16 18 57.4	39.64S	174.38E	261	3.7	1.2	15		196	23 21 44 10.7	40.85S	172.80E	12 R	4.2	1.8	15	9
147	27 20 41 26.4	31.76S	179.98E	524	5.2	1.9	20		197	24 08 24 46.0	47.50S	164.50E	33 R	4.6	R	0	4
148	28 05 38 54.7	39.34S	174.91E	226	4.3	1.0	15		198	24 17 19 50.8	49.24S	164.62E	33 R	4.9	2.2	10	5
149	29 03 55 52.0	38.71S	175.82E	12 R	3.8	1.2	14		199	25 05 06 22.1	38.81S	175.84E	33 R	4.0	2.1	13	9
150	29 03 56 02.9	38.72S	175.81E	12 R	4.2	2.1	23		200	25 07 05 10.9	38.70S	175.87E	166	4.3	1.4	10	5

REF NUM	ORIGIN TIME H M S	LAT DEG	LONG DEG	DEPTH KM	MAG	S E SEC	NUM OBS	NUM STN	NUM OBS	NUM STN
65/ 201	MAR 25 11 02 25.3	41.62S	171.83E	33 R	3.8	2.5	15			
202	25 17 16 36.2	38.18S	175.74E	264	4.2	0.5	14			
203	28 08 35 19.2	38.84S	175.89E	198	4.0	1.4	9			
204	31 01 48 00.3	38.62S	175.96E	186	4.3	2.2	14			
205	APR 01 00 11 09.1	38.46S	175.85E	199	4.7	1.5	21			
206	03 03 17 12.3	38.64S	175.35E	211	4.5	2.7	16			
207	03 04 40 40.9	49.66S	163.81E	33 R	4.9	2.5	9			
208	03 09 36 28.5	37.05S	176.88E	295	5.2	1.6	21			
209	03 15 07 19.0	39.67S	174.34E	209	4.4	1.7	11			
210	05 12 16 06.0	41.09S	178.31E	33 R	3.4	1.4	7			
211	05 23 49 06.9	39.68S	174.23E	227	5.3	1.3	24			
212	07 13 30 18.3	39.00S	173.83E	12 R	3.7	1.8	11			
213	09 13 18 58.7	44.10S	176.79W	33 R	4.6	2.5	8			
214	10 10 08 33.0	40.05S	175.24E	33 R	3.1	1.9	6			
215	10 10 10 45.3	41.09S	172.20E	12 R	4.0	1.4	8			
216	11 00 11 11.0	42.72S	174.30E	12 R	6.2	2.4	29			
217	11 00 29 33.6	42.70S	174.20E	12 R	3.7	2.5	14			
218	11 00 38 12.5	42.68S	174.42E	33 R	2.9	ND	3			
219	11 00 46 51.4	42.87S	174.34E	33 R	2.9	0.2	4			
220	11 00 49 39.1	42.77S	174.18E	12 R	3.1	3.0	8			
221	11 01 16 47.1	42.76S	174.17E	12 R	3.4	2.7	13			
222	11 01 55 22.3	42.62S	174.10E	12 R	3.3	2.3	10			
223	11 02 06 53.0	42.67S	174.16E	12 R	3.5	1.9	16			
224	12 08 47 39.6	32.77S	179.59W	166	5.0	4.7	6			
225	12 08 51 23.8	32.92S	177.99W	33 R	5.4	3.4	9			
226	12 10 11 13.2	34.09S	179.07W	226	5.0	ND	4			
227	12 10 17 16.3	32.96S	179.44W	157	5.1	5.0	7			
228	12 10 47 21.6	33.06S	178.20W	202	5.4	2.6	7			
229	12 11 22 57.6	32.95S	178.78W	185	5.3	4.2	9			
230	12 15 13 22.6	33.21S	177.64W	33 R	5.5	3.2	6			
231	12 20 26 04.5	32.58S	178.32W	204	6.0	4.4	13			
232	12 21 28 04.5	32.88S	177.93W	33 R	5.9	2.0	11			
233	15 06 44 56.8	35.53S	179.35E	332	4.5	1.5	13			
234	15 07 37 33.4	33.22S	177.16W	294	5.1	2.0	11			
235	15 07 44 29.8	33.08S	177.66W	33 R	5.1	2.5	9			
236	15 13 45 28.3	38.60S	175.90E	183	3.9	2.0	14			
237	16 02 33 41.8	40.43S	173.64E	180	5.0	2.5	27			
238	19 13 09 15.5	38.24S	176.27E	173	4.2	1.2	15			
239	21 15 53 16.2	37.14S	177.62E	227	4.3	1.1	13			
240	23 05 56 08.9	40.97S	172.45E	12 R	4.2	1.9	29			
241	23 09 24 06.8	41.46S	175.72E	12 R	3.6	1.5	9			
242	24 00 04 39.5	32.73S	178.47W	33 R	5.5	4.6	15			
243	24 00 59 40.3	32.58S	177.81W	270	4.9	3.3	7			
244	24 01 42 39.2	32.74S	177.45W	308	5.2	2.0	9			
245	24 02 37 17.8	33.12S	177.49W	279	5.2	1.7	10			
246	24 10 29 16.2	46.31S	165.82E	91	4.4	0.4	6			
247	24 15 40 27.5	34.89S	179.89E	299	4.9	1.7	15			
248	25 00 25 25.4	33.28S	177.69W	211	5.7	3.2	10			
249	25 02 45 44.4	33.01S	177.88W	246	5.4	2.6	11			
250	28 06 31 56.6	37.30S	177.18E	248	4.6	1.8	16			
251	APR 29 11 28 18.1	32.87S	178.22W	254	6.1	3.0	18		12	
252	29 22 32 05.7	32.04S	178.28W	33 R	5.5	4.1	9		8	
253	30 20 38 16.1	37.98S	176.41E	183	4.4	1.3	12		7	
254	MAY 01 08 37 24.6	37.81S	176.48E	222	5.3	2.4	17		9	
255	02 23 21 32.5	44.34S	166.74E	33 R	4.5	2.5	5		4	
256	03 19 58 07.2	38.24S	176.36E	196	4.7	2.1	15		9	
257	07 23 08 07.1	31.57S	179.09E	33 R	5.5	2.0	6		6	
258	08 12 50 49.0	32.44S	179.73W	499	5.2	2.9	10		6	
259	09 03 57 07.7	39.93S	174.20E	12 R	4.1	2.6	12		7	
260	10 16 21 50.4	40.14S	175.11E	12 R	4.0	1.6	10		6	
261	11 07 57 51.2	37.13S	179.68E	137	4.9	2.5	14		10	
262	11 08 12 40.0	39.40S	174.80E	150 R	3.8	R	0		5	
263	12 13 58 10.5	38.76S	175.61E	183	4.3	2.1	13		8	
264	12 19 42 33.4	41.40S	174.93E	33 R	3.5	2.5	5		4	
265	15 14 01 07.8	37.40S	176.86E	288	4.2	0.6	12		8	
266	15 16 39 11.6	47.27S	164.42E	33 R	5.7	5.0	17		11	
267	15 19 17 47.8	39.69S	175.28E	12 R	4.5	2.4	19		11	
268	15 22 13 29.9	39.97S	175.76E	12 R	4.0	2.6	11		6	
269	18 09 35 08.2	34.19S	175.94W	252	5.4	1.9	9		8	
270	18 15 26 15.9	47.80S	165.36E	33 R	4.7	2.9	8		6	
271	18 23 22 56.9	41.40S	171.36E	57	3.1	ND	4		3	
272	18 23 28 20.6	33.09S	179.43W	399	5.6	2.1	19		12	
273	20 02 03 29.2	40.63S	176.36E	12 R	5.3	1.8	27		16	
274	20 20 37 41.2	45.14S	167.63E	103 R	6.4	R	0		15	
275	20 23 10 57.9	44.88S	167.46E	33 R	4.2	2.7	6		4	
276	21 02 20 47.2	35.20S	179.05E	342	4.4	1.4	9		7	
277	21 15 54 35.1	47.60S	166.47E	33 R	5.4	2.0	13		10	
278	21 18 40 59.4	36.09S	178.15W	33 R	4.9	3.3	11		8	
279	21 19 30 19.4	35.42S	177.88W	267	4.6	1.9	9		6	
280	22 05 26 28.2	37.30S	177.52E	227	4.2	2.9	13		7	
281	22 09 04 06.0	36.08S	178.89W	209	4.6	1.8	12		9	
282	22 22 14 33.9	36.32S	178.27W	215	4.7	2.4	12		9	
283	22 23 26 53.9	36.70S	178.22W	196	4.6	6.2	12		9	
284	24 06 23 36.1	37.90S	176.56E	276	3.9	2.0	11		7	
285	24 09 01 01.6	40.24S	173.77E	33 R	3.6	3.9	9		6	
286	24 19 53 21.0	31.77S	179.27W	471	5.4	1.8	12		8	
287	25 06 06 21.6	39.06S	175.02E	216	3.6	1.1	11		7	
288	25 17 23 33.8	36.50S	178.07W	33 R	4.9	2.2	18		12	
289	26 06 42 53.4	36.02S	179.19W	33 R	5.3	2.0	12		12	
290	26 06 55 42.5	36.31S	178.73E	33 R	4.0	1.4	4		4	
291	26 08 33 24.0	36.04S	179.03W	33 R	5.1	2.0	12		12	
292	26 14 03 22.2	35.73S	179.55W	230	4.5	1.2	12		9	
293	26 22 00 14.4	34.25S	179.26W	254	5.5	2.6	15		11	
294	27 18 12 24.1	37.45S	177.92E	171	4.2	1.6	11		7	
295	27 23 59 39.7	50.23S	166.94E	33 R	4.7	5.9	6		4	
296	29 23 45 34.5	38.60S	176.00E	188	3.8	2.3	8		7	
297	30 07 31 48.9	39.15S	176.42E	129	3.9	2.1	13		8	
298	31 00 01 17.8	36.00S	178.67E	33 R	4.3	2.7	11		9	
299	31 17 11 03.9	42.38S	172.49E	33 R	3.8	2.5	15		9	
300	31 23 37 07.4	43.23S	171.30E	12 R	4.9	3.1	25		15	

REF NUM	ORIGIN TIME H M S	LAT DEG	LONG DEG	DEPTH KM	MAG	S E SEC	NUM OBS	REF NUM	ORIGIN TIME H M S	LAT DEG	LONG DEG	DEPTH KM	MAG	S E SEC	NUM OBS	NUM STN
65/ 301	JUN 02 16 30 08.5	38.38S	176.30E	33 R	3.0	ND	3	5/ 351	JUL 04 08 01 37.7	40.48S	174.48E	33 R	4.1	2.1	19	10
302	02 19 58 12.4	37.87S	176.30E	220	4.5	1.1	13	352	05 18 25 01.7	40.03S	174.96E	33 R	3.3	1.8	10	5
303	06 09 26 14.7	39.20S	175.21E	153	4.4	1.7	18	353	05 20 26 26.9	41.48S	172.57E	12 R	4.1	2.4	23	13
304	06 20 44 53.9	37.47S	176.81E	243	4.2	2.4	8	354	07 16 35 45.2	39.77S	176.91E	12 R	4.5	1.5	27	15
305	08 07 45 49.5	32.59S	179.15W	487	5.5	3.4	11	355	07 19 15 45.9	39.78S	177.98E	12 R	4.0	2.0	19	12
306	08 15 03 34.2	42.64S	179.13E	33 R	4.1	1.9	12	356	08 09 29 48.9	37.91S	177.46E	152	4.3	3.2	19	12
307	09 15 54 55.2	32.65S	178.64W	297	5.7	1.4	21	357	08 13 12 30.4	33.95S	178.88W	33 R	4.9	2.5	19	14
308	11 08 32 15.0	40.61S	174.34E	128	4.1	2.1	17	358	08 13 16 35.3	33.15S	179.56E	33 R	4.6	4.0	13	10
309	11 20 22 14.7	39.02S	177.25E	33 R	3.7	1.0	9	359	08 18 25 49.7	40.51S	175.98E	12 R	4.6	1.9	40	15
310	12 00 23 24.6	41.23S	174.31E	12 R	4.6	1.9	23	360	08 20 27 43.4	36.04S	177.85E	270	4.8	2.0	20	14
311	12 14 08 50.5	39.09S	176.25E	120	4.5	2.2	12	361	12 22 07 59.4	37.02S	177.33E	12 R	4.5	1.6	15	11
312	13 13 12 40.2	41.17S	174.14E	35 R	3.7	2.6	14	362	13 19 32 08.1	38.06S	176.47E	169	4.2	2.5	15	10
313	13 18 47 29.5	33.98S	176.87W	169	5.4	2.6	22	363	15 00 51 39.5	37.94S	176.47E	285	4.2	2.0	16	11
314	13 23 06 57.3	47.28S	162.99E	144	4.7	2.3	6	364	15 12 35 18.0	50.00S	165.00E	33 R	3.8	R	0	3
315	14 05 40 36.1	44.84S	167.53E	33 R	3.8	2.1	7	365	16 16 39 36.0	38.97S	174.00E	12 R	4.0	2.1	26	13
316	14 19 31 13.3	39.81S	174.20E	147	4.0	3.0	11	366	18 13 01 14.7	33.99S	179.56E	335	4.6	3.3	9	8
317	15 04 13 38.8	44.57S	167.46E	33 R	4.3	1.5	6	367	19 23 58 10.3	39.22S	174.88E	12 R	3.3	2.4	7	4
318	15 09 20 31.6	37.93S	177.52E	33 R	6.0	1.9	24	368	20 03 57 38.5	37.35S	177.40E	172	4.5	1.6	16	11
319	15 11 26 28.8	37.04S	178.29E	187	4.7	1.5	12	369	20 08 39 08.1	40.24S	174.34E	109	3.7	1.3	16	10
320	15 19 26 13.9	37.95S	177.94E	125	4.3	3.0	10	370	20 15 25 09.1	41.86S	171.85E	12 R	4.1	2.2	36	13
321	16 01 57 36.9	45.51S	166.66E	33 R	4.5	2.2	7	371	20 19 22 25.0	40.94S	176.39E	12 R	4.0	2.8	26	12
322	16 06 08 43.2	39.67S	174.75E	135	3.9	2.6	8	372	21 02 34 09.6	40.35S	177.00E	33 R	3.7	0.9	16	12
323	16 09 24 24.8	38.52S	177.89E	76	4.3	2.9	10	373	23 02 17 12.1	44.36S	168.20E	12 R	3.7	1.6	10	5
324	16 13 41 47.6	38.56S	176.09E	33 R	2.9	3.9	5	374	23 02 49 43.5	38.68S	175.37E	254	4.3	0.9	16	11
325	16 15 54 02.9	45.76S	166.27E	33 R	4.2	1.3	8	375	23 20 56 18.3	38.96S	173.88E	12 R	2.9	1.1	6	4
326	17 06 34 37.3	42.88S	175.59E	33 R	3.9	2.1	16	376	25 10 51 47.8	41.38S	173.03E	118	4.3	1.4	19	13
327	17 10 51 33.4	34.09S	178.26W	33 R	5.7	3.8	18	377	26 18 43 47.4	44.92S	167.79E	33 R	4.4	2.7	12	9
328	19 03 46 19.2	41.58S	174.14E	33 R	3.7	2.4	14	378	26 19 18 16.2	38.57S	175.69E	237	4.3	1.4	20	12
329	20 02 42 08.4	38.96S	175.93E	168	4.1	1.3	12	379	27 08 26 29.7	34.70S	178.35W	33 R	5.3	2.9	20	14
330	21 12 11 43.0	41.20S	173.50E	33 R	3.0	R	0	380	27 11 22 54.6	39.18S	174.99E	215	3.7	1.6	16	10
331	21 20 43 13.3	45.78S	170.34E	33 R	3.3	3.4	7	381	28 15 15 35.1	39.02S	174.04E	12 R	3.6	1.5	18	9
332	22 22 24 08.0	38.47S	179.14E	33 R	4.4	1.0	5	382	29 13 06 14.0	42.56S	173.32E	12 R	3.8	2.1	32	12
333	22 22 30 37.0	37.65S	178.10E	33 R	4.1	R	0	383	30 11 25 07.7	45.04S	167.85E	33 R	5.0	3.3	26	12
334	23 10 59 13.9	33.65S	176.86W	265	5.5	2.0	8	384	30 16 50 20.2	37.58S	177.01E	12 R	4.3	3.4	24	13
335	24 23 26 40.6	39.50S	174.53E	183	3.9	1.9	11	385	AUG 01 13 45 26.0	39.20S	174.00E	33 R	3.2	R	0	2
336	25 05 37 00.5	40.65S	173.47E	155	4.0	2.3	13	386	01 23 44 31.3	32.93S	178.46W	198	6.2	2.5	12	11
337	26 07 44 00.2	40.97S	175.53E	81	4.4	2.8	17	387	02 08 58 17.1	38.68S	175.71E	202	4.1	1.6	19	10
338	27 00 55 15.3	34.01S	179.31W	201	5.5	3.0	17	388	04 06 01 02.1	39.29S	174.65E	33 R	4.0	0.5	7	5
339	27 08 17 13.2	38.25S	177.81E	90	3.9	1.6	9	389	08 06 27 45.4	39.69S	177.54E	12 R	4.5	3.0	18	10
340	27 08 40 55.0	46.30S	166.50E	33 R	4.0	R	0	390	10 03 55 39.8	38.22S	175.80E	312	4.3	1.6	11	8
341	28 03 31 54.4	38.50S	176.36E	184	4.4	2.9	18	391	11 04 30 24.2	44.03S	170.21E	33 R	4.1	2.3	10	6
342	28 14 58 11.0	37.99S	177.80E	33 R	4.8	3.0	23	392	11 12 22 52.2	33.79S	178.97W	284	5.4	2.0	14	11
343	29 01 42 45.3	38.96S	176.21E	33 R	3.7	1.6	11	393	12 06 02 13.2	33.57S	179.59W	226	4.8	2.8	12	10
344	29 21 38 50.3	39.00S	178.15E	33 R	4.5	1.3	10	394	12 08 51 55.2	38.56S	175.97E	12 R	3.9	1.4	15	8
345	30 03 39 39.9	37.97S	177.43E	33 R	4.5	2.7	14	395	12 14 28 00.5	41.14S	173.37E	12 R	3.7	1.6	12	6
346	JUL 02 05 07 13.5	37.61S	178.17E	129	4.8	2.0	20	396	13 11 47 26.6	38.07S	176.68E	33 R	4.3	1.3	8	5
347	03 22 29 27.4	37.86S	177.57E	33 R	4.1	1.5	16	397	13 18 46 52.5	38.60S	175.97E	12 R	4.3	1.6	15	14
348	03 22 33 27.0	38.29S	176.56E	174	3.7	2.3	14	398	13 18 51 29.0	38.60S	176.00E	12 R	2.6	R	0	2
349	04 00 55 45.8	38.44S	176.08E	12 R	3.2	4.1	6	399	13 18 53 34.0	38.60S	176.00E	12 R	R	R	0	1
350	04 00 56 47.0	38.49S	176.07E	12 R	4.7	R	0	400	14 15 18 31.6	37.47S	176.79E	247	4.3	2.0	11	9

REF NUM	ORIGIN TIME H M S	LAT DEG	LONG DEG	DEPTH KM	MAG	S E SEC	NUM OBS
65/ 401	AUG 16 05 31 08.0	46.10S	166.30E	33 R	3.8	R	0
402	16 08 58 26.2	34.63S	179.34E	274	4.5	1.4	11
403	17 00 14 57.5	40.72S	174.98E	12 R	4.9	2.1	24
404	17 17 58 03.2	34.32S	179.63W	33 R	4.5	2.5	11
405	18 10 04 35.9	40.22S	173.38E	173	3.7	3.0	12
406	18 14 38 07.4	38.46S	176.65E	12 R	3.9	2.5	14
407	19 12 19 36.3	39.14S	178.68E	12 R	4.4	2.7	20
408	19 13 00 49.0	41.43S	174.18E	33 R	3.5	0.9	13
409	20 05 22 11.7	39.33S	177.52E	33 R	4.1	3.0	13
410	20 10 07 29.1	39.51S	175.75E	87	4.4	2.0	19
411	21 00 07 35.9	37.43S	177.80E	33 R	3.9	2.6	11
412	21 22 27 37.0	44.80S	167.39E	12 R	4.2	1.3	8
413	22 03 20 34.3	43.42S	170.77E	12 R	5.1	2.1	21
414	22 04 47 32.3	34.59S	178.03W	267	5.4	2.1	13
415	22 04 59 07.0	43.50S	170.80E	33 R	2.7	R	0
416	22 09 08 04.0	43.50S	170.60E	33 R	2.9	R	0
417	22 17 26 05.5	43.40S	170.90E	33 R	2.8	R	0
418	24 05 17 46.0	37.40S	176.41E	334	5.2	0.8	16
419	25 15 03 51.0	43.50S	170.66E	33 R	2.7	0.7	5
420	28 07 00 28.6	39.32S	174.80E	33 R	3.7	2.0	14
421	28 09 33 34.9	38.98S	175.20E	165	3.8	2.0	14
422	28 20 33 15.2	38.04S	176.09E	229	5.2	1.2	18
423	29 00 39 18.2	42.31S	172.90E	12 R	4.0	2.1	23
424	29 09 35 37.7	43.42S	170.72E	33 R	3.6	1.2	8
425	29 14 17 43.1	34.72S	179.49E	276	4.6	1.9	13
426	30 07 26 52.3	43.51S	170.66E	33 R	2.7	0.0	4
427	30 07 35 19.2	49.19S	164.15E	33 R	4.9	3.0	7
428	31 17 37 46.4	38.00S	176.69E	186	4.0	0.9	12
429	01 04 47 32.3	35.11S	179.85W	238	6.3	1.6	25
430	01 07 42 45.5	43.52S	170.88E	12 R	2.7	1.2	6
431	01 09 28 17.0	38.60S	176.00E	12 R	R	R	0
432	01 09 28 45.3	38.59S	176.05E	12 R	2.7	1.9	8
433	01 09 38 12.0	38.60S	176.00E	12 R	R	R	0
434	02 04 29 07.6	37.48S	177.93E	150	4.5	2.0	20
435	02 23 03 25.7	39.94S	173.32E	12 R	3.6	1.4	22
436	03 07 19 15.5	43.33S	170.43E	12 R	3.0	1.5	8
437	05 21 48 20.4	35.79S	176.72W	33 R	4.7	3.9	16
438	05 21 50 19.3	39.02S	175.69E	125	3.8	2.3	12
439	06 00 35 56.4	37.34S	176.73E	301	4.4	0.5	17
440	06 06 08 26.7	40.33S	173.65E	177	4.3	1.6	21
441	06 11 51 41.8	43.46S	170.79E	12 R	2.7	1.8	9
442	08 06 32 15.3	39.35S	173.67E	12 R	3.8	1.4	19
443	08 06 35 54.9	39.30S	173.60E	12 R	3.4	1.4	16
444	09 18 11 07.1	38.09S	176.18E	229	4.2	2.3	18
445	10 13 01 36.0	33.65S	179.02W	278	4.8	1.8	17
446	15 14 29 07.9	41.88S	174.78E	33 R	3.3	1.0	13
447	17 01 18 54.3	40.24S	173.97E	168	4.6	1.7	21
448	17 07 28 50.3	36.49S	178.13E	218	4.3	1.1	18
449	18 00 20 27.9	39.91S	177.20E	12 R	4.5	1.4	29
450	18 00 52 46.6	38.63S	175.96E	173	4.5	1.6	25

LOCAL EARTHQUAKE ORIGINS

REF NUM	ORIGIN TIME H M S	LAT DEG	LONG DEG	DEPTH KM	MAG	S E SEC	NUM OBS	NUM STN
5/ 451	SEP 18 02 32 22.5	41.13S	172.77E	12 R	3.6	2.4	23	8
452	19 21 47 30.8	40.36S	173.47E	211	4.4	1.6	23	14
453	20 18 18 50.3	39.50S	174.92E	163	4.4	1.6	26	15
454	21 03 15 26.6	36.88S	179.73E	166	4.5	1.7	17	12
455	21 18 13 32.2	39.38S	177.62E	12 R	3.9	1.6	16	9
456	23 12 17 42.5	38.40S	174.06E	12 R	3.7	1.3	21	9
457	25 19 51 31.5	34.14S	179.73E	33 R	4.5	4.1	18	13
458	26 01 02 59.1	32.29S	179.37W	481	5.3	2.6	21	13
459	26 09 12 37.2	38.70S	175.85E	12 R	3.1	1.1	10	6
460	26 11 38 55.3	38.69S	175.85E	12 R	2.7	1.1	12	6
461	28 04 40 23.0	39.94S	173.13E	12 R	3.6	0.9	23	8
462	28 18 43 33.8	42.86S	172.85E	12 R	3.5	2.7	20	9
463	02 18 56 29.1	38.76S	175.79E	12 R	3.2	0.3	8	7
464	02 19 51 07.5	39.18S	176.64E	12 R	3.1	0.6	7	4
465	03 16 46 25.5	38.70S	175.91E	12 R	3.0	0.5	8	6
466	04 03 12 34.6	33.15S	179.75W	310	5.7	1.7	16	10
467	04 11 37 38.9	40.09S	175.16E	33 R	3.7	1.1	11	7
468	05 05 32 27.0	38.16S	176.47E	220	4.2	2.5	14	7
469	08 11 00 39.7	39.69S	176.90E	33 R	3.6	1.3	12	7
470	09 04 44 33.8	33.49S	179.93W	315	5.3	1.9	19	13
471	09 22 51 02.8	44.89S	167.81E	89	4.5	0.6	10	5
472	10 05 48 14.9	38.74S	175.86E	12 R	3.6	0.3	7	6
473	10 11 05 47.5	39.89S	175.53E	33 R	4.0	1.7	19	11
474	11 10 27 07.2	34.28S	179.92W	33 R	4.7	1.2	10	9
475	11 10 37 24.2	38.76S	175.81E	12 R	3.6	0.5	8	6
476	11 10 46 44.2	38.76S	175.84E	12 R	3.0	0.7	5	5
477	11 11 42 43.7	38.76S	175.85E	12 R	3.2	0.2	6	6
478	12 06 08 01.0	43.30S	170.51E	33 R	3.7	1.9	10	5
479	13 07 58 10.5	38.85S	175.92E	12 R	3.0	0.8	6	4
480	14 03 26 42.4	38.77S	175.90E	12 R	3.3	0.3	7	5
481	14 04 13 31.5	38.80S	175.92E	12 R	3.4	0.3	7	5
482	14 16 55 51.5	39.29S	175.64E	61	3.5	1.6	7	5
483	15 02 28 22.1	38.73S	175.90E	12 R	3.3	0.3	5	5
484	16 02 25 23.9	38.51S	176.03E	188	4.2	1.9	12	8
485	16 06 18 00.8	38.68S	175.90E	12 R	3.1	0.6	5	4
486	16 15 27 25.4	38.78S	175.95E	12 R	3.0	0.5	7	5
487	17 16 45 51.9	38.75S	175.89E	12 R	3.1	0.3	8	5
488	18 08 56 22.0	33.02S	179.64W	381	5.2	1.5	11	9
489	18 14 28 16.0	44.69S	167.60E	33 R	4.0	1.2	8	5
490	18 16 56 09.9	38.49S	176.09E	159	4.6	1.5	21	15
491	18 22 11 52.9	44.36S	171.19E	33 R	4.0	1.1	8	5
492	19 06 09 13.0	35.44S	178.36W	202	4.9	1.6	15	10
493	20 07 42 25.2	38.75S	175.78E	12 R	3.5	0.5	5	4
494	21 21 30 59.0	38.77S	175.87E	12 R	3.5	0.8	6	6
495	22 18 21 40.0	38.78S	175.86E	12 R	3.3	0.3	5	4
496	22 19 04 08.3	38.69S	175.89E	12 R	3.0	0.4	8	6
497	23 00 00 32.3	39.20S	175.34E	33 R	3.4	0.5	9	5
498	23 03 04 25.4	38.76S	175.98E	12 R	2.9	0.3	4	6
499	23 04 13 41.9	38.84S	175.90E	185	4.6	1.3	16	12
500	23 11 23 25.7	38.77S	175.88E	12 R	3.0	0.4	8	6

REF NUM	ORIGIN TIME H M S	LAT DEG	LONG DEG	DEPTH KM	MAG	S E SEC	NUM OBS
65/ 501	OCT 23 13 59 11.9	34.86S	174.44W	33 R	5.7	2.3	11
502	24 18 01 43.2	38.79S	178.10E	33 R	4.1	0.7	9
503	25 14 42 34.7	45.01S	167.18E	33 R	3.9	1.4	8
504	25 21 28 08.6	38.71S	177.88E	33 R	3.8	1.2	12
505	27 10 34 29.7	35.29S	179.15E	280	4.6	1.3	14
506	27 15 56 33.8	45.33S	167.44E	33 R	4.4	1.2	9
507	27 22 52 51.6	43.80S	170.53E	33 R	3.7	0.9	8
508	28 07 34 26.0	38.73S	175.98E	12 R	3.3	0.2	4
509	29 03 48 14.2	33.85S	179.16W	33 R	4.9	3.2	12
510	29 04 07 28.5	34.22S	177.45W	197	5.2	7.4	15
511	29 04 09 02.2	34.75S	178.09W	170	5.4	2.9	12
512	29 04 28 15.5	39.84S	174.14E	155	4.1	1.1	14
513	29 05 33 59.2	38.64S	175.90E	12 R	3.1	0.8	4
514	29 05 48 02.4	33.19S	177.64W	33 R	5.5	2.6	8
515	29 06 45 56.9	38.70S	175.97E	12 R	2.9	0.3	4
516	29 23 55 10.6	34.62S	179.02E	333	5.3	1.3	21
517	30 10 17 51.8	38.16S	176.30E	295	4.2	1.0	11
518	30 16 39 14.5	38.15S	176.42E	197	5.4	2.3	22
519	31 19 12 11.4	38.77S	175.76E	12 R	3.2	0.2	6
520	31 19 58 44.1	39.05S	176.04E	12 R	3.0	0.6	6
521	NOV 31 23 11 03.3	39.24S	175.12E	172	4.8	1.4	17
522	02 07 01 50.6	38.82S	175.96E	12 R	3.6	0.3	7
523	04 23 33 12.5	38.87S	175.95E	12 R	2.7	1.6	5
524	06 09 20 31.2	38.76S	175.93E	12 R	3.7	0.5	5
525	06 12 50 23.1	38.75S	175.94E	12 R	3.7	0.5	6
526	06 12 51 18.6	38.73S	175.93E	12 R	3.4	0.6	4
527	06 12 54 39.2	38.75S	175.94E	12 R	3.3	0.6	6
528	06 13 19 46.0	38.76S	175.92E	12 R	3.3	0.3	8
529	06 14 48 29.1	38.76S	175.90E	12 R	3.3	0.3	7
530	06 15 09 41.2	38.76S	175.92E	12 R	3.4	0.8	8
531	06 15 28 59.7	38.76S	175.93E	12 R	4.1	0.4	7
532	06 17 18 30.9	38.70S	175.94E	12 R	3.3	0.4	6
533	07 08 43 06.3	38.82S	175.95E	12 R	3.5	0.5	6
534	07 08 43 44.0	38.86S	175.96E	12 R	3.9	0.9	5
535	07 17 29 40.5	39.33S	174.95E	33 R	3.1	1.8	8
536	07 19 10 44.7	38.37S	178.57E	109	4.8	2.4	15
537	09 10 15 26.2	34.34S	177.99W	33 R	5.1	2.9	15
538	10 08 37 21.5	44.73S	167.36E	33 R	4.7	1.2	14
539	11 04 47 38.3	37.95S	177.83E	145	4.4	2.5	14
540	11 04 56 09.0	33.90S	179.64W	406	5.2	3.4	12
541	12 09 18 41.2	40.14S	175.19E	33 R	4.2	1.6	15
542	12 12 16 21.7	38.40S	175.94E	211	4.4	1.7	14
543	13 05 02 59.2	38.72S	175.81E	12 R	3.1	0.7	5
544	13 06 32 06.2	38.72S	175.83E	12 R	3.3	0.3	5
545	14 10 56 51.9	38.82S	175.82E	12 R	2.8	0.1	4
546	14 11 31 09.1	34.50S	179.38W	233	5.5	1.0	14
547	14 14 45 25.5	38.81S	175.89E	12 R	3.6	0.6	7
548	17 05 34 55.8	38.74S	175.93E	12 R	3.3	0.5	5
549	17 07 57 56.1	38.78S	176.01E	12 R	3.3	0.2	4
550	17 10 45 46.2	38.77S	175.95E	12 R	3.0	0.4	6

REF NUM	ORIGIN TIME H M S	LAT DEG	LONG DEG	DEPTH KM	MAG	S E SEC	NUM OBS	NUM STN
551	NOV 17 19 25 55.8	38.84S	175.88E	12 R	3.1	0.4	7	5
552	18 05 19 39.1	31.35S	178.67W	461	5.6	2.9	14	10
553	20 20 14 51.0	38.75S	175.85E	12 R	3.0	0.4	8	7
554	20 22 48 07.1	38.81S	175.88E	12 R	3.0	0.5	7	6
555	21 21 40 59.1	38.82S	175.94E	12 R	3.6	0.5	7	7
556	23 08 08 29.1	40.32S	173.62E	209	4.0	1.1	16	11
557	23 12 36 44.3	38.75S	175.99E	12 R	3.4	0.5	5	7
558	24 00 04 01.6	38.78S	175.80E	12 R	3.4	0.3	6	6
559	24 02 54 03.0	39.00S	175.80E	12 R	2.9	R	0	5
560	24 17 51 12.4	38.47S	175.99E	191	4.1	2.2	18	11
561	30 00 41 35.4	38.84S	175.60E	134	4.3	1.2	15	10
562	30 02 18 20.4	38.26S	176.08E	196	4.3	2.0	17	11
563	30 02 19 51.7	38.35S	176.07E	166	4.4	1.4	16	11
564	30 05 19 28.5	38.80S	175.90E	12 R	3.3	0.5	5	6
565	30 06 00 26.7	37.12S	176.94E	267	4.5	0.7	15	10
566	DEC 02 15 47 08.0	43.50S	171.02E	12 R	4.0	2.7	39	13
567	02 15 54 54.5	38.30S	175.78E	217	3.8	1.0	18	12
568	03 03 43 39.1	40.85S	175.89E	12 R	4.0	1.6	26	11
569	05 20 51 54.4	38.75S	175.90E	12 R	3.7	1.3	18	10
570	06 08 39 10.2	46.14S	167.51E	12 R	3.2	0.5	6	3
571	06 17 58 11.6	40.12S	176.58E	12 R	3.7	1.5	21	11
572	07 05 26 04.9	38.83S	176.12E	12 R	2.9	1.7	16	8
573	07 08 27 09.1	38.47S	175.87E	179	5.5	1.7	27	17
574	08 00 24 01.6	38.75S	175.84E	12 R	3.2	1.8	9	7
575	08 00 25 33.0	38.81S	175.74E	12 R	3.3	3.2	18	10
576	08 03 58 16.5	40.99S	172.52E	12 R	4.2	1.4	34	12
577	08 09 55 28.6	38.77S	175.92E	12 R	3.7	2.0	17	8
578	08 09 57 45.5	38.91S	176.03E	12 R	3.4	3.0	15	8
579	08 10 42 03.8	38.82S	175.97E	12 R	3.3	2.6	14	7
580	08 18 05 22.3	37.16S	177.50E	221	6.3	0.7	23	17
581	08 21 11 36.0	40.09S	175.02E	12 R	3.7	1.9	23	10
582	09 15 39 03.1	34.26S	179.96W	332	4.5	3.0	13	11
583	10 19 09 54.1	38.10S	176.81E	12 R	3.6	2.2	17	8
584	11 01 09 54.1	39.23S	174.75E	208	4.3	1.0	20	12
585	11 06 27 07.8	39.74S	174.44E	177	4.5	1.3	23	14
586	11 06 28 11.0	42.71S	171.93E	12 R	4.0	2.0	20	10
587	11 12 13 57.8	39.27S	178.36E	12 R	3.9	2.0	19	11
588	11 20 30 27.0	38.60S	176.40E	12 R	R	R	0	2
589	11 20 31 08.0	38.60S	176.40E	12 R	2.2	R	0	4
590	11 20 31 41.0	38.60S	176.40E	12 R	2.5	R	0	2
591	11 20 33 10.0	38.60S	176.40E	12 R	R	R	0	3
592	11 20 33 34.0	38.60S	176.40E	12 R	2.5	R	0	3
593	11 22 39 48.1	33.02S	177.91W	33 R	5.4	2.6	21	17
594	12 22 54 43.0	37.09S	176.79E	358	4.7	0.9	20	13
595	15 18 11 38.4	36.80S	175.59E	12 R	3.2	1.6	18	9
596	17 15 47 18.7	45.26S	167.73E	33 R	3.8	1.6	12	6
597	18 09 19 10.1	37.26S	176.79E	301	4.7	0.7	17	12
598	19 12 33 36.2	44.37S	169.80E	12 R	3.9	1.9	14	5
599	19 13 46 53.6	38.39S	175.67E	281	4.0	0.8	18	12
600	19 21 43 17.1	38.06S	176.87E	12 R	4.6	2.3	30	15

REF NUM	ORIGIN TIME H M S	LAT DEG	LONG DEG	DEPTH KM	MAG	S E SEC	NUM OBS
65/ 601	DEC 20 05 46 54.2	39.65S	173.79E	12 R	4.1	1.3	35
602	21 05 19 24.2	38.35S	175.88E	194	4.5	1.5	24
603	21 13 27 12.7	38.10S	179.45E	33 R	4.5	2.5	34
604	21 16 41 24.8	36.55S	178.68E	288	4.5	1.3	21
605	22 11 48 35.5	40.37S	174.36E	106	4.2	1.0	26
606	22 17 20 43.9	49.29S	163.49E	33 R	4.2	4.3	6
607	22 18 01 50.1	49.81S	164.30E	33 R	4.6	3.4	12
608	23 01 20 31.6	37.74S	176.44E	215	3.9	1.1	17
609	23 01 31 26.8	38.15S	175.95E	213	3.7	1.4	16
610	23 11 11 36.5	38.91S	175.10E	238	4.6	1.2	25
611	23 17 12 51.0	38.62S	176.07E	12 R	2.7	2.9	9
612	27 13 25 18.7	38.89S	175.22E	227	4.4	1.5	22
613	29 13 03 23.9	43.87S	172.46E	12 R	3.4	1.8	20
614	30 00 58 24.1	39.17S	176.30E	101	5.0	1.8	24
615	31 06 25 01.6	33.40S	178.32W	276	5.0	2.8	15
616	31 09 07 44.5	33.77S	178.17W	313	4.6	2.2	14
617	31 09 24 40.1	35.47S	179.87W	33 R	5.0	2.2	25
618	31 16 19 51.4	34.81S	179.08W	33 R	4.0	2.0	16

STATION

READINGS

1965



STATION READINGS FOR NEW ZEALAND EARTHQUAKES

This section contains origin times, epicentres, focal depths, magnitudes, and station readings of those earthquakes in the New Zealand region that could be located from instrumental data. In general, origins are calculated for all sufficiently well-recorded earthquakes within 10° of Wellington. The calculations are carried out by an Elliott 503 digital computer using a programme developed by R.M. Hamilton, similar to that described by B.A. Bolt (Geophysical Journal: Vol. 3, pp. 433-40, 1960). A provision is made for the origin to be repeatedly adjusted to obtain the best agreement between observed arrival-times for the various phases, and times computed from tables. More precisely, the origin is adjusted to minimise the sum of the squares of the residuals (observed minus computed arrival-times).

The earthquake origins are determined using the phases Pn, P* and S* and the corresponding S phases. In computing travel times, it is assumed that the New Zealand crust is 33 km thick, and is divided into two uniform layers by a discontinuity at a depth of 12 km. Above the discontinuity the velocities of P and S are 5.5 and 3.3 km/sec respectively (Pg and Sg) and below it they are 6.3 and 3.7 km/sec (P* and S*). Travel times for Pn and Sn waves, which travel in the mantle, are derived from the Jeffreys-Bullen "Seismological Tables" (British Assn. for the Advancement of Science, 1958) but modified by multiplying the times by 0.96. Several studies have shown that times in the table are too great to fit New Zealand observations. The result of applying this correction is to raise the adopted Pn velocity from about 7.8 to 8.1 km/sec, and the Sn velocity from about 4.4 to 4.6 km/sec. These values are close to those reported.

In general, all four parameters of the earthquake origin are calculated (origin time, latitude, longitude, and focal depth). In some cases however, the focal depth is not allowed to vary, but is restricted to a certain depth. The restrictions are as follows:

- (1) Depth is restricted to 12 km if Pg or Sg phases are identified.
- (2) Depth is restricted to 33 km if:
 - (a) P* or S* phases, but not Pg or Sg, are identified,
 - (b) the number of readings is insufficient to determine depth,
 - (c) the computer indicates that the depth is less than 33 km,
 - (d) a solution is not obtained with the depth unrestricted.

Parameters that have been restricted are identified by the letter R appearing in the place where the standard error is usually printed.

Solutions are attempted whenever sufficient readings are available. The minimum requirement to determine an epicentre is a total of three readings at two stations, plus a felt report to resolve the ambiguity.

In using the results in this section, it is essential to keep in mind that the position of earthquakes whose epicentres lie outside the network of seismograph stations can be very uncertain, even though the readings may be consistent with the computed origin (i.e., the residuals are small.) Because of the presence of systematic errors, the true origin could be very different from the one calculated. Great care should therefore be taken not to attach significance to an epicentre in an unusual place or a focal depth at an unusual depth if the recording stations used are not well distributed about the epicentre.

EXPLANATION OF DATA

The first line printed for each earthquake gives the reference number, used throughout the Report. The second line gives the parameters of its origin, the standard error of the residuals, and the average of the magnitude determinations.

The standard error is derived from the equation

$$SE = \sqrt{\frac{\sum_{i=1}^n r_i^2}{n-m}}$$

where r_i is the i^{th} residual, n the number of readings, and m the number of parameters determined. Below each parameter of the origin, its standard error is printed, or if the parameter was restricted to a particular value, the letter R. When the number of readings and the number of parameters to be determined is the same, the standard error is not defined. This is indicated by printing ND.

The information listed for each station includes the arrival times of the various phases, the directions of ground motion, the residuals, the epicentral distance in degrees ($1^\circ = 111$ km), the azimuth of the station from the epicentre, in degrees east of north, and magnitudes computed as described below. The directions of ground motion are indicated by the following letters: U - up, D - down, N - north, S - south, E - east, W - west. When the instruments are not oriented towards cardinal points, the letters are X for a movement in the northeast and F in the southwest quadrant (as at BUN and KAI), Y for one in the northwest and J in the southwest quadrant (as at BUN and TON).

Magnitudes are M_L as defined by C.F. Richter (Bull. Seismol. Soc. America: Vol. 25, pp. 1-32, 1935) obtained either from the maximum amplitude of the S-group as recorded on a Wood-Anderson seismograph adjusted to standard constants (W-A), or by using equivalent relationships for the maximum P and S amplitudes recorded on a vertical Willmore seismograph (WP or WS). These relationships were empirically derived by A.A. Thomson from a comparison between records of the same earthquakes on the two types of seismograph.

Residuals are listed for all readings used in calculating the origin. An asterisk following the residual indicates that the corresponding reading was not used in the final determination. A reading is omitted from the determination if the absolute value of its residual exceeds twice the standard error, and the residual is not used when the final standard error is calculated. This provision for discarding readings is made to guard against the inclusion of spurious or wrongly identified ones.

Although the main readings from Raoul Island are contained in a later section, readings from this station have been used in the determination of the origins of some earthquakes. In these cases the Raoul Island readings will be found also in the following section. In a small number of cases readings from the station at Macquarie Island (MCQ), operated by the Australian Commonwealth Bureau of Mineral Resources, have also been used, and are listed with the New Zealand readings.

		H	M	S			12 KM	SE	1,3	AVG MAG		65/ 00
JAN 01		01	24	36,3	38,70S	175,87E	R					3,9
				+/- 0,3	0,02	0,02						
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S	
WNZ	EPG	01	24	40,0		-0,8	0,19	71				
	E			42								
	ESG			44		0,2						
	E			45								
CNZ	IP*	01	24	45,1	D	-1,9	0,56	206		3,7	3,7	
	ES*			53		-1,9						
KRP	P*	01	24	50,5	U	-0,8	0,81	341		4,1	4,0	
	E			54								
	ESG			25 05		1,0						
TUA	EP*	01	24	54,5		-0,2	1,01	97		3,9	3,7	
	EPG			57		0,2						
	E			25 06								
	ES*			10		1,7						
TNZ	EP*	01	24	58,5	U	-0,5	1,26	247		4,2	4,1	
	EPG			25 01		-0,9						
	S*			16,5		0,6						
GNZ	E(PG)	01	25	11		0,5	1,69	89		3,9	3,7	
	E			19								
	ESG			32		-1,3						
	E			44								
WEL	EP*	01	25	24		-0,0	2,72	198		3,5		
	E			36								
	ES*			24 02		2,2						
COB	EP*	01	25	31,5			3,40	224				
	E			36		0,5						
	ES			26 09		1,6						
	E			14								
	E			25								

		H	M	S			12 KM	SE	2,0	AVG MAG		65/ 00
JAN 01		04	52	59,1	38,68S	175,88E	R					4,0
				+/- 0,5	0,03	0,03						
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S	
CNZ	IPG	04	53	08,9	D	-2,1	0,58	206		4,0	4,0	
	ESG			16		-3,0						
KRP	IP*	04	53	14,6	U	0,8	0,80	340		4,3	4,4	
	ESG			28		1,7						
TUA	EP*	04	53	18		0,7	1,00	98		4,2	4,1	
	EPG			20		0,5						
	ES*			33		2,1						
TNZ	IP*	04	53	22,0	U	0,0	1,27	246		4,4	4,3	
	EPG			24,5		-0,4						
	ES*			40		1,0						
	ESG			45		2,8						
GNZ	E(PG)	04	53	33,8	U	0,7	1,68	89		4,2	4,0	
	ESG			54		-1,8						
	E			54 07								
WEL	EP*	04	53	47		-0,1	2,74	198		3,3		
	EPG			56		1,5						
	ES*			54 23		-0,1						
ONE	E(PG)	04	54	03		0,4	3,14	337		3,6		
	ESN			19		-5,0						
	ESG			53		8,0*						
COB	E	04	53	54,5			3,41	224		3,6		
	EP*			59		0,4						
	E			54 14								
	ES*			35		-8,3*						

		H	M	S			12 KM	SE	2,6	AVG MAG		65/ 00
JAN 01		04	54	19,7	38,70S	175,89E	R					4,1
				+/- 0,6	0,04	0,03						

LOCAL EARTHQUAKES

		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S	
WNZ	EPG	04	54	24		-0,0	0,18	68				
	E			27								
	ESG			28		1,1						
CNZ	P*	04	54	29,5		-1,0	0,56	208		3,9	3,9	
	E			32								
	ES*			37		-1,3						
KRP	P*	04	54	35,0		0,1	0,82	340		4,1	4,2	
	ES*			44		-2,1						
	ESG			49		1,3						
TUA	P*	04	54	38,9		1,1	0,99	97		4,3	4,4	
	EPG			41,5		1,5						
	ES*			54		2,7						
TNZ	EP*	04	54	43,5		0,9	1,27	247		4,4	4,2	
	ES*			55 02		2,4						
	ESG			05		2,3						
GNZ	E(PG)	04	54	53		-0,6	1,67	89		4,3	4,0	
	E			56								
	ESG			55 12		-4,2						
	E			26								
WEL	EP*	04	55	08		0,6	2,72	198		3,6		
	S*			47		3,8						
ONE	ESG	04	56	15		8,6*	3,16	337		3,6		
COB	E(P*)	04	55	16		-3,0	3,40	225		3,6		
	E			26								
	ES*			58		-5,6						
	E			56 09								
KAI	E	04	56	47			5,12	220		4,2		

		H	M	S			12 KM	SE	2,3	AVG MAG		65/ 004
AN 01		09	30	30,5	38,64S	175,85E	R					4,1
				+/- 0,5	0,04	0,03						
		H <th>M</th> <th>S</th> <th>DIR</th> <th>RES</th> <th>DIST</th> <th>AZ</th> <th>W-A</th> <th>W P</th> <th>W S</th> <th></th>	M	S	DIR	RES	DIST	AZ	W-A	W P	W S	
WNZ	EPG	09	30	34,2		-0,8	0,20	89				
	ESG			38,5		0,5						
KRP	P*	09	30	45,0	U	0,6	0,75	341		4,3	4,3	
	E			48								
	ESG			59		2,9						
TUA	EP*	09	30	49		-0,2	1,03	100		4,3	4,2	
	EPG			52		0,6						
	ES*			31 05		1,9						
	ESG			09		3,6						
TNZ	IP*	09	30	53,4	U	0,1	1,27	244		4,4	4,2	
	EPG			56		-0,3						
	ES*			31 11,5		1,2						
	ESG			16		2,5						
GNZ	E(PG)	09	31	02		-2,9	1,70	91		4,3	4,0	
	E			05								
	ESG			26		-1,9						
	E			39								
WEL	EP*	09	31	18		-1,0	2,77	197		3,7		
	E			30								
	ES*			56		0,5						
	E			32 11								
ONE	E(PG)	09	31	34		1,0	3,09	337		3,5		
	ESN			50		-4,2						
	E			32 30								
COB	E(P*)	09	31	26		-4,2	3,43	223		3,6		
	ES*			32 06		-9,1*						
	E			32 22								
KAI	E	09	32	22			5,15	220		4,2		
	E			33 05								

		H	M	S			12 KM	SE	2,2	AVG MAG		65/ 005
AN 01		16	35	43,1	41,07S	174,74E	R					3,6
				+/- 0,6	0,03	0,05						

		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
WEL	IPG	16	35	49,5	DNW	1.5	0,22	175	3,1		
	ESG			54		2,7					
COB	EP	16	36	09		-0,6	1,52	269	3,8		
	ES			29		-0,3					
TNZ	EP	16	36	14,5		-0,2	1,90	352		3,7	3,1
	EP*			20		3,3					
	ES			38		0,1					
	ES*			42		0,1					
	ESG			51		3,8					
CNZ	EP	16	36	15,1	U	-0,4	1,97	19		3,7	4,1
	ES			41		1,5					
	ES*			44		0,1					
KAI	E	16	36	39			2,88	239	3,4		
	ES*			37		-3,5					
TUA	EP*	16	36	35		0,8	2,92	40		3,6	3,1
	ES*			37		5,4*					
GPZ	ES	16	37	05		-0,8	3,05	210	3,2		
KRP	E(P)	16	36	33		0,6	3,20	11			
	EP*			37		-2,0					
	E			58							
	E			37							
	ES*			18		-2,9					
	ES*	16	37	26		-3,9	3,50	47			
<p>H M S 65/</p> <p>JAN 01 21 07 53,3 35,69S 178,72W 185 KM SE 1,0 AVG MAG 4,1</p> <p>± 1,0 0,06 0,08 11</p>											
GNZ	EP	21	08	53,2		-1,2	3,93	220		4,8	4,1
	E			09							
	ES			41		-0,6					
	E			45							
TUA	EP	21	09	02		-0,1	4,53	225		4,8	4,1
	E			47							
	ES			56		0,8					
	E			58							
KRP	EP	21	09	08		-1,6	5,12	242		4,3	4,1
	E			10,5							
	ES			10		0,2					
	E			15							
	E			29							
ONE	E(P)	21	09	16		-0,2	5,62	267	4,6		
	E			19							
	E			32							
	E			56							
CNZ	EP	21	09	19		1,1	5,75	231		4,0	4,1
	ES			10		-0,6					
TON	E(P)	21	09	20		2,0	5,76	231	4,7		
	E			47							
	ES			10		0,3					
TNZ	EP?	21	09	21		-6,8*	6,50	235			
	E			31							
WEL	EP	21	09	42		0,2	7,57	220	5,4		
	ES			11		0,6					
COB	E	21	10	19			8,60	229	5,1		
	ES			11		0,3					
KAI	ES	21	12	09		-0,5	10,26	225	5,3		
GPZ	E	21	12	10			10,40	217	5,6		
	ES			12		-0,7					
<p>H M S 65/</p> <p>JAN 02 12 21 32,6 38,67S 175,66E 12 KM SE 1,9 AVG MAG 4,1</p> <p>± 0,4 0,03 0,03 R</p>											

		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
WNZ	PG	12	21	39,7	U	-0,3	0,35	84			
	E			42							
	ESG			44		-1,0					
KRP	IP	12	21	50,8	U	1,6	0,75	353		4,5	4,4
	ESN			58,5		-2,8					
	E			43,5							
	EP*			46,5		-0,0					
TUA	p*	12	21	55,4		1,6	1,17	97		4,5	4,4
	EPG			57		0,5					
	E			58							
	ES*			22		0,4					
GNZ	EP*	12	22	06,5		1,1	1,85	90		4,4	4,1
	EPG			10		-0,1					
	E			21							
	E			44							
WEL	EPG	12	22	25		-2,3	2,70	194	3,7		
	E			33							
	ESG			23		-1,8					
ONE	EP*	12	22	32		5,8*	3,07	340	3,5		
	EPG			37		2,3					
	ES			55		-0,8					
	E			23							
COB	EP*	12	22	31		0,8	3,30	222			
	EPG			36		-3,4					
	E			51							
	E			23							
	ES*			13,5		-0,0					
	ESG			25		1,0					
KAI	EPG	12	23	12		-2,4	5,03	219	4,2		
	ESG			24		3,8					
GPZ	EPG	12	23	26		1,9	5,51	203			
	E			24							
FORESHOCK											
<p>H M S 65/ 008</p> <p>02 14 45 13,6 38,66S 175,84E 12 KM SE 1,0 AVG MAG 4,2</p> <p>± 0,2 0,01 0,01 R</p>											
WNZ	PG	14	45	17,6	U	-0,8	0,21	82			
	E			19,5							
	ESG			21		-0,5					
KRP	IP*	14	45	28,5	U	0,7	0,77	342		4,6	4,5
	ES*			40,5		2,1					
TUA	EP*	14	45	32,8	D	0,4	1,04	99			
	EPG			34		-0,7					
	E			36							
	E			36							
	ESG			49		0,2					
TNZ	EP*	14	45	36,8		0,7	1,25	245		4,4	4,3
	EPG			39,5		0,5					
	ESG			55,5		-0,4					
GNZ	EP*	14	45	45		1,1	1,71	90		4,5	4,2
	EPG			48		-0,3					
	E			58							
	E			46							
	E			25,5							
WEL	EP*	14	46	03		1,3	2,75	197	3,8		
	EPG			08		-1,2					
	ES*			38		0,2					
	E			41							
	EL			56							
ONE	EP*	14	46	11,5		3,6*	3,11	337	3,8		
	EPG			15		-1,5					
	ESG			57		-1,4					
COB	E	14	46	10			3,40	224	3,9		
	EP*			13		0,1					

		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
GPZ	E	17	35	19			5.53	206	4.0		
	ES+		36	08		-1.3					
AFTERSHOCK											
JAN 02	H M S	23	34	24.2						65/ 012	
	±			1.0						4.0	
	H M S	40.68S	176.79E		12 KM						
	±	0.05	0.05		R						
WEL	EP	23	34	52.5			1.65	248	3.7		
	ES		35	11		-2.3					
	ES+			16		0.5					
	ESG			24		4.1					
TON	E(P)	23	34	55		-0.6	1.76	326	3.8		
	EPG		35	05		2.5	1.89	8		4.1	4.1
	ES			17		-1.8					
	E			36							
GNZ	EP	23	35	02		1.6	2.24	25		3.7	4.1
	EPG			10		0.4					
	E			19							
	ES			25		-2.3					
	ES+			34		0.7					
TNZ	E(PN)	23	35	02		-0.3	2.38	308		4.2	4.0
	EP+			08		2.0					
	ESN			31		0.4					
KRP	EP	23	35	07		-2.8	2.92	340		4.2	3.8
	EP+			16		0.7					
	EPG			27		3.7					
	ES+			53		-0.6					
	ESG			36		-1.6					
COB	EP+	23	35	21		2.6	3.10	261	4.0		
	ES			46		-2.2					
	ES+			57		-2.2					
GPZ	ES	23	36	15		-2.4	4.31	224	4.2		
KAI	E	23	36	17			4.44	244	4.0		
FELT DANNEVIRKE AND WAIRERE MMIV											
JAN 04	H M S	17	12	35.5						65/ 011	
	±			0.5						3.6	
	H M S	41.70S	172.56E		12 KM						
	±	0.04	0.06		R						
COB	EPG	17	12	48		-0.3	0.62	12	3.3		
	EP			49		-1.5					
	ES+			56		0.1					
	SG			57		0.2					
KAI	EP	17	12	56		-1.7	1.19	226	3.5		
	EPG			13		1.4					
	ES			11		-3.0					
GPZ	E(P+)	17	13	12		1.3	2.00	178	3.3		
	ES			32		-0.5					
TNZ	EP+	17	13	27		1.3	2.87	30		3.5	3.6
	EPG			36		2.5					
	E			44							
	ES+			14		-0.4					
	ESG			13		0.8					
TON	EPG	17	13	41		-2.8	3.38	43	4.0		
	E			14							
	ESG			29		-0.3					
CNZ	EP+	17	13	35.5		1.1	3.38	43		3.7	3.9
	EPG			41.5		-2.4					
	ES			14		3.8					
	ISG			27.5		-2.0					
MNH	ES	17	14	58		2.5	5.43	220			3.4
FELT MANGLES VALLEY MM IV											
JAN 06	H M S	09	51	59.0						65/ 011	
	±			0.7						4.2	
	H M S	38.94S	175.78E		120 KM						
	±	0.05	0.06		R						
	H M S	19	48	31.8						65/ 015	
	±			0.5						4.2	
	H M S	38.77S	175.88E		12 KM						
	±	0.03	0.03		R						
WNZ	EPG	19	48	35.6		-1.2	0.22	50			
	E			38							
	ESG			40		-0.1					
CNZ	IPG	19	48	40.9		-1.2	0.50	212			
	ESG			48		-1.0					
TON	EPG	19	48	41		-1.2	0.51	212		3.2	
	E			44							
	ESG			48		-1.2					
KRP	IP+	19	48	46.4		-1.7	0.89	342		4.5	4.5
	ES+			58.5		-1.7					
TUA	P+	19	48	50.8		1.0	0.99	92		4.5	4.4
	EPG			52		0.1					
	ES+			49		2.8					
TNZ	EP+	19	48	54.5		0.4	1.24	250		4.2	4.1
	EPG			57		0.0					
	ES+			49		1.7					
GNZ	E(PG)	19	49	04		-1.8	1.68	86		4.4	
	E			08							
ECZ	E	19	49	24			2.36	64		4.3	

		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
GNZ	EP	14	46	49		0.1	5.02	204		4.2	
TUA	EP	14	46	55		-0.2	5.48	209		4.5	
KRP	EP	14	46	57		0.0	5.62	225		4.1	
WEL	ES	14	49	09		0.0	8.56	211			
65/ 038											
JAN 08		15	20	20.4			34.37S	179.76E	33 KM	SE	0.3
							0.04	0.06			AVG MAG 4.6
GNZ	EP	15	21	25		-0.2	4.49	198		4.4	
TUA	EP	15	21	31		0.2	4.90	205		4.5	
KRP	EP	15	21	31		-0.1	4.93	223		4.0	
WEL	ES	15	23	38		-0.0	7.95	208			
65/ 039											
JAN 08		15	41	56.1			34.02S	179.53W	33 KM	SE	1.6
							0.25	0.38			AVG MAG 4.6
GNZ	EP	15	43	09		0.9	5.02	202		4.5	
TUA	P	15	43	13		-1.2	5.48	208		4.8	
KRP	EP	15	43	16		0.3	5.59	224		4.1	
WEL	ES	15	45	28		0.0	8.55	210			
65/ 040											
JAN 08		16	07	47.5			38.85S	175.85E	12 KM	SE	2.7
							0.03	0.03			AVG MAG 4.3
WNZ	IPG	16	07	52.8	U	-1.1	0.30	41			
	SG			57		-1.1					
TON	EPG	16	07	58		1.6	0.43	215	3.6		
	E			08 00							
	ESG			05.5		3.1					
KRP	IP*	16	08	04.2	D	-0.9	0.96	345	4.6	4.6	
	ES*			17		-1.1					
TUA	IP*	16	08	07.6	U	1.6	1.01	88	4.7	4.7	
	EPG			09		0.8					
	ES			22.5		0.5					
	E			31							
TNZ	EP*	16	08	11.7		2.6	1.20	253	4.9	4.9	
	EPG			15		3.2					
	ESG			32		4.0					
	E			35							
GNZ	EP*	16	08	19		1.1	1.71	84	4.9	4.9	
	EPG			22		-0.2					
	E			25							
	E			53							
ECZ	EP*	16	08	30		0.1	2.41	62	4.6	4.6	
	EPG			38		1.6					
WEL	EP*	16	08	32		-0.6	2.57	199	3.9	5.0	4.4
	E			35							
	EPG			39		-0.5					
	E			44							
	ESG			09 14		-0.2					
	E			26							
COB	EP*	16	08	43		-1.7	3.27	226	3.8		
	EPG			50		-3.8					
	ES*			09 24		-3.6					
ONE	E(PG)	16	08	54		-0.2	3.29	338	4.0		
	E			09 34							
	E			48							
KAI	EP*	16	09	12		-2.0	4.99	221	4.3		
	EPG			25		-3.4					
	E			10 10							
MNW	EP	16	10	08		10.7*	9.22	219			
	E			12							
	E			21							

		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
JAN 08		16	23	49.4			34.09S	179.76E	33 KM	SE	0.3
							0.04	0.07			AVG MAG 4.6
GNZ	EP	16	24	58		0.2	4.76	197		4.5	
KRP	EP	16	25	03		0.1	5.14	221		4.3	
TUA	EP	16	25	03		-0.2	5.16	203		4.9	
WEL	ES	16	27	13		0.0	8.20	207			
65/ 039											
JAN 08		16	45	18.8			38.73S	175.87E	12 KM	SE	1.8
							0.03	0.03			AVG MAG 3.9
WNZ	PG	16	45	23.2	U	-0.4	0.21	61			
	ESG			27		0.3					
TON	EPG	16	45	28		-1.9	0.54	209	3.1		
	EP			32		-0.8					
	ESG			35.5		-1.7					
KRP	P*	16	45	34.4	D	0.0	0.85	342		4.1	4.1
	E			43							
	E			47							
	ES			48.5		-1.1					
TUA	P*	16	45	38.0		0.9	1.00	95		4.0	4.2
	EPG			39		-0.2					
	ES*			53		2.4					
	E			46 01							
TNZ	EP*	16	45	42		0.8	1.25	248		4.1	3.7
	EPG			46		1.9					
	ESG			46 03		2.0					
GNZ	E(PG)	16	45	51		-2.0	1.69	88		4.2	3.9
	E			55							
	E			46 23							
WEL	EP*	16	46	08		2.1	2.69	198	3.5	4.5	4.0
	EPG			11		-2.2					
	E			36							
	ES*			41		-0.2					
	ESG			51		1.6					
COB	EP*	16	46	15		-2.5	3.37	225	3.5		
	ESN			52		2.8					
	ES*			47 00		-1.7					
65/ 040											
JAN 08		17	11	38.6			34.13S	179.94E	33 KM	SE	0.3
							0.04	0.06			AVG MAG 4.3
GNZ	EP	17	12	47		-0.2	4.76	198		4.5	
TUA	EP	17	12	53		0.2	5.18	205		4.4	
KRP	EP	17	12	53		-0.1	5.20	222		4.0	
WEL	ES	17	15	03		-0.0	8.24	208			
65/ 041											
JAN 08		18	01	28.2			34.55S	179.46E	33 KM	SE	1.6
							0.07	0.08			AVG MAG 4.6
ECZ	EP	18	02	17		1.3	3.22	193		5.0	
	ET			05 41							
GNZ	EP	18	02	27		-2.7	4.25	195		4.6	
	E			56							
ONE	ES	18	03	19		-0.3	4.35	252	4.4		
KRP	EP	18	02	34		-0.8	4.62	222		4.3	
TUA	EP	18	02	35		0.0	4.64	203		4.6	4.3
	E			03 36							
TON	E	18	02	58			5.61	213			
RAO	EP	18	02	50		0.3	5.73	24		4.6	
TNZ	EP	18	02	57		1.4	6.16	220			
WEL	ES	18	04	40		0.8	7.68	207		4.8	

H M S		34.39S 179.88E		33 KM SE 1.2		AVG MAG 4.7		65/047	
+- 2.0		0.14 0.18		R					
	H M S	DIR	RES	DIST	AZ	W-A	W P	W S	
JAN 08	18 02 48.0								
ECZ	EP	18 03 40	1.2	3.47	198		5.3		
	ET	06 58							
GNZ	EP	18 03 52	-0.9	4.50	199		4.7		
	EP*	04 07	0.8						
ONE	E	18 04 42		4.73	251		4.4		
TUA	EP	18 03 57	-1.6	4.92	206		4.7		
	E	59							
KRP	EP	18 04 00	0.7	4.98	224		4.3		
TON	E	18 04 16		5.93	215		4.6		
	E	05 59							
TNZ	E(P)	18 04 20	0.0	6.51	221				
WEL	ES	18 06 06	-0.2	7.98	209		4.8		
H M S		34.29S 179.70W		33 KM SE 0.6		AVG MAG 4.4		65/048	
+- 1.1		0.09 0.14		R					
	H M S	DIR	RES	DIST	AZ	W-A	W P	W S	
JAN 08	18 40 48.5								
GNZ	EP	18 41 56	-0.4	4.72	202		4.5		
TUA	EP	18 42 03	0.5	5.17	208		4.6		
KRP	EP	18 42 04	-0.1	5.29	225		4.1		
WEL	ES	18 44 13	-0.0	8.24	210				
H M S		33.56S 179.73W		33 KM SE 1.0		AVG MAG 4.3		65/049	
+- 1.8		0.16 0.24		R					
	H M S	DIR	RES	DIST	AZ	W-A	W P	W S	
JAN 08	18 54 22.6								
GNZ	EP	18 55 39	-0.6	5.39	199		4.2		
KRP	EP	18 55 45	-0.2	5.81	220		4.0		
TUA	E(P)	18 55 46	0.8	5.81	205		4.5		
WEL	ES	18 58 02	-0.0	8.86	208				
H M S		34.00S 180.00W		33 KM SE WD		AVG MAG 4.3		65/050	
R		R		R					
	H M S	DIR	RES	DIST	AZ	W-A	W P	W S	
JAN 08	19 25 32.0								
GNZ	EP	19 26 42	-0.4*	4.90	198		4.5		
TUA	EP	19 26 46	-2.0*	5.32	205		4.4		
KRP	EP	19 26 46	-2.2*	5.33	221		4.0		
H M S		34.03S 179.56E		33 KM SE 2.8		AVG MAG 4.7		65/051	
+- 1.4		0.18 0.30		R					
	H M S	DIR	RES	DIST	AZ	W-A	W P	W S	
JAN 08	20 24 55.4								
ECZ	EP?	20 25 50	-0.1	3.75	192		5.3	4.9	
	E	52							
	E	26 56							
	ET	29 42							
	E	42							
GNZ	EP	20 26 02	-2.0	4.77	195		4.8	4.6	
	E	25							
	E	27 10							
KRP	EP	20 26 09	0.9	5.07	219		4.4	4.1	
	E	17							
	ES*	27 28	-1.7						
TUA	EP	20 26 08	-1.1	5.15	201		4.7		
RAO	E(P*)	20 26 26	-0.1	5.23	25		4.6		
TON	E	20 26 35		6.09	211		4.1		
	E	57							
TNZ	E	20 26 34		6.62	217				
WEL	ES	20 28 21	2.6	8.18	206		5.2		
	ES*	29 00	-3.0						
GPZ	ES	20 29 31	4.6	11.05	207		4.9		

E		42		USCGS EPICENTRE 20 24 56		33.8S 179.3E 33KM		65/047	
+- 3.9		0.30 0.25		R					
	H M S	DIR	RES	DIST	AZ	W-A	W P	W S	
JAN 08	21 11 45.3								
ECZ	EP	21 12 01	1.1	0.83	150		4.3	3.9	
	E	13 06							
	ET	15 36							
GNZ	EP	21 12 09	-2.3	1.66	180		4.0		
TUA	E(P)	21 12 15	-0.3	1.95	200		4.0		
KRP	E(P)	21 12 21	2.5	2.19	244		3.7		
TON	E	21 12 59		2.96	221		3.8		
	E	14 07							
ONE	ES	21 13 07	-0.9	3.18	291		4.1		
TNZ	E	21 12 46		3.62	231		3.6		
H M S		34.39S 179.38E		33 KM SE 2.6		AVG MAG 4.8		65/048	
+- 1.5		0.11 0.21		R					
	H M S	DIR	RES	DIST	AZ	W-A	W P	W S	
JAN 08	23 16 29.5								
ECZ	EP?	23 17 16	-2.9	3.36	191		5.3	4.8	
	E	20							
	ES*	18 13	0.5						
	E	28							
	ET	20 40							
ONE	E	23 18 25		4.34	250		4.3		
	EL	19 48							
GNZ	EP	23 17 33	0.2	4.38	194		4.9		
	EP*	47	1.3						
KRP	EP	23 17 39	1.9	4.70	220		4.7		
	EP*	49	-2.2						
TUA	EP	23 17 39	1.1	4.76	201		5.0		
RAO	E(P)	23 17 48	-1.4	5.62	25		4.7		
TON	E	23 18 03		5.71	212		4.5		
	E	19 15							
	ES*	20	-2.7						
TNZ	E(P)	23 18 02	4.1	6.24	219				
WEL	E	23 20 15		7.79	207		5.3		
	EL	21 00							
ROX	EL	23 26 00		13.48	212				
USCGS EPICENTRE 23 16 20.4 34.2S 179.8E 20KM									
H M S		34.25S 179.95W		33 KM SE 0.8		AVG MAG 4.5		65/049	
+- 1.5		0.12 0.19		R					
	H M S	DIR	RES	DIST	AZ	W-A	W P	W S	
JAN 09	00 49 09.1								
GNZ	P	00 50 16	-0.5	4.68	200		4.5		
TUA	P	00 50 23	0.7	5.11	206		4.8		
KRP	EP	00 50 23	-0.2	5.18	224		4.2		
WEL	ES	00 52 32	-0.0	8.17	209				
H M S		34.01S 179.84W		33 KM SE 1.6		AVG MAG 4.4		65/050	
+- 2.9		0.25 0.38		R					
	H M S	DIR	RES	DIST	AZ	W-A	W P	W S	
JAN 09	00 51 57.1								
GNZ	EP	00 53 07	-0.9	4.93	200		4.4		
TUA	EP	00 53 15	1.3	5.37	206		4.4		
KRP	EP	00 53 14	-0.3	5.41	223		4.2		
WEL	ES	00 55 26	-0.0	8.43	209				
H M S		36.96S 178.04E		33 KM SE 1.7		AVG MAG 4.0		65/051	
+- 4.1		0.32 0.13		R					
	H M S	DIR	RES	DIST	AZ	W-A	W P	W S	
JAN 09	01 40 29.5								

		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
ECZ	EP	01	40	44		-0.2	0.84	151		4.3	3.1
	E		41	38							
	E			50							
GNZ	EP	01	40	55		-0.8	1.68	181		4.1	
	E		41	09							
TUA	EP	01	41	02		2.1	1.98	201		4.1	
KRP	EP	01	41	03		-0.1	2.21	243		3.9	
	E		42	23							
TON	EP*	01	41	21		-0.9	2.99	221		3.7	
	E		42	56							
TNZ	E	01	41	29			3.65	231		3.9	
WEL	EL	01	44	00			5.02	209			
ROX	EL	01	48	00			10.74	215			
H M S JAN 09 01 42 43.4 34.31S 179.48W 33 KM SE 2.1 AVG MAG 4.1 65/											
+- 1.1 0.13 0.26 R											
ECZ	EP	01	43	42		4.1	3.74	205		5.4	5.1
	ES*		44	36		-1.5					
	ET		47	09							
GNZ	EP?	01	43	52		-0.0	4.77	204		5.1	
	E			54							
	EP*		44	03		-3.3					
RAO	EP	01	43	57		-1.0	5.22	15		4.8	4.1
	EP*		44	14		0.0					
	E		45	01							
TUA	P	01	44	00		1.6	5.24	210		5.2	
ONE	E	01	44	01			5.26	252		4.5	
	ES			46		-10.5*					
	EL			46							
KRP	EP	01	44	00		-0.6	5.41	227		4.7	
	E		45	17							
TON	EP*	01	44	31		-1.7	6.31	218		4.9	
	E			21							
	E			45							
TNZ	E(P)	01	44	22		0.9	6.93	224			
	E			27							
WEL	ES	01	46	11		1.2	8.32	211		5.2	
	E			48							
	EL			47							
COB	ES	01	46	30		0.3	9.15	220		4.9	
ROX	EL	01	51	00			14.07	214			
USCGS	EPICENTRE	01	42	44			34.2S 179.5W	33KM			
H M S JAN 09 04 28 52.0 34.07S 179.52E 33 KM SE 1.7 AVG MAG 4.1 65/											
+- 0.9 0.05 0.08 R											
ECZ	EP	04	29	45		-1.0	3.70	192		5.4	5.1
	E			50							
	ES*		30	48		2.9					
	EL		33	30							
ONE	EP*	04	30	11		-0.4	4.57	247		4.7	
	ES			49		0.7					
	EL			32							
GNZ	EP	04	29	57		-2.9	4.72	194		4.9	
	E		30	03							
KRP	EP	04	30	04		0.0	5.02	219		4.7	4.1
	EP*			20		0.8					
	ES*			31		-0.7					
TUA	EP	04	30	03		-2.0	5.10	201		5.1	
RAO	EP*	04	30	25		1.4	5.28	25		4.8	
	E			11							
	E			31							
TON	E	04	30	27			6.04	211		5.0	

		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
TNZ	E		31	45							
	E(P)	04	30	26		1.1	6.57	217			
WEL	ES	04	32	14		0.2	8.13	206		5.2	
	E			42							
	EL			33							
COB	EP	04	31	02		6.8*	8.83	216		4.8	
	E		32	39							
ROX	EL	04	37	00				13.82		211	
USCGS	EPICENTRE	04	28	56			34.2S 179.9E	74KM			
H M S JAN 09 05 36 54.0 34.00S 180.00W 33 KM SE ND AVG MAG 4.5 65/ 054											
P R											
ECZ	EP	05	37	49		-1.3*	3.87	197		4.8	4.4
	E		38	46							
	ET		41	14							
GNZ	EP	05	38	01		-3.4*	4.90	198		4.6	
	E			09							
TUA	EP	05	38	08		-2.0*	5.32	205		4.7	
KRP	EP	05	38	08		-2.2*	5.33	221		4.3	
	E			20							
TON	E	05	38	34			6.31	213		4.2	
	E			39							
TNZ	EP	05	38	31		0.0*	6.87	220			
H M S JAN 09 07 57 08.8 36.41S 178.39E 33 KM SE 1.2 AVG MAG 4.0 65/ 055											
+- 4.0 0.29 0.25 R											
ECZ	EP	07	57	30		0.3	1.28	174		4.3	4.2
	E			58							
	E			35							
	ET		08	00							
GNZ	EP	07	57	42		-0.9	2.25	187		4.2	
TUA	EP	07	57	48		0.5	2.58	202		4.3	
KRP	EP	07	57	49		-0.5	2.73	236		3.7	3.5
	E			59							
TNZ	E	07	58	16			4.21	228		4.0	
WEL	EL	08	01	00			5.63	209			
RAO	E	07	58	03			7.79	25			
	E			59							
ROX	EL	08	05	00			11.35	214			
H M S JAN 09 08 29 28.0 34.49S 179.43E 33 KM SE 0.9 AVG MAG 4.4 65/ 056											
+- 5.4 0.38 0.11 R											
ECZ	EP	08	30	17		0.7	3.28	192		4.9	
	E			31							
	ET			33							
GNZ	EP	08	30	29		-1.2	4.30	195		4.7	
ONE	ES	08	31	19		-0.0	4.35	251		4.0	
KRP	EP	08	30	35		-0.0	4.65	221		4.4	3.7
	EP*			49		0.0					
	E			31							
TUA	EP	08	30	36		0.5	4.69	202		4.6	
RAO	E	08	30	34			5.69	24		4.5	
TNZ	E	08	31	01			6.20	219			
WEL	EL	08	34	00			7.72	207			
ROX	EL	08	38	00			13.42	212			
H M S JAN 09 10 40 26.3 36.20S 178.46E 33 KM SE 2.3 AVG MAG 3.8 65/ 057											
+- 8.8 0.60 0.42 R											

JAN 09		H M S	34.16S	179.74W	33 KM	SE 1.3	AVG MAG	65/070
		20 25 49.5	0.20	0.30	R		4.2	
		+- 2.4						
		H M S	DIR	RES	DIST	AZ	W-A	W P W S
GNZ	EP	20 26 59		0.1	4.83	201		4.4
TUA	EP	20 27 05		0.1	5.27	207		4.4
KRP	EP	20 27 07		0.9	5.36	224		4.0
CNZ	EP*	20 27 37		-1.6	6.30	216		
WEL	ES	20 29 17		0.6	8.34	210		
JAN 09		H M S	38.76S	175.81E	12 KM	SE 2.2	AVG MAG	65/071
		22 26 03.7	0.04	0.04	R		4.1	
		+- 0.7						
		H M S	DIR	RES	DIST	AZ	W-A	W P W S
CNZ	P*	22 26 13		-0.0	0.49	205		
	ES*	20		0.1				4.6
KRP	EP*	22 26 19		-0.4	0.86	346		4.5
	ESG	32		-0.8				4.5
TUA	P*	22 26 23.0	U	0.3	1.05	93		4.2
	S*	38		1.1				4.2
TNZ	EP*	22 26 26.5	U	1.4	1.19	248		3.9
	ES*	45		3.9				4.2
GNZ	EPG	22 26 34.3	U	-0.5	1.74	87		4.2
	E	27 13						
ONE	E	22 27 58			3.19	338	3.8	
CUB	EP*	22 26 58		-3.5	3.32	224	3.5	
	ES*	27 42		-3.0				
GPZ	E(P)	22 27 25		1.5	5.48	205		
		TAUPO						
JAN 10		H M S	34.00S	180.00W	33 KM	SE ND	AVG MAG	65/072
		04 24 46.0	R				4.1	
		H M S	DIR	RES	DIST	AZ	W-A	W P W S
GNZ	EP	04 25 58		-0.4*	4.90	198		4.3
TUA	EP	04 26 04		0.0*	5.32	205		4.6
	E	01						
KRP	EP	04 26 04		-0.2*	5.33	221		4.1
TNZ	EP	04 26 26		1.0*	6.87	220		
JAN 10		H M S	41.56S	174.20E	12 KM	SE 1.3	AVG MAG	65/073
		06 43 36.1	0.03	0.03	R		3.9	
		+- 0.4						
		H M S	DIR	RES	DIST	AZ	W-A	W P W S
WEL	IPG	06 43 45.7	U	-0.9	0.51	57		4.1
	ESG	52		-1.6				
COB	EP	06 43 57.4		-1.0	1.20	293	3.9	
	EP*	58.2		0.5				
	ES	44 13.5		-1.5				
KAI	EPG	06 44 22		-0.5	2.29	244	3.6	
	E	44						
	ESG	52		-1.4				
TNZ	E(P)	06 44 15		0.9	2.38	3	3.8	4.1
	EP*	16		-1.9				
	ES*	50		0.8				
	ESG	57		0.7				
	E	45 01						
GPZ	ES	06 44 44		0.5	2.42	208	3.2	
CNZ	EP	06 44 17		0.0	2.57	24	4.1	4.1
	ES*	56		0.9				
KRP	EP	06 44 35		1.9	3.78	16	4.0	3.7
	EP*	42		0.2				
	ESG	45 38		-5.4*				
	E	53						
MNW	ES	06 46 21		2.4	6.37	226		
		FELT PORT UNDERWOOD MM IV						

JAN 10		H M S	33.88S	179.58W	33 KM	SE ND	AVG MAG	65/070
		16 09 03.4	ND				4.3	
		H M S	DIR	RES	DIST	AZ	W-A	W P W S
GNZ	EP	16 10 17		0.0	5.14	201		4.4
TUA	EP	16 10 23		0.0	5.58	207		4.5
KRP	EP	16 10 24		0.0	5.66	223		4.0
JAN 10		H M S	34.00S	180.00W	33 KM	SE ND	AVG MAG	65/071
		17 53 04.0	R				4.5	
		H M S	DIR	RES	DIST	AZ	W-A	W P W S
GNZ	P	17 54 13		-1.4*	4.90	198		4.6
TUA	P	17 54 20		0.0*	5.32	205		4.7
KRP	P	17 54 20		-0.2*	5.33	221		4.4
JAN 10		H M S	50.00S	165.00E	33 KM	SE ND	AVG MAG	65/072
		18 22 05.0	R				4.7	
		H M S	DIR	RES	DIST	AZ	W-A	W P W S
MNW	EP	18 23 13		2.1*	4.57	24		4.6
	S	24 04.5		3.0*				4.3
GPZ	E	18 25 38			8.19	43	4.9	
	ES*	26 15		1.9*				
KAI	E	18 25 54			8.69	33	4.9	
JAN 10		H M S	38.75S	175.79E	12 KM	SE 2.7	AVG MAG	65/073
		19 19 29.3	R	0.05	0.05		3.6	
		+- 0.8						
		H M S	DIR	RES	DIST	AZ	W-A	W P W S
TON	EP*	19 19 37		-1.7	0.49	204	2.7	
	ES*	45		-0.7				
KRP	P*	19 19 44		-0.9	0.85	346		3.7
	ESG	59		0.8				4.0
TUA	EP*	19 19 48		-0.5	1.06	93		4.0
	ES*	20 03		0.1				3.8
TNZ	EP*	19 19 52		1.4	1.18	248		3.8
	ES*	20 10		3.5				3.6
GNZ	EPG	19 20 05		0.3	1.75	87		3.8
WEL	EP*	19 20 17		1.3	2.65	197		
	ESG	21 03		4.4				
COB	EP*	19 20 24		-3.0	3.31	224	3.5	
	ESG	21 16		-4.9				
		TAUPO						
JAN 11		H M S	34.00S	180.00W	33 KM	SE ND	AVG MAG	65/074
		01 31 33.0	R				4.2	
		H M S	DIR	RES	DIST	AZ	W-A	W P W S
GNZ	EP	01 32 43		-0.4*	4.90	198		4.4
TUA	EP	01 32 49		0.0*	5.32	205		4.3
KRP	EP	01 32 48		-1.2*	5.33	221		4.0
JAN 11		H M S	36.10S	178.70E	33 KM	SE ND	AVG MAG	65/075
		03 22 23.9	ND				3.9	
		H M S	DIR	RES	DIST	AZ	W-A	W P W S
GNZ	EP	03 23 02		-0.8	2.60	192		4.0
TUA	EP	03 23 08		-0.0	2.97	204		3.9
KRP	EP	03 23 10		-0.0	3.12	233		3.7
JAN 11		H M S	34.00S	180.00W	33 KM	SE ND	AVG MAG	65/076
		04 50 47.0	R				4.2	

JAN 11	H M S	34.00S	180.00W	33 KM	SE ND	AVG MAG						
	R	R	R	R	R	R	DIR	RES	DIST	AZ	W-A	W P
	15 43 20,0											
GNZ	P	15 44 29						-1.4*	4.90	198		4.2
TUA	P	15 44 34						-2.0*	5.32	205		4.4
KRP	E(P)	15 44 38						1.8*	5.33	221		3.7
CNZ	P	15 44 55						5.7*	6.30	213		
JAN 11	15 55 53,0											
GNZ	P	15 57 05						1.6*	4.90	198		4.0
TUA	P	15 57 08						-1.0*	5.32	205		4.3
KRP	P	15 57 09						-0.2*	5.33	221		3.7
JAN 11	16 17 17,8											
	± 0,9	0,05	0,05									
ECZ	EP	16 18 09						0.3	3.47	194		4.7
	ES+	19 05						1.0				
	ET	21 38										
GNZ	EP	16 18 21						-1.7	4.50	196		4.4
ONE	E	16 18 30							4.55	250	3.8	
	ES	19 14						0.1				
KRP	P	16 18 28						0.1	4.88	222		4.3
TUA	EP	16 18 28						-0.1	4.89	203		4.7
CNZ	EP	16 18 41						-0.1	5.86	213		3.7
	E	46										
TON	E	16 18 48							5.87	213		4.1
	E	54										
	ES+	20 15						-1.0				
TNZ	EP	16 18 50						1.3	3.42	219		
WEL	ES	16 20 35						-0.1	7.94	208		4.8
	EL	22 00										
AFTERSHOCK												
JAN 11	16 43 00,0											
GNZ	P	16 44 08						-2.4*	4.90	198		4.0
TUA	P	16 44 16						0.0*	5.32	205		4.0
KRP	P	16 44 16						-0.2*	5.33	221		3.5
JAN 11	16 58 58,0											
GNZ	P	17 00 06						-2.4*	4.90	198		4.0
TUA	P	17 00 16						2.0*	5.32	205		4.0
KRP	P	17 00 14						-0.2*	5.33	221		3.7
JAN 11	17 58 25,4											
	± 1,4	0,07	0,08									
ECZ	EP	17 59 17						2.0	3.38	189		
	E	18 00 23										
	ET	03 05										
ONE	E(P)	17 59 26						-0.3	4.21	249		3.7
	ES	18 00 13						-0.1				
GNZ	EP	17 59 27						-1.8	4.39	192		4.6
KRP	EP	17 59 33						0.9	4.63	219		4.4

JAN 11	H M S	34.00S	180.00W	33 KM	SE ND	AVG MAG						
	R	R	R	R	R	R	DIR	RES	DIST	AZ	W-A	W P
	17 59 33											
TUA	EP	17 59 33						-0.6	4.74	200		4.7
CNZ	E(P)	17 59 47						1.1	5.65	210		4.1
	E	53										
TON	EP*	18 00 02						-1.6	5.66	210		
	ES*	01 19						1.7				
TNZ	E	18 00 03							6.18	217		
WEL	E	18 01 48							7.76	206		5.0
	ES*	02 19						-1.3				
	EL	03 00										
ROX	EL	18 05 00							13.44	211		
AFTERSHOCK												
JAN 11	22 17 34,0											
	± 0,9	0,05	0,05									
GNZ	P	22 18 43						-1.4*	4.90	198		4.3
TUA	P	22 18 49						-1.0*	5.32	205		4.6
KRP	EP	22 18 50						-0.2*	5.33	221		4.0
CNZ	P	22 19 10						6.7*	6.30	213		
JAN 11	23 53 06,0											
	± 0,9	0,05	0,05									
ECZ	EP	23 54 03						0.7*	3.87	197		
GNZ	EP	23 54 14						-2.4*	4.90	198		4.5
	E	20										
TUA	EP	23 54 20						-2.0*	5.32	205		4.6
KRP	EP	23 54 21						-1.2*	5.33	221		4.2
CNZ	EP	23 54 39						3.7*	6.30	213		
	E	51										
TNZ	E	23 54 50							6.87	220		
WEL	EL	23 57 00							8.37	208		
JAN 12	00 43 12,0											
	± 0,9	0,05	0,05									
ECZ	E(P)	00 44 08						-0.3*	3.87	197		
GNZ	EP	00 44 19						-3.4*	4.90	198		4.5
	E	45 22										
TUA	EP	00 44 24						-4.0*	5.32	205		4.6
KRP	EP	00 44 24						-4.2*	5.33	221		4.2
	EP*	39						-5.5*				
CNZ	EP	00 44 47						5.7*	6.30	213		
TNZ	P	00 44 50						1.0*	6.87	220		
	E	57										
WEL	EL	00 47 00							8.37	208		
JAN 12	00 52 12,0											
	± 0,9	0,05	0,05									
GNZ	P	00 53 20						-2.4*	4.90	198		4.4
TUA	P	00 53 28						0.0*	5.32	205		4.6
KRP	P	00 53 29						0.8*	5.33	221		4.0
CNZ	P	00 53 47						5.7*	6.30	213		
JAN 12	01 09 06,0											
	± 0,9	0,05	0,05									
GNZ	EP	01 10 14						-2.4*	4.90	198		4.4
TUA	EP	01 10 20						-2.0*	5.32	205		4.3
KRP	EP	01 10 21						-1.2*	5.33	221		4.0

		H	M	S			33 KM	SE	ND	AVG MAG	
		ND	ND	ND	DIR	RES	DIST	AZ	W-A	W P	W S
CNZ	E	01	10	43			6.30	213			
TNZ	EP	01	10	44		1.0*	6.87	220			
WEL	EL	01	14	00			8.37	208			
65/											
JAN 12		01	20	53.9			34.46S	179.27E			
		H	M	S	DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td>	RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td>	DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td>	AZ <td>W-A <td>W P <td>W S</td> </td></td>	W-A <td>W P <td>W S</td> </td>	W P <td>W S</td>	W S
GNZ	P	01	21	56		0.0	4.30	193		4.2	
KRP	P	01	22	00		0.0	4.59	220		3.8	
TUA	P	01	22	01		-0.0	4.66	201		4.5	
CNZ	E	01	22	24			5.59	211		3.6	
65/											
JAN 12		02	39	09.0			34.55S	179.25E			
		H	M	S	DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td>	RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td>	DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td>	AZ <td>W-A <td>W P <td>W S</td> </td></td>	W-A <td>W P <td>W S</td> </td>	W P <td>W S</td>	W S
ECZ	EP	02	39	56		-0.0	3.19	190		5.0	
E	E	40	44								
ET	E	43	08								
ONE	E	02	40	15			4.19	252		4.1	
ES	E	56				-0.1					
GNZ	EP	02	40	08		-1.9	4.21	193		4.7	
E	E	41	27								
KRP	EP	02	40	14		-0.1	4.51	221		4.3	
TUA	EP	02	40	14.5		-0.4	4.58	201		4.8	
E	E	41	19								
CNZ	EP?	02	40	25		-2.6	5.51	211		4.2	
E	E	30									
E	E	50									
ES+	E	41	54			-2.4					
TON	ES+	02	41	55		-1.6	5.52	212		4.5	
E	E	42	10								
TNZ	EP	02	40	38		3.1	6.06	219			
WEL	E	02	41	15			7.60	206		4.9	
ES	E	42	21			2.8					
ES+	E	43	00			0.7					
EL	E	00									
COB	ES	02	42	43		7.7*	8.32	216		4.7	
GPZ	ES	02	43	29		2.6	10.47	207		5.2	
E	E	54									
ROX	EL	02	47	00			13.30	212			
65/											
JAN 12		04	27	18.0			34.00S	180.00W			
		H	M	S	DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td>	RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td>	DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td>	AZ <td>W-A <td>W P <td>W S</td> </td></td>	W-A <td>W P <td>W S</td> </td>	W P <td>W S</td>	W S
GNZ	EP	04	28	25		-3.4*	4.90	198		4.5	
TUA	EP	04	28	31.5		-2.5*	5.32	205		4.6	
E	E	48									
KRP	EP	04	28	32		-2.2*	5.33	221		4.1	
CNZ	EP	04	28	48		0.7*	6.30	213			
E	E	54									
TON	E	04	29	09			6.31	213		4.2	
TNZ	EP	04	29	00		5.0*	6.87	220			
WEL	EL	04	32	00			8.37	208			
65/											
JAN 12		04	31	00.6			35.20S	179.86W			
		H	M	S	DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td>	RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td>	DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td>	AZ <td>W-A <td>W P <td>W S</td> </td></td>	W-A <td>W P <td>W S</td> </td>	W P <td>W S</td>	W S
GNZ	EP	04	31	55		-1.5	3.84	206		4.5	
E	E	32	05								
TUA	EP	04	32	06		2.8	4.33	213		4.8	
E	E	11									
KRP	EP	04	32	07		0.1	4.60	232		4.3	
E	E	17									

		H	M	S			33 KM	SE	ND	AVG MAG	
		ND	ND	ND	DIR	RES	DIST	AZ	W-A	W P	W S
CNZ	E	04	32	27			5.42	221			4.0
E	E	49									
TON	EP*	04	32	33		-1.8	5.43	221		4.3	
ES*	E	33	46			0.4					
TNZ	E	04	32	32			6.08	227			
65/ 100											
JAN 12		06	22	06.1			38.76S	175.85E			
		H	M	S	DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td>	RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td>	DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td>	AZ <td>W-A <td>W P <td>W S</td> </td></td>	W-A <td>W P <td>W S</td> </td>	W P <td>W S</td>	W S
UNZ	EPG	06	22	11		-0.3	0.23	57			
ESG	E	14.5				-0.2					
CNZ	IPG	06	22	15		U	-1.4	0.50	208		3.5 3.3
E	E	19									
ESG	E	25				1.7					
TON	EPG	06	22	15		-1.5	0.51	209		2.7	
ES*	E	22				-0.9					
E	E	59									
KRP	IP*	06	22	21		U	-1.0	0.87	343		3.8 4.1
SG	E	36				0.4					
TUA	EP*	06	22	25		0.5	1.01	93		4.0	
TNZ	EP*	06	22	28		-0.1	1.23	249		3.9 3.5	
ESG	E	49				1.5					4.1
GNZ	E(PG)	06	22	42		1.5	1.70	87			
COB	E(P*)	06	23	00		-4.3*	3.34	225		3.5	
E	E	19									
TAUPO SHOCK											
65/ 101											
JAN 12		06	25	18.3			39.40S	174.64E			
		H	M	S	DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td>	RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td>	DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td>	AZ <td>W-A <td>W P <td>W S</td> </td></td>	W-A <td>W P <td>W S</td> </td>	W P <td>W S</td>	W S
TNZ	P	06	25	24.9		U	-1.2	0.30	317		
E	E	29									
ES	E	31				-0.8					
TON	EP	06	25	30		-1.5	0.72	74		3.8	
ES	E	40.5				-0.7					
CNZ	IP	06	25	30.4		U	-1.2	0.73	74		3.8 4.2
ES	E	42				0.7					
KRP	P	06	25	43		-1.0	1.63	26		3.9 4.3	
S	E	26	04			0.7					
WEL	P	06	25	48.0		0.6	1.88	177		3.6 4.3 4.3	
S	E	26	13			3.7					
TUA	E	06	25	55			2.04	74			3.6
E	E	26	35								
COB	EP	06	25	51.5		-0.6	2.23	220		3.5	
E	E	56									
ES	E	26	18			0.3					
GNZ	E	06	26	22			2.74	75			3.7
E	E	27	29								
ONE	ES	06	26	55		3.1	3.63	356		3.5	
KAI	ES	06	27	06		5.9*	3.96	217		3.9	
GPZ	ES	06	27	12		-2.1	4.54	199		4.0	
65/ 102											
JAN 12		06	32	54.0			34.00S	180.00W			
		H	M	S	DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td>	RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td>	DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td>	AZ <td>W-A <td>W P <td>W S</td> </td></td>	W-A <td>W P <td>W S</td> </td>	W P <td>W S</td>	W S
ECZ	EP	06	33	54		3.7*	3.87	197		4.8	
GNZ	EP	06	34	04		-0.4*	4.90	198		4.2	
TUA	EP	06	34	11		1.0*	5.32	205		4.3	
KRP	EP	06	34	09		-1.2*	5.33	221		4.0	
EP*	E	28				1.5*					
CNZ	EP	06	34	27		3.7*	6.30	213			
TON	E	06	34	56			6.31	213		4.2	
TNZ	EP	06	34	38		7.0*	6.87	220			
WEL	EL	06	37	00			8.37	208			

		H	M	S	34,00S 180,00W		33 KM	SE	ND	AVG MAG 65/		
JAN 12		07	43	18,0	R	R	R			W-A	W P	W S
		H	M	S	DIR	RES	DIST	AZ				
ECZ	EP	07	44	10		-4.3*	3.87	197	5.1			
GNZ	EP	07	44	28		-0.4*	4.90	198	4.7			
TUA	EP	07	44	34		0.0*	5.32	205	4.7			
KRP	EP	07	44	34		-0.2*	5.33	221	4.3			
CNZ	EP	07	44	48		0.7*	6.30	213	4.5			
TON	E	07	45	37			6.31	213	4.5			
TNZ	E	07	45	02			6.87	220	4.9			
WEL	ES*	07	47	28		-3.4*	8.37	208	4.9			
ROX	EL	07	51	00			14.09	212				

		H	M	S	34,00S 180,00W		33 KM	SE	ND	AVG MAG 65/		
JAN 12		10	50	12,0	R	R	R			W-A	W P	W S
		H	M	S	DIR	RES	DIST	AZ				
ECZ	E(P)	10	51	05		-3.3*	3.87	197	5.1			
GNZ	EP	10	51	19		-3.4*	4.90	198	4.7			
ONE	E	10	51	20			4.96	247	4.7			
TUA	EP	10	51	27		-1.0*	5.32	205	4.3			
KRP	EP	10	51	26		-2.2*	5.33	221	4.3			
CNZ	EP	10	51	40		-1.3*	6.30	213	4.4			
TNZ	EP?	10	51	50		1.0*	6.87	220	5.0			
WEL	EL	10	55	00			8.37	208	5.0			
COB	EP	10	52	24		4.9*	9.13	217	4.8			

		H	M	S	34,00S 180,00W		33 KM	SE	ND	AVG MAG 65/		
JAN 12		13	12	36,0	R	R	R			W-A	W P	W S
		H	M	S	DIR	RES	DIST	AZ				
GNZ	EP	13	13	46		-0.4*	4.90	198	4.2			
TUA	EP	13	13	51		-1.0*	5.32	205	4.4			
KRP	EP	13	13	51		-1.2*	5.33	221	3.7			
CNZ	E	13	14	13			6.30	213	4.4			

		H	M	S	33,81S 179,67E		33 KM	SE	2,R	AVG MAG 65/		
JAN 12		15	54	36,4	0,15	0,25	R			W-A	W P	W S
		H	M	S	DIR	RES	DIST	AZ				
ECZ	EP	15	55	36	U	1.7	3.98	193	5.8			
ONE	EP	15	55	43		-2.3	4.79	244	4.8			
RAO	EP	15	55	46		-1.9	4.99	25	4.8			
GNZ	EP	15	55	46,2		-2.0	5.01	195	5.6			
KRP	EP	15	55	53	D	0.8	5.31	218	5.1			
TUA	EP	15	55	53,2		-0.1	5.39	201	5.5			
CNZ	EP?	15	56	01			6.32	210	5.0			
TON	EP*	15	56	06		0.1	6.33	211	5.0			
TNZ	EP	15	56	16		-3.9	6.85	217	4.1			

		H	M	S	34,00S 179,04E		179 KM	SE	1,4	AVG MAG 65/ 107		
JAN 12		18	55	36,6	0,04	0,06	R			W-A	W P	W S
		H	M	S	DIR	RES	DIST	AZ				
WEL	EP	15	56	35			1.0	8.42	206			
COB	EP	15	56	47		-2.2	3.6	9.12	215	4.9		
KAI	E	15	59	31			2.1	10.86	214	5.2		
GPZ	EP	15	57	16			4.1	11.29	207	5.2		
ROX	EL	16	01	00				14.11	211			
MNW	EP	15	58	09		8.5*	15.10	214				
USCGS EPICENTRE 15 54 34 34.0S 179.4E 11KM												

		H	M	S	34,00S 179,04E		179 KM	SE	1,4	AVG MAG 65/ 107			
JAN 12		18	55	36,6	0,04	0,06	R			W-A	W P	W S	
		H	M	S	DIR	RES	DIST	AZ					
ECZ	P	18	56	34	D	-0.7	3.71	186	5.5 5.0				
ONE	EP	18	56	41		-0.4	4.23	244	3.5 3.3				
GNZ	EP	18	56	45		-2.5	4.71	190	4.9				
KRP	P	18	56	50	D	0.8	4.84	215	4.8				
TUA	EP	18	56	51		-0.8	5.03	197	4.9				
RAO	EP	18	56	56		-0.5	5.40	30	4.8 4.6				
CNZ	EP	18	57	04		0.9	5.90	207	4.4				
TON	EP	18	57	15		5.4*	6.30	215	5.0				
TNZ	EP	18	57	15			5.4*	6.30	215	5.0			
WEL	E	18	57	47			8.02	204	5.0				
COB	E(P)	18	57	42		2.4	8.67	213	4.8				
KAI	E	18	58	18		0.4	10.41	213	4.9				
GPZ	E	18	58	30			10.89	205	4.9				
ROX	EL	19	02	00			13.67	210	4.4				
MNW	E	18	59	02			14.65	213	4.4				
USCGS EPICENTRE 18 55 53.6 34.2S 179.3E 187KM													

		H	M	S	34,00S 180,00W		33 KM	SE	ND	AVG MAG 65/ 108		
JAN 12		20	51	30,0	R	R	R			W-A	W P	W S
		H	M	S	DIR	RES	DIST	AZ				
TUA	P	20	52	46		0.0*	5.32	205	4.3			
KRP	P	20	52	45		-1.2*	5.33	221	4.0			
CNZ	P	20	53	03		3.7*	6.30	213	4.0			
TNZ	P	20	53	15		8.0*	6.87	220	4.0			

		H	M	S	34,00S 180,00W		33 KM	SE	ND	AVG MAG 65/ 109		
JAN 13		04	52	31,0	R	R	R			W-A	W P	W S
		H	M	S	DIR	RES	DIST	AZ				
GNZ	P	04	53	43		1.6*	4.90	198	4.3			
TUA	P	04	53	47		0.0*	5.32	205	4.0			
KRP	P	04	53	47		-0.2*	5.33	221	4.0			
CNZ	P	04	54	03		2.7*	6.30	213	4.0			
TNZ	P	04	54	12		4.0*	6.87	220	4.0			

JAN 13		H M S	34.00S 180.00W		33 KM	SE ND	AVG MAG		65/
		R	R	R	R	R	R	R	
		H M S	DIR	RES	DIST	AZ	W-A	W P	W
GNZ	P	04 55 31		0.6*	4.90	198		4.2	
TUA	P	04 55 35		-1.0*	5.32	205		4.3	
KRP	P	04 55 35		-1.2*	5.33	221		3.7	
CNZ	P	04 55 53		3.7*	6.30	213			
TNZ	E	04 56 07			6.87	220			
JAN 13		H M S	34.00S 180.00W		33 KM	SE ND	AVG MAG		65/
		R	R	R	R	R	R	R	
		H M S	DIR	RES	DIST	AZ	W-A	W P	W
GNZ	P	09 03 41		0.6*	4.90	198		4.3	
TUA	P	09 03 46		0.0*	5.32	205		4.3	
KRP	P	09 03 46		-0.2*	5.33	221		4.1	
CNZ	P	09 03 59		-0.3*	6.30	213			
TNZ	E	09 04 10			6.87	220			
WEL	L	09 07 00			8.37	208			
JAN 13		H M S	34.00S 180.00W		33 KM	SE ND	AVG MAG		65/
		R	R	R	R	R	R	R	
		H M S	DIR	RES	DIST	AZ	W-A	W P	W
GNZ	P	09 08 37		-0.4*	4.90	198		4.9	
TUA	P	09 08 43		0.0*	5.32	205		4.7	
KRP	P	09 08 42		-1.2*	5.33	221		4.4	
CNZ	P	09 08 56		-0.3*	6.30	213			
TNZ	P	09 09 08		4.0*	6.87	220			
WEL	L	09 12 00			8.37	208			
JAN 13		H M S	34.00S 180.00W		33 KM	SE ND	AVG MAG		65/
		R	R	R	R	R	R	R	
		H M S	DIR	RES	DIST	AZ	W-A	W P	W
GNZ	P	14 58 37		-0.4*	4.90	198		4.0	
TUA	P	14 58 42		-1.0*	5.32	205			
KRP	P	14 58 43		-0.2*	5.33	221			
JAN 13		H M S	34.00S 180.00W		33 KM	SE ND	AVG MAG		65/
		R	R	R	R	R	R	R	
		H M S	DIR	RES	DIST	AZ	W-A	W P	W
GNZ	P	14 58 57		-0.4*	4.90	198		4.3	
TUA	P	14 59 03		0.0*	5.32	205		4.4	
KRP	P	14 59 03		-0.2*	5.33	221		4.0	
TNZ	P	14 59 29		5.0*	6.87	220			
JAN 13		H M S	38.72S 175.82E		12 KM	SE 1.7	AVG MAG		65/
		R	R	R	R	R	R	R	
		H M S	DIR	RES	DIST	AZ	W-A	W P	W
WNZ	P*	16 53 10.9	U	-1.0	0.24	69			
IPG		11.7		-0.3					
ES+		14.5		-1.1					
ESG		15.5		-0.1					
TON					0.53	204	3.8		
KRP	IP*	16 53 21.8	U	-0.1	0.82	344		4.6	4.4
EPG		25		1.5					
ESG		37		2.3					
TUA	EP*	16 53 25.5		-0.2	1.05	95		4.6	4.4
IPG		26.2		-1.8					
ES+		40		0.2					
ESG		42		-0.1					
TNZ	P*	16 53 30.7	U	2.1	1.21	247		4.8	4.4

EPG		33		1.6					
ESG		49		1.2					
E		55							
GNZ	EP*	16 53 37.6		0.3	1.73	88		4.7	
EPG		42		0.3					
ECZ	EP*	16 53 50		1.5	2.38	65		4.6	
EPG		58		3.1					
WEL	E(P*)	16 53 55		1.2	2.69	197		4.2	5.0
E		54 08							
E		31							
ESG		38		0.6					
ONE	EP*	16 54 02		0.1	3.16	338		4.0	
EPG		08		-2.6					
ES		29		-3.1					
ESG		47		-6.2*					
COB	EP*	16 54 03		-2.1	3.35	224		4.1	
EPG		12		-2.5					
ES*		44		-5.1*					
E		53							
KAI	EP*	16 54 33		-1.6	5.07	220		4.7	
EPG		49		-0.3					
E		55 28							
ESG		56		-1.6					
GPZ	EP*	16 54 43		0.7	5.52	205		4.0	
EPG		57		-1.3					
ES		55 32		3.0					
RUX	EL	16 57 48			8.30	214			
MNW	E	16 55 28			9.31	218			
FELT TAUPO AREA MM IV									
JAN 13		H M S	38.70S 175.84E		12 KM	SE 2.1	AVG MAG		65/ 116
		R	R	R	R	R	R	R	
		H M S	DIR	RES	DIST	AZ	W-A	W P	W S
WNZ	P*	16 56 42.3	U	-1.3	0.22	71			
ES+		46		-1.0					
TON					0.55	205	3.3		
KRP	IP*	16 56 53.2	U	-0.5	0.81	343		4.5	4.4
EPG		56		0.7					
ESG		57 08.5		2.1					
TUA	P*	16 56 57.9		0.4	1.03	96		4.2	4.3
ES+		57 12		0.6					
ESG		14		0.3					
TNZ	EP*	16 57 02.5		1.4	1.24	246		4.4	4.2
EPG		06		2.1					
ES*		21		3.3					
GNZ	EP*	16 57 08.5		-0.6	1.71	89			
EPG		14		0.6					
ECZ	E(PG)	16 57 30		3.5	2.36	66		4.4	
E		34							
WEL	EP*	16 57 25		-1.3	2.71	197		3.8	4.6
E		29							
E		38							
ESG		58 07		-3.2					
ONE	E(PG)	16 57 39		-3.5	3.15	338		3.7	
E		45							
ESG		5R 22		-3.0					
COB	EP*	16 57 37		-0.6	3.37	224		3.8	
EPG		49		1.9					
ES*		5R 20		-1.9					
KAI	E	16 59 01			5.10	220		4.4	
E		35							
GPZ	E	16 58 38			5.54	205		4.0	
E		59 19							
AFTERSHOCK FELT TAUPO AREA MMIV									

JAN 13	H M S			38,63S	175,89E	12 KM	SE	0,9	AVG MAG	65/
	16	57	47,4							
	+- 0,4			0,02	0,02	R				
	H M S			DIR	RES	DIST	AZ	W-A	W P	W S
WNZ	E	16	57							
	ESG			53	-1,1					
TON	E					0,63	205	2,7		
KRP	P*	16	58	01	U	-0,4	0,76	339	4,0	3,1
	ESG					0,3				
TUA	EP*	16	58	06		0,4	1,00	100	3,5	3,1
	ES*					0,8				
TNZ	ES*	16	58	28		-0,1	1,30	244		3,1
TAUPO AFTERSHOCK										

JAN 13	H M S			38,76S	175,83E	12 KM	SE	1,6	AVG MAG	65/
	21	43	34,4							
	+- 0,4			0,02	0,02	R				
	H M S			DIR	RES	DIST	AZ	W-A	W P	W S
WNZ	PG	21	43							
	E			40						
	ESG			42	-1,5					
TON	E	21	43	44		0,50	207	2,8		
	E			47						
	ES*			50,5	-0,6					
KRP	IP*	21	43	49,3	U	-1,0	0,87	344	4,1	4,1
	EPG			53	0,9					
	ES*			44	0,2					
	ESG			04	-0,1					
TUA	P*	21	43	53,3		0,2	1,03	93	4,0	4,1
	EPG			55	-0,4					
	S*			44	0,8,3	1,2				
TNZ	EP*	21	43	56,5		0,3	1,21	249	4,1	3,1
	EPG			59	-0,0					
	ES*			44	1,5	2,5				
GNZ	E(P*)	21	44	08		3,1	1,72	87	4,0	
	EPG			10	0,8					
	E			19						
WEL	EPG	21	44	27		-1,1	2,65	198	3,6	4,3
	E			33						
	E			45	12					
COB	EP*	21	44	30		-2,5	3,33	225	3,5	
	E			34						
	ES			45	15	11,1*				
TAUPO SHOCK										

JAN 13	H M S			34,00S	180,00W	33 KM	SE	ND	AVG MAG	65/
	22	07	20,0							
	R			R	R	R				
	H M S			DIR	RES	DIST	AZ	W-A	W P	W S
GNZ	E	22	08							
TUA	P	22	08	36		0,0*	5,32	205	4,3	
KRP	P	22	08	36		-0,2*	5,33	221	4,1	

JAN 14	H M S			34,35S	179,58E	33 KM	SE	2,9	AVG MAG	65/
	00	06	22,6							
	+- 2,6			0,12	0,17	R				
	H M S			DIR	RES	DIST	AZ	W-A	W P	W S
4,0	ECZ	EP	00							
	ES					-0,5				
	EP					-2,1	4,83	221	4,7	4,1
	EP					-1,9	4,85	203	5,1	4,1
	E									
	E									
	ES*					-0,3				
TON	E	00	07	51			5,82	213	4,4	

JAN 13	H M S			38,65S	175,86E	12 KM	SE	1,2	AVG MAG	65/
	00	07	52,5							
	+- 0,4			0,02	0,02	R				
	H M S			DIR	RES	DIST	AZ	W-A	W P	W S
TNZ	EP	00	07							
	E			16		-0,4				
	ES*			08	07					
WEL	ES	00	09	41		2,1	7,90	207	5,0	
	E			44						
	E			52						
COB	E	00	08	31			8,63	217	4,8	
	E			10	00					
KAI	ES	00	10	40		2,4	10,37	216	4,8	
	E			53						
GPZ	ES	00	10	49		2,0	10,77	208	4,9	
ROX	EL	00	13	22			13,60	212		
MNW	EP	00	09	46		5,5	14,61	215		

JAN 14	H M S			38,65S	175,86E	12 KM	SE	1,2	AVG MAG	65/
	13	01	34,1							
	+- 0,4			0,02	0,02	R				
	H M S			DIR	RES	DIST	AZ	W-A	W P	W S
WNZ	E	13	01							
	ISG			41	-0,6					
CNZ	P*	13	01	43,5	D	-1,9	0,60	204	3,3	3,3
	ESG			56	1,4					
	EPG			46	-0,4					
TON	EP*	13	01	44		-1,5	0,60	204	2,7	
	EPG			47	0,5					
	ES*			52	-1,9					
	ESG			56,5	1,8					
KRP	IP*	13	01	48,6	U	0,3	0,77	341	4,0	4,1
	ES*			59	0,2					
TUA	EP*	13	01	53		0,3	1,02	99	3,7	3,7
	ES*			02	08	1,5				
TNZ	EP*	13	01	57		0,1	1,27	245	3,6	3,5
	ES*			02	15	1,1				
GNZ	EPG	13	02	08		-0,5	1,70	90	3,8	
COB	ES*	13	03	18		-0,5	3,42	224	3,6	
TAUPO SHOCK										

JAN 14	H M S			38,69S	175,84E	12 KM	SE	1,1	AVG MAG	65/
	15	10	17,2							
	+- 0,2			0,01	0,01	R				
	H M S			DIR	RES	DIST	AZ	W-A	W P	W S
WNZ	EPG	15	10							
	ESG			24	-1,2					
CNZ	P*	15	10	27,0	D	-0,9	0,56	204	3,1	3,1
	EPG			30	1,3					
	ES			38,5	-3,5*					
TON	E(PG)	15	10	29,5		0,7	0,57	204	2,6	
	ES*			34,5	-1,4					
	ESG			36	-0,6					
	ES			40	-2,1					
KRP	IP*	15	10	31,7	U	-0,2	0,80	343	3,9	4,0
	EPG			34	0,6					
	ES*			42	-0,8					
	ESG			44	-0,3					
TUA	EP*	15	10	36		0,1	1,03	97	3,5	3,4
	EPG			38	-0,2					
	ES*			51	1,1					
	ESG			53	0,8					
TNZ	EP*	15	10	40		0,5	1,24	246	3,3	3,5
	EPG			43	0,6					
	ES*			58	1,8					
	E			11	06					
GNZ	E(PG)	15	10	53		1,2	1,71	89	3,6	
COB	E	15	12	16			3,39	224		
TAUPO SHOCK										

		H	M	S	34.19S	179.84E	33 KM	SE	2.8	AVG MAG	65/ 132
TUA	F	05	53	52							
	EP*	05	53	33					-0.1	1.01	96
	EPG			35					-0.3		
TNZ	EP*	05	53	38					0.8	1.25	247
	E			54 03							
GNZ	EPG	05	53	50					1.0	1.69	88
WEL	EP*	05	54	04					1.9	2.70	198
COB	E	05	54	20						3.38	224
TAUPO SHOCK											
JAN 21		06	09	59.8	34.19S	179.84E	33 KM	SE	2.8	AVG MAG	65/ 132
				+- 3.1	0.1R	0.16	R				
GNZ	EP	06	11	08					0.8	4.68	198
	EP*			17					-4.2		
	E			12 41							
ONE	E(P)	06	11	08.5					0.1	4.77	249
	EP*			24					1.3		
	E			49							
	ES			58					-3.0		
	E			12 34							
TUA										5.10	204
KRP	IP	06	11	15			D	2.1		5.11	222
CNZ										6.08	213
TON										6.08	213
TNZ	EP	06	11	38				4.3		6.64	220
	E			48							
WEL	EP	06	11	52			D	-1.8		8.15	208
	E			12 09							
	E			29							
	ES			13 23					1.0		
	E			33							
	E			14 12							
COB	EP	06	12	01				-2.8		8.90	217
	E			10							
	ES			13 42				2.0			
	E			52							
KAI	E	06	12	43						10.63	216
	E			14 48							
	E			15 07							
ROX	EL	06	17	00						13.86	212
MNW	E(P)	06	13	21				0.1		14.87	215
	E			34							
USCGS EPICENTRE 06 09 58 34.2S 179.8E 33KM											
JAN 21		11	12	18.0	38.66S	175.89E	12 KM	SE	1.1	AVG MAG	65/ 134
				+- 0.3	0.02	0.02	R				
WNZ	EPG	11	12	21					-1.1	0.17	80
	ES*			24.5					-0.4		
	ESG			26					1.1		
CNZ										0.60	206
TON										0.61	206
KRP	P*	11	12	32			U	-0.5		0.78	339
	ESG			46					1.3		
TUA	EP	11	12	36					-1.7	1.00	99
TNZ	EP*	11	12	40.5			U	-0.6		1.29	245
	EPG			43					-1.2		
	ES*			58					-0.4		
	ESG			13 02					0.4		
GNZ	E(PG)	11	12	53				1.1		1.67	90
WEL	E(P*)	11	13	07				0.6		2.76	198
	ES*			44					1.3		
COB	EP*	11	13	13				-4.8*		3.43	224
	E			24							

		H	M	S	38.40S	175.17E	33 KM	SE	6.1	AVG MAG	65/ 132
				+- 3.7	0.29	0.32	R				
KRP	P	11	35	52			D	-5.2		0.56	31
CNZ	P	11	36	00			U	-1.2		0.85	160
TNZ	E(P)	11	36	07				3.8		1.00	218
TUA	E(P)	11	36	14				2.5		1.60	105
GNZ	E(P)	11	36	26				5.6		2.25	97
WEL	P	11	36	22				-7.3		2.90	186
COB	ES	11	37	17				5.8		3.27	214
GPZ	ES	11	38	04				-4.1		5.62	199
JAN 21		18	07	19.6	38.72S	175.86E	12 KM	SE	0.9	AVG MAG	65/ 133
				+- 0.2	0.01	0.01	R				
WNZ	PG	18	07	23.2			U	-1.1		0.21	66
	ESG			27.5				-0.0			
CNZ										0.54	207
TON										0.54	207
KRP	P*	18	07	34				-0.9		0.83	342
	ES*			46				-0.2			
	ESG			48				0.2			
TUA	EP*	18	07	38			U	0.0		1.01	95
	E			49							
	ES*			52				0.3			
TNZ	EP*	18	07	42.5				0.6		1.24	247
	EPG			45				0.2			
	ESG			08 02				0.3			
GNZ	E(PG)	18	07	55				1.1		1.69	88
WEL	EP?	18	08	05				2.8*		2.70	198
	E			10							
	ES*			41				-1.4			
COB	EP*	18	08	20				1.6		3.37	224
	ES*			09 02				-0.6			
FELT TAUPO MM IV											
JAN 21		18	24	44.2	38.70S	175.86E	12 KM	SE	1.1	AVG MAG	65/ 134
				+- 0.4	0.02	0.02	R				
WNZ	PG	18	24	47.5			U	-1.4		0.21	70
	ESG			52				-0.1			
CNZ										0.55	206
TON										0.56	206
KRP	P*	18	24	58.5				-0.8		0.82	342
	ES*			25 10				-0.4			
	ESG			13				1.0			
TUA										1.02	96
TNZ	EP*	18	25	07.5				0.8		1.25	247
	EPG			09.5				-0.1			
	ESG			26				-0.4			
GNZ	E(PG)	18	25	20				1.4		1.70	89
FELT TAUPO MM IV											
JAN 22		19	17	43.9	47.36S	166.71E	12 KM	SE	2.1	AVG MAG	65/ 135
				+- 1.6	0.14	0.13	R				
MNW	IP	19	18	12.0			D	-0.8		1.70	22
	EPG			20				1.6			
ROX	P	19	18	25				-0.3		2.61	45

	E		39															
	ES		57		2.1													
	ESG	17	19		3.3													
GNZ	E	23	16	32			3.24	53										
	EPG			36		-0.3												
	E			41														
	E		17	15.5														
	E			36														
GPZ	EP	23	16	20		-2.8	3.41	206	4.8									
	EP*			33		2.8												
	ES			57		-5.2*												
AUC	E(P)	23	16	28		0.1	3.79	1		3.8								
	ES			17	11	-0.3												
	ESG			43		4.6*												
ONE	E(P)	23	16	41		-1.6	4.88	357	4.3									
	FS			17	36	-1.6												
MNW	E(P*)	23	17	38		1.4	7.29	223										
	E			25.5														
	ES		18	34		-1.2												
	E			41														

FELT WELLINGTON MMIV

H	M	S																
JAN 26	02	37	12.4	38.72S	175.83E	12	KM	SE	1.5	AVG MAG	3.0							
				0.03	0.02		R											

WNZ	EPG	02	37	16.8		-0.8	0.23	68										
	ESG			20.7		-0.4												
CNZ	EP*	02	37	20		-2.5	0.53	204		3.4								
	EPG			22		-1.3												
	E			24														
	ESG			29		-1.5												
TON							0.53	205	2.7									
KRP	EP*	02	37	27.5	U	-0.1	0.83	344		3.9								
	E			26														
	ES*			38		-0.9												
	E			42														
TUA	E(P*)	02	37	32		0.8	1.04	95		3.6								
	ES*			47		1.7												
TNZ	EP?	02	37	34		-1.0	1.22	247		3.8								
	EP*			35.5		1.1												
	EPG			38		0.8												
	ES*			53.3		2.5												
	E			38	07													
GNZ	E	02	37	53			1.72	88		3.7								
AUC	E	02	38	29			2.04	336		3.8								
WEL	EP*	02	38	01		1.5	2.69	197		3.3	3.8							
	E			18														
COB	E(P*)	02	38	11		0.1	3.35	224		3.5								

FELT WAIRAKEI MMII

H	M	S																
JAN 26	06	24	58.0	34.00S	180.00W	33	KM	SE	ND	AVG MAG	4.1							
							R											

GNZ	EP	06	26	07		-1.4*	4.90	198		4.5								
TUA	EP	06	26	13		-1.0*	5.32	205		4.3								
	E			27	23													
KRP	EP	06	26	17		2.8*	5.33	221		3.9								
CNZ	E(P)	06	26	31		3.7*	6.30	213										
	E			28	09													
TNZ	E(P)	06	26	40		5.0*	6.87	220										
WEL	S	06	28	30		4.3*	8.37	208		5.1								

H	M	S																
JAN 26	14	09	18.5	38.73S	175.82E	12	KM	SE	1.7	AVG MAG	4.1							
				0.02	0.02		R											

WNZ	IPG	14	09	23.7		D	-0.2	0.24	67									
	I			26														
	ESG			27			-0.5											
CNZ	FP*	14	09	28			-0.4	0.52	204									
TON								0.52	204		3.7							
KRP	P*	14	09	33.7		U	-0.1	0.83	345			4.5	4.4					
	ES*			45			-0.1											
TUA	EPG	14	09	39			-0.8	1.05	95			4.7	4.4					
	E			36														
	E			43														
	ES*			54			2.4											
TNZ	IP*	14	09	41.5		U	1.2	1.21	247			4.7	4.6					
	S*			10	00		3.5											
GNZ	EP*	14	09	49			-0.2	1.73	88			4.7	4.3					
	EPG			54			0.5											
	E			10	36													
AUC	EP*	14	09	55			0.6	2.04	336			4.9	4.4					
	IPG			59			-0.7											
	E			10	06													
	E			44														
WEL	EP*	14	10	05			-0.5	2.68	197		4.0	4.8	4.5					
	EP			02			1.2											
	EPG			11			-1.7											
	E			44														
	ESG			46			-2.9											
ONE	EPG	14	10	21			-1.5	3.17	338		4.0							
	ES*			49			-6.3*											
	E			11	11													
COB	EP*	14	10	14			-2.8	3.34	224		3.5							
	EP			11			1.3											
	ES*			11	00		-0.6											
KAI	EP*	14	10	44			-2.2	5.06	220		4.6							
	ES*			11	43		-9.3*											
	E			12	34													
GPZ	EP*	14	10	56			2.1	5.51	205		4.0							
	EPG			11	10		0.1											
	E			48														
	ES*			12	08		2.2											

FELT TAUPU MM IV

H	M	S																
JAN 27	06	10	08.2	33.61S	179.83W	33	KM	SE	2.3	AVG MAG	4.6							
				0.23	0.25		R											

ECZ	P	06	11	11			0.8	4.29	197			5.0	4.6					
	EP*			24			1.1											
	ET			14	56													
ONE	E	06	11	26				5.25	244		4.2							
	E			12	08													
GNZ	EP	06	11	22.5			-1.7	5.32	198		4.8							

Station	Type	Time (H M S)	Mag	Dir	Res	Dist (km)	Az	W-A	W-P	W-S
WEL	P	16 19 39.6	U 1.1		1.67	170	3.8	4.0		
	ES	20 11	0.9							
COR	EP	16 19 40.5	0.1		1.92	221	3.6			
	ES	20 13	-0.7							
TUA	ES	16 20 21	0.9		2.31	70				
GNZ	E(P)	16 19 54	3.0*		3.00	72	3.6			
	ES	20 30	-2.7							
KAI	EP	16 19 59	0.7		3.65	217	4.0			
	ES	20 46	0.4							
GPZ	E	16 20 24			4.26	197	3.8			
	ES	57	-1.1							
MNW	EP	16 20 49	-1.2		7.90	217				
	E	52								
	ES	22 19	0.3							
H M S 31.76S 179.98E 524 KM SE 1.9 AVG MAG 5.0 +/- 1.1 0.11 0.17 13										
RAO	P	20 42 38	-2.5		3.09	37				
ECZ	P	20 43 07	2.1		6.03	191				
	FAP	44 15								
	ES	24.5	1.4							
ONE	EP	20 43 07	1.0		6.15	228				
	ES	44 25	-0.1							
AUC	EP	20 43 12	1.1		6.66	219				
KRP	EP	20 43 16.5	0.8		7.15	209				
	ES	44 43	0.3							
TUA	EP	20 43 17.5	-0.8		7.40	197				
	EXP	44 32								
	E	43								
	ES	46	-1.2							
CNZ	EP	20 43 26	-0.9		8.25	205				
	ES	45 01	-1.8							
TON					8.26	205	5.2			
TNZ	P	20 43 33	1.5		8.70	210				
	ES	45 13	1.9							
WEL	EP	20 43 47	-1.9		10.38	202	5.5			
	E	50								
	ES	45 38	-4.9*							
COR	EP	20 43 56	1.0		10.98	210	5.1			
	ES	45 50	-4.1							
KAI	E	20 44 17			12.72	210	5.0			
	ES	46 26	-0.9							
	E	41								
GPZ	E(P)	20 44 21	2.8		13.24	204	5.3			
	E	46 34								
	ES	37	0.4							
H M S 39.34S 174.91E 226 KM SE 1.0 AVG MAG 4.8 +/- 0.8 0.06 0.05 6										
TNZ	P	05 39 25.0	0.2		0.44	291				
	ES	48	0.1							
	E	55			0.51	74	3.1			
TON					1.82	74	4.1			
TUA	EP	05 39 33.5	-0.4							
	E	58								
	ES	40 03.5	-0.5							
WEL	P	05 39 36.9	U 1.9		1.94	183	4.5	4.8		
	E	40 07								
	E	09								
COR	EP	05 39 39.7	W 0.0		2.41	223	3.9			
	ES	40 14	-0.5							
GNZ	P	05 39 41.7	0.8		2.52	75	4.0			
	E	40 10								

Station	Type	Time (H M S)	Mag	Dir	Res	Dist (km)	Az	W-A	W-P	W-S
	ES		15.5		-1.1					
	E		19							
KAI	EP?	05 40 00.5	0.7		4.14	219	4.2			
	E	01.7								
	E	49								
	S	50.6	0.4							
GPZ	EP	05 40 06.5	0.2		4.67	201	4.8			
	E	41 00.5								
	ES	02	0.1							
MNW	EP	05 40 53.5	-0.2		8.38	218				
	ES	42 25	-1.8							
	E	29								
H M S 38.71S 175.82E 12 KM SE 1.2 AVG MAG 3.8 +/- 0.3 0.03 0.02 R										
WNZ	PG	03 55 56.0	-1.2		0.23	71				
	E	58								
ESG		56 00	-0.7							
CNZ	P*	03 56 00	U -2.2		0.53	203	3.4			
	EPG	03	-0.0							
TON					0.54	204				
KRP	P*	03 56 06.6	D -0.4		0.81	344	3.8			
	EPG	09	0.4							
TUA	EP*	03 56 10.8	-0.2		1.05	96	3.7			
	EPG	14	0.7							
TNZ	P*	03 56 14.2	D 0.3		1.22	247	3.5			
	EPG	16.5	-0.3							
GNZ	E(PG)	03 56 26.5	-0.5		1.73	89	3.9			
	E	31								
ECZ	E(PG)	03 56 42	1.9		2.38	66	4.3			
WEL	EP*?	03 56 41	1.7		2.70	197				
	EPG	47	0.4							
TAUPO SHOCK										
H M S 38.72S 175.81E 12 KM SE 2.1 AVG MAG 4.2 +/- 0.5 0.03 0.03 R										
WNZ	PG	03 56 06.5	-1.9		0.25	70				
	ESG	09.5	-2.5							
CNZ	P*	03 56 11	-2.0		0.52	203	4.1			
TON					0.53	203	3.4			
KRP	P*	03 56 17.5	-0.5		0.82	345	4.6	4.5		
	E	21								
	ESG	33	2.3							
TUA	EP*	03 56 22.5	0.5		1.05	95	4.8	4.4		
	EPG	26	1.6							
	ES*	37	0.8							
TNZ	P*	03 56 25.2	D 0.5		1.21	247	4.5	4.0		
	PG	27.5	0.0							
	S*	42	1.1							
GNZ	E(PG)	03 56 37	-1.1		1.73	88	4.9			
	E	42								
ECZ	EPG	03 56 53	1.8		2.39	66				
WEL	EP*	03 56 51	1.0		2.69	197	3.7	4.6	4.3	
	E	57 16								
	ES*	30	4.6							
	ESG	33	-0.6							
ONE	EP*	03 56 59	1.0		3.15	338	4.0			
	ESG	57 48	-1.3							
COR	EP*	03 56 57	-4.3		3.35	224	3.8			
	E	57 08								
	ES*	42	-3.2							
	E	58								
KAI	EP*	03 57 32	1.2		5.07	220	4.2			

		H	M	S		DIR	RES	DIST	AZ	W-A	W P	W S
	E			51								
	ESG			58 49			-4.8*					
GPZ	E	03	57	45			2.5	5.52	205	4.0		
	EPG			57								
	E			58 36								
	ES*			49			-1.4					
MNW	E	03	58	32				9.31	218			
TAUPO SHOCK												
65/154												
JAN 29	H M S	22	47	58.0								
	R											
	H M S	34.00S	180.00W					33 KM	SE ND	AVG MAG	4.3	
	R											
	H M S	22	48	54								
ECZ	E(P)						-0.3*	3.87	197	5.1	4.3	
	E			49 50								
GNZ	P			22 49 08			-0.4*	4.90	198	4.4		
TUA	EP			22 49 14			0.0*	5.32	205	4.6	4.1	
	S			50 11			-1.5*					
KRP	EP			22 49 13			-1.2*	5.33	221	4.0		
65/154												
JAN 30	H M S	08	40	28.0								
	R											
	H M S	32.12S	178.83W					214 KM	SE	2.9	AVG MAG	5.1
	R											
	H M S	08	41	18.5								
RAO	P						0.1	2.96	16	5.3	5.1	
	E			30								
	ES			55.5			-2.0					
ECZ	EP?			08 41 56			0.3	5.97	200	5.6	5.1	
	E			58								
	ES			43 06			2.0					
	E			10								
ONE	E			08 42 13.8				6.73	235	5.4		
	E			16								
	E			24								
GNZ	EP			08 42 07			-2.1	7.00	201			
	E			10.5								
	E			35								
	E			43 22								
	ES			29			1.0					
GNZ	EP			08 42 07			-2.1	7.00	201			
	E			43 48								
KRP	EP			08 42 19.0			4.6	7.41	217			
	E			26								
	E			36								
	E			43 56								
TUA	EP			08 42 16			1.3	7.44	205			
	E			29								
	E			43 29								
	ES			34.5			-3.6					
	E			40								
CNZ	EP			08 42 33			5.6	8.42	211			
	E			46								
	E			44 09								
TON	E							8.42	211	5.1		
TNZ	E			08 42 41				8.96	216			
	E			44 30								
WEL	EP			08 42 54			-0.2	10.49	207	5.7		
	ES			44 45			-3.8					
COB	ES			08 45 05			-0.7	11.22	215	5.4		
KAI	ES			08 45 45			-0.5	12.96	214	5.3		
GPZ	E(P)			08 43 33			2.6	13.37	208	5.5		
	E			45 50								
	ES			52			-2.6					
ROX	EL			08 50 00				16.20	211			
MNW	E			08 44 25				17.21	214			
	E			30								
USCGS	EPICENTRE	08	40	35				32.6S	178.3W	55KM		

		H	M	S		DIR	RES	DIST	AZ	W-A	W P	W S
JAN 31	H M S	10	54	03.3								
	R											
	H M S	37.33S	177.40E					140 KM	SE	2.2	AVG MAG	4.2
	R											
	H M S	10	54	26.8								
ECZ	P						-0.3	0.98	112		5.0	5.0
	E			31								
	ES			45			-0.4					
	E			51								
GNZ	P			10 54 31.3			-0.1	1.40	159		4.4	4.8
	E			34.5								
	ES			52			-0.9					
KRP	IP			10 54 34.8			1.4	1.59	248		4.1	3.7
	ES			58			1.5					
TON	EP			10 54 51			1.2	2.37	217		3.5	
ONE	EP			55 22			-3.2	2.89	302		3.6	
TNZ	EP			10 54 55			3.9	3.01	231		3.8	
WEL	EP			10 55 10			-0.1	4.44	206		4.2	4.0 4.3
	E			27								
	E			59								
	ES			56 01			-0.5					
	E			19								
COB	ES			10 56 19			-0.8	5.21	223		4.1	
KAI	ES			10 57 03			1.7	6.93	220		4.4	
GPZ	E			10 57 03				7.31	208		4.4	
	ES			07			-3.5					
65/154												
FEB 01	H M S	12	29	27.2								
	R											
	H M S	38.72S	175.90E					12 KM	SE	0.9	AVG MAG	3.9
	R											
	H M S	12	29	32								
WNZ	EP*						0.6	0.18	62			
	IS*			36.7			2.4*					
CNZ	IP*			12 29 37.1			-0.7	0.55	209		3.5	3.7
	ES*			45			-0.5					
KRP	IPN			12 29 43.0			-1.9	0.84	340		4.2	4.1
	ESN			58			0.2					
TUA	E(PG)			12 29 47			-0.2	0.98	96		4.0	
TNZ	EPN			12 29 50.7			0.2	1.27	248		4.0	3.6
	ESN			30 08.5			0.8					
GNZ	E(PG)			12 30 01			0.1	1.66	88		4.1	
WEL	E(P*)			12 30 16			1.3	2.71	198		3.6	4.1 4.0
	ES*			50			-0.3					
ONE	EPG			12 30 32			0.5	3.18	337		3.6	
65/155												
FEB 02	H M S	04	52	33.1								
	R											
	H M S	41.25S	174.31E					12 KM	SE	1.9	AVG MAG	4.1
	R											
	H M S	04	52	40.8								
WEL	IP*						0.7	0.35	97		4.4	
	ES*			46			0.8					
COB	EPN			04 52 56			0.6	1.20	277		3.7	
	ESN			53 14			2.1					
TNZ	EPN			04 53 06			-0.8	2.06	2		3.9	
	ESG			42			-0.5					
CNZ	IPN			04 53 05.9			-3.5	2.25	25		3.9	4.3
	EP*			14			1.2					
	ESG			48			-1.1					
KAI	E(PG)			04 53 23			-1.0	2.51	238		4.3	
	ESN			45			1.8					
GPZ	EPN			04 53 16			-0.2	2.74	206		4.0	
	ESN			46			-2.7					
TUA	EPN			04 53 26			2.7	3.27	43		4.0	
FELT WELLINGTON DISTRICT MAX INTENSITY MM IV												

FEB 05		H	M	S	41.63S	171.79E	12 KM	SE	2.1	AVG MAG	65/
		00 13		45.3	0.06 0.11		R			3.1	
		+-		1.3							
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
COB	EPN	00	14	04		0.4	0.89	53	3.3		
	ESN			15.5		-1.5					
KAI	EPG	00	14	06.8		2.4	0.94	198	3.8		
	ISN			17.8		-0.3					
GPZ	EPN	00	14	22		1.7	2.16	163	3.4		
	EPG			26		-3.0					
	ESN			45		-1.3					
WEL	EPN	00	14	23		1.3	2.26	82	3.5	4.2	4.1
	ESN			51		2.2					
TNZ	E(PG)	00	14	46		-2.8	3.14	40		3.5	3.1
	ESG			15 32		0.9					
FEB 05		H	M	S	38.81S	175.19E	272 KM	SE	0.8	AVG MAG	65/
		02 44		15.0	0.04 0.04		4			4.1	
		+-		0.6							
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
CNZ	IP	02	44	51.8	D	1.3	0.48	144			
	ES			45 18		-0.1					
TNZ	EP	02	44	52		0.7	0.73	239		3.4	3.1
	ES			45 19		-0.7					
KRP	IP	02	44	51.5	D	-0.7	0.93	17		4.5	
	EP	02	44	56		-0.1	1.54	91		4.8	4.1
	ES			45 27		-0.7					
GNZ	IP	02	45	01.4	D	-0.2	2.22	87		5.1	4.1
	ES			38.5		0.7					
WEL	EP	02	45	05		0.8	2.49	187		4.7	4.3
	ES			43		0.6					
ECZ	EP	02	45	07.5		-0.5	2.87	68		5.2	
	EP	02	45	09		0.1	2.95	219		4.2	
	ES			51		0.3					
GPZ	EP	02	45	35		0.0	5.24	201		4.8	
	ES			46 36		-1.5					
FEB 05		H	M	S	43.70S	168.55E	33 KM	SE	2.3	AVG MAG	65/
		18 31		30.5	0.09 0.09		R			4.1	
		+-		1.8							
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
ROX	EP*	18	32	05		1.4	1.86	163		4.1	4.1
	ESN			23.5		2.7					
MNW	IPN	18	32	03.2	U	-0.5	2.18	197		4.8	4.1
	ESN			26		-2.8					
KAI	EPN	18	32	07		0.3	2.40	62		3.3	
	ESN			35		0.8					
	E			33 12							
GPZ	ESN	18	32	46		-2.0	2.97	91		3.5	
FEB 05		H	M	S	36.08S	178.97E	254 KM	SE	3.6	AVG MAG	65/
		23 31		42.2	0.34 0.51		43			4.1	
		+-		5.8							
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
GNZ	IP	23	32	32.1	D	0.1	2.67	196		4.9	4.7
	ES			33 09		-1.6					
TUA	EP	23	32	39		2.7	3.09	207		3.8	4.1
	E			55							
	ES			33 21		2.7					
KRP	EP	23	32	36.5		-2.3	3.31	235		3.9	3.1
	E			33 01							
WEL	ES	23	34	19		-4.9	6.15	211		4.9	
	ES	23	34	45		2.2	6.99	222		4.9	
GPZ	ES	23	35	30		1.1	9.03	211			

FEB 06		H	M	S	47.68S	166.48E	12 KM	SE	2.8	AVG MAG	65/ 160
		12 04		26.3	0.25 0.21		R			5.2	
		+-		2.2							
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
MNW	I(PN)	12	04	55.7	D	-4.2	2.05	23		5.3	
ROX	IPN	12	05	10.8	U	-1.5	2.94	43		4.9	5.2
	E			32							
	ES			47.5		0.7					
GPZ	EPN	12	05	53		1.5	5.87	50		5.3	
	EPG			06 24		-1.1					
	ESN			52		-5.0					
	ES*			07 22		-2.4					
	ESG			48		3.8					
KAI	EPN	12	05	59		2.8	6.22	36		5.4	
	ESN			07 06		0.7					
COB	EPN	12	06	20		0.6	7.96	36		5.0	
	ESN			07 42		-4.8					
WEL	EPN	12	06	30		0.7	8.71	46		5.3	
	ESN			08 04		-0.6					
TNZ	EPN	12	06	50		0.5	10.24	37			
	ESN			08 44		3.4					
CNZ	EPN	12	06	57		1.2	10.73	41			
	E			09 37							
KRP	EPN	12	07	10		0.4	11.79	38			
	ESN			09 20		3.3					
FEB 08		H	M	S	40.86S	175.87E	12 KM	SE	2.1	AVG MAG	65/ 161
		21 31		37.0	0.05 0.06		R			3.8	
		+-		1.0							
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
WEL	EPN	21	31	56.5		0.6	0.94	242		3.6	4.1
	E			32 03.5							
	ESN			12.5		2.8					
CNZ	EPN	21	32	02		-3.6	1.68	351		3.7	3.6
	EP*			07		0.2					
TNZ	EPN	21	32	12		1.8	2.02	325		3.9	3.7
	ESG			47		1.7					
COB	EPN	21	32	13		-2.1	2.38	263		3.5	
	ES*			49		-1.3					
GNZ	E(PG)	21	32	34.5		1.5	2.77	38		4.0	
KRP	E(P*)	21	32	29		0.6	2.94	355		3.8	3.4
	ESN			56		-1.4					
GPZ	ESN	21	33	15		-0.7	3.71	219		3.8	
FEB 10		H	M	S	35.74S	178.63E	268 KM	SE	2.1	AVG MAG	65/ 162
		09 08		40.8	0.10 0.24		24			4.3	
		+-		2.9							
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
GNZ	IP	09	09	35.0	U	0.8	2.94	189		4.7	4.9
	ES			10 14		-1.8					
KRP	EP	09	09	39		0.9	3.30	228		3.7	
ONE	EP	09	09	37		-3.0	3.47	268		4.1	
CNZ	EP	09	09	49		0.4	4.24	214		3.5	3.5
	ES			10 44		2.5					
TNZ	EP	09	09	58		2.5	4.82	223		3.8	
WEL	EP	09	10	13		-0.7	6.31	208		5.0	
	ES			11 26		-0.5					
KAI	E	09	12	14			8.79	217		4.7	
GPZ	ES	09	12	30		-1.0	9.18	208		5.1	
FEB 10		H	M	S	33.02S	178.79W	380 KM	SE	2.6	AVG MAG	65/ 163
		17 34		47.4	0.37 0.64		46			5.2	
		+-		5.4							

		H	M	S	DIR	RFS	DIST	AZ	W-A	W P	W S
GNZ	EP	17	36	20		-1.9	6.18	204			
	ES		37	37		0.9					
KRP	EP	17	36	30		1.7	6.73	222			
CNZ	E	17	36	50			7.68	215			
TNZ	E	17	37	14			8.27	220			
WEL	E	17	38	44			9.72	210	5.5		
COB	ES	17	39	05		-2.3	10.51	218	5.1		
KAI	ES	17	39	45		0.9	12.24	216	5.0		
GPZ	ES	17	39	52		0.7	12.59	210	5.3		

		H	M	S			DIST	AZ	W-A	W P	W S			
FEB 12		03	56	16.1	40.15S	175.15E	33 KM	SE	2.6	AVG MAG	3.7			
				± 0.9	0.05	0.10								
					H <th>M</th> <th>S</th> <th>DIR</th> <th>RFS</th> <th>DIST</th> <th>AZ</th> <th>W-A</th> <th>W P</th> <th>W S</th>	M	S	DIR	RFS	DIST	AZ	W-A	W P	W S
CNZ	IP	03	56	30			U	-3.0	0.99	18			3.6	4.1
	ES			42				-3.5						
TNZ	IP	03	56	33.4				-1.4	1.13	328			3.6	3.8
	ES			48				-0.7						
WEL	IP	03	56	35.8			D	0.3	1.18	194	3.5	4.1	4.1	4.4
	ES			51				1.0						
TUA	EP	03	56	49				1.6	2.05	50			3.4	3.7
	E			57										
COB	EP	03	56	50				2.3	2.06	242	3.3			
	ES			57				0.5						
KRP	EP	03	56	51.5				1.5	2.24	8			3.8	3.8
	ES			57				4.3						
GPZ	ES	03	57	56				-2.9	4.01	207	3.6			

		H	M	S			DIST	AZ	W-A	W P	W S			
FEB 12		08	13	32.9	40.40S	173.43E	187 KM	SE	1.8	AVG MAG	3.8			
				± 1.5	0.07	0.09								
					H	M	S	DIR	RFS	DIST	AZ	W-A	W P	W S
COB	EP	08	14	03				U	2.4	0.87	218			
	ES			23				1.0						
WEL	IP	08	14	06.2				U	1.9	1.34	132	4.0	4.4	4.4
	ES			29				0.4						
TNZ	EP	08	14	06				U	1.1	1.41	31		3.8	3.8
	ES			27				-2.7						
CNZ	IP	08	14	11.5				U	0.4	2.02	54		3.0	3.0
	ES			40				-0.4						
KAI	ES	08	14	51				-1.6	2.61	215				
TUA	EP	08	14	26				0.1	3.28	62			3.8	
GPZ	IS	08	15	06.0				-2.2	3.35	190				
GNZ	EP	08	14	34				-0.4	3.96	65			4.2	

		H	M	S			DIST	AZ	W-A	W P	W S			
FEB 14		17	51	53.2	41.11S	175.49E	12 KM	SE	2.0	AVG MAG	3.7			
				± 1.2	0.06	0.06								
					H	M	S	DIR	RFS	DIST	AZ	W-A	W P	W S
WEL	IP*	17	52	03.1				D	-1.0	0.57	252	3.8	4.1	4.4
	ES*			10					-2.1					
CNZ	EPN	17	52	25					0.2	1.90	1		3.7	3.7
	ESG			56					-1.5					
COB	EPN	17	52	30					2.8	2.08	270	3.5		
	ESN			55					2.7					
TNZ	EPN	17	52	25					-2.4	2.10	336		3.6	3.7
	ESG			53					-0.9					
TUA	E(PG)	17	52	46					-0.3	2.63	30		3.6	3.6
	ESG			53					2.2					
GNZ	ESN	17	53	16					-2.0	3.14	39		3.6	3.6
KRP	E(P*)	17	52	49					0.4	3.18	1		3.6	3.6
	ES*			53					1.7					

		H	M	S			DIST	AZ	W-A	W P	W S
FEB 17		18	04	33.7	41.37S	173.34E	103 KM	SE	1.7	AVG MAG	4.4
				± 0.6	0.04	0.05					

FELT AT PONATAHI MM III

		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
COB	IP	18	04	51.8		1.5	0.54	301	4.5		
	ES			05		-0.9					
WEL	IP	18	04	57		1.4	1.08	86	4.8	4.7	5.2
	ES			05		-0.1					
KAI	EP	18	05	06		1.1	1.85	231	4.1		
	ES			28		-0.1					
TNZ	IP	18	05	13.2		2.0	2.32	20		4.2	4.6
	ES			38		-1.2					
GPZ	EP	18	05	14		1.9	2.38	192	4.7		
	ES			39		-1.8					
CNZ	EP	18	05	17		-0.1	2.75	39		4.2	4.2
	E			21							
	E			27.5							
KRP	IP	18	05	32.8		0.9	3.83	27		4.3	4.5
	ES			06		-1.2					
TUA	EP	18	05	32		-0.6	3.88	50		4.3	4.0
	E			45							
	E			06							
GNZ	EP	18	05	39		-2.1	4.51	54		4.0	4.6
	S			06		-6.8*					
MNW	EP	18	06	04		1.8	6.06	221			
	ES			07		-2.7					

FELT AT PORT UNDERWOOD AND WELLINGTON MM IV

		H	M	S			DIST	AZ	W-A	W P	W S			
FEB 18		18	04	33.7	39.24S	175.22E	186 KM	SE	1.6	AVG MAG	4.1			
				± 1.3	0.07	0.06								
					H	M	S	DIR	RFS	DIST	AZ	W-A	W P	W S
CNZ	IP	18	04	59.0				D	0.4	0.26	82			
	ES			05					-1.7					
TNZ	EP	18	05	00.5					0.5	0.66	274		3.7	3.4
	ES			22					1.6					
KRP	IP	18	05	03.8				U	-1.1	1.33	11		3.7	
	EP	18	05	08					1.0	1.56	75		4.4	3.9
	ES			31					-1.8					
WEL	IP	18	05	14.9					2.5	2.08	189	3.8	4.4	4.1
	ES			43.5					1.3					
GNZ	IP	18	05	15.0				D	0.6	2.26	76		4.5	4.7
	ES			46					0.2					
COB	ES	18	05	54					-0.2	2.66	225		4.0	
KAI	ES	18	06	30					-2.1	4.38	220		4.3	
GPZ	ES	18	06	42					-1.2	4.66	203		4.5	

		H	M	S			DIST	AZ	W-A	W P	W S			
FEB 20		00	56	51.1	40.32S	173.95E	64 KM	SE	0.4	AVG MAG	3.6			
				± 0.5	0.01	0.02								
					H	M	S	DIR	RFS	DIST	AZ	W-A	W P	W S
WEL	EP	00	57	12					0.2	1.15	148	3.6	3.8	4.5
	ES			27					-0.2					
TNZ	EP	00	57	12					-0.2	1.18	16		3.3	3.5
	ES			28					-0.0					
COB	EP	00	57	12					-0.6	1.20	230		3.2	
	ES			29					0.4					
TON	EP	00	57	19					0.4	1.65	48		3.2	
	ES			39					-0.0					

		H	M	S			DIST	AZ	W-A	W P	W S
FEB 22		23	33	00.7	44.44S	170.29E	12 KM	SE	1.3	AVG MAG	3.9
				± 0.7	0.07	0.09					

MAR 09		H	M	S	37.91S	177.06E	190 KM	SE	2.4	AVG MAG	65/
		00 15 19.0			0.07	0.08	11				
		+- 1.4									
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
TUA	IP	20	15	48.7	U	0.4	0.90	177	4.7		
GNZ	E			16 01			1.04	135	5.0		
	ES			07		-3.9					
WNZ	EP	20	15	48.5		0.1	1.04	226	5.6		
ECZ	EP	20	15	50	U	0.7	1.18	80	4.9		
	ES			16 14		1.2					
KRP	IP	20	15	48.7	D	-1.0	1.22	269	4.5		
	ES			16 09		-4.4					
CNZ	IP	20	15	56.0		1.3	1.77	222	4.1		
	ES			16 26		3.7					
TON	EP	20	15	57		2.2	1.77	223	3.6		
	ES			16 26		3.6					
AUC	EP	20	15	58		-0.4	2.11	299	4.1		
TNZ	EP	20	16	04		1.5	2.47	236	4.0		
	ES			42		6.1*					
ONE	EP	20	16	09		-0.3	3.05	313	4.0		
WEL	EP	20	16	19		0.1	3.82	207	5.3	4.4	
	ES			17 05		-0.1					
COB							4.63	225	4.8		
KAI	ES	20	18	01		-2.1	6.34	221	4.9		
GPZ	EP	20	16	56		0.0	6.69	209	5.4		
	ES			18 08		-3.5					
MNW	ES	20	19	43		0.9	10.56	219			
MAR 11		H	M	S	32.48S	179.69E	459 KM	SE	0.8	AVG MAG	65/
		01 54 35.8			0.06	0.11	6				
		+- 0.6									
		H	M	S	DIP	RES	DIST	AZ	W-A	W P	W S
ECZ	EP	01	56	06		-0.4	5.50	232	5.2		
	ES			57 24		6.2*					
GNZ	EP	01	56	15		0.6	6.29	192			
	ES			57 32		-0.3					
KRP	E	01	56	25			6.40	211			
	E			57 46							
TUA							6.64	197			
CNZ	EP	01	56	27		-0.2	7.50	205			
	ES			57 55		-0.3					
TON	ES	01	57	56		0.6	7.50	206	5.5		
TNZ	EP	01	56	33.5		1.4	7.95	211			
	E			58 14							
WEL	EP	01	56	49.5		-0.9	9.63	203	6.2		
	ES			58 37		-0.4					
COB							10.23	211	5.5		
KAI	ES	01	59	24		-0.3	11.98	211	5.7		
GPZ	EP	01	57	21		-0.4	12.49	204	6.1		
	ES			59 35		0.7					
MAR 12		H	M	S	42.08S	173.96E	12 KM	SE	1.6	AVG MAG	65/
		08 07 55.1			0.07	0.08	R				
		+- 0.5									
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
WEL	IPN	08	08	14.8	DSW	0.0	1.00	37	5.2		
	ESN			28		-1.2					
COB	IPN	08	08	18	W	-1.6	1.36	317	4.8		
	E			33							
GPZ	IPN	08	08	26.0		-0.4	1.88	211	4.9		
	EPG			34		0.8					
KAI	IPN	08	08	27.2	Y	-0.1	1.95	256	5.2		
TON	EPN	08	08	44		0.7	3.12	23	5.5		
	EPG			09 00		1.8					

LOCAL EARTHQUAKES

MAR 09		H	M	S	38.98S	175.98E	161 KM	SE	3.2	AVG MAG	65/ 186
		08 15 57.2			0.20	0.16	45				
		+- 4.7									
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
CNZ	IP	08	16	20.2		0.7	0.40	237			
TUA							0.93	80		3.6	4.0
KRP							1.11	342		4.3	
TNZ	EP	08	16	25		-0.5	1.26	260		3.5	3.7
GNZ	EP	08	16	31.5		2.3	1.63	79		3.9	4.4
	E			47							
	ES			51		-2.9					
WEL	EP	08	16	41.5		2.4	2.48	202	4.1	3.1	
	ES			17 14		2.7					
COB	ES	08	17	27		-1.6	3.26	229	4.1		
GPZ	ES	08	18	14		-3.0	5.33	207	4.7		
MAR 14		H	M	S	38.43S	176.52E	281 KM	SE	2.4	AVG MAG	65/ 187
		14 08 38.4			0.19	0.18	20				
		+- 3.1									
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
KRP							0.92	302		3.6	
CNZ	EP	14	09	16		-1.4	1.09	224		3.5	2.9
	ES			50		2.3					
GNZ	EP	14	09	20		1.9	1.20	101		3.7	4.2
	ES			47		-1.8					
TNZ	EP	14	09	20.5		-1.9	1.84	245		4.0	
WEL	EP	14	09	37		2.1	3.16	205	4.3	4.3	4.2
	ES			10 18		-0.9					
COB							3.95	226	3.9		
GPZ	ES	14	11	18		-0.4	6.03	208	4.5		
MAR 15		H	M	S	40.92S	172.67E	12 KM	SE	1.7	AVG MAG	65/ 188
		23 22 21.4			0.03	0.05	R				
		+- 0.7									
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
COB	IP*	23	22	25.1		-0.4	0.17	163	2.8		
	ES*			28		-0.3					
WEL	EP*	23	22	51.5		1.1	1.63	104	3.5	4.4	4.4
	ESG			23 16		-0.4					
KAI	EP	23	22	51.5		-0.9	1.86	210	3.8		
	ES			23 13		-2.3				3.6	3.7
TNZ	EP*	23	23	00		0.3	2.18	38			
	ESG			35		0.2					
GPZ	EP*	23	23	11		1.0	2.77	180	3.4		
	ESN			39		1.2					
TON	EP*	23	23	13		2.7	2.79	53	4.0		
	ES*			44		-3.0					
CNZ	EP*	23	23	12.5		2.1	2.80	53		4.0	4.0

ES*		46	-1.3					65/		
H	M	S	45.06S	167.43E	33 KM	SE	1.4	AVG MAG		
MAR 16 08 22 33.5		0.04		0.08						
+- 1.1										
	H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
MNW	IP	08	22	46.9	D	0.0	0.74	169	4.7	
	ES			56		-0.6				
ROX	IP	08	22	56.5	D	0.6	1.40	108	4.7	
	ES			23 14		1.2				
KAI	E	08	23	40			3.84	50	4.4	
	ES			24 14		1.9				
GPZ	EP	08	23	32		0.7	3.98	72	4.7	
	ES			24 13		-2.6				
COB	EP	08	23	53		0.4	5.55	46	4.5	
	ES			24 53		-0.6				
CNZ	EP	08	24	30		-0.9	8.40	49		
FELT AT ROXBURGH MM IV										
MAR 18 11 42 51.7		39.74S		174.36E		230 KM		SE 1.8		AVG MAG 3.8
+- 1.4		0.06		0.08		11				
	H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
TNZ	ES	11	43	47		0.6	0.55	2	3.8	
CNZ	EP					1.2	1.06	60	3.7	
WEL	EP	11	43	31		2.0	1.58	169	3.8	3.7
	ES			59		1.2				
COB	EP	11	43	32		0.8	1.83	222	3.5	
	ES			44 00		-1.8				
YRP	EP	11	43	32		-1.1	2.03	27	3.8	
TUA	EP	11	43	37		0.7	2.36	68	3.7	
	ES			44 12		1.1				
GNZ	EP	11	43	45		1.1	3.05	70	4.7	
	ES			44 21		-3.4				
KAI	ES	11	44	35		-0.2	3.57	218	4.1	
GPZ	EP	11	43	58		0.9	4.16	197	2.8	
	ES			44 46		-1.9				
MAR 19 13 10 11.4		41.67S		172.88E		78 KM		SE 1.5		AVG MAG 3.8
+- 0.9		0.04		0.05		14				
	H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
COB	IP	13	10	26.6		0.4	0.60	350	3.6	
	ES			37		-0.4				
KAI	EP	13	10	36.5		0.7	1.38	232	3.7	
	ES			54		-0.0				
WEL	EP	13	10	37		0.0	1.47	75	3.6	3.9
	ES			56		-0.0				
GPZ	EP	13	10	44		-0.2	2.03	185	3.5	
	ES			11 08		-0.4				
TON	EP	13	11	03		2.4	3.20	40	3.6	
	E			59						
CNZ	EP					3.20	40		3.8	
KRP	IP	13	11	13.0	D	-2.5	4.27	30	4.4	
GNZ	E	13	12	12			4.97	54		
MAR 20 08 41 51.0		42.83S		170.53E		33 KM		SE 2.2		AVG MAG 3.8
+- 1.2		0.10		0.08		R				
	H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
KAI	EP	08	42	03		-1.1	10.72	65	3.7	
	IS			14.7		1.1				
GPZ	EP	08	42	15		-3.6	1.77	120	3.5	
	ES			41		1.7				
COB	EP	08	42	28		0.9	2.39	44	3.5	
	E			43 06						
MNW	EP	08	42	44		0.2	3.61	214	3.7	

E		50	0.8					65/ 193		
ES		43 25								
H	M	S	38.44S	176.25E	124 KM	SE	1.4	AVG MAG		
MAR 22 04 58 01.1		0.04		0.05		9				
+- 0.9										
	H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
WNZ	EP	04	58	19		0.5	0.22	212		
KRP	IP	04	58	21.3	UE	-0.3	0.77	312	4.8	5.0
	ES			36		-1.3				
TUA	IP	04	58	22.0		0.2	0.79	118	4.5	4.7
	ES			37		-0.7				
CNZ	IP	04	58	24.7	U	1.6	0.94	216		4.6
TON	EP	04	58	25		1.9	0.94	216	3.7	
GNZ	IP	04	58	28.2	D	0.0	1.40	99	4.5	5.2
	E			37						
TNZ	IP	04	58	33.1	D	2.2	1.64	243		4.9
ECZ	EP					1.96	68			5.0
WEL	IP	04	58	48.3		-0.9	3.06	201	4.7	4.8 5.1
	ES			59 24		-1.7				
ONE	EP	04	58	48.5		-0.7	3.06	330	4.0	
	E			57						
COB	EP	04	58	58		-0.9	3.79	225		3.7 4.2
	ES			59 43		-0.0				
MAR 22 06 08 05.6		38.35S		176.33E		183 KM		SE 1.5		AVG MAG 5.5
+- 0.8		0.04		0.06		7				
	H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
WNZ	IP	06	08	30.0		-0.4	0.34	213		
KRP	IP	06	08	31.2	DE	-1.0	0.76	304		5.4
TUA	IP	06	08	31.9	U	-0.5	0.79	126		5.7 5.8
CNZ	IP	06	08	35.2	D	1.0	1.05	216		5.1
TON	EP	06	08	35		0.8	1.06	216	4.7	
	ES			56		-0.4				
GNZ	IP	06	08	35.8	D	-1.0	1.36	103		5.9
TNZ	IP	06	08	44	U	3.5	1.74	241		5.2 4.7
	ES			09 15		7.5*				
ECZ	EP					1.87	70			5.8
AUC	EP	06	08	42		-0.5	1.93	320		5.5
ONE	EP	06	08	55		-0.1	3.01	328	4.8	
	ES			09 32		-1.3				
WEL	IP	06	08	57.6	USE	0.5	3.17	202	6.0	5.9 5.7
	ES			09 37		0.2				
COB	EP	06	09	07		0.8	3.90	224	5.2	
	ES			54		1.0				
KAI	EP	06	09	29		0.6	5.61	220	5.8	
	ES			10 32		-0.6				
GPZ	EP	06	09	34		0.2	6.03	206	5.8	
	ES			10 40		-2.3				
ROX	EP	06	10	12		1.3	8.83	214		
	ES			11 45		-3.4				
MNW	EP	06	10	26		2.1	9.85	218		
	ES			12 12		-0.2				
USCGS EPICENTRE 06 08 05 38.1S 176.4E 118KM										
FELT WIDELY IN SOUTH OF NORTH ISLAND										
MAR 23 11 20 31.1		40.93S		172.39E		12 KM		SE 1.8		AVG MAG 4.0
+- 0.8		0.04		0.06		R				
	H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
COB	IP	11	20	34.2		-3.1	0.30	121		
KAI	EPN	11	21	00		-0.7	1.75	205	3.8	
	ESN			22		-0.5				
WEL	IPN	11	21	02.1	U	0.4	1.83	102	3.8	4.6 4.7
	ESN			25		0.8				
TNZ	EPN	11	21	10		1.7	2.32	42		3.8 3.9

Station	Time (H M S)	Depth (km)	Dir	Res	Dist (km)	Az	W-A	W-P	W-S
GPZ	11 21 22	46		3.6	2.5	2.77	176	3.5	
EPN	11 21 22	47		-0.3					
TON	11 21 23			0.0	2.97	55	4.1		
ESN	22 00			-2.0					
CNZ	11 21 19			1.5	2.98	55	4.1		
EPN	23			-0.1					
ESN	22 01			-1.2					
KRP	11 21 29.0	D		-0.4	3.87	40	4.0		
EPN	22 12			-1.6					
TUA	11 21 46			1.4	4.23	61	3.8		
EPG	51			-5.7*					
ONE	11 22 48			-2.0	5.38	17	4.3		

FELT AT COLLINGWOOD MM IV

Station	Time (H M S)	Depth (km)	Dir	Res	Dist (km)	Az	W-A	W-P	W-S
MAR 23	21 44 10.7	40.85S	172.80E	12 KM	SE	1.8	AVG MAG		65/ 199
	+- 0.7	0.05	0.07	R					
COB	21 44 13.8			-2.1	0.24	192			
WEL	21 44 36.5			-1.1	1.55	107	4.6		
ESN	58			0.5					
KAI	21 44 45			1.8	1.97	211	3.9		
ESN	45 13			1.4					
TNZ	21 44 45			0.7	2.06	37	3.9		
EPN	45 11			1.8					
TON	21 45 00			2.6	2.67	53	4.1		
ESN	34			1.5					
CNZ	21 44 51			-1.9	2.68	53	4.4		
ESN	45 20			-4.7*					
GPZ	21 44 54			-1.2	2.85	182	3.4		
EPN	45 29			0.2					
KRP	21 45 12			-1.5	3.61	37	4.2		
EPN	44			-2.9					
TUA	21 45 19			0.2	3.92	60	4.1		

FELT IN NW NELSON, MAX INTENSITY MM V

Station	Time (H M S)	Depth (km)	Dir	Res	Dist (km)	Az	W-A	W-P	W-S
MAR 24	08 24 46.0	47.50S	164.50E	33 KM	SE	ND	AVG MAG		65/ 200
	R	R	R	R					
MNW	08 25 25			-2.0*	2.75	52	4.9		
ESN	54			-4.2*					
ROX	08 25 40.5			-2.1*	3.89	60	4.5		
ESN	26 23.5			-2.5*					
GPZ	08 26 28				6.86	59	4.3		
E	27 46								
KAI	08 26 46			-0.7*	6.98	47			
E	27 49								

Station	Time (H M S)	Depth (km)	Dir	Res	Dist (km)	Az	W-A	W-P	W-S
MAR 24	17 19 50.8	49.24S	164.62E	33 KM	SE	2.2	AVG MAG		65/ 201
	+- 2.8	0.26	0.31	R					
MNW	17 20 48			-1.1	4.02	31	5.1		
ESN	21 33			-0.8					
ROX	17 21 03			1.3	4.94	42	4.8		
EPN	12			-4.6					
ESN	56			-0.1					
GPZ	17 21 42			1.4	7.84	48			
ESN	23 05			-0.6					
KAI	17 21 47			1.3	8.22	38	5.0		
EPN	22 04			-8.7*					
ESN	23 17			2.3					
E	24 14								
COB	17 23 57			0.8	9.96	38	5.0		

LOCAL EARTHQUAKES

Station	Time (H M S)	Depth (km)	Dir	Res	Dist (km)	Az	W-A	W-P	W-S
MAR 25	05 06 22.1	38.81S	175.84E	33 KM	SE	2.1	AVG MAG		65/ 199
	+- 0.7	0.06	0.04	R					
CNZ	05 06 26.0		D		0.45	210			
ESN	41			2.1					
TON	05 06 29			-2.7	0.46	210	3.1		
TUA	05 06 38			-1.4	1.03	90	4.4	4.4	
ESN	52			-0.3					
TNZ	05 06 41			-0.7	1.20	251	4.1	3.9	
ESN	58			1.6					
GNZ	05 06 53.5			0.6	1.72	85	4.4	4.3	
ESN	07 18			2.2					
ECZ	05 07 04.5			-0.1	2.41	63	4.3		
WEL	05 07 04			-4.1	2.61	198	3.7	4.6	4.2
ESN	43			0.6					
ONE	05 07 19			0.1	3.25	338	3.6		
COB	05 07 22			2.2	3.30	225	3.5		

Station	Time (H M S)	Depth (km)	Dir	Res	Dist (km)	Az	W-A	W-P	W-S
MAR 25	07 05 10.9	38.70S	175.87E	166 KM	SE	1.4	AVG MAG		65/ 200
	+- 1.4	0.06	0.05	12					
KRP	07 05 35.2		DW		0.81	341	4.6	3.7	
ES	54			-1.4					
TNZ	07 05 40			0.3	1.26	247	4.1	3.7	
ES	06 04			2.2					
GNZ	07 05 45			1.0	1.69	89	4.3	4.4	
ES	06 09			-0.5					
ECZ	07 05 52			0.6	2.34	65	4.7	4.5	
ES	06 23			0.5					
WEL	07 05 55			-1.1	2.72	198	4.2	4.8	4.6
ES	06 30			-0.6					

Station	Time (H M S)	Depth (km)	Dir	Res	Dist (km)	Az	W-A	W-P	W-S
MAR 25	11 02 25.3	41.62S	171.85E	33 KM	SE	2.5	AVG MAG		65/ 201
	+- 1.0	0.07	0.09	R					
COB	11 02 38		DIP		-2.4	0.86	52	3.6	
ESN	49			-2.5					
PAI	11 02 39.5			-2.2	0.96	199	4.1		
ESN	51.5			-2.3					
GPZ	11 03 00			1.8	2.16	164	3.4		
ESN	21			-2.1					
WEL	11 03 01			1.8	2.23	82	3.6	4.1	4.4
ESN	27			2.2					
TNZ	11 03 22			2.1	3.11	40	3.5	3.7	
ESN	57			-3.7					
CNZ	11 03 21			1.4	3.73	51	3.7	3.9	
ESN	04 21			1.8					
KRP	11 03 33.5			1.1	4.67	39	3.9	3.9	
E	04 58								
MNW	11 03 39			-0.1	5.16	215	3.4	3.7	
ESN	04 39			3.1					

FELT AT WESTPORT MM IV

Station	Time (H M S)	Depth (km)	Dir	Res	Dist (km)	Az	W-A	W-P	W-S
MAR 25	17 16 36.2	38.18S	175.74E	264 KM	SE	0.5	AVG MAG		65/ 202
	+- 0.4	0.02	0.02	4					
KRP	17 17 10.7		D		0.4	0.30	328		
ES	37			0.1					
CNZ	17 17 13.3		D		0.3	1.03	188	3.8	3.6
ES	45			3.3*					
TUA	17 17 15.0			0.4	1.27	120	4.1	4.3	
EP	44			-0.2					
ES									

		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
AUC	P	09 37	12.0			-0.8	1.69	276			
	S		48.0			0.8					
TUA	P	09 37	13.2	U		-0.1	1.77	173		5.2	5.1
	S		46.5			-1.7					
GNZ	IP	09 37	14.5	D		0.7	1.83	151		5.3	5.1
	E		44.0								
	ES		48.0			-1.0					
CNZ							2.39	206		4.5	4.5
ONE	P	09 37	17.5			-1.0	2.39	301	4.2		
	F		19.0								
	E		33.0								
	S		55.0			-2.5					
TNZ	EP	09 37	26.0	U		2.6	2.91	222		5.0	4.2
	E		38 14.0								
WEL	P	09 37	41.0	D		0.0	4.54	201	5.8	5.4	5.1
	S		38 37.0			-0.7					
							5.17	217		5.4	
COB							6.90	216		5.5	
KAI	P	09 38	12.0			2.7					
	E		39 26.0								
GPZ	P	09 38	14.0			-1.2	7.38	205		5.9	
	S		39 36.5			-2.4					
ROX	E(P)	09 38	49.0			-0.4	10.16	212			
	E		40 40.0								
MNW	P	09 39	01.7			0.1	11.15	216			
	S		41 03.0			0.4					
<p>APR 03 H M S 39.67S 174.34E 209 KM SE 1.7 AVG MAG 4.1 15 07 14.0 0.0R 0.08 10 +- 1.1</p>											
TNZ	EP	15 07	48.0	D		0.7	0.49	4			
	ES		08 09			-0.1					
CNZ							1.05	64		4.3	4.1
WEL	EP	15 07	56.3	U		1.2	1.65	169	4.3	4.2	4.1
	S		08 23.5			0.5					
COB							1.87	220		4.0	
KKP	EP	15 07	58.5	D		0.1	1.9R	29			
	E		09 03.0								
TUA	P	15 08	02.0			-0.3	2.35	69		4.5	4.1
	S		32.5			-3.1					
	F		36.0								
GNZ	P	15 08	12.0			1.8	3.05	71		5.1	4.1
	S		50.0			0.2					
KAI	S	15 08	55.0			-6.7*	3.61	217	3.9		
FCZ	E(P)	15 08	21.0			1.2	3.84	60	5.0		
	E		09 10.0								
MNW	E(P)	15 09	09.0			-2.1	7.85	217			
<p>APR 05 H M S 41.09S 178.31E 33 KM SE 1.4 AVG MAG 3.1 12 16 06.0 0.10 0.12 R +- 2.0</p>											
TUA	EP?	12 16	43.0			0.1	2.44	338		3.1	3.1
	E		17 06.0				2.45	355			
	S		10.0			-0.8					
WEL	P	12 16	46.0			-0.0	2.68	265	3.3	3.9	3.1
	S		17 14.5			-1.9					
CNZ							2.83	311		3.1	2.1
KRP	P	12 17	03.0			1.4	3.82	325			
COB	E(P)	12 17	07.0			-0.0	4.21	268			
	ES		55.0			1.2					
<p>APR 05 H M S 39.68S 174.23E 227 KM SE 1.3 AVG MAG 5.1 23 49 06.9 0.04 0.05 5</p>											

		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
TNZ	P	23 49	37.4			0.1	0.51	13		4.5	4.8
	E		38.7								
	E		52.0								
	S		50 00			-0.8					
	E		04.0								
CNZ							1.13	65		5.1	4.9
WEL	P	23 49	46.7	U		2.1	1.65	166	5.6	5.5	5.5
	F		50 10.0								
	S		15.0			1.2					
WNZ	P	23 49	47.0			1.1	1.79	55		5.1	4.9
	E		50 10.0								
	E		14.0								
COB	P	23 49	47.8	W		1.7	1.81	219	5.3		
	S		50 17.0			0.7					
KRP	P	23 49	47.7	U		-0.4	2.03	31			
	S		50 18.0			-1.9					
	E		51 01.0								
TUA	P	23 49	52.7	D		0.6	2.43	70		5.4	5.1
	F		50 19.0								
	ES		26.0			-1.1					
AUC	P	23 49	58.0			1.2	2.85	9			
GNZ	IP	23 50	00.4	D		0.6	3.12	72		5.8	5.8
	E		32.0								
	E		36.0								
	S		41.0			0.1					
KAI	P	23 50	06.6			1.7	3.55	216	5.6		
	E		16.0								
	S		48.5			-1.4					
ECZ	P	23 50	09.2			-0.0	3.91	61		6.0	5.0
	E		47.0								
	S		56.0			-1.6					
GPZ	P	23 50	13.0			0.5	4.18	196	6.0		
	S		51 02.5			-1.0					
ROX	P	23 50	46.0			0.1	6.83	210			
	I		47.0								
	E		51 29.0								
	ES		52 01.0			-2.2					
MNW	P	23 50	58.5			0.2	7.80	216			
	E		51 01.0								
	S		52 24.0			-1.5					
<p>FELT CENTRAL NORTH ISLAND MM IV, KOHURAU, NAENAE MM III</p>											
<p>APR 07 H M S 39.00S 173.83E 12 KM SE 1.8 AVG MAG 3.7 13 30 18.3 0.05 0.07 R +- 1.0</p>											
CNZ							1.35	99		3.6	4.1
KRP	P	13 30	46.5	U		-0.9	1.72	52			
	S		31 08.0			-0.9					
	S*		10.5			-1.1					
	SG		18.0			1.7					
COB	E	13 30	56.0				2.25	202	3.2		
	P*		31 00.0			2.1					
	S		21.0			-0.6					
	S*		26.0			-1.6					
WEL	P*	13 31	00.0			-0.4	2.39	163	3.4		4.3
	S		28.0			2.9					
	S*		30.0			-1.9					
	SG		32.0			-7.1*					
KAI	ES	13 32	04.0			0.6	3.97	207	3.6		
<p>FELT NEW PLYMOUTH</p>											
<p>APR 09 H M S 44.10S 176.79W 33 KM SE 2.5 AVG MAG 4.6 13 18 58.7 0.19 0.09 R +- 2.3</p>											

APR 11 00 46 51.4 42.87S 174.34E 33 KM SE 0.2 AVG MAG 2.6
 +- 0.7 0.03 0.02 R
 H M S DIR RES DIST AZ W-A W P W S
 GPZ 00 47 29.0 1.48 236 2.6
 WEL E 00 47 34.0 1.62 12 2.7
 E 36.0
 ES -0.1
 COB S 00 47 49.0 0.1 2.15 326 2.9
 KAI S 00 47 50.0 0.1 2.19 278 3.2
 S* 59.0 -0.2

APR 11 00 49 39.1 42.77S 174.18E 12 KM SE 3.0 AVG MAG 3.1
 +- 3.8 0.22 0.12 R
 H M S DIR RES DIST AZ W-A W P W S
 GPZ 00 50 04.5 -1.5 1.45 230 3.3
 WEL P 00 50 08.0 1.4 1.55 17 2.8
 P* 22.0 -3.9
 S 39.0
 E 14.0
 COB E 00 50 14.0 2.00 327 2.8
 S 35.0 -1.1
 KAI S 00 50 35.5 -2.0 2.06 276 3.1
 S* 44.0 1.5
 TNZ P 00 50 37.0 3.5 3.59 3 3.1
 S 51 17.0 2.3
 TON 3.71 17 3.5
 CNZ 3.72 17 3.1

APR 11 01 16 47.1 42.76S 174.17E 12 KM SE 2.7 AVG MAG 3.1
 +- 1.3 0.07 0.08 R
 H M S DIR RES DIST AZ W-A W P W S
 GPZ E(P) 01 17 12.0 -0.8 1.45 229 3.4
 EP* 16.0 2.9
 E 27.0
 ES 29.0 -2.8
 ESG 37.0 0.8
 WEL P 01 17 12.0 -1.9 1.54 17 3.4
 P* 15.0 0.5
 S 29.5 -4.3
 COB E 01 17 21.0 1.98 327 3.4
 S 42.5 -1.4
 E 44.5
 KAI S 01 17 43.0 -2.4 2.05 276 3.3
 S* 52.0 1.7
 TNZ (P) 01 17 44.0 2.6 3.57 3 3.6
 P* 53.0 3.6
 E 18 11.0 1.5
 S 24.0
 TON 3.70 17 3.5
 CNZ 3.71 17 3.2
 KRP E? 01 18 08.0 4.94 13
 E 58.0

APR 11 01 55 22.3 42.62S 174.10E 12 KM SE 2.3 AVG MAG 3.1
 +- 1.1 0.07 0.10 R
 H M S DIR RES DIST AZ W-A W P W S
 WEL P* 01 55 50.0 2.2 1.42 21 2.9
 S 56 03.5 -2.8
 E 13.0
 E 19.0
 GPZ P 01 55 47.5 -1.3 1.51 224 3.5
 P* 52.0 2.7

E 56 03.0
 S 05.5 -2.9
 SG 15.0 1.6
 COB E 01 55 55.0 1.84 326 3.3
 S 56 16.5 0.8
 KAI S 01 56 18.0 -1.2 1.99 272 3.8
 E 20.0
 TNZ E 01 56 26.0 3.44 4 3.3
 E 57 02.0
 TON 3.58 18 3.5
 CNZ 3.59 18 3.2 3.2
 KRP P? 01 56 33.0 -0.4 4.82 14
 S 57 29.0 1.3
 E 58 08.0

APR 11 02 06 53.0 42.67S 174.16E 12 KM SE 1.9 AVG MAG 3.5
 +- 0.8 0.04 0.04 R
 H M S DIR RES DIST AZ W-A W P W S
 WEL P 02 07 17.5 -1.2 1.45 18 3.2
 P* 21.0 2.1
 S 35.5 -2.2
 SG 41.0 -1.1
 GPZ P 02 07 18.0 -1.4 1.51 227 3.6
 P* 22.5 2.6
 E 33.0
 S 36.0 -3.0
 SG 45.0 1.0
 COB P 02 07 24.0 -0.6 1.91 326 3.2
 P* 28.0 1.3
 S 47.5 -0.4
 E 49.5
 SG 56.0 -1.4
 KAI E 02 07 29.0 2.04 273 3.5
 S 48.5 -2.5
 E 50.5
 S* 57.0 1.1
 SG 08 03.0 1.2
 TNZ P 02 07 48.0 1.9 3.48 3 3.6 3.6
 E 50.0
 S 08 29.0 2.8
 TON 3.62 17 3.8
 CNZ 3.62 17 3.6 3.5
 KRP P 02 08 04.5 -0.1 4.85 13
 E 09 02.0
 GNZ E 02 09 02.0 4.98 37 3.8

APR 12 08 47 39.6 32.77S 179.59W 166 KM SE 4.7 AVG MAG 5.0
 +- 7.7 0.50 1.41 105 R
 H M S DIR RES DIST AZ W-A W P W S
 GNZ EP 08 49 06.0 -3.7 6.18 198
 S 50 23.0 3.3
 KRP E(P) 08 49 14.0 -0.1 6.51 216
 E 32.0
 WEL S 08 51 41.0 -0.4 9.63 206 5.1
 GPZ S 08 52 46.0 -2.6 12.50 207 5.0
 MNW EP 08 51 24.0 3.5 16.31 213

APR 12 08 51 23.9 32.91S 178.02W 33 KM SE 3.1 AVG MAG 5.4
 +- 3.9 0.26 0.44 R
 H M S DIR RES DIST AZ W-A W P W S
 ECZ EP 08 52 44.0 1.2 5.54 210
 E 57
 GNZ EP 08 52 57.0 0.3 6.56 208
 E 54 14.0

ONE	EP	08 53 00.0	-1.6	6.94	244				
	E	09.0							
KRP	EP	08 53 06.0	-0.0	7.27	225				
TUN				8.17	218	5.3			
WEL	E	08 53 49.0		10.16	213	5.8			
	S	55 32.0	-1.7						
COB				11.02	220	5.4			
KAI				12.73	218	5.3			
GPZ	EP	08 54 20	-1.6	13.02	212	5.5			
	S	56 37.0	-3.5						
ROX	E	08 55 10.0		15.91	214				
	L	09 00 00.0							
MNW	EP	08 55 12.0	1.5	16.96	217				
	S	58 15.0	5.7						
	E	30.0							
USCGS	EPICENTRE	08 51 16.7	32.5S	178.1W	22KM				
APR 12	H M S	10 11 13.2	34.09S	179.07W	226 KM	SE	ND	AVG MAG	
	ND		ND	ND					
ONE	E(P)	10 12 37		0.2	5.85	240			
KRP	E(P)	10 12 39		-0.0	5.80	227			
WEL	S	10 14 52.0		-0.0	8.68	212	5.0		
GPZ	S	10 15 58.0		-0.0	11.55	211	5.0		
APR 12	H M S	10 17 16.3	32.96S	179.44W	157 KM	SE	5.0	AVG MAG	
	+-	8.1	0.33	0.83	80				
ONE	E(P)	10 18 42.0		0.2	5.85	240			
GNZ	EP	10 18 40.0		-4.4	6.04	199			
	S	19 57.0		4.1					
KRP	EP	10 18 49.0		-0.7	6.43	218			
WEL	S	10 21 16.0		0.4	9.51	207	5.2		
GPZ	S	10 22 19.0		-4.1	12.59	208	5.0		
MNW	EP	10 21 01.0		4.5	16.22	214			
APR 12	H M S	10 47 21.6	33.06S	178.20W	202 KM	SE	2.6	AVG MAG	
	+-	4.3	0.20	0.47	38				
GNZ	E(P)	10 48 53.0		-1.3	6.36	208			
	S	50 09.0		2.5					
ONE	E(P)	10 49 00.0		1.1	6.72	244			
KRP	EP	10 49 01.0		-2.2	7.95	225			
WEL	E	10 51 24.0			9.94	212	5.6		
	S	29.0		-0.9					
GPZ	S	10 52 35.0		-1.2	12.81	211	5.3		
MNW	EP	10 51 08.0		2.1	16.74	217			
APR 12	H M S	11 22 57.6	32.95S	178.78W	185 KM	SE	4.2	AVG MAG	
	+-	5.8	0.27	0.65	53				
ECZ	E(P)	11 24 17.0		1.9	5.21	204			
	E	44							
	S	25 20		4.8					
GNZ	EP	11 24 23.0		-5.6	6.24	204			
	E	25 06.0							
	S	38.0		-1.4					
ONE	E(P)	11 24 30.0		0.3	6.33	242			
	E	48.0							
KRP	EP	11 24 34.0		-1.8	6.79	221			
	E	47.0							
WEL	S	11 27 01.0		-1.5	9.78	210	5.3		
GPZ	S	11 28 08.0		-1.3	12.65	210	5.3		

MNW	EP	11 26 45.0	4.6	16.54	215				
	H M S								65/ 230
APR 12	15 13 22.6	33.21S	177.64W	33 KM	SE	3.2	AVG MAG	5.5	
	+-	5.3	0.57	0.96					
	H M S		DIR	RES	DIST	AZ	W-A	W P	W S
ECZ	E	15 14 54.0			5.45	214			
	E	15 54.0							
GNZ	EP	15 14 55.0		1.1	6.46	212			
	E	16 15.0							
KRP	EP	15 15 03.0		-1.9	7.28	228			
WEL	S	15 17 29.0		-1.6	10.07	215	5.7		
GPZ	S	15 18 35.0		-2.2	12.93	213	5.3		
ROX	E	15 17 06			15.84	216			
MNW	EP	15 17 09.0		0.4	16.90	218			
	S	20 11.0		4.2					
USCGS	EPICENTRE	15 13 14	32.7S	178.3W	11KM				
APR 12	H M S	20 26 04.5	32.58S	178.32W	204 KM	SE	4.4	AVG MAG	6.0
	+-	4.7	0.26	0.63	38				
	H M S		DIR	RES	DIST	AZ	W-A	W P	W S
ECZ	EP	20 27 28.0		-0.8	5.71	206			
	E	49.0							
	S	28 41.0		6.7					
GNZ	EP	20 27 38.0		-4.1	6.74	205			
	E	53.0							
	S	29 00.0		1.7					
ONE	EP	20 27 45.0		1.5	6.85	240			
	E	51.0							
KRP	EP	20 27 48.0		-1.7	7.32	222			
TNZ	EP	20 28 07.0		-2.7	8.86	220			
WEL	E	20 28 35.0			10.29	210	6.2		
	S	30 16.0		-5.0					
GPZ	E(P)	20 29 04.0		-0.8	13.17	210	5.8		
	S	31 22		-5.1					
ROX	EP	20 29 46.0		5.7	16.04	213			
	L	34 00.0							
MNW	EP	20 29 54.0		1.6	17.07	215			
	S	52 57.0		2.9					
USCGS	EPICENTRE	20 26 15.3	32.3S	178.5W	167KM				
APR 12	H M S	21 28 04.5	32.88S	177.93W	33 KM	SE	2.0	AVG MAG	5.9
	+-	2.4	0.15	0.29					
	H M S		DIR	RES	DIST	AZ	W-A	W P	W S
ECZ	P	21 29 26.0		1.6	5.60	210			
	E	40.0							
GNZ	P	21 29 37		-1.2	6.63	209			
	S	30 53.0		2.5					
ONE	P	21 29 44.0		0.7	7.00	243			
	E	59.0							
KRP	P	21 29 46.5		-1.2	7.34	225			
	E	30 00.0							
TNZ	P	21 30 07.0		-1.0	8.85	223			
WEL	S	21 32 14.0		-2.0	10.22	213	6.1		
GPZ	(P)	21 31 04.0		0.8	13.08	212	5.8		
	S	33 20.0		-2.7					
ROX	E	21 31 48.0			15.98	214			
	L	36 00.0							
MNW	P	21 31 52.0		-0.1	17.02	217			
	S	34 54.0		2.5					
USCGS	EPICENTRE	21 27 59	32.6S	178.0W	33KM				
APR 15	H M S	06 44 56.8	35.53S	179.35E	332 KM	SE	1.5	AVG MAG	4.5
	+-	1.7	0.12	0.13	10				

APR 19		H	M	S	38.24S	176.27E	173 KM	SE	1.2	AVG MAG	65/ 4
		+-		0.8	0.03	0.04	9				
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
TUA	P	13	09	43.3	U	1.4	0.90	130	4.2	4.2	
	S			10 02.0		-0.3					
CNZ							1.12	210		4.2	
TON							1.12	210	3.1		
GNZ	P	13	09	47.5		0.9	1.44	107	4.3	4.3	
	E			10 02.0							
	S			09.5		-1.0					
TNZ							1.76	237		3.8	
ECZ	P	13	09	51.0	D	-0.1	1.88	74	4.8	4.8	
	S			10 18.0		-0.6					
ONE	P	13	10	04.0		0.8	2.89	328	3.6		
	S			39.0		-0.8					
WEL	EP	13	10	09.0	U	1.3	3.26	200	4.5	4.9	
	S			49.0		1.1					
COB	S	13	11	04.5		1.1	3.94	223	4.3		
KAI	S	13	11	42.0		-1.6	5.67	219	4.4		
GPZ	P	13	10	44.0		-0.6	6.10	206	4.7		
	S			11 52.0		-1.9					
MNW	S	13	13	24.0		0.3	9.91	218			

APR 21		H	M	S	37.14S	177.62E	227 KM	SE	1.1	AVG MAG	65/ 4
		+-		1.1	0.06	0.05	7				
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
ECZ	P	15	53	49.0		0.5	0.92	127	4.5	4.5	
	E			59.0							
	S			54 05.0							
GNZ	P	15	53	53.0	D	0.1	1.53	168	5.1	5.1	
	E			13.0		-0.6					
	S			54 16.0		-0.3					
	S			21.0							
	E			24.0							
TUA							1.70	193	3.9	3.9	
KRP	P	15	53	55.0		-0.6	1.83	244			
	S			54 26.0		0.0					
CNZ							2.63	218	3.3	3.3	
TNZ	P	15	54	12.0		1.1	3.27	230			
WEL	P	15	54	27.5		-0.6	4.70	207	4.5	4.5	
	E			38.0							
	S			55 26.0		1.9					
COB	S	15	55	42.0		0.4	5.48	222	4.2		
KAI	S	15	56	19.0		-1.9	7.19	220	4.4		
GPZ	(P)	15	55	05.0		0.3	7.57	209	4.6		
	S			56 29.0		-0.5					
MNW	E	15	58	28.0			11.43	218			

APR 23		H	M	S	40.97S	172.45E	12 KM	SE	1.9	AVG MAG	65/ 4
		+-		0.4	0.03	0.03	R				
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
COB	PG	05	56	13.0	W	-1.3	0.24	119			
	SG			17.0		-0.9					
KAI	P	05	56	30.5		-1.8	1.74	206	4.0		
	P*			40.0		0.3					
	S			58.0		-2.0					
	S*			57 01.0		-1.8					
WEL	P*	05	56	40.0		-0.4	1.78	101	4.3	5.0	
	E			57 03.5							
	S*			05.0		1.1					
TNZ	(P)	05	56	47.0		1.0	2.32	40			
GPZ	P*	05	56	57.5		0.9	2.73	177	4.1		
	PG			57 03.0		-1.1					

	S					26.0				1.9	
	S*					34.0				1.5	
TON										2.95	54
CNZ										2.96	54
KRP	P	05	57	07.0		-0.1				3.87	39
	P*			19.0		2.9					
	S			52.0		0.7					
	S*			58 09.0		2.3					
	SG			21		1.8					
TUA	P*	05	57	18.0		-4.0	4.21	61		4.1	4.1
	PG			29.0		-5.0*					
	SG			58 25		-5.8*					
	E			43.0							
GNZ	PG	05	57	49.0		1.5	4.88	63		4.0	3.8
	S*			58 35.0		-2.1					
ROX	P*	05	57	23.0		-0.1	5.05	206			3.4
	S			58 18.0		-1.9					
	SG			59 02.0		2.9					
ONE	P*	05	57	41.0		-1.4	5.40	17		4.3	
	S			58 27.0		-1.3					
MNW	P	05	57	34.0		-1.2	5.96	215			3.8 3.6
	S			58 41.0		-0.7					
	S*			59 13.0		3.4					

FELT TADMOR, COLLINGWOOD MM IV

APR 23		H	M	S	41.46S	175.72E	12 KM	SE	1.5	AVG MAG	65/ 241
		+-		1.9	0.07	0.07	R				
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
WEL	P*	09	24	21.0		0.5	0.74	283	3.4	4.4	4.5
	S*			31.0		0.4					
TON							2.26	356			
CNZ							2.26	357		3.2	3.4
COB	S	09	25	09.0		-1.7	2.28	278	2.9		
	S*			17.0		0.1					
TNZ	P*	09	24	52.0		1.5	2.49	335		3.4	3.4
	S			25 18.0		2.1					
	SG			30.0		-0.8					
KRP	P*	09	25	07.0		-1.4	3.53	358			
	S*			54.0		-0.7					

FELT TE KOPI MMIV

APR 24		H	M	S	32.73S	178.47W	33 KM	SE	4.6	AVG MAG	65/ 242
		+-		4.5	0.20	0.51	R				
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
ECZ	P	00	05	57.0		-1.2	5.52	205		5.4	5.3
	S			07 04.0		5.1					
	T			12 36.0							
GNZ	P	00	06	08.0		-4.1	6.56	205			
	S			07 27.0		3.4					
ONE	(P)	00	06	15.0		1.3	6.67	241			
	E			28.0							
TUA	P	00	06	13.0		-5.6	7.03	209			
	S			07 37.0		2.0					
KRP	P	00	06	17.0		-2.9	7.13	222			
WEL	S	00	08	44.0		-4.3	10.11	210			
	L			10 00.0							
COB	S	00	09	05.0		-2.1	10.91	218		5.5	
KAI	S	00	09	46.0		-1.4	12.64	216		5.7	
GPZ	S	00	09	49.0		-6.2	12.98	210		5.8	
ROX	P	00	08	19.0		6.3	15.85	213			
	L			11 00.0							
MNW	P	00	08	30.0		4.8	16.88	215			
	S			11 28.0		4.9					

USCGS EPICENTRE 00 04 33 32.85 178.4W 33KM



APR 24		H M S	32.58S	177.81W	270 KM	SE 3,3	AVG MAG	65/		
		00 59 40.3	0.57	1.15	53			W-A	W P	W S
		+- 5.6								
		H M S	DIR	RES	DIST	AZ	W-A	W P	W S	
ECZ	E	01 01 10.0			5.91	209		5.0		
	S	02 20.0		2.7						
GNZ	P?	01 01 20.0		-1.1	6.94	208				
	S	02 41.0		0.9						
ONE	E	01 01 43.0			7.23	242				
TUA	P	01 01 27.0		-0.5	7.44	212				
	S	02 47.0		-4.5						
KRP	P	01 01 31.0		1.4	7.62	224				
GPZ	S	01 05 06.0		1.1	13.39	211		5.0		
APR 24		H M S	32.74S	177.45W	308 KM	SE 2,0	AVG MAG	65/		
		01 42 34.2	0.24	0.34	29			W-A	W P	W S
		+- 2.9								
		H M S	DIR	RES	DIST	AZ	W-A	W P	W S	
ECZ	E	01 44 10.0			5.93	212				
	S	45 21.0		2.4						
GNZ	P	01 44 21.0		0.2	6.95	211				
	S	45 40.0		-0.5						
TUA	P	01 44 27.0		-0.2	7.48	214				
	S	45 49.0		-3.1						
KRP	P	01 44 30.0		-0.2	7.72	226				
	S	45 58.0		0.6						
WEL	S	01 46 59.0		-1.0	10.56	214		5.5		
GPZ	S	01 48 05.0		1.8	13.42	213		5.3		
APR 24		H M S	33.12S	177.49W	279 KM	SE 1,7	AVG MAG	65/		
		02 37 17.6	0.26	0.39	22			W-A	W P	W S
		+- 2.3								
		H M S	DIR	RES	DIST	AZ	W-A	W P	W S	
ECZ	P	02 38 44.0		1.8	5.59	214		5.2		
	S	39 47.0		-1.3						
GNZ	P	02 38 52.0		-2.6	6.60	212				
	S	40 12.0		1.5						
TUA	P	02 39 01.0		-0.3	7.14	216				
	S	40 23.0		0.5						
ONE	E	02 39 08.0			7.23	246				
KRP	P	02 39 06.0		1.1	7.43	228				
	E	15.0								
WEL	S	02 41 31.0		-0.4	10.22	215		5.7		
	L	43 00.0								
COB	S	02 41 51.0		-1.0	11.14	222		5.1		
GPZ	S	02 42 36.0		0.8	13.08	213		5.3		
ROX	L	02 45 00.0			15.99	216				
MNW	E	02 41 20.0			17.05	218				
APR 24		H M S	46.31S	165.82E	91 KM	SE 0,4	AVG MAG	65/		
		10 29 15.2	0.10	0.10	13			W-A	W P	W S
		+- 0.8								
		H M S	DIR	RES	DIST	AZ	W-A	W P	W S	
MNW	P	10 29 41.0	U	0.2	1.36	68		4.7		
	S	59.0		-0.2						
ROX	P	10 29 57.0		-0.0	2.58	72		4.2		
	S	30 28.0		0.5						
GPZ	E	10 31 11.0			5.50	64		4.3		
	E	50.0								
	E	32 12.0								
KAI	S	10 31 40.0		0.2	5.51	49		4.3		
COB	S	10 32 22.0		-0.2	7.23	46		4.5		
APR 24		H M S	34.89S	179.89E	299 KM	SE 1,7	AVG MAG	65/		
		15 40 27.5	0.12	0.16	13			W-A	W P	W S
		+- 1.6								

APR 24		H M S	33.28S	177.69W	211 KM	SE 3,2	AVG MAG	65/ 248		
		00 25 25.4	0.40	0.46	39			W-A	W P	W S
		+- 3.6								
		H M S	DIR	RES	DIST	AZ	W-A	W P	W S	
ECZ	P	00 26 48.0		2.6	5.36	214		5.5	5.4	
	E	27 00.0								
	E	28 00.0								
	T	33 30.0								
GNZ	P	00 26 58.0		-0.5	6.38	212				
	E	28 11.0								
	E	20.0								
TUA	(P)	00 27 03.0		-2.4	6.92	216				
	S	28 26.0		2.6						
ONE	E	00 27 19.0			7.01	247				
KRP	P	00 27 05.0		-4.1	7.20	228				
	S	28 32.0		2.0						
WEL	S	00 29 33.0		-1.7	9.99	215		6.1		
KAI	S	00 30 34.0		-1.0	12.61	220		5.6		
GPZ	S	00 30 39.0		-1.5	12.85	213		5.8		
ROX	E	00 29 08.0			15.76	216				
MNW	P	00 29 14.0		3.9	16.82	218				
USCGS	EPICENTRE	00 25 14.8		32.5S	177.9W	33KM				
APR 25		H M S	33.01S	177.88W	246 KM	SE 2,6	AVG MAG	65/ 249		
		02 45 44.4	0.28	0.38	25			W-A	W P	W S
		+- 3.2								
		H M S	DIR	RES	DIST	AZ	W-A	W P	W S	
ECZ	E	02 47 12.0			5.51	211		5.1	5.0	
	S	48 14.0		2.7						
GNZ	P	02 47 19.0		-0.7	6.53	209				
	S	48 36.0		1.7						
ONE	E	02 48 27.0			6.98	245				
TUA	P	02 47 24.5		-1.8	7.05	213				
	S	48 46.0		-0.1						
KRP	P	02 47 27.0		-2.1	7.27	226				
	S	48 52.0		0.9						
WEL	S	02 49 53.0		-3.2	10.13	213		5.9		
KAI	S	02 50 56.0		1.0	12.72	219		5.3		
GPZ	S	02 50 59.0		-2.1	12.99	212		5.6		
MNW	P	02 49 32.0		3.7	16.94	217				
USCGS	EPICENTRE	02 45 39.1		32.6S	178.0W	33KM				
APR 28		H M S	37.30S	177.18E	248 KM	SE 1,8	AVG MAG	65/ 250		
		06 31 56.6	0.10	0.07	9			W-A	W P	W S
		+- 1.6								
		H M S	DIR	RES	DIST	AZ	W-A	W P	W S	
ECZ	P	06 32 33.0	D	0.4	1.16	110		4.6	4.5	
	S	33 01.0		0.5						
KRP	P	06 32 33.5	U	-1.2	1.44	244				
	S	33 01.0		-2.9						

STATION	TYPE	TIME	COORDINATES	MAGNITUDE	DEPTH	AVG MAG	W-A	W-P	W-S
GNZ	P	06 32 36.2	D 1.1 1.50 154	4.6	5.1				
	E	33 02.5							
	S	05.5	0.8						
TUA	P	06 32 36.3	U 1.1 1.51 181	4.2	4.4				
	S	33 03.0	-1.8						
	E	17.0							
TNZ	P	06 32 50.0	1.6 2.90 229	3.9	3.1				
	S	33 32.0	3.4						
WEL	P	06 33 05.3	-0.3 4.40 204	5.0	5.2	5.1			
	S	59.0	-0.3						
COB	S	06 34 16.0	0.9 5.12 221	4.5					
KAI	S	06 34 53.0	-0.8 6.85 219	4.9					
GPZ	(P)	06 33 41.0	-0.3 7.26 207	5.3					
	S	35 01.0	-2.3						
APR 29 11 28 18.1 32.87S 178.22W 254 KM SE 3.0 AVG MAG 6.1									
++ 2.8 0.19 0.36 19									
ECZ	P	11 29 40.7	U 0.2 5.49 208	6.4	6.1				
	I	44.7							
	E	30 39.0	5.0						
	S	50.0							
	T	33 59.0							
GNZ	P	11 29 52.0	-1.4 6.52 207						
	E	56.0							
	S	31 09.0	1.0						
ONE	P	11 29 55.0	E -1.7 6.79 243						
AUC	P	11 30 00.0	D 0.6 7.00 233						
	E	06.5							
TUA	P	11 29 57.0	-2.6 7.01 211						
	E	30 00.0							
	S	31 19.0	-0.2						
	E	27.0							
KRP	P	11 30 00.6	U -1.0 7.17 224						
TON			8.09 217	5.6					
TNZ	(P)	11 30 23.0	2.1 8.69 221						
	E	41.0							
WEL	P	11 30 38.3	U -0.2 10.09 212	6.4					
	E	32 24.0							
	S	26.0	-3.0						
KAI	S	11 33 30.0	3.1 12.65 217	5.8					
GPZ	(P)	11 31 14.0	-0.4 12.96 211	6.3					
	S	33 29.0	-4.8						
ROX	E	11 32 34.0	15.84 214						
	S	34 34.0	-3.7						
MNW	P	11 32 04.0	3.2 16.88 216						
	S	35 03.0	3.8						
USCGS EPICENTRE 11 28 19.1 32.5S 179.1W 64KM									
APR 29 22 32 05.7 32.04S 178.28W 33 KM SE 4.1 AVG MAG 5.5									
++ 7.0 0.52 0.71 R									
ECZ	(P)	22 33 51.0	DIR RES DIST AZ W-A W-P W-S						
	S	34 48.0	17.2+ 6.21 204						
	E	6.3							
GNZ	(P)	22 33 48.0	0.3 7.25 204						
	E	55.0							
	S	35 03.0	-3.5						
	E	11.0							
TUA	P	22 33 54.0	0.1 7.71 208						
	E	34 06.0							
	S	35 20.0	2.4						
KRP	E	22 34 04.0	7.76 219						
WEL	S	22 36 27.0	-3.4 10.78 209	5.9					
	L	38 00.0							
COB	S	22 36 49.0	0.5 11.56 216	5.4					

STATION	TYPE	TIME	COORDINATES	MAGNITUDE	DEPTH	AVG MAG	W-A	W-P	W-S
KAI	S	22 37 31.0	2.4 13.29 215	5.3					
GPZ	S	22 37 32.0	-5.0 13.66 209	5.6					
USCGS EPICENTRE 22 32 04.9 32.6S 177.4W 33KM									
APR 30 20 38 16.1 37.98S 176.41E 183 KM SE 1.3 AVG MAG 4.4									
+- 0.9 0.05 0.04 8									
	H M S	DIR	RES	DIST	AZ	W-A	W-P	W-S	
KRP	P	20 38 41.5	-0.8	0.69	274				
	ES	39 02.0	-0.5						
TUA	P	20 38 45.0	0.6	1.02	145	4.3	4.3		
	S	39 07.0	0.7						
TON				1.40	209	2.7			
GNZ	IP	20 38 48.0	D 0.0	1.44	118	5.2	4.9		
	S	39 12.0	-0.6						
ECZ	P	20 38 49.0	-1.7	1.72	81	5.1	4.6		
	E	53.0							
	S	39 18.0	0.5						
	E	24.0							
ONE	(P)	20 39 04.0	1.6	2.74	323				
WEL	P	20 39 12.5	0.3	3.54	200	4.3	4.4		
	S	57.0	1.6						
KAI	S	20 40 49.0	-1.7	5.94	218	4.5			
MAY 01 08 37 24.6 37.81S 176.48E 222 KM SE 2.4 AVG MAG 5.3									
+- 1.6 0.07 0.07 14									
	H M S	DIR	RES	DIST	AZ	W-A	W-P	W-S	
KRP				0.75	281				
MNZ	EP	08 37 58	1.9	0.87	200	5.1	5.0		
	ES	38 24	3.5						
GNZ	IP	08 38 02.8	U 2.5	1.47	125	5.9	5.8		
	ES	25	-3.0						
CNZ				1.57	207	4.8	4.7		
TON				1.57	208	4.6			
ECZ	IP	08 38 03.2	1.4	1.65	87	6.0	6.0		
	ES	28	-2.6						
AUC	IP	08 38 01.8	D -0.1	1.65	305	5.2	5.1		
	IS	31.0	0.3						
TNZ				2.14	229	4.8	4.4		
ONE	EP	08 38 12	0.1	2.65	320	4.6			
	ES	45.5	-3.1						
WEL	IP	08 38 25.7	1.4	3.71	200	5.8	5.4	6.1	
	ES	39 10	-0.6						
COB	EP	08 38 36	3.7	4.37	220	5.4			
	ES	39 24	-0.9						
KAI	ES	08 40 02	-2.0	6.10	218	5.6			
GPZ	EP	08 39 00	-0.0	6.56	205	6.2			
	ES	40 12	-2.5						
MAY 02 23 21 32.5 44.34S 166.74E 33 KM SE 2.5 AVG MAG 4.5									
+- 4.5 0.18 0.21 R									
	H M S	DIR	RES	DIST	AZ	W-A	W-P	W-S	
MNW	IP	23 21 57.2	U -0.0	1.57	157	5.0	4.9		
	ES	22 14	-1.9						
ROX	EP	23 22 07	1.7	2.15	123	4.5	4.5		
	ES	32	1.9						
KAI	E	23 22 57		3.86	64	4.0			
GPZ	ES	23 23 21	-1.7	4.31	83	4.2			
MAY 03 19 58 07.2 38.24S 176.36E 196 KM SE 2.1 AVG MAG 4.7									
+- 1.8 0.09 0.07 13									

		H	M	S	DIR	RES	DIST	AZ	W-A	W-P
WNZ	EP	19	58	34		0.2	0.44	207		
KRP	IP	19	58	34.2	D	-0.8	0.72	296	4.6	
	ES			53		-3.4				
TUA	EP	19	58	37		1.3	0.84	133	4.4	
	ES			58		0.3				
CNZ							1.15	213	4.2	
GNZ	EP	19	58	41		1.4	1.37	108	4.5	
	ES			59 04		-0.7				
ECZ	IP	19	58	44.1	D	0.3	1.81	73	5.4	
	ES			59 11		-1.1				
TNZ	EP	19	58	46		2.2	1.81	238	4.3	
	ES			59 16		3.9				
WEL	IP	19	59	01.3	D	0.7	3.28	201	4.8	5.0
	ES			42		0.2				
KAI	ES	20	00	35		-1.8	5.71	220	4.8	
GPZ	ES	20	00	44		-2.7	6.13	206	5.4	

FELT AT WELLINGTON MM III

MAY 07 23 08 07.1 31.57S 179.09E 33 KM SE 2.0 AVG MAG 4.7
 +- 4.7 0.22 0.33 R

		H	M	S	DIR	RES	DIST	AZ	W-A	W-P
ECZ	ES	23	10	43		2.0	6.13	184		
KRP	E	23	10	19			6.98	204		
GNZ	E	23	10	10			7.11	187		
	ES			11 02		-2.6				
TUA	EP	23	09	51		-0.1	7.40	192		
	ES			11 12		0.6				
CNZ							8.14	200		
WEL	ES	23	12	20		-0.5	10.30	199	5.7	
GPZ	ES	23	13	27		0.6	13.13	201	5.3	

INTERPRETATION DOUBTFUL

MAY 08 12 50 49.0 32.44S 179.73W 499 KM SE 2.9 AVG MAG 5.2
 +- 3.5 0.42 0.99 41 R

		H	M	S	DIR	RES	DIST	AZ	W-A	W-P
ECZ	EP	12	52	22.5		1.7	5.43	195	5.2	
	ES			53 38		4.6				
GNZ	EP	12	52	29		-1.7	6.46	196		
	ES			53 47		-4.4				
KRP	EP	12	52	33		-0.2	6.71	214		
TUA	EP	12	52	34.5		-0.1	6.85	201		
	ES			53 57		-1.4				
CNZ							7.76	208		
WEL	EP	12	53	06		-0.2	9.87	205	5.6	
	ES			54 56		0.4				
GPZ	ES	12	55	52		1.3	12.74	206	5.3	

MAY 09 03 57 07.7 39.93S 174.20E 12 KM SE 2.6 AVG MAG 4.4
 +- 0.9 0.08 0.09 R

		H	M	S	DIR	RES	DIST	AZ	W-A	W-P
CNZ							1.27	56		
WEL	IPN	03	57	33.1	U	0.1	1.43	163	3.7	4.4
	ESN			52		0.3				
COB	EPN	03	57	36		0.6	1.61	223	3.9	
	EPG			44		3.7				
	ESN			56.5		0.6				
XRP	EPN	03	57	43		-1.0	2.25	28	3.9	
	ESN			58 11		-0.0				
TUA	EPN	03	57	47		-1.1	2.55	65	4.0	
	ESN			58 23		4.5				
GNZ	EPN	03	57	55		-2.3	3.23	68	4.2	
	ESN			58 34		-0.7				
KAI	ESN	03	58	33		-4.5	3.34	218	4.3	

LOCAL EARTHQUAKES

		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S
GPZ	ESN	03	58	43		-9.0*	3.94	197	4.7		
											65/ 260
MAY 10		16	21	50.4		40.14S 175.11E	12 KM	SE	1.6	AVG MAG	4.0
						0.05					
						0.05					
CNZ											
TNZ											
WEL	EPN	16	22	11		-1.4	1.18	193	3.8	4.6	4.7
	ESN			28		-0.7					
COB	EPN	16	22	26		2.2	2.04	241	3.7		
	FSN			50		1.5					
TUA	EPN	16	22	25		0.9	2.06	51		3.9	3.8
	ESG			23 00		-0.0					
KRP	EPN	16	22	26		-0.4	2.23	9		4.2	4.2
	ESN			51		-2.2					
GNZ	FSG	16	23	23		1.4	2.71	58			3.7
GPZ	ESN	16	23	35		-1.2	4.00	207	3.9		

FELT AT OKOIA MM IV

MAY 11 07 57 51.2 37.13S 179.68E 137 KM SE 2.5 AVG MAG 4.9
 +- 2.6 0.10 0.17 14 R

		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S
ECZ	EP	07	58	15		-0.5	1.06	238		5.2	5.3
	ES			35		0.8					
GNZ	IP	07	58	27.0		1.1	2.00	220		4.9	4.9
	ES			48		-4.4					
TUA	EP	07	58	35		1.2	2.61	229		4.8	4.9
	ES			59 10		3.7					
KRP	EP	07	58	43		-0.9	3.39	255		4.9	
	ES			59 24		-0.2					
CNZ							3.86	236		4.3	4.1
AUC	EP	07	58	51		-0.1	3.93	272		5.3	
ONE	EP	07	58	57		-1.6	4.49	286	4.7		
WEL	EP	07	59	21		7.1*	5.64	221	5.1	4.6	4.9
	E			08 00 12							
	ES			19		1.0					
COB	ES	08	00	47		3.6	6.69	232	4.8		
KAI	ES	08	01	22		-1.1	8.34	227	4.9		
GPZ	ES	08	01	24		-2.3	8.47	217	5.3		

MAY 11 08 12 40.0 39.40S 174.80E 150 KM SE ND AVG MAG 3.8
 R

		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S
KRP	ES	08	13	33		-1.3*	1.58	22			
WEL	EP	08	13	14		-0.1*	1.88	181	3.6	4.3	4.0
	ES			40		-0.3*					
TUA	ES	08	13	41		-0.1*	1.92	73			3.4
COB	ES	08	13	47		-2.4*	2.31	223	3.5		
GNZ	ES	08	13	53		-3.4*	2.62	74			3.8

MAY 12 13 58 10.5 38.76S 175.61E 183 KM SE 2.1 AVG MAG 4.3
 +- 1.6 0.06 0.07 15 R

		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S
CNZ							0.44	186			
KRP	IP	13	58	38.3	UW	0.7	0.84	356		4.8	
	ES			58		-0.5					
TNZ							1.05	246		3.9	3.6
TUA	EP	13	58	43		2.6	1.21	93		3.7	4.0
	E			46							
	ES			59 03		-0.5					
GNZ	EP	13	58	48.5		1.5	1.89	87		4.2	4.1
	ES			59 12		-3.1					
WEL	IP	13	58	56.8		1.6	2.60	194	4.8	5.0	4.9

		H	M	S	DIP	RES	DIST	AZ	W-A	W-P
MNW	IP	15	26	51.9	U	-2.2	2.55	38		4.8
	ES		27	23		-0.1				
ROX	EP	15	27	05		-3.3	3.58	51		4.5
	ES		49			0.6				
GPZ	EP	15	27	51		2.6	6.54	54	4.7	
KAI	ES	15	29	06		0.3	6.79	41	4.8	
WEL	ES	15	30	05		-1.9	9.35	49		
CNZ	EP	15	28	56		4.0	11.33	44		

MAY 18 23 22 56.9 41.40S 171.36E 57 KM SE ND AVG MAG 5.1
 ND ND ND

		H	M	S	DIR	RES	DIST	AZ	W-A	W-P
COB	ES	23	23	31		0.0	1.08	74	3.2	
KAI	E(P)	23	23	17		0.0	1.12	178	3.2	
	ES			32		0.0				
GPZ	ES	23	24	05		0.0	2.48	158	2.9	

FELT AT WESTPORT MMII

MAY 18 23 28 20.6 33.09S 179.43W 399 KM SE 2.1 AVG MAG 5.1
 +- 1.7 0.13 0.20 15

		H	M	S	DIR	RES	DIST	AZ	W-A	W-P
ECZ	E(P)	23	29	45		3.1	4.88	199		5.7
	ES		30	44		-1.7				
ONE	EP	23	29	48		-3.4	5.79	241	3.8	
GNZ	IP	23	29	52.3		-0.5	5.92	200	5.5	
	E			56						
	ES		31	04		-1.3				
AUC	EP	23	29	55		0.6	6.06	230		
KRP	EP	23	29	57.5		0.0	6.33	219		
	E			59						
	E		30	54						
	ES		31	18		4.3				
TUA	EP	23	29	56		-1.6	6.34	205		
	E			59						
	ES		31	13		-1.0				
CNZ	IP	23	30	09.8	U	1.1	7.33	212		
	E			10.1						
	E		31	28						
TNZ	EP	23	30	17		2.0	7.88	218		
	ES		31	52		6.8*				
WEL	EP	23	30	32		-0.5	9.40	208	6.3	
	ES		32	18		1.1				
COB	ES	23	32	31		-1.5	10.14	216	5.9	
KAI	EP	23	31	01		-0.2	11.88	215	5.8	
	ES		33	07		-2.2				
GPZ	EP	23	31	06		0.3	12.27	208	6.4	
	ES		33	19		1.6				

USCGS EPICENTRE 23 28 15.6 32.6S 179.4W 365KM

MAY 20 02 03 29.2 40.63S 176.36E 12 KM SE 1.8 AVG MAG 5.1
 +- 0.6 0.03 0.05

		H	M	S	DIR	RES	DIST	AZ	W-A	W-P
WEL	IPN	02	03	53.0	UNE	-0.9	1.38	241	5.4	5.3
	EPG		04	01		3.8				
	ESN			10		-2.2				
CNZ	IPN	02	03	57.0	D	0.7	1.56	336		
TON	EPN	02	03	58		1.7	1.56	336	5.0	
	FSN		04	17		0.7				
TUA	EPN	02	04	00		-1.0	1.91	19	4.9	
	E			13						
WZ	EPN	02	04	02.5		0.4	2.00	354	5.6	
TNZ	IPN	02	04	04.8	U	1.4	2.10	313	5.2	
	EPG			13		1.3				

		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S
GNZ	EPN	02	04	05		-2.0	2.36	33		4.7	5.7
	E			15							
	E			24							
KRP	IPN	02	04	12.0	DE	-0.8	2.77	346		5.5	
COB	EPN	02	04	13		-0.1	2.79	259	5.3		
	ESN			45		-1.1					
ECZ	IPN	02	04	20.0	U	-1.0	3.38	31		5.3	5.4
	E			45							
	ESN			59		-1.0					
AUC	IPN	02	04	29.8	D	1.1	3.96	341		5.5	
GPZ	EPN	02	04	35		4.0*	4.13	221	5.8		
	ESN		05	19		0.9					
KAI	EPN	02	04	31		-0.6	4.17	241	5.6		
	EPG			54		0.3					
	ESN		05	16		-3.1					
ONE	EPN	02	04	46		2.0	5.09	341	5.1		
	E			05	23						
	ESG		06	19		-1.9					
ROX	EPN	02	05	11		0.4	7.08	224			
	ESN		06	25		-3.7					
MNW	EPN	02	05	25		-0.5	8.20	228			
	ESN		06	53		-2.5					

FELT IN SOUTHERN HALF OF NORTH IS
 MAXIMUM INTENSITY MM IV

MAY 20 20 37 41.2 45.14S 167.63E 103 KM SE ND AVG MAG 6.4
 R R R

		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S
MNW	IP	20	37	58.8		0.1*	0.64	181			
ROX	IP	20	38	07.0	D	2.0*	1.24	106			
	IS			25		2.1*					
KAI	EP	20	38	38		-0.7*	3.78	48			
	E			40							
	E			53							
GPZ	EP	20	38	39.0		-0.9*	3.87	70	6.4		
	I			41.5							
	I			39	16.2						
	I			21.5							
COB	EP	20	39	02		-0.2*	5.51	44	6.4		
	S		40	02		-2.8*					
WEL	EP	20	39	13.8		-1.8*	6.48	56	6.3		
	E			16.0							
	IS		40	23.5		-5.1*					
TNZ	EP	20	39	33		-0.3*	7.78	42			
	E			36							
	S		40	59		-1.3*					
CNZ	EP	20	39	41.7		0.7*	8.35	47			
	E			46.1							
	E			53.7							
	S		41	18.5		4.2*					
KRP	P	20	39	54.6		0.4*	9.33	42			
TUA	EP	20	39	53		-3.5*	9.50	52			
	E			40	06						
	E			14							
	E			41	32						
AUC	EP	20	40	02		0.5*	9.88	36			
	E			08							
	E			14							
	E			27							
	ES		41	49		-2.1*					
GNZ	EP	20	40	03		-1.6*	10.10	54			
	E			07							
	E			41	48						
	ES			58		1.4*					
ONE	EP	20	40	13.4		1.3*	10.66	31			

E 42 02
 MCQ IP 20 40 15.4 0.1* 10.91 208
 ECZ EP 20 40 17.0 -0.4* 11.06 52
 ES 42 14 -5.5*

FELT IN SOUTHERN HALF OF SOUTH IS
 MAXIMUM INTENSITY MM V

MAY 20 H M S 44.88S 167.46E 33 KM SE 2.7 AVG MAG 4.9
 +- 3.3 0.14 0.18 R
 MNW IP 23 11 13.2 U -0.4 0.91 173 5.0
 ES 24 -1.2
 ROX IP 23 11 21.7 D 0.8 1.44 115 4.7
 ES 40 1.8
 KAI EP? 23 12 15 3.70 52 4.0
 E 13 07
 GPZ EP 23 11 57 2.3 3.91 74 2.7
 ES 12 35 -3.2

KAIMATA READINGS TOO EMERGENT FOR CONFIDENT IDENTIFICATION

MAY 21 H M S 35.20S 179.05E 342 KM SE 1.4 AVG MAG 4.6
 +- 1.8 0.09 0.16 R
 ECZ EP 02 21 42 -0.2 2.52 189 4.7
 E 22 11
 GNZ IP 02 21 52.1 D 0.6 3.54 193 4.8
 E 22 33
 ONE EP? 02 21 54 -0.8 3.86 260 4.5
 TUA EP 02 21 55 -0.2 3.91 202 4.2
 ES 22 47 -1.6
 KRP EP 02 21 55 -0.4 3.92 225 4.1
 CNZ EP 02 22 07 1.4 4.87 214 3.8
 ES 23 09 1.9
 GPZ EP 02 24 51 -0.9 9.82 208 5.1
 ES

MAY 21 H M S 47.60S 166.47E 33 KM SE 2.0 AVG MAG 4.2
 +- 1.8 0.15 0.16 R
 MNW IP 15 55 04.2 D -1.5 1.99 24 5.5
 ES 29 0.3
 ROX IP 15 55 20.4 U 2.3 2.90 44 5.3
 ES 52 1.2
 GPZ EP 15 56 01 3.0 5.83 50 5.6
 E 09.5
 E 59
 E 57 47
 KAI E 15 55 54 6.16 36 5.5
 E 56 01
 ES 57 11 1.1
 COB EP 15 56 27 1.1 7.91 37 5.4
 ES 57 51 -0.6
 WEL EP? 15 56 33 -3.0 8.66 46 5.4
 ES 58 07 -2.7
 CNZ EP 15 57 03 0.3 10.68 41
 E 59 11
 KRP EP 15 57 16 -0.4 11.74 38
 E 59 23
 TUA EP 15 57 23 6.5* 11.74 45
 E 59 34
 GNZ E 15 57 15 12.29 47
 E 35.5
 ES 59 34 -1.0
 USCGS EPICENTRE 15 54 20.2 48.5S 166.7E 33KM

H M S 36.09S 178.15W 33 KM SE 3.3 AVG MAG 4.9
 +- 3.6 0.24 0.31 R
 ECZ EPN 18 41 47.5 2.4 3.10 238
 GNZ EPN 18 41 59 1.9 3.98 229 5.0 5.0
 E 42 49
 TUA IPN 18 42 09.1 D 3.1 4.62 233 5.0 4.8
 ESN 43 01 3.9
 KRP EPN 18 42 14 -2.1 5.38 248 4.4
 CNZ EPN 18 42 24 1.0 5.89 236
 EP* 41.5 0.1
 ES* 43 59.5 1.4
 ONE EPN 18 42 22 -3.7 6.08 271 4.7
 WEL E 18 42 55.5 7.59 225 5.3
 E 43 24.5
 ESN 44 05 -3.3
 GPZ ESN 18 45 10 -4.6 10.38 220 5.3
 USCGS EPICENTRE 18 41 08 35.6S 179.6W 33KM

MAY 21 H M S 35.42S 177.88W 267 KM SE 1.9 AVG MAG 4.6
 +- 2.8 0.17 0.29 R
 ECZ EP 19 31 18 -2.6 3.66 231 4.6 4.8
 E 56
 ES 32 07 -1.3
 GNZ EP 19 31 32.5 1.1 4.59 224 4.2 4.5
 ES 32 30 2.4
 TUA EP 19 31 40 1.2 5.21 228 4.0 4.4
 ES 32 41 0.1
 ONE EP? 19 31 53 0.5 6.33 265 4.3
 WEL E? 19 33 11 8.22 222 5.4
 ES 47
 GPZ ES 19 34 51 -0.3 11.03 219 5.2

MAY 22 H M S 37.30S 177.52E 227 KM SE 2.9 AVG MAG 4.2
 +- 2.9 0.16 0.14 R
 ECZ EP 05 27 00.5 0.2 0.90 116 5.0 4.4
 ES 22 -3.3
 GNZ IP 05 27 05.1 U 1.4 1.39 164 4.6 4.8
 ES 32 0.8
 TUA EP 05 27 06 1.2 1.53 191 4.0 4.2
 ES 33.5 0.4
 KRP EP 05 27 05 -1.3 1.69 248 3.8
 ES 33 -2.6
 CNZ EP 05 27 16.5 2.9 2.45 219 3.3 3.2
 ES 53.5 4.7
 WEL EP 05 27 39 1.1 4.51 207 4.5 4.5 4.2
 ES 28 31 -1.0
 GPZ ES 05 29 33 -4.3 7.39 209 4.8

MAY 22 H M S 36.08S 178.89W 209 KM SE 1.8 AVG MAG 4.6
 +- 2.1 0.13 0.19 R
 ECZ EP 09 04 51 -1.1 2.61 231 4.9 4.8
 ES 05 27 -0.8
 GNZ EP 09 05 03 -0.1 3.55 223 4.8
 TUA EP 09 05 12 1.3 4.17 228 4.7 4.4
 ES 06 03 2.1
 KRP EP 09 05 17 -2.0 4.83 246 4.5
 CNZ EP 09 05 27 0.6 5.40 233 4.1 3.7
 ES 06 28 -0.9

ONE	EP	09 05 27	-0.4	5.49	271	4.6			
TNZ	EP	09 05 39.5	3.2	6.18	238				
WEL	ES	09 07 10	-0.2	7.19	222	5.3			
GPZ	ES	09 08 14	-1.6	10.01	218	5.1			
MAY 22									
	H M S	36.32S	178.27W	215 KM	SE	2.4	AVG MAG		
	±	0.18	0.52	20					
ECZ	EP	22 15 22	-1.6	2.89	241	5.1			
	ES	59	-3.1						
GNZ	EP	22 15 34	-0.2	3.75	231	4.8			
	ES	16 21	0.9						
TUA	EP	22 15 43	1.2	4.40	234	4.8			
	ES	16 37	2.5						
KRP	EP	22 15 48.5	-3.4	5.20	250	4.5			
CNZ	EP	22 15 59	1.0	5.68	238	4.3			
	E	16 10							
	E	17 35							
ONE	EP	22 16 02	-0.0	5.99	273	4.7			
TNZ	EP?	22 16 11	2.7	6.49	242				
	F	21							
WEL	ES	22 17 40	-2.1	7.35	226	5.3			
	E	18 33							
GPZ	ES	22 18 45	-1.3	10.13	221	5.1			
MAY 22									
	H M S	36.70S	178.22W	196 KM	SE	6.2	AVG MAG		
	±	0.50	0.54	169					
ECZ	EP	23 27 36	-5.2	2.77	248	4.9			
	ES	28 10	-7.7						
GNZ	EP	23 27 48	-2.6	3.56	236	4.8			
	F	28 07							
	E	30.5							
TUA	EP	23 27 56	-3.1	4.23	239	4.7			
	E	28 03							
	ES	42	-7.5						
KRP	EP	23 28 02	-8.5	5.13	254	4.3			
CNZ	EP	23 28 14	-1.6	5.52	241	4.1			
	ES	29 12	-7.1						
ONE	EP	23 28 21	-1.7	6.07	277	4.7			
TNZ	EP	23 28 27.5	1.1	6.36	245				
WEL	ES	23 29 53	-3.7	7.13	228	5.2			
GPZ	ES	23 30 58	-2.8	9.88	222	5.1			
MAY 24									
	H M S	37.90S	176.56E	276 KM	SE	2.0	AVG MAG		
	±	0.13	0.13	15					
KRP	IP	06 24 10.7	-2.5	0.81	268	4.2			
TUA	EP	06 24 16	1.8	1.02	153	3.9			
	ES	44	0.0						
GNZ	EP	06 24 18	1.5	1.37	123	4.1			
	ES	45	-2.6						
CNZ	EP	06 24 17	-0.5	1.52	211	2.9			
	ES	52	2.6						
ECZ	EP	06 24 19	1.1	1.59	83	4.4			
	ES	50	-0.2						
WEL	ES	06 25 25	-0.8	3.66	202	4.0			
GPZ	ES	06 26 26	-0.5	6.51	206	4.6			
MAY 24									
	H M S	40.24S	173.77E	33 KM	SE	3.9	AVG MAG		
	±	0.09	0.12	R					

LOCAL EARTHQUAKES

TNZ	ESN	09 01 37		2.1	1.15	24		3.4	
COB	EPN	09 01 21		0.3	1.16	223	3.5		
	ES*	42		3.4					
WEL	IPN	09 01 24.0	D	1.5	1.29	144		4.0	4.2
	ES*	46		3.4					
TON	ES*	09 01 53		-2.2	1.71	53	3.0		
CNZ	EPN	09 01 27		-1.5	1.72	53		3.3	3.3
	ESN	49		0.3					
GPZ	ESN	09 02 26		-7.4	3.55	193	4.4		
MAY 24									
	H M S	31.77S	179.27W	471 KM	SE	1.8	AVG MAG	65/ 286	5.4
	±	0.21	0.41	19					
ECZ	EP	19 55 00		1.1	6.18	196			
	E	56 10							
	ES	17		0.8					
GNZ	EP	19 55 09		-0.6	7.21	197			
	ES	56 35.5		-0.1					
KRP	EP	19 55 13		0.6	7.48	213			
TUA	ES	19 56 41.5		-1.7	7.61	202			
CNZ	EP	19 55 21		-2.8	8.53	208			
	E	32		2.8					
	ES	57 04		-1.3	8.54	208	5.2		
TON	ES	19 57 00		1.5	10.64	205	5.5		
WEL	EP	19 55 48							
	E	57		-0.7					
	ES	57 42		0.3	13.51	206	5.3		
GPZ	ES	19 58 39							
MAY 25									
	H M S	39.06S	175.02E	216 KM	SE	1.1	AVG MAG	65/ 287	3.6
	±	0.07	0.07	7					
TON	ES	06 07 12		-0.6	0.43	109	5.1		
CNZ	P	06 06 51	D	0.6	0.43	109			
	ES	07 13		0.3					
TNZ	EP?	06 06 51		0.3	0.51	256		3.5	
TUA	EP	06 06 57		-1.5	1.68	82		3.6	3.5
	ES	07 26		-1.1					
WEL	EP	06 07 05		1.0	2.23	185	3.5	4.0	3.9
	ES	37		0.3					
GNZ	EP	06 07 05.5		-0.0	2.38	81		4.0	3.7
	ES	41		1.5					
GPZ	ES	06 08 34		-0.8	4.96	200		3.3	
MAY 25									
	H M S	36.50S	178.07W	33 KM	SE	2.2	AVG MAG	65/ 288	4.9
	±	0.13	0.12	R					
ECZ	EPN	17 24 31		2.2	3.77	234		4.9	4.9
GNZ	EPN	25 17		6.1*					
TUA	EPN	17 24 39		1.1	4.44	237		4.8	4.9
	ESN	25 30		2.9					
	ES*	49		-0.1					
KRP	EPN	17 24 45		-4.5	5.30	253		4.5	
CNZ	EPN	17 24 54		-1.3	5.73	240		4.5	4.1
	E	25 07							
	ES*	26 27		-0.7					
TON	E	17 25 01			5.73	240	5.1		
	ES*	26 30		2.0					
AUC	EPN	17 24 57		1.2	5.76	264		5.0	
	E	25 04							
ONE	EPN	17 25 01		-0.3	6.17	274	4.9		
TNZ	EPN	17 25 08		1.5	6.55	244			

	F		16						
	ES*		26 53		0.5				
WEL	EPN		17 25 18		0.8	7.35	227	5.6	
	EP*		42		1.1				
	ESN		26 38		1.0				
	E		27 29						
COB	ESN		17 27 01		-3.9	8.52	235	5.1	
GPZ	E		17 26 06			10.11	222	5.3	
	ESN		27 42		-0.7				
KAI	ESN		17 27 40		-2.8	10.11	230	5.3	
USCGS	EPICENTRE		17 23 41.0			35.8S	179.4E	31KM	
MAY 26	H M S		06 42 53.4			36.02S	179.19W	33 KM SE 2.0	AVG MAG
	+-		2.4			0.12	0.21		
	H M S	DIR		RES	DIST	AZ	W-A	W-P	W-S
ECZ	IPN		06 43 31.5	U	1.0	2.47	227		
GNZ	EPN		06 43 44		0.3	3.43	219		
TUA	EPN		06 43 53		1.2	4.03	225		
	E		44 50						
WNZ	E(P*)		06 44 07		-5.8*	4.57	234		
KRP	IPN		06 43 58.4		-1.7	4.63	244		
AUC	EPN		06 44 08		3.8	4.93	258		
ONE	EPN		06 44 06		-2.3	5.24	271		
	E		07.2						
CNZ	EPN		06 44 08		-0.4	5.25	231		
TNZ	EPN		06 44 19		0.4	6.00	236		
	E		25						
WEL	EPN		06 44 31		-2.0	7.07	220		
	E		42						
	E		45 01						
	ESN		51		1.1				
	E		46 41						
COB	E		06 45 19			8.10	229		
	ESN		46 15		0.5				
KAI	E		06 45 22			9.76	225		
	ESN		46 52		-2.0				
USCGS	EPICENTRE		06 42 53.9			35.7S	180.0E	33KM	
MAY 26	H M S		06 55 42.5			36.31S	178.73E	33 KM SE 1.4	AVG MAG
	+-		3.0			0.09	0.41		
	H M S	DIR		RES	DIST	AZ	W-A	W-P	W-S
ONE	EPN		06 56 35		0.3	3.57	277		
CNZ	EPN		06 56 18			3.83	220		
	EPN		39		0.8				
TNZ	EPN		06 56 46		-1.2	4.49	229		
WEL	ESN		06 58 10		0.1	5.85	211		
	INTERPRETATION DOUBTFUL								
MAY 26	H M S		08 33 24.0			36.04S	179.03W	33 KM SE 2.0	AVG MAG
	+-		2.3			0.12	0.21		
	H M S	DIR		RES	DIST	AZ	W-A	W-P	W-S
ECZ	EPN		08 34 03		0.7	2.55	229		
GNZ	EPN		08 34 16		0.7	3.51	221		
	E		33						
TUA	EPN		08 34 23		-0.6	4.11	227		
	ESN		35 22		12.7*				
KRP	EPN		08 34 30		-2.2	4.74	245		
AUC	EPN		08 34 39		2.5	5.06	259		
	E		49						
CNZ	EPN		08 34 39		-1.2	5.34	232		
ONE	EPN		08 34 39		-1.7	5.37	271		
	E		46						
TNZ	EPN		08 34 50		-0.6	6.10	237		
WEL	EPN		08 35 07		2.4	7.14	221		

	ESN		36 22		-0.2				
COB	ESN		08 36 50		2.8	8.19	229	5.0	
KAI	E		08 37 35			9.84	226	5.4	
GPZ	E		08 35 50			9.97	217	5.4	
	ESN		37 27		-2.6				
USCGS	EPICENTRE		08 33 26.5			35.7S	179.9E	48KM	
MAY 26	H M S		14 03 22.2			35.73S	179.55W	230 KM SE 1.2	AVG MAG 65/ 292
	+-		1.3			0.07	0.11	10	4.5
	H M S	DIR		RES	DIST	AZ	W-A	W-P	W-S
ECZ	EPN		14 04 09		0.8	2.48	217		
	ESN		43		-0.8				
	E		05 15						
GNZ	EPN		14 04 19		-0.6	3.49	213		
TUA	EPN		14 04 25.5		-0.7	4.04	220		
	ESN		05 18		2.2				
KRP	EPN		14 04 31		-0.8	4.50	240		
	ESN		05 25		-1.0				
ONE	EPN		14 04 38		0.7	4.95	268		
CNZ	EPN		14 04 40		-0.6	5.21	227		
TNZ	EPN		14 04 51		1.3	5.93	233		
	E		05 02						
WEL	ESN		14 06 25		0.0	7.11	217		
	E		07 13						
GPZ	ESN		14 07 30		-0.5	9.96	215		
MAY 26	H M S		22 00 14.4			34.25S	179.26W	254 KM SE 2.6	AVG MAG 65/ 293
	+-		2.7			0.15	0.27	30	5.5
	H M S	DIR		RES	DIST	AZ	W-A	W-P	W-S
ECZ	EP		22 01 18		0.7	3.87	207		
	E		21.2						
GNZ	EP		22 01 30		0.4	4.90	206		
	ES		02 24		-4.3				
TUA	EP		22 01 37		1.5	5.39	211		
	ES		02 43		4.0				
ONE	P		22 01 33.1	E	-3.2	5.45	252		
AUC	IP		22 01 38.5	U	1.4	5.51	240		
KRP	EP		22 01 39.5		1.5	5.58	227		
CNZ	EP		22 01 45		-3.9	6.46	219		
	ES		02 53		-10.0*				
TNZ	EP		22 01 59		2.1	7.09	224		
WEL	EP		22 02 14		-0.3	8.46	212		
	ES		03 48		-0.3				
COB	ES		22 04 09		1.4	9.32	221		
GPZ	EP		22 02 51		0.5	11.33	211		
	ES		04 52		-1.5				
USCGS	EPICENTRE		22 00 11.2			33.5S	179.8E	102KM	
MAY 27	H M S		18 12 24.1			37.45S	177.92E	171 KM SE 1.6	AVG MAG 65/ 294
	+-		1.6			0.10	0.13	14	4.2
	H M S	DIR		RES	DIST	AZ	W-A	W-P	W-S
ECZ	EP		18 12 48		-0.2	0.56	116		
	E		51						
	ES		13 05		-1.8				
GNZ	EP		18 12 53.6		0.9	1.19	176		
	E		13 09						
	ES		16		1.3				
TUA	EP		18 12 56		0.6	1.48	204		
	ES		13 20		0.5				
KRP	EP		18 12 59		-1.2	1.95	255		
CNZ	EP					2.55	226		
TON	EP		18 13 09		1.5	2.56	226		
TNZ	EP		18 13 18		1.6	3.28	237		
WEL	EP		18 13 31		-1.6	4.54	212		

		H	M	S			DIR	RES	DIST	AZ	W-A	W-P	W-S
MAY 27		23	59	39.7	50.23S	166.94E	R		33 KM	SE	5.9	AVG MAG	
		+-		0.58	0.64								
MNW	EP	24	00	43.5			DIR	-0.7	4.47	6		4.7	
	E		01	22									
	ES			29.5				-4.2					
ROX	EP	24	00	53				1.4	5.02	19		4.3	
	ES		01	52				5.1					
GPZ	E	24	01	36					7.61	33		5.1	
	ES		02	43				-6.0					
	E		03	01									
KAI	ES	24	03	10				4.5	8.30	24		5.1	
MAY 29		23	45	34.5	38.60S	176.00E	R		188 KM	SE	2.3	AVG MAG	
		+-		2.9	0.11		0.17						
		H	M	S	DIR	RES		DIST	AZ	W-A	W-P	W-S	
CNZ	ES	23	46	21		-0.9		0.69	211			3.7	
TON	EP	23	46	01.0		-0.6		0.70	211		3.0		
	ES			24		-0.3		0.77	331			3.9	
TUA	ES	23	46	24		-0.3		0.92	103				
TNZ	EP	23	46	08		1.6		1.39	245			3.8	
	ES			44		12.9*							
WEL	EP	23	46	24		1.7		2.84	199		3.7	4.4	
	ES		47	01		1.9							
KAI	ES	23	47	53		-0.2		5.25	220		4.3		
GPZ	ES	23	48	00		-3.2		5.68	205		4.1		
MAY 30		07	31	48.9	39.15S	176.42E	R		129 KM	SE	2.1	AVG MAG	
		+-		1.7	0.14		0.08						
		H	M	S	DIR	RES		DIST	AZ	W-A	W-P	W-S	
TUA	EP	07	32	11		1.8		0.66	60			3.7	
	ES			22		-2.7							
CNZ	EP	07	32	09		-0.2		0.68	265			3.4	
	ES			28		3.1							
TON	EP	07	32	09		-0.3		0.68	265		2.7		
	ES			23		-2.0							
GNZ	EP	07	32	16		0.3		1.35	69			4.7	
	ES			36		-0.1							
TNZ	EP	07	32	17		-1.3		1.58	268			3.7	
WEL	EP	07	32	31		1.5		2.48	210		3.6	4.1	
	ES			33 03		2.7							
KAI	ES	07	34	01		-1.2		5.08	227		4.2		
GPZ	ES	07	34	08		-0.9		5.36	211		4.3		
MAY 31		00	01	17.8	36.00S	178.67E	R		33 KM	SE	2.7	AVG MAG	
		+-		2.8	0.12		0.15						
		H	M	S	DIR	RES		DIST	AZ	W-A	W-P	W-S	
ECZ	EP	00	01	55		-3.0		1.70	183			4.9	
	ES			29		0.5							
TUA	EP	00	02	01		-2.0		3.05	203			4.6	
	ES			35		-2.4							
KRP	EP	00	02	06		1.5		3.16	232			4.1	
	ES			40		0.0							
AUC	ES	00	02	34		-8.3*		3.25	254			4.1	
ONE	EP	00	02	11		1.9		3.50	272		4.2		
	ES			45		-3.4							
CNZ	EP	00	02	17		0.5		4.04	217			3.9	
	ES			03 04		2.5							
TON	E	00	02	27				4.05	217		4.2		
	E			03 36									

		H	M	S			DIR	RES	DIST	AZ	W-A	W-P	W-S
MAY 31		17	11	03.9	42.38S	172.49E	R		33 KM	SE	2.5	AVG MAG	65/ 299
		+-		0.7	0.06		0.07						
		H	M	S	DIR	RES		DIST	AZ	W-A	W-P	W-S	
KAI	EP	17	11	18		-0.3		0.81	259			3.6	
	ES			31		2.1							
COB	EP	17	11	23		-2.0		1.30	8		2.9		
	ES			38		-2.9							
GPZ	EP	17	11	23		-2.2		1.32	175		3.4		
	E			32.5									
	ES			41		-0.3							
WEL	EP	17	11	35		0.1		2.02	58		3.6	4.2	4.4
	ES			12 00		1.7							
MJZ	EP	17	11	37.0		-0.1		2.18	222			3.9	3.5
	E			12 16									
TNZ	EP	17	11	56		0.9		3.50	25			4.1	3.9
	E			12 49									
TON	E	17	12	38				3.93	37		4.0		
	ES			40		-4.8							
CNZ	EP	17	12	04		2.9		3.93	37			4.0	3.8
	ES			49		4.1							
KRP	EP	17	12	16		0.1		5.03	29			4.1	
	ES			13 12		0.7							
MAY 31		23	37	07.4	43.23S	171.30E	R		12 KM	SE	3.1	AVG MAG	65/ 300
		+-		0.7	0.06		0.09						
		H	M	S	DIR	RES		DIST	AZ	W-A	W-P	W-S	
KAI	E	23	37	15		0.71		0.71	7			4.7	
MJZ	IPN	23	37	25.1	U	-1.5		0.97	218				
	ESN			44		3.2							
GPZ	IPN	23	37	27.3	N	-0.9		1.08	116		4.6		
	ESN			43.5		-0.0							
COB	EPN	23	37	42		-3.6		2.39	27		4.7		
	ESN			38 11		-3.1							
ROX	EPN	23	37	49		-0.3		2.65	212			5.1	5.1
	EPG			57		-4.1							
	ESG			38 36		-0.9							
WEL	EPN	23	37	55		-2.0		3.23	54		4.8	5.1	5.2
	E			58									
	ESN			38 32		-2.4							
	E			40									
MNW	EPN	23	38	03		0.1		3.66	225			4.9	4.7
	EP*			15.5		4.4							
	ESN			54		9.1*							
TNZ	EPN	23	38	15.5		-0.9		4.66	31			5.0	4.8
	E			32.5									
	ESN			39 09.5		0.4							
	ESG			44		-0.5							
TON	E	23	38	27				5.14	40		5.3		
	ESN			39 29		8.4*							
CNZ	EPN	23	38	22		-0.9		5.15	40			4.8	
	E			26									
	ESN			39 27		6.3							
KRP	IPN	23	38	36.2	D	-0.8		6.21	33				
	E			39 40									
TUA	EPN	23	38	45		7.3		6.25	47				
	E			39 07									
	E			40 06									
GNZ	E(p*)	23	39	02		-3.7		6.85	50				
	ESN			40 05		3.6							
AUC	EPN	23	38	47		0.6		6.90	24				

		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S	
		54										
		40 17										
		41 36										
ONE	EPN	23	38	59.5	1.0	7.81	19	5.1				
		40 23										
		-1.3										
USCGS EPICENTRE		23	37	09.2	42.9S	17	.3E	33KM				
FELT ON W COAST OF SOUTH IS												
JUN 02		16	30	08.5	38.38S	176.30E	33 KM	SE ND	AVG MAG			
		ND ND ND ND										
		H M S DIR RES DIST AZ W-A W-P W-S										
WNZ	IP*	16	30	16.0	D	0.0	0.29	211				
KRP	ESN	16	30	32	-0.0	0.75	307					
TUA	ESN	16	30	33	-0.0	0.79	123					
		E 35										
FELT WAIRAKEI MM V												
JUN 02		19	58	12.4	37.87S	176.30E	220 KM	SE 1.1	AVG MAG			
		U.06 0.04 7										
		H M S DIR RES DIST AZ W-A W-P W-S										
KRP	EP	19	58	42.3	-0.0	0.60	264	4.2				
		59 05 -0.5										
TUA	EP	19	58	46.1	0.7	1.15	145	4.4				
		59 12 0.9										
GNZ	IP	19	58	49.3	0.6	1.56	120	4.8				
		59 15.5 -1.2										
ECZ	EP	19	58	50	-0.7	1.79	85	4.7				
		59 29										
WEL	EP	19	59	12	1.2	3.61	199	4.4	4.3			
		56 -0.0										
COB	ES	20	00	11	1.4	4.24	220	4.2				
KAI	ES	20	00	47	-1.7	5.97	217	4.5				
GPZ	FS	20	00	59	-0.7	6.45	204	4.9				
MJZ	ES	20	01	25	0.1	7.54	214					
JUN 06		09	26	14.7	39.20S	175.21E	153 KM	SE 1.7	AVG MAG			
		0.06 0.06 8										
		H M S DIR RES DIST AZ W-A W-P W-S										
TON	EP	09	26	37	1.4	0.25	90	3.7				
		52 0.4										
CNZ	IP	09	26	37.2	U	1.5	0.26	90				
		52 0.3										
TNZ						0.65	271	4.0				
KRP	IP	09	26	43.2	E	0.4	1.30	11	4.2			
		27 03 -1.3										
TUA	EP	09	26	47	1.6	1.56	76	4.1				
		27 03										
WEL	IP	09	26	52.9	USW	1.2	2.11	189	4.3	4.8		
		27 21 0.9										
GNZ	EP	09	26	54	0.5	2.26	77	4.1				
		55										
		27 14										
		22 -1.3										
COB	ES	09	27	31	-1.5	2.68	224	4.4				
ECZ	EP	09	27	04	0.9	3.02	61	5.1				
		39 -1.1										
KAI	EP	09	27	24	2.9	4.40	220	4.4				
		28 09 -3.3										
GPZ	EP	09	27	26	-1.6	4.89	202	4.7				
		28 18 -5.8*										
JUN 06		20	44	53.9	37.47S	176.81E	243 KM	SE -2.4	AVG MAG			
		0.17 0.23 27										
		H M S										
		+- 3.5										

		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S	
KRP	EP	20	45	28	-1.1	1.11	245		3.8			
TUA	EP	20	45	34	3.1	1.37	169		3.9	4.2		
		59 -0.5										
ECZ						1.40	100		4.5	4.4		
GNZ	EP	20	45	32	-0.0	1.52	141		4.5	4.6		
		36.5										
		56										
		46 00										
TON	E	20	46	09	-1.4		2.00	210		3.0		
		25										
WEL	EP	20	45	59	-0.5	4.13	202	4.4	4.0	4.5		
		46 53 2.5										
GPZ	ES	20	47	52	-2.1	6.98	206	4.9				
INTERPRETATION DOUBTFUL												
JUN 08		07	45	49.5	32.59S	179.15W	487 KM	SE 3.4	AVG MAG			
		U.3R 0.54 30										
		+- 4.1										
		H M S DIR RES DIST AZ W-A W-P W-S										
ECZ	EP	07	47	24	3.4	5.43	200		5.0	5.4		
		48 26										
		37 4.3										
GNZ	EP	07	47	29	-1.8	6.46	200					
		48 29 -2.1										
		57										
KRP	EP	07	47	34	-1.0	6.87	218					
		49 00 1.4										
TUA	E	07	47	48	-4.0	6.89	205					
		48 55										
WEL	EP	07	48	06	-1.5	9.95	208	5.9				
		49 55 -2.5										
COB	ES	07	50	12	0.1	10.68	215					
GPZ	ES	07	50	57	3.7	12.82	208	5.6				
JUN 08		15	03	34.2	42.64S	179.13E	33 KM	SE 1.9	AVG MAG			
		0.09 0.10 R										
		+- 2.2										
		H M S DIR RES DIST AZ W-A W-P W-S										
WEL	EPN	15	04	27	1.2	3.53	291	4.0	4.1	4.3		
		05 05 -0.3										
GNZ	EPN	15	04	34	0.6	4.08	348		4.6	4.3		
		42 -3.3										
		05 17 -1.8										
TUA	EPN	15	04	34	0.1	4.11	338		4.5	4.2		
		49										
		05 20 0.4										
CNZ	EPN	15	04	39	1.5	4.38	320		4.1	3.6		
		05 27 1.0										
TON	EPN	15	04	40	2.5	4.38	320		3.2	3.3		
		05 31 4.9*										
GPZ	ESN	15	05	35	-2.7	4.86	255	4.1				
		4.99 312										
KAI	ESN	15	05	59	0.9	5.70	269	4.4				
MJZ	E	15	05	14		6.47	255					
JUN 09		15	54	55.2	32.65S	178.64W	297 KM	SE 1.4	AVG MAG			
		0.09 0.16 14										
		+- 1.2										
		H M S DIR RES DIST AZ W-A W-P W-S										
ECZ	EP	15	56	21	1.6	5.54	204		5.5	5.6		
		57 26 0.5										
GNZ	EP	15	56	32	0.1	6.57	203					
		57 46 -1.8										
		52.5										
ONE	EP	15	56	30.5	-1.5	6.58	240	5.3				
AUC	EP	15	56	37	1.6	6.85	230					

STATION	EP	H	M	S	RES	DIST	AZ	W-A	W P	W S
TUA	EP	15	56	36	-1.6	7.03	208			
	ES		57	58	0.0					
	E		58	05						
KRP	EP	15	56	38.5	0.2	7.10	220			
CNZ	EP	15	56	48	-2.2	8.06	214			
	F		57	52						
	ES		58	23	2.5					
TON	EP	15	56	51	0.7	8.06	214	5.2		
	F		58	36						
TNZ	EP	15	56	58	0.7	8.64	219			
	F		58	48						
WEL	EP	15	57	13.5	-1.9	10.10	210	6.2		
	ES		59	06	-0.1					
COB	F	15	57	37		10.89	217	5.8		
	ES		59	22	-1.5					
KAI	ES	16	00	01	-0.9	12.62	216	5.8		
GPZ	EP	15	57	52	1.3	12.98	209	6.2		
	ES	16	00	10	0.2					
MJZ	EP	15	58	06	0.9	14.17	214			
	ES	16	00	37	1.0					

USCGS EPICENTRE 15 54 52.4 31.9S 179.5W 168KM

JUN 11		H	M	S	RES	DIST	AZ	W-A	W P	W S
		08	32	15.0	40.61S 174.34E	128 KM	SE 2.1			
					0.05					
					0.06					
					12					
WEL	IP	08	32	37.8	U 2.0	0.75	155	3.8	4.4	
	ES			51	-0.7					
COB	F	08	32	41		1.31	248	3.9		
	ES			33 05	3.6					
TNZ	IP	08	32	42.4	D -0.1	1.42	1		4.4	
	ES			33 00	-3.4					
TON	EP	08	32	47	1.6	1.68	34	3.6		
	ES			33 09	0.5					
CNZ	EP	08	32	47.2	D 1.7	1.68	34	3.8		
	ES			33 09	0.3					
TUA	F	08	33	09		2.81	51	3.6		
	ES			34	-0.3					
KRP	EP	08	33	01.5	1.1	2.83	19	4.3		
	E			26						
	ES			33	-1.8					
KAI	ES	08	33	35	-1.8	2.92	228	3.9		
GPZ	EP	08	33	08	1.1	3.34	202	4.6		
	ES			43	-3.4					
GNZ	EP?	08	33	09	0.6	3.45	57	3.8		
	ES			48	-1.1					

JUN 11		H	M	S	RES	DIST	AZ	W-A	W P	W S
		20	22	14.7	39.02S 177.25E	33 KM	SE 1.0			
					0.04					
					0.04					
					R					
TUA	IP	20	22	20.7	D -1.1	0.23	340			
	ES			26	-0.9					
GNZ	EP	20	22	28.5	0.8	0.71	58	4.0		
CNZ	EP	20	22	36.4	0.2	1.34	262	3.8		
	ES			52	-0.5					
TON	EP	20	22	37	0.7	1.34	262	3.0		
	ES			54	1.4					
TNZ	EP	20	22	49	0.4	2.24	265	3.6		
WEL	ES	20	23	31	-0.9	2.96	219	3.9		

JUN 12		H	M	S	RES	DIST	AZ	W-A	W P	W S
		00	23	24.6	41.23S 174.31E	12 KM	SE 1.9			
					0.04					
					0.05					
					R					

STATION	EPN	H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
WEL	EPN	00	23	37.7	USE	0.8	0.35	99	4.4		
	ESN			46		0.2					
COB	IPN	00	23	45.2	E	-1.7	1.20	276	4.3		
	ESN			59		-4.4					
TNZ	EPN	00	23	58		-0.1	2.04	2		4.7	4.0
	ESN			24 25		2.2					
TON	EPN	00	24	00		-0.7	2.23	25	4.7		
	ESN			29		1.5					
CNZ	EPN	00	24	00.6		-0.2	2.24	25		4.6	
KAI	EPN	00	24	05		0.2	2.52	238	4.6		
	ESN			37		2.0					
GPZ	EPN	00	24	07		-1.0	2.75	206	4.6		
	ESN			35		-5.6*					
WNZ	E(PG)	00	24	22		-2.1	2.94	29		5.0	4.8
	ESN			46		1.0					
TUA	EPN	00	24	12.5		-2.2	3.26	43		4.6	4.7
	E			29							
	ES*			25 04		-0.2					
KRP	IPN	00	24	160		-1.1	3.43	16		4.8	4.6
	ESN			57		0.3					
GNZ	EPN	00	24	20		-2.7	3.85	49		4.3	4.7
	EPG			35		-7.5*					
	E			49							
MJZ	EPN	00	24	25.5		1.4	3.95	225		4.7	4.7
	E			30.7							
	ESN			13		3.8					
AUC	E	00	25	21			4.38	5		4.2	5.2
	ES*			40		2.1					
	ESG			53		0.7					

FELT FROM WANGANUI TO NORTHERN MARLBOROUGH
MAX INTENSITY MM IV

JUN 12		H	M	S	RES	DIST	AZ	W-A	W P	W S
		14	08	50.5	39.09S 176.25E	120 KM	SE 2.2			
					0.11					
					0.07					
					18					
TUA	IP	14	09	11.0	D 0.3	0.76	69		4.6	4.2
	ES			25	-1.1					
KRP	IP	14	09	12.9		1.29	334		4.2	
TNZ	EP	14	09	19		1.0	1.46	266	4.5	
	ES			40	1.2					
GNZ	IP	14	09	19.4	D 1.4	1.46	73		5.3	4.6
	ES			38	-0.8					
WEL	EP	14	09	33.5		2.8	2.47	207	4.1	
	ES			10 03	2.0					
GPZ	ES	14	11	08	-2.0	5.34	209	4.8		
MJZ	EP	14	10	27		1.5	6.54	220		
	ES			11 37	-2.1					

JUN 13		H	M	S	RES	DIST	AZ	W-A	W P	W S
		13	12	40.2	41.17S 174.14E	33 KM	SE 2.6			
					0.06					
					0.06					
					R					
WEL	IP	13	12	49.7	UNE -0.4	0.49	104		3.7	
	ES			59	1.7					
COB	EP	13	12	56		2.0	1.06	274	3.7	
	ES			13 11	-0.3					
TNZ	EP	13	13	09		-1.7	1.99	5		3.7
	ES			37	3.2					
TON	EP	13	13	14		-0.1	2.24	29	3.6	
	ES			41	1.2					
CNZ	EP	13	13	12		-2.2	2.24	29		3.8
KAI	E	13	13	21			2.45	236	3.4	
	ES			47	2.0					
GPZ	ES	13	13	49		-3.5	2.76	203	3.4	

		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S
KRP	EP	13	13	28		-2.3	3.42	19			3.9
	F			44							
	ES			14		-0.6					
MJZ	EP	13	13	42		5.0	3.91	223			
		14	26								
JUN 13		18	47	29.5	33.98S	176.87W	169 KM	SE 2,6			AVG MAG 5.1
		+- 2.0		0.21	0.23	30					
ECZ	EP	18	48	47		-0.3	5.25	224			5.2
	ES			49		9.5*					
GNZ	EP	18	48	58.5		-1.5	6.21	220			
	ES			50		5.6					
TUA	EP	18	49	05		-2.9	6.81	223			
	ES			50		-1.6					
KRP	EP	18	49	11		-3.5	7.30	235			
	ES			50		-0.3					
ONE	EP	18	49	19		3.0	7.42	254	4.9		
	F			55							
CNZ	EP	18	49	21		-2.9	8.01	227			
	ES			50		-1.2					
TUN	EP	18	49	27		3.0	8.02	227	5.3		
	ES			50		0.6					
TNZ	EP	18	49	32		-1.5	8.74	231			
WEL	EP	18	49	47		-1.0	9.85	220	6.2		
	ES			51		-0.4					
COR	ES	18	51	59		-1.5	10.87	226	5.8		
KAI	EP	18	50	28		5.1	12.54	224			
	ES			52		1.6					
GPZ	EP	18	50	26		1.5	12.67	217			
	ES			52		-0.4					
MJZ	EP	18	50	42		0.5	14.01	221			
	ES			53		-2.1					
USCGS EPICENTRE		18	47	19	32.7S	177.7W	33KM	MAG 5.0			
JUN 13		23	06	57.3	47.28S	162.99E	144 KM	SE 2,3			AVG MAG 4.7
		+- 4.1		0.77	0.43	51					
MNW	EP	23	07	53		1.0	3.53	66			4.7
	ES			08		1.0					
ROX	EP	23	08	07		-1.0	4.73	70			4.6
	ES			09		-1.5					
MJZ	E	23	08	42			6.19	61			
	ES			09		-1.4					
GPZ	E	23	09	03			7.67	66	5.0		
	F			42							
	ES			10		1.9					
	F			54							
JUN 14		05	40	36.1	44.84S	167.53E	33 KM	SE 2,1			AVG MAG 3.8
		+- 2.3		0.10	0.13	R					
MNW	IP	05	40	51.9		-0.4	0.94	176			4.0
	ES			41		-0.2					
ROX	EP	05	41	00		1.3	1.41	117			3.4
	ES			16		0.3					
MJZ	EP	05	41	10.3		-0.2	2.27	69			3.3
	ES			39		2.4					
GPZ	ES	05	42	12		-3.1	3.85	74	3.8		
JUN 14		19	31	13.3	39.81S	174.20E	147 KM	SE 3,0			AVG MAG 4.1
		+- 2.1		0.11	0.12	26					

		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S
WEL	EP	19	31	45.8		2.4	1.54	164	3.8	4.2	4.4
	ES			32		1.5					
COR	EP	19	31	46		0.9	1.70	221	3.8		
	ES			32		0.4					
KRP	ES	19	32	17		-1.9	2.15	29			
TUA	ES	19	32	27		0.5	2.50	67		3.9	
GNZ	ES	19	32	41		-1.3	3.19	70			4.3
KAI	EP	19	32	11		4.0	3.44	217	3.8		
	ES			45		-3.1					
GPZ	ES	19	32	58		-4.6	4.06	196	4.4		
MJZ	EP	19	32	29		1.1	5.02	212		3.6	
JUN 15		04	13	36.8	44.57S	167.46E	33 KM	SE 1,5			AVG MAG 4.3
		+- 1.8		0.08	0.10	R					
MNW	IP	04	13	58.7		-0.1	1.22	175			4.8
	ES			14		1.2					
POX	EP	04	14	03		-1.0	1.60	125		4.3	4.4
	ES			22		-1.0					
MJZ	EP	04	14	12		-0.7	2.24	76		3.8	3.9
	ES			40		1.6					
FELT AT MILFORD SOUND MM III											
JUN 15		09	20	31.6	37.93S	177.52E	33 KM	SE 1,9			AVG MAG 6.0
		+- 11.7		0.04	0.05	R					
GNZ	IPN	09	20	46		2.0	0.81	151			
ECZ	IPN	09	20	46.7		0.2	0.85	74			
TUA	IPN	09	20	49.3		1.8	0.92	198			
WYZ	EPN	09	20	54.3		1.4	1.37	238		5.6	5.9
	FSN			21		8.1*					
KRP	EPN	09	20	56		-0.4	1.57	270			
CNZ	IPN	09	21	04.2		1.9	2.00	230			
TUN	EPN	09	21	04		1.6	2.01	230	5.4		
AUC	IPN	09	21	08.2		-0.0	2.43	295			5.9
TNZ	IPN	09	21	15.6		2.8	2.76	242			6.1
ONE	IPN	09	21	19.7		-0.8	3.32	309	5.4		
	ES*			22		-0.4					
WEL	EPN	09	21	27.4		-1.8	3.97	212	6.7	6.0	
	EP*			39		-1.8					
	FSN			22		0.6					
	ES*			34		1.3					
COR	EPN	09	21	41		-0.4	4.86	228	6.2		
	E			47							
	FSN			22		4.0					
GPZ	EPN	09	22	06		-2.2	6.84	211	6.5		
	E			11							
	ESN			23		-3.6					
MJZ	FPI	09	22	23.0		-1.5	8.06	219			
	ESN			23		-6.8*					
ROX	EPN	09	22	45		-1.4	9.71	217			
	ESN			24		-2.1					
MNW	EPN	09	22	59		-1.3	10.76	220			
	E			23							
	FSN			24		0.2					
WIDELY FELT IN N ISLAND. MAX INTENSITY MM V ON BAY OF PLENTY COAST											
JUN 15		11	26	26.8	37.04S	178.29E	187 KM	SE 1,5			AVG MAG 4.7
		+- 1.5		0.06	0.09	11					

		H	M	S	DIP	RES	DIST	AZ	W-A	W P	W S
TUA	EP	11	27	06.5		-0.0	1.98	207		4.7	
	ES			35		-0.6					
WNZ	EP	11	27	12		1.4	2.35	227		4.8	
KRP	EP	11	27	10		-0.8	2.36	247			
AUC	ES	11	27	53		0.0	2.82	273		4.1	
ONE	EP	11	27	22		-1.5	3.41	291	4.1		
	ES			28 00		-5.6*					
TNZ	EP	11	27	31		3.3	3.76	234		4.9	
	E			33							
WEL	EP	11	27	43		-1.3	5.05	212	5.2		
	ES			28 43		0.3					
GPZ	ES	11	29	49		-1.2	7.92	211	5.1		
MJZ	EP	11	28	38		0.1	9.14	218			
	E			41							
	ES			30 19		0.2					
JUN 15											
	H	M	S								
	19	26	13.9		37.95S	177.94E	125 KM	SE	3.0	AVG MAG	65/ 324
					0.14	0.21	23				2.9
ECZ	IP	19	26	33.4	D	0.5	0.54	62		5.4	
	ES			47		-0.5					
TUA	EP	19	26	36		-1.3	1.06	216		4.0	
	ES			56		0.9					
KRP	EP	19	26	43		-3.8	1.90	270			
	F			27 02							
TON	EP	19	26	56		4.5	2.26	236	3.6		
TNZ	EP	19	27	05		3.0	3.05	245		4.0	
ONE	EP	19	27	09		-0.2	3.60	306	3.8		
WEL	E	19	27	23		4.14	215		4.3		
	ES			28 02		-2.4					
MJZ	EP	19	28	11.5		-0.7	8.27	221			
JUN 16											
	H	M	S								
	01	57	36.9		45.51S	166.66E	33 KM	SE	2.2	AVG MAG	65/ 325
					0.10	0.18	R				4.2
MNW	IP	01	57	49.9	D	-0.2	0.72	112		4.7	
	ES			59.5		-0.2					
ROX	EP	01	58	06		0.2	1.87	90		4.8	
	ES			29		1.5					
MJZ	EP	01	58	22.5		-0.3	3.11	62		4.2	
	ES			54.5		-3.3					
KAI	ES	01	59	35		2.4	4.54	51	4.3		
GPZ	F	01	59	28			4.64	69	4.3		
JUN 16											
	H	M	S								
	06	08	43.2		39.67S	174.75E	135 KM	SE	2.6	AVG MAG	65/ 326
					0.12	0.15	30				3.9
TNZ	EP	06	09	03.7		0.3	0.56	330		3.8	
TON	EP	06	09	06		1.1	0.77	53	3.2		
	ES			19		-2.5					
WEL	EP	06	09	16		2.7	1.61	179	3.9	4.0	
	ES			37		0.8					
COB	ES	06	09	48		1.8	2.09	227	4.1		
KAI	ES	06	10	24		-2.0	3.80	220	3.9		
GPZ	ES	06	10	36		-2.2	4.32	201	4.3		
FELT TARANAKI MM IV											
JUN 16											
	H	M	S								
	09	24	24.8		38.52S	177.89E	76 KM	SE	2.9	AVG MAG	65/ 327
					0.14	0.16	20				3.9

LOCAL EARTHQUAKES

		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
GNZ	IP	09	24	35.5	U	-0.8	0.16	140			
	ES			46.5		1.6					
TUA	EP	09	24	38		-2.0	0.65	244		4.4	4.6
	ES			50		-1.5					
ECZ	EP	09	24	41.5		-2.2	0.97	32		5.3	4.7
	ES			59		1.1					
TON	EP?	09	25	02		5.4	1.96	249	3.3		
	E			11							
TNZ	EP	09	25	10		1.1	2.82	255			
WEL	ES	09	26	01		-1.6	3.66	220	4.3		4.2
ONE	EP	09	25	23		-1.2	3.93	313	3.9		
JUN 16											
	H	M	S								
	13	41	47.6		38.56S	176.09E	33 KM	SE	3.9	AVG MAG	65/ 324
					0.13	0.11	R				2.9
WNZ	IP*	13	41	55.7		2.7	0.07	173			
	E			42 14							
CNZ	ESN	13	42	14		2.5	0.77	213		2.6	
KRP	ESN	13	42	12		0.5	0.77	325			
	E			23							
TON	E	13	42	28			0.77	214	2.3		
	E			28							
TUA	ESN	13	42	12		-1.9	0.87	107		3.3	3.2
	E			51							
TNZ	ESN	13	42	25		-3.8	1.48	244		3.1	
	E			41							
INTERPRETATION DOUBTFUL FELT WAIRAKEI MM IV											
JUN 16											
	H	M	S								
	15	54	02.9		45.76S	166.27E	33 KM	SE	1.3	AVG MAG	65/ 325
					0.08	0.09	R				4.2
MNW	IPN	15	54	18.6	D	-0.6	0.95	92		4.3	4.3
	E			25							
	ESN			29.5		-1.7					
ROX	EPN	15	54	36.5		0.7	2.16	83		4.1	4.3
	ESN			55 02.5		1.9					
MJZ	EPN	15	54	54		0.2	3.47	61		4.2	4.1
	ESN			55 32.5		-0.2					
KAI	E	15	55	30			4.91	51	4.3		
	ESN			56 07		-0.7					
GPZ	E	15	55	06			4.99	68	4.2		
	ESN			56 10		0.5					
JUN 17											
	H	M	S								
	06	34	37.3		42.88S	175.59E	33 KM	SE	2.1	AVG MAG	65/ 326
					0.07	0.09	R				3.9
WEL	IPN	06	35	03.2	U	-0.8	1.71	339	3.4	4.1	3.9
	ESN			21		-3.0					
GPZ	EPN	06	35	14		1.9	2.30	248	3.4		
	ESN			40		1.5					
COB	EPN	06	35	20		1.3	2.78	309	3.8		
KAI	EP*	06	35	31		-0.7	3.10	275	4.3		
	ESN			57		-1.0					
TON	EPN	06	35	31.5		0.6	3.67	359	4.1		
	ESN			36 12		0.0					
CNZ	IPN	06	35	32.0	U	1.0	3.68	359		4.1	3.8
	ESN			36 13		0.9					
TNZ	EPN	06	35	34.5		1.8	3.80	346		3.9	3.8
	ESN			36 18		2.9					
MJZ	EPN	06	35	34		0.1	3.89	252		3.8	
	EP*			41.5		-3.7					
GNZ	ESN	06	36	32		-2.9	4.62	24		4.2	

		H	M	S			33 KM	SE	3.8	AVG MAG			
JUN 17		10	51	33.4	34.09S	178.26W	R			6.1			
		+- 3.2		0.23	0.37								
		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S		
ECZ	IPN	10	52	41.7	U	4.3	4.43	215					
	ES*			53 45		-3.5							
GNZ	EPN	10	52	52		0.9	5.44	212		5.8			
	E			54 08									
TUA	EPN	10	52	59		0.6	5.99	217		5.7			
	E			54 11.5									
ONE	FPN	10	52	56		-6.5	6.29	252		5.6			
AUC	IPN	10	53	07.5	U	4.7	6.31	242					
KRP	EPN	10	53	02		-0.9	6.32	231					
WNZ	E	10	53	12			6.42	223					
CNZ	EPN	10	53	12.5		-1.3	7.12	222					
	E			54 52									
TON	E	10	53	16			7.13	223		5.8			
	E			20									
	E			54 43									
TNZ	EPN	10	53	22		-0.8	7.80	227					
	E			55 15									
WEL	EPN	10	53	38		-1.6	9.06	215		6.0			
	ESN			55 16		-1.5							
COB	E	10	54	32			9.99	223		5.4			
	ESN			55 46		6.5							
KAI	E	10	54	34			11.69	221		5.6			
	ESN			56 24		4.8							
GPZ	EPN	10	54	15		-2.1	11.92	214		5.7			
	ESN			56 22		-2.6							
MJZ	EPN	10	54	30		-3.5	13.19	218					
	ESN			56 51.5		-2.6							
MNW	EPN	10	55	12		4.7	15.90	219					
USCGS	EPICENTRE	10	51	34.9		33.9S	179.6W	20KM					

		H	M	S			33 KM	SE	2.4	AVG MAG			
JUN 19		03	46	19.2	41.58S	174.14E	R			4.0			
		+- 0.7		0.05	0.06								
		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S		
WEL	IPN	03	46	29.3	DNW	-0.7	0.55	59		4.0			
	ESN			38.5		0.6							
COB	EPN	03	46	37		-1.5	1.17	294		3.6			
	ESN			51		-1.9							
KAI	EPN	03	46	54		0.7	2.25	244		3.5			
	ESN			47 23		3.9							
GPZ	EP*	03	47	00		-1.4	2.39	207		3.6			
	ESN			18		-4.6							
	ES*			36		3.0							
TNZ	EPN	03	46	56		0.7	2.39	4		4.0			
	E			58									
	ESN			47 32		9.3*							
TON	EP*	03	47	06		1.0	2.60	25		3.0			
	ES*			41		1.7							
CNZ	EPN	03	46	58		-0.2	2.61	25		4.0			
	ES*			47 38		-1.5							

		H	M	S			168 KM	SE	1.3	AVG MAG			
JUN 20		02	42	08.4	38.96S	175.93E	9			3.1			
		+- 1.2		0.07	0.05								
		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S		
CNZ	IP	02	42	32.0	D	0.5	0.38	230					
	ES			49		-0.2							
TON	EP	02	42	32		0.5	0.39	231		3.1			
TUA	EP	02	42	35		0.3	0.97	82		3.8			
	ES			55		-0.1							
TNZ	EP	02	42	36.5		-0.5	1.22	259		3.5			
	E			51									

		H	M	S			33 KM	SE	ND	AVG MAG			
JUN 21		12	11	43.0	41.20S	173.50E	R			3.0			
		+- 3.5		0.23	0.15								
		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S		
GNZ	EP	02	42	42.3	D	1.0	1.67	80			4.6	4.4	
	ES			43 05		-1.7							
ECZ	EP	02	42	52		1.2	2.42	59			4.6	4.4	
WEL	EP	02	42	52		1.6	2.49	201		4.1	3.7	4.3	
	ES			43 25									
COB	ES	02	43	39		-1.1	3.25	228		4.1			
KAI	ES	02	44	15		-4.3*	4.95	222		4.2			
GPZ	ES	02	44	27		-1.6	5.34	206		4.5			

		H	M	S			33 KM	SE	ND	AVG MAG			
JUN 21		12	11	43.0	41.20S	173.50E	R			3.0			
		+- 3.5		0.23	0.15								
		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S		
COB	EP	12	11	53		-1.3*	0.59	281					
WEL	EP	12	11	59		-0.4*	0.96	96		2.7	3.3		
TNZ	ES	12	12	41		1.2*	2.12	19				3.0	
CNZ	ES	12	12	50		-0.0*	2.54	39				3.0	
FELT FAREWELL SPIT MM IV													

		H	M	S			33 KM	SE	3.4	AVG MAG			
JUN 21		20	43	13.3	45.78S	170.34E	R			3.3			
		+- 3.5		0.23	0.15								
		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S		
ROX	EP	20	43	23		-4.3	0.78	292		3.3	3.6		
	ES			37		-0.6							
MJZ	EP	20	43	38		-3.2	1.79	3		3.3	3.5		
	ES			44 04		1.8							
MNW	EP	20	43	44		1.2	1.91	269		3.3	3.1		
	ES			44 08		3.1							
GPZ	ES	20	44	25		1.9	2.65	39		3.0			
FELT DUNEDIN MM IV													

		H	M	S			33 KM	SE	1.0	AVG MAG			
JUN 22		22	24	08.0	38.47S	179.14E	R			4.4			
		+- 1.8		0.16	0.11								
		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S		
GNZ	IP	22	24	23.6		0.1	0.89	258		4.7	4.6		
	ES			34		-1.0							
TUA	EP	22	24	33		-0.1	1.59	257		4.4	4.4		
	ES			53		1.0							
KRP	EP	22	24	51		0.1	2.89	280		3.7			
ECZ RECORD FOR 65 06 22/3 TOO UNDERDEVELOPED TO READ													

		H	M	S			33 KM	SE	ND	AVG MAG			
JUN 22		22	30	37.0	37.65S	178.10E	R			4.1			
		+- 3.4		0.19	0.38								
		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S		
GNZ	IP	22	30	52.1		-1.8*	0.99	183		4.5	4.4		
	ES			31 02		-4.4*							
TUA	EP	22	31	01		1.9*	1.38	213		4.1	4.0		
	ES			20		4.2*							
KRP	EP	22	31	07		-1.4*	2.05	262		3.6			
	E			24									
ECZ RECORD FOR 65 06 22/3 TOO UNDERDEVELOPED TO READ													

		H	M	S			265 KM	SE	2.0	AVG MAG			
JUN 23		10	59	13.9	33.65S	176.86W	9			5.5			
		+- 3.4		0.19	0.38								
		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S		
GNZ	EP	11	00	49		0.1	6.48	218					
	ES			02 02		-1.3							
TUA	EP	11	00	5									

		H	M	S			DIR	RES	DIST	AZ	W-A	W-P	W-S
TON	E	11	01	18					8.26	226			
	E		02	57									
TNZ	E	11	01	33					8.96	229			
WEL	ES	11	03	25				-0.3	10.12	219		5.8	
GPZ	ES	11	04	29				0.1	12.95	216		5.5	
USCGS EPICENTRE 10 59 11.5 32.5S 178.7W 23KM MAG 5.3													
JUN 24 23 26 40.6 39.50S 174.53E 183 KM SE 1.9 AVG MAG 5.5													
					0.08		0.08	13					
TNZ	EP	23	27	06				0.7	0.33	339			
	ES			23				-1.3					
CNZ									0.84	70		3.8	
KRP	EP	23	27	16.5				0.9	1.75	27		3.8	
WEL	EP	23	27	19				2.9	1.80	174		3.9	
	ES			45				1.6					
TUA	EP	23	27	19				-0.9	2.15	72		3.6	
	ES			50				-0.1					
GNZ	EP	23	27	29.5				1.3	2.85	74		4.4	
	ES			28 03				-1.9					
GPZ	ES	23	28	38				-2.1	4.43	198		4.1	
MJZ	ES	23	29	02				-1.1	5.42	213		3.5	
JUN 25 05 37 00.5 40.65S 173.47E 155 KM SE 2.3 AVG MAG 5.5													
					0.08		0.09	13					
COB	ES	05	37	42				0.3	0.71	232		3.5	
WEL	IP	05	37	30.6		U		3.2	1.17	123		4.3	
	ES			49				0.8					
TNZ	F	05	37	37				0.7	1.62	26		3.6	
	ES			57				0.7					
CNZ	ES	05	38	03				-4.1	2.16	48		3.5	
	E			10									
KAI	EP	05	37	44				2.5	2.43	219			
	ES			38 12				-0.9					
GPZ	EP	05	37	50				-0.0	3.10	191		4.3	
	ES			38 25.5				-2.5					
KRP	ES	05	38	20.5				-8.9*	3.16	31		3.9	
TUA	ES	05	38	36				1.5	3.38	58		4.1	
MJZ	EP	05	38	02				0.2	4.01	213		3.5	
	ES			48				-0.9					
GNZ	F	05	38	39					4.05	62		4.2	
	ES			49				-0.9					
JUN 26 07 44 00.2 40.97S 175.53E 81 KM SE 2.8 AVG MAG 5.5													
					0.07		0.11	20					
WEL	IP	07	44	16		DNE		0.1	0.66	241		5.2	
	ES			27.5				-0.3					
TON	EP	07	44	27				-2.6	1.77	0		4.1	
	E			46									
CNZ	IP	07	44	27.7		D		-1.9	1.77	0		4.7	
	ES			47				-4.3					
TNZ	EP	07	44	33				0.5	1.99	333		4.5	
	ES			58				1.7					
COB	E	07	44	46					2.12	266		4.5	
	ES			45 03				3.4					
WNZ	E	07	44	49					2.38	11		4.9	
TUA	EP	07	44	44				4.5	2.49	30		4.3	
	E			45 04									
GNZ	EP	07	44	51				4.2	3.01	40		4.1	
	E			45 03									
KRP	EP	07	44	45				-2.2	3.04	0		4.5	
	E			52									

		H	M	S			DIR	RES	DIST	AZ	W-A	W-P	W-S
	ES		45	22					-0.6				
KAI	E	07	45	08						3.46	242	4.6	
	ES			35					2.1				
GPZ	ES	07	45	31					-2.1	3.47	217	4.2	
AUC	E	07	45	25						4.15	352		3.9
MJZ	EP	07	45	12					0.3	4.81	230		4.2 4.0
	ES			46 07					0.4				
MNW	ES	07	47	10					-3.2	7.51	228		
FELT IN NORTH ISLAND'S OF WANGANUI													
JUN 27 00 55 15.3 34.01S 179.31W 201 KM SE 3.0 AVG MAG 5.5													
					0.16		0.32	33					
ECZ	EP	00	56	18					-0.7	4.07	205		6.1 5.8
GNZ	EP	00	56	29					-2.8	5.10	204		5.6 5.4
	ES			57 35					3.9				
ONE	EP	00	56	33					-3.8	5.49	249		5.2
TUA	EP	00	56	36					-1.9	5.58	210		5.4 5.4
	ES			57 41					-1.0				
AUC	E(P)	00	56	43					4.8	5.60	238		5.3
KRP	EP	00	56	39					-0.7	5.72	225		5.3
WNZ	E	00	57	04						5.92	217		5.2
CNZ	EP	00	56	51					-0.5	6.63	217		
TON	EP	00	56	55					3.4	6.64	217		
	E			58 26									
TNZ	EP	00	57	00					0.5	7.24	223		
	E			08									
WEL	EP	00	57	15					-2.9	8.65	211		5.8
	ES			58 53					-0.6				
KAI	ES	00	59	52					-0.8	11.20	218		5.5
GPZ	ES	00	59	58					-2.3	11.52	211		5.7
MJZ	EP	00	58	15					4.7	12.74	216		
	ES			01 00 29					0.7				
JUN 27 08 17 13.2 38.25S 177.81E 90 KM SE 1.6 AVG MAG 5.5													
					0.08		0.07	16					
GNZ	IP	08	17	26.6		U		-1.1	0.42	157			
	ES			37				-1.7					
TUA	EP	08	17	31					0.3	0.76	223		4.0 4.1
	ES			46					2.1				
ECZ	EP	08	17	31					-0.1	0.80	46		4.5 4.3
	ES			46					1.4				
KRP	EP	08	17	43					-0.7	1.82	280		3.3 3.8
	ES			18 05					-1.1				
CNZ	EP	08	17	47					0.9	2.01	241		3.3
JUN 27 08 40 55.0 46.30S 166.50E 33 KM SE ND AVG MAG 4.0													
MNW	IP	08	41	10.5		D		-0.6*	0.94	57		3.9	4.2
	ES			22				-1.0*					
ROX	EP	08	41	29					1.5*	2.13	68		3.9 3.9
	ES			56					3.9*				
MJZ	EP	08	41	50					1.9*	3.64	52		4.1
JUN 28 03 31 54.4 38.50S 176.36E 184 KM SE 2.9 AVG MAG 4.4													
					0.12		0.10	16					
WNZ	EP	03	32	20					1.0	0.24	236		
TUA	EP	03	32	23.5					2.8	0.70	117		4.0 4.7
	ES			38					-3.0				
KRP	IP	03	32	20.2		UE		-1.5	0.86	311		4.9	4.2

Station	ES	H	M	S	Mag	Dir	Res	Dist	Az	W-A	W-P	W-S
CNZ	EP	03	32	24	1.8		0.94	222		3.8		
TON	EP	03	32	24	1.7		0.95	222	3.3			
GNZ	EP	03	32	28	2.8		1.31	97		4.7		
TNZ	EP	03	32	31	2.2		1.69	245		4.3		
WEL	IP	03	32	46.0	1.7	D	3.04	203	4.7	4.9		
COB	ES	03	33	40	0.3		3.80	226		4.7		
KAI	ES	03	34	16	-3.0		5.51	222		4.7		
GPZ	ES	03	34	26	-2.1		5.90	207		5.1		
MJZ	EP	03	33	36	-0.0		7.05	217				
	ES		34	52	-3.3							

JUN 28 14 58 11.0 37.99S 177.80E 33 KM SE 3.0 AVG MAG 4.5
 +- 1.7 0.07 0.10 R

Station	IPN	H	M	S	Mag	Dir	Res	Dist	Az	W-A	W-P	W-S
GNZ	IPN	14	58	27.0	3.4	D	0.68	165		5.0		
TUA	IPN	14	58	29.0	1.5	D	0.97	212		4.6		
WNZ	EPN	14	58	34	-0.6		1.48	244		4.7		
KRP	IPN	14	58	36.1	-2.7	D	1.79	271		5.1		
CNZ	IPN	14	58	44.0	0.4	U	2.14	235		4.6		
TON	EPN	14	58	44	0.3		2.15	235				
TNZ	EPN	14	58	55	0.4		2.94	245		4.8		
ONE	EPN	14	59	02	-0.7		3.53	308	4.4			
WEL	EPN	14	59	08	-1.7		4.04	214	5.3	4.0		
COB	E	14	59	34			4.99	230	5.2			
KAI	EP*	15	00	07	0.6		6.67	225	5.1			
GPZ	EPN	14	59	47	-1.5		6.91	213	5.2			
MJZ	E	15	00	03	-4.7		8.16	220				

FELT OPOTIKI MM IV
 USCGS EPICENTRE 14 58 10.7 38.1S 177.3E 60KM MAG 4.4

JUN 29 01 42 45.3 38.96S 176.21E 33 KM SE 1.6 AVG MAG 4.5
 +- 0.6 0.05 0.03 R

Station	EP	H	M	S	Mag	Dir	Res	Dist	Az	W-A	W-P	W-S
WNZ	EP	01	42	52.5	-1.0		0.33	346				
CNZ	IP	01	42	56.7	0.4	U	0.57	244		3.8		
TON	EP	01	42	56	-0.4		0.57	245	2.8			
TUA	ES	01	43	08	-0.8		0.75	79		3.4		
KRP	IP	01	43	04.0	-0.4	U	1.16	333		4.3		
TNZ	EP	01	43	11.5	3.2		1.44	260		3.8		
GNZ	ES	01	43	27	1.1		1.45	78				

Station	IP	H	M	S	Mag	Dir	Res	Dist	Az	W-A	W-P	W-S
GNZ	IP	21	38	50.3	3.8		0.05	178.15E	33 KM	SE	1.3	
TUA	IP	21	39	03.9	1.1	U	0.07					
WNZ	EP*	21	39	21	1.2		1.64	282		4.7		
CNZ	EP	21	39	21	-0.5		2.03	264		4.4		
TON	E	21	39	27			2.04	263	3.8			
KRP	EP	21	39	31	5.7*		2.31	297		4.3		
TNZ	EP	21	39	34	0.1		2.94	265		4.2		
WEL	F	21	40	04.5			3.46	228	4.3	4.4	4.4	
GPZ	ES	21	41	25	-2.4		6.26	220	4.7			
MJZ	EP	21	40	38	0.7		7.62	227				

JUN 30 03 59 39.9 37.97S 177.43E 33 KM SE 2.7 AVG MAG 4.5
 +- 1.7 0.10 0.07 R

Station	IP	H	M	S	Mag	Dir	Res	Dist	Az	W-A	W-P	W-S
GNZ	IP	03	59	51.8	-2.6	D	0.82	145		4.8	5.1	
TUA	EP	03	59	53.5	-1.5		0.86	195		4.4	4.6	
WNZ	EP	03	40	04	4.0		1.23	237		4.4		
KRP	EP	03	40	01.7	-1.9	DW	1.49	271		4.4	4.1	
CNZ	EP	03	40	06	-3.4		1.92	230		4.1	4.1	
TON	EP	03	40	09	-0.5		1.92	230	3.8			
TNZ	EP	03	40	25	5.1		2.68	242		4.5		
WEL	E	03	40	18			3.90	211	4.9	4.7	5.1	
COB	E	03	41	50			4.78	228	4.6			
KAI	E	03	41	19			6.47	223	4.8			

JUN 02 05 07 13.5 37.61S 178.17E 129 KM SE 2.0 AVG MAG 4.8
 +- 1.4 0.05 0.07 R

Station	P	H	M	S	Mag	Dir	Res	Dist	Az	W-A	W-P	W-S
ECZ	P	05	07	29.2	-2.7	U	0.31	105				
GNZ	P	05	07	37.5	0.6	U	1.03	186		5.0	5.4	
TUA	EP	05	07	43	1.7	D	1.44	214		5.1	5.2	
WNZ	EP	05	07	49	2.1		1.92	237		4.8		
KRP	P	05	07	49.9	0.7	D	2.11	261				
CNZ	ES	05	07	16	-0.4		2.60	232		4.4	4.0	
TON	EP	05	07	58	2.1		2.60	232	4.0			
AUC	P	05	07	59	0.4		2.81	285				
TNZ	EP	05	08	09	3.2		3.36	241		4.5		
ONE	EP	05	08	08	-0.5		3.57	300	4.4			

Station	Type	Time	Mag	Dist	Az	W-A	W-P	W-S
GPZ	(P*)	20 27 06	0.2	2.21	179	3.8		
	PG	13	1.3					
	S*	36	1.0					
TNZ	P*	20 27 11	-2.8	2.68	32	4.2		
	PG	21	-0.1					
	SG	57	-0.2					
MJZ	P*	20 27 16	-2.3	2.94	211	4.3		
	S*	54	-3.0					
TON	E	20 27 25		3.22	46	4.4		
	E	28 02						
	S*	09	3.8					
CNZ	P*	20 27 23	-0.1	3.22	46	4.3		
	E	25						
	E	28 02						
	SG	15	-0.5					
KRP	(P*)	20 27 34	-6.3	4.23	34			
	S	28 21	2.9					
	SG	51	1.6					
TUA	(P*)	20 27 44	0.5	4.41	54	3.9		
	SG	28 54	-1.6					
GNZ	(PG)	20 28 07	-2.1	5.05	58	3.7		
MNW	(P*)	20 27 55	-8.8*	5.60	218			
	PG	28 23	2.9					
	SN	29 00	9.0*					
ONE	E	20 27 59		5.87	14	4.4		
	ES	29 00	2.5					

JUL 07 16 35 45.2
+- 0.5

Station	Type	Time	Mag	Dist	Az	W-A	W-P	W-S
TUA	P*	16 36 02.8	-0.2	0.98	11	4.4		
	ES*	16	-0.3					
CNZ	(P*)	16 36 07.0	0.3	1.20	298			
	S*	22	-0.8					
TON	(P*)	16 36 07	0.2	1.20	298	4.3		
	S*	22	-1.0					
WNZ	EP*	16 36 08	-0.5	1.30	331	4.7		
	E	13						
	F	25						
	E	36						
GNZ	EP	16 36 09	-1.4	1.42	38	4.7		
	E	16						
	F	43						
TNZ	EP	16 36 19		0.4	2.04	286	4.6	
	EP*	22	0.8					
	ES*	49	0.8					
	FSG	52	-2.1					
KRP	EP	16 36 18	-1.8	2.13	329			
	EP*	24	1.3					
	ES*	53	2.1					
WEL	EP	16 36 22	0.9	2.23	226	3.9	4.4	
	EP*	31	6.7*					
	ES	48	0.2					
ECZ	EP	16 36 23	-1.0	2.44	32	4.4		
	EPG	35	0.5					
COB	EP*	16 36 50	4.8	3.45	246	3.9		
	ES	37 17	-0.5					
	ES*	37	6.6*					
KAI	ES	16 37 53	-1.5	4.98	235	4.2		
GPZ	ES	16 37 54	-2.3	5.06	218	4.7		
MJZ	EP	16 37 18.5	1.2	6.39	227			
	EP*	42	6.3*					
	ES	38 27	-1.3					
ROX	ES	16 39 07	0.8	7.99	222			
MNW	ES	16 39 33	0.5	9.09	226			

FELT NAPIER MM IV

Station	Type	Time	Mag	Dist	Az	W-A	W-P	W-S
GPZ	(P*)	19 15 45.9	39.78S	177.98E	12 KM	SE	2.0	AVG MAG 4.0
	PG	13	1.3					
	S*	36	1.0					
GNZ	P*	19 16 08	0.4	0.06	1.6	1.14	2	4.1 4.7
	E	13						
	ESG	22	-2.4					
TUA	P*	19 16 07.7	0.8	1.16	326			4.4
	E	13						
CNZ	E(p*)	19 16 21	0.4	1.97	286			4.1 4.1
	EPG	29	3.3					
	ES*	44	-2.6					
TON	EPG	19 16 28	2.2	1.97	286	3.5		
	ES	40	-2.4					
ECZ	S	19 16 45	-1.2	2.13	12			4.0
KRP	P	19 16 29	1.1	2.66	313			
	E	44						
TNZ	EPG	19 16 42	-1.5	2.84	281			3.5
	E	52						
	ES	17 07	3.0					
WEL	EP	19 16 32	1.2	2.87	237	3.6	4.0	4.0
	ES	17 04	-0.6					
COB	S	19 17 36	-0.6	4.21	250			
GPZ	S	19 18 07	-2.8	5.59	224	4.3		
KAI	S	19 18 12	0.4	5.66	239	4.0		
MJZ	EP	19 17 28	1.7	7.00	231			
	ES	18 42	-1.5					

JUL 08 09 29 48.9
+- 2.2

Station	Type	Time	Mag	Dist	Az	W-A	W-P	W-S
GNZ	EP	09 30 13.5	0.7	0.86	149			5.0 4.9
	E	17						
	ES	30	-1.3					
	E	40						
ECZ	P	09 30 13.8	0.7	0.89	76			
TUA	P	09 30 14.1	0.7	0.93	195			4.6 4.9
	E	24.5						
	ES	31	-1.3					
	E	37						
KRP	P	09 30 18	-1.1	1.52	269			
	ES	36	-6.2					
CNZ	P	09 30 26.5	2.4	1.98	229			4.1 3.9
	E	55	3.7					
	E	31 03						
TON	ES	09 30 54	2.6	1.98	229	3.3		
TNZ	EP	09 30 37	3.4	2.73	241			4.4 3.7
	E	31 16						
WEL	EP	09 30 49	-0.5	3.96	211	4.4	4.7	4.4
	E	59						
	S	31 35	-1.2					
	E	54						
COB	S	09 32 03	6.2	4.84	228	4.0		
KAI	S	09 32 37	-0.3	6.53	223	4.6		
GPZ	EP	09 31 27	-0.7	6.84	211	4.3		
	S	32 40	-4.6					
MJZ	EP	09 31 44.0	0.1	8.05	219			
	S	33 10.5	-3.2					

JUL 08 13 12 30.4
+- 1.9

Station	Type	Time	Mag	Dist	Az	W-A	W-P	W-S
			33.95S	178.88W	33 KM	SE	2.5	AVG MAG 4.9
			0.14	0.23				

		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
ECZ	EP	13	13	34		1.7	4.28	208	5.2		
	E		14	30							
GNZ	EP	13	13	45		-1.2	5.31	207	4.8		
	ES		14	47		2.4					
TUA	EP	13	13	51		-1.9	5.81	212	4.8		
	EP*		14	08		-3.0					
	ES		15	00		3.4					
	ES*			26		-0.7					
ONE	EP	13	13	53		-0.4	5.84	250			
KRP	EP	13	13	56		0.2	6.02	227			
	E		14	04							
CNZ	EP	13	14	07		-0.6	6.89	219			
	E			16							
	E		15	35							
TON	E	13	15	32			6.90	219	4.9		
	ES*			56		-3.5					
TNZ	EP	13	14	18		1.9	7.53	224			
	E			31							
WEL	EP	13	14	36		1.8	8.88	213	5.3		
	EP*			57		-6.7*					
	ES		16	08		-2.3					
	E			46							
COB	S	13	16	31		0.3	9.75	221	4.9		
KAI	S	13	17	16		5.1	11.46	219	4.9		
GPZ	S	13	17	15		-2.7	11.75	212	5.0		
MJZ	E(P)	13	15	26		-1.9	12.99	216			
	E			29							
	ES		17	48		1.6					
	E			18							
MNW	E	13	16	29			15.69	217			

JUL 08 H M S 13 16 35.3 33.15S 179.56E 33 KM SE 4.0 AVG MAG 4.8
 +- 4.1 0.25 0.36

		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
ECZ	EP	13	17	41		-0.8	4.61	190	4.8		
	ES		18	37		4.2					
GNZ	EP	13	17	51		-4.5	5.63	192	4.5		
	ES		18	59		1.7					
KRP	EP	13	18	02		4.4	5.78	213	4.5		
	E			15							
TUA	EP	13	17	57		-3.2	5.98	198	4.5		
	ES		19	08		2.3					
CNZ	E(P)	13	18	15		2.9	6.86	207			
	E			24							
	E		19	39							
	ES*			01		-2.2					
TNZ	E	13	18	32			7.34	213			
WEL	S	13	20	14		-3.4	8.98	204	5.0		
COB	S	13	20	38		5.4	9.61	213	4.9		
GPZ	S	13	21	20		-4.7	11.84	205	5.0		
MJZ	ES	13	21	48		-2.2	12.94	211			

JUL 08 H M S 18 25 49.7 40.51S 175.98E 12 KM SE 1.9 AVG MAG 4.8
 +- 0.5 0.02 0.04

		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
WEL	P*	18	26	12.2	D	0.9	1.20	230	4.3		
	E			20.5							
	S*			27.8		0.3					
	E			40							
TON	P*	18	26	15		1.1	1.35	345	4.5		
	S*			33		1.0					
CNZ	P*	18	26	15.1	D	1.2	1.35	346	4.5		
TNZ	P*	18	26	21.6	U	-0.1	1.81	317	5.1		
	PG			28		1.7					

		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
WNZ	SG			51		0.3					
	PG	18	26	25		-2.8	1.88	3		4.9	5.1
	SG			50		-3.2					
TUA	P*	18	26	22		-1.7	1.93	28		4.8	4.9
	PG			29		0.3					
	SG			59		4.3					
	E			27		0.3					
GNZ	(P)	18	26	29		0.4	2.44	41		5.0	
	PG			40		0.9					
	E			47							
COB	(P)	18	26	34		4.0	2.53	256	4.2		
	P*			37		2.9					
	S			27		0.8					
	S*			09		1.6					
KRP	P	18	26	31.0		0.0	2.61	352			
	Ip*			34.4		-1.0					
	PG			40		-2.4					
	E			46							
	S*			27		0.3					
ECZ	P	18	26	43		0.7	3.45	36		4.8	4.5
	E			27		0.8					
	E			28		0.5					
KAI	P*	18	26	59		0.1	3.98	238	4.5		
	PG			27		-0.2					
	S			34		-0.9					
	S*			50		-0.9					
	SG			28		0.2					
GPZ	(P)	18	26	50		-0.2	4.04	217	4.5		
	P*			57		-2.8					
	PG			27		-3.3					
	S			33.5		-2.7					
ONE	EP?	18	27	01		-0.8	4.90	344	4.5		
	P*			09		-5.6*					
	PG			26		-2.7					
	S*			28		-7.5*					
	SG			34		-0.8					
MJZ	P	18	27	07.7		-0.4	5.37	228		4.2	4.0
	P*			26		3.4					
	S			28		0.5					
MNW	E	18	28	04			8.07	226			
	E			22							
	S			29		1.4					

FELT EXTENSIVELY

JUL 08 H M S 20 27 43.4 36.04S 177.85E 270 KM SE 2.0 AVG MAG 4.8
 +- 1.4 0.07 0.09

		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
ECZ	P	20	28	25.5		-0.4	1.75	161			
GNZ	P	20	28	32.7		-0.9	2.61	177		5.6	5.5
	E			29		0.2					
	E			17							
KRP	P	20	28	35.0		1.0	2.64	224			
	S			29		7.7*					
TUA	P	20	28	35.5		-0.3	2.82	191		4.5	5.0
	S			29		3.4					
	E			22							
ONE	P	20	28	34		-2.0	2.84	274	4.4		
	S			29		1.1					
CNZ	P	20	28	45.5		0.8	3.65	209		4.0	4.1
	S			29		-1.4					
	E			39							
TON	P	20	28	46		1.3	3.65	209	4.2		
	S			29		-2.5					
	E			38							
	E			43							
TNZ	P	20	28	53		2.3	4.18	220		4.1	

Station	Type	H	M	S	RES	DIST	AZ	W-A	W P	W S	
WEL	P	20	29	08	-1.7	5.77	204	5.3	4.7	4.3	
	S		30	17	-0.3						
COB	E	20	30	48		6.44	217	5.4			
KAI	S	20	31	10	-1.1	8.18	216	4.9			
GPZ	E	20	29	45		8.63	206	5.5			
	S		31	20	-1.2						
HJZ	P	20	29	57	-2.4	9.75	213				
	E		30	27							
	S		31	45	-1.4						
MNV	(P)	20	30	35	2.3	12.42	215				
	ES		32	50	3.4						
<p>JUL 12 22 07 59.4 37.02S 177.33E 12 KM SE 1.6 AVG MAG 4.2 +- 0.7 0.04 0.03</p>											
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
ECZ	P*	22	08	20.7		0.1	1.18	125			
	PG			24		0.7					
KRP	P*	22	08	29.5	U	0.1	1.69	237			
	PG			35		1.4					
	E			40							
	E		09	03							
GNZ	P*	22	08	29.9	D	0.2	1.71	162	5.5		
	PG			34		-0.1					
	E		09	14							
WNZ	E	22	08	46			1.88	211			
	SG		09	01		-1.8					
CNZ	P*	22	08	44		-0.8	2.59	212		4.4	
	E			46							
TON	E	22	08	47			2.60	212	3.7		
	E			59							
	ESG		09	30		3.0					
ONE	P*	22	08	46		-0.6	2.70	297	3.9		
	SG		09	31		0.6					
TNZ	P*	22	08	52.5		-2.3	3.18	226	4.3		
	PG			58		-5.7*					
WEL	E	22	09	14			4.70	204	4.5	4.7	
	P*			22		1.0					
	S			10		0.9					
KAI	E	22	09	56			7.14	218	4.4		
	E			11							
GPZ	E	22	09	53			7.57	207	4.5		
	S			11		-2.4					
	E			29							

Station	Type	H	M	S	RES	DIST	AZ	W-A	W P	W S	
<p>JUL 13 19 32 08.1 38.06S 176.47E 169 KM SE 2.5 AVG MAG 4.2 +- 1.6 0.06 0.07</p>											
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
KRP	P	19	32	33.0		-0.1	0.75	280			
	S			50		-2.4					
CNZ	P	19	32	39.8		1.8	1.34	212	3.6		
	E			33							
	E			17							
TON	P	19	32	40		2.0	1.35	212	3.2		
	S			33		-0.1					
GNZ	P	19	32	38.7		0.7	1.35	116	4.4		
	E			44							
	S			59		-2.1					
ECZ	P	19	32	42		0.6	1.69	78	3.9		
TNZ	P	19	32	47.0		2.4	1.98	235			
	S			33		4.3					
ONE	P	19	32	56		1.0	2.84	323			
	S			33		-1.9					
WEL	P	19	33	02.5		-0.4	3.48	202	4.8	4.5	
	S			44		-1.1					
KAI	S	19	34	37		-4.6	5.90	219	4.4		

Station	Type	H	M	S	RES	DIST	AZ	W-A	W P	W S	
GPZ	E	19	33	40		6.33	206	4.8			
	S			34		-6.8*					
<p>JUL 15 00 51 39.5 37.94S 176.47E 285 KM SE 2.0 AVG MAG 4.2 +- 1.9 0.12 0.11</p>											
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
KRP	P	00	52	15		-2.3	0.74	271			
TUA	P	00	52	19		0.4	1.02	148		4.0	
	E			42							
	S			47		-2.1					
GNZ	P	00	52	22.3	U	1.2	1.41	120		4.6	4.4
	S			51		-2.0					
CNZ	P	00	52	21.7	D	0.4	1.45	210		3.8	3.3
	S			56		2.5					
TON	P	00	52	22		0.6	1.45	210	3.5		
	S			56		2.5					
ECZ	S	00	52	56		-0.1	1.66	82			4.3
TNZ	P	00	52	27		1.3	2.06	232		3.8	3.2
	E			46							
	E			53							
WEL	P	00	52	42.5	D	1.6	3.59	201	4.9	4.5	5.0
	S			53		0.2					
COB	S	00	53	39		-3.4	4.27	221	4.0		
KAI	S	00	54	17		-2.1	5.99	219	4.5		
GPZ	E	00	53	22			6.44	206	5.0		
	E			54							
	ES			30		1.2					
<p>JUL 15 12 35 18.0 50.00S 165.00E 33 KM SE ND AVG MAG 3.8 R R</p>											
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
MNV	P	12	36	23		-0.9*	4.57	24		4.0	3.8
	S			37		-2.5*					
ROX	P	12	36	35		0.2*	5.38	34		3.7	3.8
	ES			37		4.0*					
	E			49							
HJZ	E(P)	12	37	07		9.2*	7.08	34			
<p>JUL 16 16 39 36.0 38.97S 174.00E 12 KM SE 2.1 AVG MAG 4.0 +- 0.6 0.03 0.03</p>											
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
TNZ	IPG	16	39	43.2	U	-0.5	0.36	126			
	E			46							
	SG			48		-0.8					
	E			55							
TON	P*	16	39	58		0.1	1.22	101	3.9		
	E			40							
	S*			16		1.7					
CNZ	P*	16	39	58	U	-0.0	1.22	101		3.9	4.5
	E			40							
	S*			16		1.5					
KRP	P*	16	40	03.8	U	-0.6	1.60	50			
	PG			08		-0.4					
	S*			25.5		-0.2					
	E			33							
WNZ	S*	16	40	24		-4.1	1.68	79			4.0
COB	E(P)	16	40	13		-0.3	2.32	204	3.4		
	S			40		-1.0					
WEL	P*	16	40	17.0		-0.9	2.38	166	3.6	4.7	4.6
	E			18							
	S*			48		-1.3					
	SG			41		3.6					
	E			08							
TUA	P*	16	40	20		0.8	2.46	87		4.0	

		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S
COB	P	10	52	06.3		1.2	0.37	323			
	S			17		-1.3					
WEL	IP	10	52	15.0	U	1.5	1.31	86	4.4	4.4	
	S			33.3		0.3					
KAI	P	10	52	19.5		1.9	1.66	226	4.2		
	E			24							
	S			40.5		0.5					
GPZ	P?	10	52	25		-1.0	2.33	187	4.6		
	E			29							
	E			35							
	S			54		-0.9					
TNZ	P	10	52	28.8		1.6	2.42	26	3.9		
	E			54.5							
	E			53							
TON	E	10	52	38			2.90	42	4.0		
	E			44							
	S			53		0.4					
	E			28							
CNZ	P?	10	52	34		0.1	2.91	42	4.3		
	E			38							
	E			45							
	E			53							
	E			29							
MJZ	P	10	52	38.7		0.8	3.22	215	4.7		
	E			42							
	S			53		-0.9					
KRP	P	10	52	48		0.1	3.96	30			
	E			59							
	S			53		-2.7					
	E			54							
TUA	E	10	52	56			4.07	52	4.1		
	E			53							
GNZ	E	10	53	32			4.71	56			
	E			44							
	S			51		-0.9					
ROX	(P)	10	53	01		0.4	4.90	212			
	S			53		-3.7*					
MNW	P	10	53	15		1.0	5.90	220	3.8		
	E			22							
	S			54		-1.8					
<p>JUL 26 18 43 47.4 44.92S 167.79E 33 KM SE 2.7 AVG MAG 4.9 +- 1.9 0.08 0.11 R</p>											
MNW	I(P*)	18	44	03.8	D	-0.2	0.86	188	4.9		
	S*			15		-1.0					
ROX	(P*)	18	44	10.2	D	0.6	1.21	118	4.4		
	S*			28		2.0					
MJZ	(P*)	18	44	21.6	D	-3.6	2.13	65	4.1		
	S			42		-2.5					
	S*			49		-4.4					
KAI	E	18	44	56			3.55	49	4.2		
	S			45		7.9*					
GPZ	P*?	18	44	52		0.1	3.69	72	4.3		
	E			45							
	S			24		1.5					
COB	S	18	46	03		2.1	5.27	45	4.1		
WEL	EP*?	18	45	39		3.1	6.27	57	4.5		
	S			46		2.3					
TNZ	E	18	47	05			7.54	43			
CNZ	E?	18	45	52			8.12	48			
	E			47							
<p>FELT MILFORD SOUND MM III</p>											

		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S
JUL 26		19	18	16.2			38.57S 175.69E	237 KM	SE 1.4	AVG MAG	65/ 378 4.3
				+- 1.0			0.06 0.05	6			
CNZ	IP	19	18	49.6	D	1.3	0.64	190	3.5	3.7	
	S			19 14.5		1.3					
TON	S	19	19	13		-0.2	0.65	190			
KRP	P	19	18	48.0		-0.3	0.65	350			
	S			19 11		-2.3					
TUA	P	19	18	51.5		0.3	1.17	102	4.3	4.3	
	S			19 16		-2.3					
TNZ	P	19	18	52.5		1.1	1.19	238	3.9	3.4	
	ES			19 21		2.5					
GNZ	P	19	18	57.0	D	0.6	1.83	93	4.7	4.5	
	E			19 19.7							
	S			28.0		0.5					
WEL	P	19	19	07.2	U	0.9	2.81	194	4.8	4.4	4.7
	S			45		-0.2					
COB	S	19	19	56		-0.8	3.39	221	4.0		
KAI	S	19	20	32		-2.1	5.12	218	4.3		
GPZ	E(P)	19	19	40		0.1	5.62	203	4.9		
	E			20 43							
	ES			45.5		0.3					
MJZ	P	19	19	53		-0.5	6.69	214			
	E			20 59							
	S			21 08		-1.6					
MNW	S	19	22	12		1.2	9.37	217			
<p>JUL 27 08 26 29.7 34.70S 178.35W 33 KM SE 2.9 AVG MAG 5.3 +- 2.3 0.18 0.22 R</p>											
ECZ	P	08	27	30		3.6	3.90	219			
GNZ	P	08	27	39.7		-0.3	4.90	215	5.0	5.2	
	ES			28 34		-0.0					
	E			44							
TUA	P	08	27	47.2		-0.4	5.46	220	5.3	5.3	
	E			50							
	ES			28 50		2.3					
KRP	P	08	27	52		-1.4	5.89	235			
	ES			28 57		-0.9					
WNZ	E	08	28	05			5.94	227	4.7		
ONE	P	08	27	54		-1.6	6.06	258			
CNZ	P	08	28	04		0.5	6.63	226			
	E			30							
	S			29 21		5.3					
TON	P	08	28	04		0.4	6.64	226	5.0		
	E			35							
	S			29 21		5.1					
	E			25							
	E			48							
TNZ	P	08	28	14		1.1	7.34	230			
	E			28							
	E			29 49							
WEL	EP?	08	28	27		-1.8	8.52	218	5.9		
	E			29							
	E			46							
	S			29 59		-2.0					
	E			31 14							
COB	S	08	30	19		-5.2	9.50	225	5.2		
GPZ	E	08	29	06			11.37	215	5.7		
	S			31 06		-2.1					
MJZ	P	08	29	21		-2.1	12.67	220			
	E			31							
	S			31 35		-3.4					
MNW	P	08	30	00		2.9	15.38	220			

		H	M	S	R		DIR	RES	DIST	AZ	W-A	W-P	W-S
59	S												
TUA	E	11	27	31					9.31	51			
	E			28 05									
	ES			29 03					5.3				
GNZ	E	11	28	56					9.92	53			
	S			29 14					2.0				
FELT MANAPOURI TO DUNEDIN													
JUL 30	H M S	16	50	20.2	37.58S	177.01E	12 KM	SE	3.4		AVG MAG		
	R												
KRP	PG	16	50	45.1					0.2	1.22	253		
	E			50									
ECZ	PG	16	50	44.0					-1.0	1.22	96		
TUA	PG	16	50	43.2					-1.9	1.23	175		
	ESG			51 02					0.3				
WNZ	SG	16	50	58					-5.1	1.27	214		
	E			51 15									
GNZ	IPG	16	50	45.0					-2.1	1.33	143		5.5
	E			51 15									
TON	E(PG)	16	50	58					-2.5	1.99	215		3.7
	E			51 08									
	ESG			27					-0.3				
TNZ	P*	16	51	07					1.0	2.62	231		4.2
	PG			10					-3.1				
	S*			37					-3.4				
	ESG			53					4.6				
ONE	SG	16	51	54					-0.3	2.79	309		3.8
WEL	P	16	51	23.7					2.3	4.09	204		4.5 4.3
	P*			35					3.8				
	S			52 11					3.0				
	E			19									
	SG			44					6.0				
COB	E(P*)	16	51	50					6.2	4.82	222		
	S*			52 43					-3.7				
	SG			53 01					-1.7				
KAI	E	16	53	18					6.55	219			4.2
GPZ	S	16	53	16					-0.6	6.95	207		4.6
MJZ	EP	16	52	17					2.0	8.10	216		
	PG			58					-5.9				
	ES			53 46					2.2				
FELT OPOTIKI MM IV													
AUG 01	H M S	13	45	26.0	39.20S	174.00E	33 KM	SE	ND		AVG MAG		
	R												
TNZ	EP*	13	45	32					-1.6*	0.30	88		
KRP	EPN	13	45	54					0.7*	1.75	44		3.2
	EP*			57					-0.4*				
	ESN			46 15					1.1*				
FELT AT NEW PLYMOUTH													
AUG 01	H M S	23	44	31.3	32.93S	178.46W	198 KM	SE	2.5		AVG MAG		
	R												
GNZ	EP	23	46	03					-1.2	6.38	206		
	E			06									
	E			47 08					0.2	6.58	242		6.0
ONE	EP	23	46	07					1.0	6.86	210		
TUA	EP	23	46	11.5					3.1				
	ES			47 31					0.8	6.99	223		
KRP	EP			46 13									
	E			47 37									

		H	M	S	R		DIR	RES	DIST	AZ	W-A	W-P	W-S
WNZ	E	23	46	36					7.20	216			
TNZ	E	23	46	11					8.52	221			
	E			47 02									
WEL	EP	23	46	49					-1.6	9.94	211		6.5
	ES			48 38					-1.6				
KAI	E	23	47	32						12.49	217		6.0
	ES			49 35					-3.6				
MJZ	EP	23	47	43					0.5	14.03	215		
	ES			50 12					-1.6				
ROX	E	23	48	14						15.69	213		
	ES			50 51					0.1				
MNW	E	23	48	21						16.72	216		
	ES			51 18					4.0				
USCGS EPICENTRE 23 44 28.2 32.5S 178.9W 45KM MAG 5.8													
AUG 02	H M S	08	58	17.1	38.68S	175.71E	202 KM	SE	1.6		AVG MAG		65/ 387
	R												
CNZ	IP,	08	58	46.0					1.3	0.53	194		3.8 3.7
	ES			59 06					0.0				
TON	EP	08	58	46.5					1.8	0.54	195		3.5
	ES			59 06					-0.0				
KRP	EP	08	58	45					-0.8	0.77	350		3.9 3.2
	ES			59 05					-3.0				
TUA	EP	08	58	49					0.8	1.13	97		3.9 4.2
	ES			59 12					-0.3				
TNZ	EP	08	58	50					1.7	1.15	244		4.0 3.5
	ES			59 14					1.4				
GNZ	EP	08	58	55					0.8	1.81	90		4.5 4.4
	ES			59 21					-1.7				
WEL	IP	08	59	05.7					1.8	2.70	195		4.6 5.0 4.8
	ES			41					0.9				
KAI	ES	09	00	31					-0.6	5.05	219		4.6
GPZ	EP	08	59	39					0.1	5.52	204		4.8
	ES			09 00 40					-2.4				
MJZ	EP	08	59	53					0.0	6.61	215		
	ES			09 01 06					-1.8				
AUG 04	H M S	06	01	02.1	39.29S	174.65E	33 KM	SE	0.5		AVG MAG		65/ 388
	R												
TNZ	IP	06	01	08.9					-0.4	0.24	296		
	ES			15					0.5				
KRP	IP	06	01	25.7					-0.6	1.53	27		4.0 4.2
	ES			45					0.4				
WEL	EP	06	01	33					0.2	2.00	178		3.7 4.3 4.3
	ES			56					0.1				
KAI	ES	06	02	46					-0.2	4.06	216		4.2
MJZ	E	06	02	36						5.64	212		3.5
AUG 08	H M S	06	27	45.4	39.69S	177.54E	12 KM	SE	3.0		AVG MAG		65/ 389
	R												
TUA	EP	06	28	03					-1.1	0.93	341		4.5 4.7
	ES			13					-5.0				
GNZ	EP	06	28	09					2.5	1.11	20		5.0 4.6
	ES												

		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
	GPZ ES	05	24	31		-4.2	5.69	218			
AUG 20		10	07	29.1							
		+- 0.7									
		39.51S	175.75E		87 KM		SE	2.0	AVG MAG		
		0.04 0.05			10						
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
	CNZ IP	10	07	43.5		0.7	0.34	333			
	TON EP	10	07	43		0.2	0.34	332	3.3		
	ES			51		-2.1					
	WNZ ES	10	07	54		-8.2*	0.92	18	4.4		
	TNZ IP	10	07	52.3	D	2.0	1.11	286	4.3		
	ES			08 07		0.8					
	TUA EP	10	07	54		1.2	1.30	58	4.7		
	ES			08 13		2.5					
	KRP IP	10	07	56.1	UE	-0.4	1.59	354	4.1		
	ES			08 15		-1.8					
	WEL EP	10	08	03		2.2	1.93	203	4.5	4.5	
	E			15							
	GNZ IP	10	08	02.0	D	0.7	1.97	65	4.4		
	ES			22		-3.1					
	E			42							
	ONE EP	10	08	28		0.1	3.88	343	3.9		
	ES			09 12		-0.5					
	KAI E	10	08	42			4.46	226	4.6		
	ES			09 29		2.3					
	GPZ EP	10	08	41		0.7	4.79	208	4.7		
	ES			09 32		-3.0					
	MJZ EP	10	08	57		0.6	5.97	220	4.4		
	E			09 05							
	ES			10 01		-3.1					
AUG 21		00	07	35.9							
		+- 2.5									
		37.43S	177.80E		33 KM		SE	2.6	AVG MAG		
		0.13 0.13			R						
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
	GNZ EP	00	07	54		-2.0	1.22	172	3.4		
	ES			08 11		0.0					
	TUA EP	00	07	57		-2.3	1.47	200	3.5		
	ES			08 15		-1.9					
	E			43							
	KRP IP	00	08	04.5	D	-0.2	1.86	254	3.9		
	ES			23.5		-2.9					
	CNZ EP	00	08	12		-1.5	2.50	224	3.4		
	ES			46		4.0					
	TON E	00	08	16			2.51	224	3.4		
	E			36							
	TNZ EP	00	08	25		1.8	3.21	236	4.1		
	ES			09 11		11.7*					
	WEL EP	00	08	44		3.0	4.51	210	4.4		
	GPZ ES	00	10	42		2.1	7.38	210	4.4		
AUG 21		22	27	37.0							
		+- 1.7									
		44.80S	167.39E		12 KM		SE	1.3	AVG MAG		
		0.07 0.10			R						
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
	MNW IPN	22	27	56.3	D	-0.3	0.99	171	4.4		
	ESN			28 11		-0.0					
	ROX IPN	22	28	03.5	D	-0.1	1.52	117	4.4		
	ESN			22.5		-0.7					
	MJZ EPN	22	28	15		0.4	2.35	71	3.3		
	ESN			45		2.4					
	KAI ESG	22	29	40		-1.6	3.69	53	4.2		
	GPZ ESN	22	29	21		-0.0	3.93	76	4.4		
AUG 22		03	20	34.3							
		+- 0.5									
		43.42S	170.77E		12 KM		SE	2.1	AVG MAG		
		0.05 0.07			R						

		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
	HJZ IP*	03	20	45.0		-0.8	0.61	201			
	KAI IPN	03	20	52.0	X	-2.1	1.01	28	4.9		
	ESN			21 06		-2.6					
	GPZ IPN	03	20	57.6	N	-1.6	1.39	102	5.1		
	ESN			21 18		0.4					
	ROX IPN	03	21	10.4	U	-0.9	2.30	206		4.9	5.6
	EPG			19		-1.9					
	E			33							
	MNW EPN	03	21	23.5		-0.8	3.26	223		4.8	5.2
	EP*			34		2.8					
	ESN			22 01		-1.1					
	WEL EPN	03	21	30		0.4	3.65	56	5.2	5.5	5.3
	E			22 20							
	TNZ EPN	03	21	49		0.8	5.03	34		5.0	4.7
	E			22 56							
	TON EPN	03	21	57		2.1	5.54	42	5.5		
	E			23 11							
	CNZ IPN	03	21	57.2		2.2	5.54	42		4.8	
	WNZ EP*	03	22	26		3.5	6.26	42			
	KRP EPN	03	22	09		0.1	6.58	35			
	EPG			41		-6.3*					
	ES*			23 49		-4.6					
	TUA E	03	22	21			6.67	48			
	E			24 32							
	AUC EPN	03	22	20		2.3	7.23	26			
	E			24 02							
	E			26 23							
	GNZ EPN	03	22	19		0.8	7.27	51			
	ONE EPN	03	22	31		1.5	8.12	21	5.5		
	ESN			23 58		-0.5					
	E			25 14							
	USCGS EPICENTRE	03	20	36.0		43.1S	170.8E	33KM	MAG4.8		
	FELT AT ISOLATED PLACES IN WESTLAND. MAX INTENSITY MM V										
AUG 22		04	47	32.3							
		+- 2.4									
		34.59S	178.03W		267 KM		SE	2.1	AVG MAG	65/ 414	5.4
		0.19 0.30			R						
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
	GNZ EP	04	48	51		0.1	5.14	217		5.2	5.3
	ES			49 52		-0.3					
	TUA EP	04	48	58		0.1	5.72	221		5.3	5.3
	ES			50 05		0.1					
	KRP EP	04	48	59.5		-4.0	6.17	235			
	AUC EP	04	49	04		-0.7	6.27	247			
	ONE E	04	48	56			6.34	257	5.3		
	CNZ EP	04	49	14		1.4	6.90	226			
	E			50 40							
	TON E	04	49	24			6.91	226	5.3		
	ES			50 34		2.6					
	TNZ EP	04	49	23		1.4	7.62	231			
	E			35							
	WEL EP	04	49	38		1.9	8.78	218	5.7		
	ES			51 11		-2.4					
	KAI ES	04	52	15		1.3	11.44	223	5.4		
	GPZ ES	04	52	16		-1.5	11.62	216	5.7		
	USCGS EPICENTRE	04	47	30.7		33.6S	179.2W	33KM	MAG5.0		
AUG 22		04	59	07.0							
		+- 0.7									
		43.50S	170.80E		33 KM		SE	ND	AVG MAG	65/ 415	2.7
		0.07 0.07			R						
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
	KAI EP	04	59	25		0.0*	1.07	25	2.7		
	ES			39		0.7*					
	GPZ EP?	04	59	30		1.2*	1.35	99	2.6		
	ES			46		0.8*					
	FELT IN WESTLAND										

	SCS	05 02 45							
	*SSCS	03 41							
KAI	EP	04 49 53	0.4	10.06	220	6.6			
	S	51 42	-0.7						
GPZ	E(P)	04 49 56	-0.3	10.35	212	6.9			
	E	50 14							
	S	51 47	-2.4						
	ESCP	59 19							
HJZ	P	04 50 11.0	-0.9	11.59	217				
	E	29							
	S	52 16	-1.7						
	SCP	59 18							
	SCS	05 02 53							
ROX	P	04 50 34.5	2.1	13.24	215				
	E	39							
	E	46							
	S	52 54.5	-0.3						
MNW	P	04 50 47.8	2.4	14.29	218				
	E	58							
	E	53 16							
	S	21	2.8						
	SCP	59 22							
FELT TOKOMARU BAY MMIV									
SEP 01	H M S	07 42 45.5	43.52S	170.88E	12 KM	SE	1.2	AVG MAG	4.5
		± 0.5	0.03	0.04					
	H M S	07 42 55.7			DIR	RES	DIST	AZ	W-A W P W S
MJZ	IP*	07 42 55.7	U	-0.4	0.56	213			3.1
	ES*	43 04.5		0.6					
KAI	P*	07 43 04		-0.7	1.06	21	2.6		
	S*	18		-1.0					
	SG	23		1.6					
GPZ	S*	07 43 26		0.1	1.29	99	2.2		
FELT EREWHON STATION MMIV									
SEP 01	H M S	09 28 17.0	38.60S	176.00E	12 KM	SE	ND	AVG MAG	65/ 433
	R		R	R	R				
WNZ	PG	09 28 17.5			DIR	RES	DIST	AZ	W-A W P W S
	ESG	19		-2.3*	0.09	111			
	E	23		-2.6*					
KRP	E	09 28 34			0.77	331			
TNZ	E	09 28 57			1.39	245			
FELT ORUANUI MMIV									
SEP 01	H M S	09 28 45.3	38.59S	176.05E	12 KM	SE	1.9	AVG MAG	65/ 434
		± 0.7	0.04	0.05					
	H M S	09 28 45.5			DIR	RES	DIST	AZ	W-A W P W S
WNZ	PG	09 28 45.5		-2.3	0.06	132			
	ESG	47.5		-1.9					
	E	54							
TON	ES*	09 29 09		0.2	0.73	213	1.9		
	E	17							
KRP	PG	09 29 00		-1.1	0.78	329			
	E	07							
	ESG	12		0.3					
	E	22							
TUA	P*	09 29 03		1.4	0.89	104	3.0		
	PG	05		1.6					
	E	12							
TNZ	EP*	09 29 12.5		1.7	1.43	245	3.1		
	E	19							
FELT ORUANUI MMIV									

	H M S	38.60S	176.00E	12 KM	SE	ND	AVG MAG	65/ 433	
SEP 01	09 38 12.0								
	R	R	R	R					
	H M S			DIR	RES	DIST	AZ	W-A W P W S	
WNZ	EPG	09 38 13			-1.8*	0.09	111		
	ESG	15			-1.6*				
	E	22							
KRP	EPG	09 38 27			-0.6*	0.77	331		
	E	35							
TUA	EPG	09 38 32			1.2*	0.92	103		
FELT ORUANUI MMIV									
SEP 02	H M S	04 29 07.6	37.48S	177.93E	150 KM	SE	2.0	AVG MAG	65/ 434
		± 1.5	0.06	0.09					
	H M S	04 29 28.0			DIR	RES	DIST	AZ	W-A W P W S
ECZ	P	04 29 28.0				-1.3	0.54	114	5.6 5.5
	E	36							
	S	43				-3.0			
	E	48							
GNZ	P	04 29 34.8		D	0.7	1.17	176		4.9 5.0
	E	40							
	E	47							
	ES	55			0.5				
TUA	P	04 29 38.5			1.4	1.46	204		4.3 4.6
	E	48.5							
	E	56							
	ES	30 00.5			0.8				
KRP	IP	04 29 41.8			-0.6	1.95	256		
	E	47.5							
	E	59							
	E	30 03.5							
CNZ	P	04 29 52.2		U	2.3	2.54	227		4.2 3.8
	E	30 28							
TON	E	04 29 53				2.55	227		3.8
	E	30 24							
	ES	26			3.7				
AUC	P	04 29 50.3		D	-0.2	2.59	283		
	E	56							
TNZ	P	04 30 03.1		D	4.0	3.27	237		4.6 3.6
	E	56							
ONE	P	04 30 00			0.0	3.33	300		3.9
	E	04							
	ES	38			-2.1				
WEL	EP	04 30 16			0.4	4.52	212		4.6 4.3 4.8
	E	29							
	S	31 07			-1.0				
	E	27							
KAI	S	04 32 09			-0.6	7.10	223		4.7
GPZ	E(P)	04 30 54			0.0	7.40	211		4.7
	S	32 14			-2.8				
	E	20							
MJZ	EP	04 31 10			-0.2	8.62	219		
	ES	32 44			-2.0				
	E	47							
SEP 02	H M S	23 03 25.7	39.94S	173.32E	12 KM	SE	1.4	AVG MAG	65/ 435
		± 0.5	0.03	0.04					
	H M S	23 03 46			DIR	RES	DIST	AZ	W-A W P W S
TNZ	P*	23 03 46				0.1	1.12	48	3.6 3.7
	PG	50				1.6			
	S*	04 01				0.0			
	SG	05				1.4			
COB	EP*	23 03 46				-1.8	1.23	201	3.6
	ES*	04 00				-4.2			

Station	Time (H M S)	Dir	Res	Dist (km)	Az	W-A	W-P	W-S
	11.5							
	45							
	47.5		1.1					
COR S	18 12 57.5		-2.3	4.01	221		4.	
KAI S	18 13 36		-2.4	5.74	218		4.6	
GPZ E	18 12 40			6.21	204		5.2	
	13 47		-2.1					
	49							
SEP 10	13 01 36.0	33.65S 179.02W	19	278 KM	SE	1.8	AVG MAG 4.1	65/447
		0.09 0.12						
ECZ P	13 02 47		-0.2	4.49	205		5.0	
ES	03 42		-0.9					
E	48							
GNZ P	13 02 58		-1.5	5.53	205		4.8	
E	03 17							
ES	04 06		1.0					
ONE P	13 03 03		-0.4	5.84	247		4.5	
S	04 11		-0.9					
AUC EP	13 03 07		1.8	6.00	236			
TUA EP	13 03 04.5		-0.8	6.00	210			
E	21							
S	04 16		0.6					
KRP P	13 03 07		-0.0	6.14	224			
E	28							
ES	04 16		-2.4					
CNZ EP	13 03 19		0.6	7.06	217			
E	26							
ES	04 41		2.3					
E	49							
E	56							
TU4 E	13 03 25			7.06	217		4.4	
E	38							
ES	04 42		3.1					
E	53							
E	05 03							
TNZ EP	13 03 27		1.0	7.67	222			
E	05 20							
WEL S	13 05 21		-2.9	9.08	211		5.0	
E	06 12							
KAI E	13 06 31			11.63	218			
GPZ S	13 06 28		-0.4	11.95	210		5.0	
SEP 15	14 29 07.9	41.88S 174.78E	33 KM	SE	1.0	AVG MAG 3.1	65/448	
		0.03 0.05						
WEL P*	14 29 19.7		-0.2	0.59	359		4.1	
E	22							
E	25							
S*	27.7		-0.9					
COR E(P)	14 29 35		0.1	1.73	297		3.5	
S	55		-0.2					
GPZ EP	14 29 44		-0.1	2.40	220		3.2	
S	30 10		-1.5					
KAI E	14 29 49			2.59	254		3.0	
S	30 16		-0.0					
TNZ P	14 29 50		1.7	2.71	353		3.4	
S	30 20		1.0					
ES*	37.5		6.3*					
TUN				2.74	12		3.0	
MJZ P	14 30 04.2		0.9	3.80	235		3.7	
S	46		0.3					
FRD EP	14 30 06		0.1	3.99	9			
E	17							

Station	Time (H M S)	Dir	Res	Dist (km)	Az	W-A	W-P	W-S
	25.5							
	49							
	31 05		-1.4					
SEP 17	01 18 54.3	40.24S 173.97E	168 KM	SE	1.7	AVG MAG 4.6	65/447	
		0.05 0.06						
TNZ P	01 19 23		1.2	1.10	17		3.7	4.2
E	27							
E	34							
E	40.5							
ES	43		0.0					
WEL IP	01 19 25.8	USE	3.1	1.21	150		4.8	5.2 5.5
S	46		1.3					
COR P	01 19 25		1.8	1.26	228			
E	40							
S	45		-0.6					
TUN E	01 19 29			1.59	50		4.4	
S	50.6		-0.7					
E	20 02							
CNZ P	01 19 28.0	U	1.5	1.60	50		4.4	4.5
E	52							
WNZ EP	01 20 05			2.31	46			
E	24							
KRP P	01 19 38		-0.3	2.62	28			
E	48							
E	54							
ES	20 09.5		-2.6					
E	32							
TUA P	01 19 42		0.4	2.85	61		4.0	4.4
E	20 12.5							
ES	16		-1.1					
KAI EP	01 19 44		1.1	2.99	219		4.6	
E	51							
S	20 18.5		-1.7					
GNZ P	01 19 50		0.4	3.52	64		4.4	4.7
E	20 27							
ES	30		-2.2					
E	33.5							
GPZ P	01 19 51		0.5	3.59	196		5.9	
E	20 04							
S	31		-2.8					
ECZ P	01 20 01		0.3	4.38	56		4.6	4.5
E	58							
E	21 07							
MJZ EP	01 20 04.5		1.5	4.56	214		4.2	4.5
S	54.5		-1.6					
RUX E	01 20 23			6.25	212			
ES	21 30		-6.0*					
FELT WELLINGTON MMII								
SEP 17	07 28 50.5	36.49S 178.13E	218 KM	SE	1.1	AVG MAG 4.3	65/448	
		0.04 0.05						
ECZ P	07 29 23	U	-0.7	1.24	165			
E	40							
GNZ IP	07 29 32.1	U	0.2	2.15	182		5.3	4.8
E	59							
ES	30 03		-1.1					
E	37							
TUA P	07 29 34.7		-0.2	2.44	198		4.4	4.3
ES	30 10.5		1.0					
KRP IP	07 29 36.9	UW	1.1	2.52	235			
E	43							
ES	30 11		-0.1					

Station	Type	H	M	S	Mag	Dist	Az	W-A	W-P	W-S
WNZ	E	07	29	40	2.67	216				
AUC	EP?	07	29	38.5	0.3	2,72	261			
ONE	P	07	29	42	-0.9	3,13	282	3.8		
ONE	E			49						
ONE	S			30 23	-0.6					
CNZ	P	07	29	47.0	1.1	3,39	216	3.9		
CNZ	E			58						
CNZ	E			30 40						
TON	EP	07	29	47	1.0	3,39	216	3.6		
TON	E			54						
TON	E			30 40.5						
TNZ	E	07	29	57.5		4,01	227	3.7		
TNZ	E			30 05						
WEL	EP	07	30	10.8	-0.8	5,46	208	4.9	4.3	
WEL	E			32						
WEL	S			31 14	-0.8					
COB	ES	07	31	35	2.5	6,23	221			
KAI	ES	07	32	11	-1.4	7,95	219	4.6		
KAI	E			24						
GPZ	S	07	32	18	-3.1*	8,33	209	4.6		
MJZ	P	07	31	04.0	0.4	9,50	216			
MJZ	ES			32 47	-1.1					
MJZ	E			51						
SEP 18	H M S	00	20	27.9	39.91S	177.20E	12 KM	SE	1.4	AVG MAG 4.5
SEP 18	H M S	00	20	27.9	0.02	0.03	R			
TUA	(P*)	00	20	48.0	0.2	1,10	358	4.6		
TUA	ES*			21 01.5	-1.1					
TUA	E			15						
GNZ	P	00	20	52.6	-0.4	1,42	27	4.6		
GNZ	EPG			21 01	4.4*					
GNZ	ESG			17.5	1.8					
GNZ	E			32						
CNZ	P	00	20	53.1	-0.6	1,46	298			
CNZ	IP*			54.2	0.2					
WNZ	E	00	20	56		1,54	326	4.8		
WNZ	SG			21 19	-0.8					
WNZ	E			33						
TNZ	(P*)	00	21	08.5	0.2	2,30	287	4.5		
TNZ	EPG			13	-1.4					
TNZ	ESG			47	1.6					
WEL	P	00	21	05	0.1	2,31	233	4.0	4.6	
WEL	EPG			14	-0.6					
WEL	E			20						
WEL	ES			32	-0.5					
WEL	ES*			38	-0.9					
KRP	P	00	21	04.5	-1.3	2,37	326			
KRP	P*			11	1.5					
ECZ	F	00	21	13		2,45	26	4.4		
ECZ	EPG			16	-1.4					
ECZ	E			29.5						
ECZ	ES*			44	0.9					
AUC	EP?	00	21	24	1.6	3,59	327			
AUC	EPG			39	-1.5					
AUC	ESG			22 28	-1.0					
AUC	E			39						
COB	(PG)	00	21	42	1.2	3,61	250	3.9		
COB	S*			22 06	2.0					
COB	S*			22	4.1*					
GPZ	E(P)	00	21	43	0.4	5,09	221	4.5		
GPZ	E			57						
GPZ	S			22 37	-2.8					
KAI	ES	00	22	43	3.1	5,09	237	4.2		

Station	Type	H	M	S	Mag	Dist	Az	W-A	W-P	W-S
MJZ	EP	00	22	02	1.0	6,47	229			
MJZ	S			23 11	-1.7					
MNW	ES	00	24	17	0.2	9,16	227			
SEP 18	H M S	00	52	46.6	38.63S	175.96E	173 KM	SE	1.6	AVG MAG 4.5
SEP 18	H M S	00	52	46.6	0.03	0.04	R			
SEP 18	H M S	00	52	46.6	0.03	0.04	R			
WNZ	E	00	53	14						
WNZ	E			35						
CNZ	P	00	53	12.7	D	1.2	0,65	209	4.3	4.3
CNZ	S			30.5	-0.2					
KRP	IP	00	53	12.0	DSE	-0.2	0,78	335		
KRP	S			29.0	-3.0					
KRP	E			54 17						
TUA	P?	00	53	14.0	0.6	0,95	101		4.6	4.8
TUA	I			14.4						
TUA	E			21.5						
TUA	E			28.5						
TUA	S			33	-1.1					
TNZ	EP	00	53	18.5	1.7	1,35	245		3.9	4.0
TNZ	E			33						
TNZ	ES			43	2.8					
GNZ	IP	00	53	20.3	D	0.8	1,62	91		4.4 4.8
GNZ	E			26						
GNZ	E			37						
GNZ	E			41						
GNZ	ES			43	-1.8					
AUC	P	00	53	24	0.5	2,00	332			
AUC	E			35						
AUC	ES			53	1.0					
AUC	E			54 12						
AUC	E			16						
ECZ	EP	00	53	27	0.6	2,25	66		4.6	4.6
ECZ	E			34						
ECZ	ES			58	1.0					
WEL	P	00	53	34.5	1.3	2,81	199		5.2	
WEL	S			54 09.5	0.4					
ONE	S	00	54	14	-1.9	3,12	335	3.4		
ONE	ESCS			01 07 45						
COB	E	00	53	51		3,49	224	4.8		
COB	S			54 24.5	0.3					
KAI	E	00	55	02		5,21	220	4.7		
KAI	ES			04	0.2					
GPZ	P	00	54	09	-0.6	5,64	205	5.5		
GPZ	E			55 11						
GPZ	ES			12.5	-1.6					
MJZ	EP	00	54	26.5	2.1	6,76	216			
MJZ	ES			55 38	-2.5					
MNW	P?	00	55	00.3	U	0.5	9,45	218		
MNW	ES			56 42	-2.0					
SEP 18	H M S	02	32	22.5	41.13S	172.77E	12 KM	SE	2.4	AVG MAG 3.6
SEP 18	H M S	02	32	22.5	0.04	0.05	R			
COB	IPG	02	32	21.0	-3.9	0,05	323			
WEL	EP*	02	32	50	0.5	1,51	97	3.3	3.8	4.4
WEL	S*			33 11	1.4					
WEL	ESG			14	0.4					
KAI	P*	02	32	53	-0.2	1,73	216	3.3		
KAI	S*			33 17	0.8					
KAI	ESG			24	3.1					
TNZ	EP?	02	32	59.5	0.1	2,30	33		3.3	3.5
TNZ	P*			33 02	-0.9					
TNZ	PG			10	1.0					
TNZ	S*			35	1.8					

GPZ	ESG	02 33 44	4.0						
	EPG	15	0.5	2.57	182	2.9			
	ES*	39	-2.4						
CNZ	P*	02 33 08.4	-4.3	2.87	49		3.8	3.1	
	S*	47	-3.4						
MJZ	EP	02 33 14	0.5	3.33	210		3.5	3.1	
	EP*	16.5	-4.1						
	ES	55	3.1						
	E	59							
KRP	P	02 33 19.5	-1.0	3.85	35				
	P*	32	2.6						
	ES	34 05	0.5						
	ESG	32	-0.2						

FELT CUBB RIVER

SEP 19	H M S	40.36S	173.47E	211 KM	SE	1.6	AVG MAG	4.1	
		0.05	0.06	7					
	+-	0.6							
COB	P	21 48 04	2.7	0.92	217		4.2		
	S	25	0.0						
WEL	IP	21 48 07.2	U	2.8	1.35	134	4.3	4.7	5.1
	S	31.5	1.0						
TNZ	E(P)	21 48 06	1.4	1.36	31			3.8	3.1
	E	24							
	S	30	-0.7						
TON	E	21 48 11.5		1.97	55		4.2		
	S	38.5	-1.9						
	E	39.5							
CNZ	IP	21 48 10.9	U	0.7	1.98	55		4.1	4.1
	E	39.5							
KAI	E	21 48 20		2.66	215		4.4		
	S	53	-0.9						
KRP	P	21 48 21	0.4	2.91	34				
	S	57	-2.1						
TUA	P	21 48 25	0.7	3.24	63			4.1	4.1
	E	58							
	ES	49 05	-0.7						
GPZ	E	21 48 29		3.39	190		5.3		
	S	49 07	-2.0						
GNZ	P	21 48 33.0	0.5	3.92	66			4.5	4.1
	E	49 13							
	ES	20	-0.3						
MJZ	P	21 48 38.5	1.7	4.26	211			4.0	3.1
	E	49 06							
	ES	28	0.1						
ECZ	P	21 48 42.8	D	-0.4	4.76	58		5.4	4.1
	E	49 35	-4.3*						
	S	38.5							
ROX	P	21 48 58	-0.3	5.95	209			4.1	3.1
	S	50 04	-2.5						
MNW	P	21 49 12	1.4	6.91	216				
	ES	50 27	-1.6						
	E	35							

SEP 20	H M S	39.50S	174.92E	163 KM	SE	1.6	AVG MAG	4.1	
		0.05	0.05	6					
	+-	0.7							
TNZ	P	18 19 14	0.7	0.52	307			3.9	4.1
	E	23							
	ES	31	-0.1						
	E	36.5							
	E	53							
TON	P	18 19 15	1.5	0.56	59			3.7	
	S	31	-0.5						
	E	35							

CNZ	IP	18 19 14.9	U	1.3	0.57	59		4.7	4.1
	E	32							
	E	35.5							
WNZ	(P)	18 19 20	U	1.2	1.26	47		4.4	
KRP	IP	18 19 22.8	DSW	0.2	1.64	17			
	E	36							
	S	45	-2.5						
WEL	IP	18 19 26.8	U	2.7	1.79	184		4.1	4.8 4.7
	S	51.5	1.2						
	E	20 21							
TUA	P	18 19 26.5	D	1.5	1.87	69		4.5	4.3
	E	44							
	ES	51	-0.8						
COB	EP	18 19 31.5		1.4	2.30	226		4.3	
	S	20 01	0.2						
GNZ	P	18 19 33.9		0.6	2.56	72		4.5	4.7
	E	57							
	S	20 03.5	-2.9						
ECZ	P	18 19 44.2		0.7	3.37	59		4.7	4.4
	E	20 15							
	S	23	-1.3						
KAI	E	18 19 56			4.02	220		4.4	
	S	20 38	-1.5						
GPZ	P	18 19 59		0.5	4.53	201		4.6	
	S	20 48	-3.2						
MJZ	P	18 20 14.0	U	1.6	5.59	215		4.0	4.2
	S	21 14	-2.1						
ROX	EP	18 20 34.5		-0.3	7.27	213			
	S	21 52	-4.2*						
MNW	EP?	18 20 48		-0.0	8.26	218			
	ES	22 20	0.0						

SEP 21	H M S	36.88S	179.73E	166 KM	SE	1.7	AVG MAG	4.5	
		0.10	0.11	11					
	+-	1.6							
ECZ	P	03 15 53.1	D	-2.1	1.24	229			
GNZ	P	03 16 05.3		-0.3	2.22	217		4.5	4.7
	E	22							
	E	26							
	ES	35	-0.6						
	E	39							
TUA	P	03 16 13.2	D	0.4	2.80	226		4.6	4.6
	ES	50	1.7						
	E	52							
KRP	P	03 16 20		-1.5	3.49	251			
	E	35							
	S	17 02	-1.8						
CNZ	P	03 16 29.4		1.0	4.03	234		3.9	4.0
	E	48							
	S	17 17	0.9						
TON	E	03 16 37			4.04	234		4.2	
	E	49							
	ES	17 17.5	1.3						
TNZ	P	03 16 42		3.4	4.81	240		4.3	3.5
	E	17 04							
	E	27							
	E	42							
WEL	E	03 16 54			5.85	220		5.4	4.0 5.2
	ES	18 00	1.2						
COB	ES	03 18 23	-0.2	6.87	230			4.8	
KAI	S	03 19 01	-1.6	8.53	226			4.9	
GPZ	S	03 19 04	-2.3	8.69	216			5.4	
MJZ	P	03 17 48	0.9	10.00	222				
	S	19 37	-0.3						



		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S
WNZ	EPG	09	12	41.3		-0.6	0.21	70			
	E			43							
CNZ	(P*)	09	12	46		-1.7	0.55	206	2.9		
	EPG			49		0.5					
	E			13 01							
KRP	(P*)	09	12	51.0	UNW	-1.2	0.82	342			
	S*			13 04		0.7					
TUA	E(P*)	09	12	55		-0.7	1.02	96	3.3		
	E			57							
	S*			13 10		0.5					
TNZ	E(P*)	09	13	00		0.4	1.25	247	3.3		
	ESG			20		0.7					
GNZ	E(PG)	09	13	13		1.4	1.70	89	3.4		
FELT ACACIA BAY MMIV											
SEP 26		H	M	S							
		11	38	55.3							
				0.02							
				0.02							
		H	M	S	DIR <th>RES</th> <th>DIST</th> <th>AZ</th> <th>W-A</th> <th>W-P</th> <th>W-S</th>	RES	DIST	AZ	W-A	W-P	W-S
WNZ	(PG)	11	39	00		-0.0	0.21	74			
	E			01							
CNZ	(P*)	11	39	05		-1.0	0.56	205	2.8		
	EPG			07		0.1					
	ESG			16		1.3					
TON	ES*	11	39	13		-1.1	0.57	205	2.0		
	E			19							
	E			24							
KRP	(P*)	11	39	09		-1.1	0.80	342			
	S*			22		0.9					
TUA	(P*)	11	39	14		0.1	1.02	97	3.0		
	S*			28.5		0.7					
	SG			36		6.0*					
TNZ	PG	11	39	19		-1.7	1.25	246	3.0		
	ES*			35		0.4					
	ESG			39		1.4					
	E			49							
SEP 28		H	M	S							
		04	40	23.0							
				0.02							
				0.03							
		H	M	S	DIR <th>RES</th> <th>DIST</th> <th>AZ</th> <th>W-A</th> <th>W-P</th> <th>W-S</th>	RES	DIST	AZ	W-A	W-P	W-S
COB	E	04	40	45		-1.2	1.19	195	2.6		
	S*			59							
TNZ	P*	04	40	44.5		-0.5	1.22	52	3.5		
	PG			48		0.2					
	E			57							
	ES*			41 02		0.6					
	E			13							
WEL	EP*	04	40	55.5		0.1	1.83	138	3.7	3.6	
	S*			41 19		-0.6					
TON	EP*	04	40	58		-0.2	2.00	69	3.1		
	EPG			41 02		-1.4					
	ES*			25		0.3					
	ESG			31		0.6					
CNZ	P?	04	40	55.4	D	-0.5	2.01	69	3.7		
	P*			57.5		-0.9					
	PG			41 02		-1.6					
	ES			22		1.7					
	ES*			26		1.1					
KRP	P?	04	41	06		-0.2	2.75	44			
	EP*			11.5		0.4					
	PG			18		-0.6					
	S			38		-0.8					
	S*			48		0.7					
KAI	P*?	04	41	15		1.5	2.89	206			
	ES			46		3.8*					

		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S
	ESG			42 01		0.5					
GPZ	S	04	42	04		0.9	3.77	185			
SEP 28		H	M	S							
		18	43	33.8							
				0.04							
				0.06							
		H	M	S	DIR <th>RES</th> <th>DIST</th> <th>AZ</th> <th>W-A</th> <th>W-P</th> <th>W-S</th>	RES	DIST	AZ	W-A	W-P	W-S
GPZ	P*	18	43	49.8		0.5	0.85	190	3.7		
	E			53							
	E			55.5							
	S*			44 00		-0.8					
KAI	E(P*)	18	43	54		0.0	1.12	287	3.7		
	E			58							
	E			44 02							
	S*			08		-1.0					
COB	E	18	44	15			1.78	357	3.1		
	ES			25		-0.7					
	ES*			29		0.2					
	ESG			35		1.2					
MJZ	P	18	44	07	D	-0.6	2.07	236		3.8	3.5
	EPG			18		2.3					
	S			31		-1.6					
WEL	E(PG)	18	44	14		-2.8	2.12	43	3.3		3.9
	ES*			31		-8.2*					
TON	ES*	18	45	45		3.9	4.18	30	3.6		
	ESG			55		0.2					
CNZ	P*?	18	44	53		6.5	4.19	30		3.5	3.5
	E			45 06							
	SG			53		-2.0					
MNW	S	18	45	39		1.3	4.76	230			3.0
KRP	EP?	18	44	54		2.2	5.34	23			
	P*			45 02		-4.3					
	EPG			17		-4.8					
	ES			52		0.2					
	ES*			46 08		-7.9*					
FELT CHEVIOT MMIV AND MELROSE MMIII											
SEP 02		H	M	S							
		18	56	29.1							
				0.01							
				0.01							
		H	M	S	DIR <th>RES</th> <th>DIST</th> <th>AZ</th> <th>W-A</th> <th>W-P</th> <th>W-S</th>	RES	DIST	AZ	W-A	W-P	W-S
WNZ	SG	18	56	39.0		-0.1	0.28	62			
CNZ	EPG	18	56	39.0		0.1	0.48	203			
	ESG			45.0		-0.5					
	I			48.8							
TON	E	18	56	37			0.48	204	2.4		
	SG			46		0.3					
KRP	IPG	18	56	46.9	U	0.3	0.86	347		3.4	
	SG			58.0		-0.2					
TUA	EPG	18	56	50.8		0.1	1.07	93		3.4	
TNZ	PG	18	56	53.0		0.0	1.18	248		3.7	
	E			57 12.5							
GNZ	E	18	57	07.8			1.75	87			
SEP 02		H	M	S							
		19	51	07.5							
				0.03							
				0.01							
		H	M	S	DIR <th>RES</th> <th>DIST</th> <th>AZ</th> <th>W-A</th> <th>W-P</th> <th>W-S</th>	RES	DIST	AZ	W-A	W-P	W-S
TUA	PG	19	51	18.0		-0.8	0.54	47		3.3	3.4
	SG			27.0		0.8					
	E			30.0							
CNZ	PG	19	51	24.8		-0.1	0.85	268		2.8	3.1
	I			26.2							
	SG			36.9		0.5					
GNZ	EPG	19	51	32		0.0	1.20	64		2.9	
	E			47							
	E			55							

		H	M	S			DIR	RES	DIST	AZ	W-A	W-P	W-S
KRP EPG		19	51	38				-0.4	1.52	325			
ESG				59				-0.0					
FELT RUKUMOAANA MM IV													
EPICENTRE 6M NNW OF RUKUMOAANA													
OCT 03		16	46	25.5	38.70S	175.91E	12 KM		SE	0.5	AVG MAG		
				+- 0.2	0.01	0.01	R						
WNZ	ESG	16	46	31.8			DIR	RES	DIST	AZ	W-A	W-P	W-S
	E			33.8				-0.5	0.17	65			
CNZ	EPG	16	46	37.0				-0.2	0.57	209			
	ESG			45.0				-0.1					
KRP	PG	16	46	42.0				-0.4	0.83	339			
	SG			54.0				0.3					
TUA	EPG	16	46	46				0.6	0.98	97			
	ESG			47 01				2.3*					
TNZ	EPG	16	46	52.0				0.4	1.29	247			
	ESG			47 08.8				-0.2					
GNZ	E	16	47	11					1.66	89			
OCT 04		03	12	34.6	33.15S	179.75W	310 KM		SE	1.7	AVG MAG		
				+- 1.5	0.10	0.13	R						
ECZ	P	03	13	51			DIR	RES	DIST	AZ	W-A	W-P	W-S
ONE	P	03	14	00				0.9	4.74	197			
	S			15 04				0.9	5.53	240	5.0		
KRP	EP	03	14	06.0				-0.2	6.12	218			
	I			08.3									
	E			15 24									
TUA	EP	03	14	05.4				-1.5	6.18	203			
	I			08.0									
	E			15 14									
CNZ	S			20				0.6					
	EP	03	14	17.0				-1.5	7.14	211			
	I			20.0									
	S			15 42				1.9					
TNZ	EP	03	14	28				3.0	7.67	217			
WEL	P	03	14	43.0				-1.0	9.22	207	6.3		
	S			16 24				-1.9					
KAI	ES	03	17	21				0.9	11.68	214	5.4		
GPZ	P	03	15	18				-1.2	12.10	207	6.0		
	S			17 28				-1.4					
MJZ	EP	03	15	34				0.9	13.25	212			
	ES			17 56				1.2					
USCGS EPICENTRE 03 12 34 32.7S 179.9E 170KM MAG 4.7													
OCT 04		11	37	38.9	40.09S	175.16E	33 KM		SE	1.1	AVG MAG		
				+- 0.4	0.02	0.03	R						
TON	EP*	11	37	57			DIR	RES	DIST	AZ	W-A	W-P	W-S
	S*			38 09				0.4	0.93	18	3.4		
CNZ	IP*	11	37	56.2				-0.5	0.93	19	3.8		
	S*			38 09				-0.5					
TNZ	P*	11	37	59.0				0.1	1.08	326	3.8		
	ES*			38 13.0				-0.7					
WEL	EP*	11	38	02.0				0.5	1.24	194	3.6		
	ES*			17.2				-1.1					
TUA	EP*	11	38	16				1.5	2.00	51	3.7		
	E			34									
	E			44									
COB	ESN	11	38	37				1.8	2.10	241	3.3		
GPZ	ESN	11	39	22				-1.1	4.07	207	3.9		
FELT WANGANUI AND HARTON MM IV													

		H	M	S			DIR	RES	DIST	AZ	W-A	W-P	W-S
OCT 05		05	32	27.0	38.16S	176.47E	220 KM		SE	2.5	AVG MAG	65/ 468	
				+- 2.0	0.12	0.10	R						
KRP	IP	05	32	56.1			DIR	RES	DIST	AZ	W-A	W-P	W-S
	S			33 17.4			U	-1.6	0.77	288	3.9 3.6		
TUA	P	05	32	59.5				1.4	0.84	140	4.2 4.3		
	ES			33 20				-2.2					
CNZ	IP	05	33	02.0				1.1	1.26	215	3.8 3.6		
	ES			30				2.9					
TON									1.27	215	3.3		
GNZ									1.31	112	4.8 4.5		
ECZ	P	05	33	06.0				1.4	1.71	75			
	S			34.0				0.3					
TNZ	P	05	33	08.0				1.3	1.93	237	3.9 3.6		
	ES			41				3.7					
WEL	P	05	33	23.2				0.5	3.38	202	4.6 5.1 4.4		
	S			34 05				-0.8					
GPZ	EP	05	33	57				-1.3	6.24	206	4.7		
	ES			35 07				-2.5					
ECZ VERY FAINT TRACE													
OCT 08		11	00	39.7	39.69S	176.90E	33 KM		SE	1.3	AVG MAG	65/ 469	
				+- 0.8	0.04	0.04	R						
TUA	P*	11	00	56.0			DIR	RES	DIST	AZ	W-A	W-P	W-S
	ES*			01 08.4				-1.1	0.90	12	3.8 3.9		
	E			11.4									
CNZ	P*	11	01	00.4				-0.7	1.16	295	3.8 3.9		
	S*			17				0.2					
TUN	E(P*)	11	01	01				-0.2	1.16	294	3.5		
	S*			15				-2.0					
GNZ	EPN	11	01	02				0.3	1.36	40	3.3		
	E			09									
	I			14.2									
	E			37									
TNZ	EP*	11	01	15				-0.6	2.02	284	3.7		
	E			45									
KRP	EPN	11	01	12				0.7	2.06	328	3.1 3.6		
	EP*			18				1.6					
	E			28									
WEL	ES*			46				2.3					
	ESN	11	01	41				0.6	2.28	225	3.4		
OCT 09		04	44	33.8	33.49S	179.93W	315 KM		SE	1.9	AVG MAG	65/ 470	
				+- 1.6	0.11	0.22	R						
ECZ	P	04	45	45.0			DIR	RES	DIST	AZ	W-A	W-P	W-S
	E			49.2				-0.3	4.38	196	5.5 5.4		
	S			46 44				2.6					
ONE	P	04	45	53.2				-1.8	5.23	243			
GNZ	EP	04	45	54.2				-2.9	5.41	197	5.2 5.2		
	I			46 00.0									
	ES			47 03				0.6					
AUC	I	04	46	00					5.49	231			
KRP	EP	04	46	02.0				0.8	5.76	219	4.7		
	I			03.2									
	I			11									
TUA	EP	04	46	00				-1.8	5.81	203	4.9 5.0		
	I			06.0									
	ES			47 11				0.1					
CNZ	EP	04	46	13.2				-0.1	6.77	211			
	ES			47 39				7.6*					
	I			39									



Station	Code	Time (H M S)	Dir	Res	Dist (km)	Az	W-A	W-P	W-S
TNZ	EP	04 46 22.0		2.2	7.31	217			
	I	23.2							
WEL	P	04 46 37.0		-1.6	8.85	207	5.8		
	S	48 16		-0.9					
KAI	EP	04 47 12		3.3	11.31	215	5.4		
	S	49 12		0.8					
GPZ	EP	04 47 14		0.2	11.73	207	5.7		
	ES	49 17		-3.3					
MJZ	EP	04 47 28		0.2	12.88	213			
	ES	49 46		0.4					
ROX	EP	04 47 49		1.6	14.55	212			
USCGS	EPICENTRE	04 44 29. 33.0S	179.9W	188KM			MAG 4.6		
OCT 09		H M S							
		22 51 02.8	44.89S	167.81E	89 KM	SE	0.6	AVG MAG	
		+/- 0.6	0.05	0.03	12				
		H M S	DIR	RES	DIST	AZ	W-A	W-P	W-S
MNW	IP	22 51 21.8	U	0.2	0.90	188			
	S	35.2		-0.6					
ROX	IP	22 51 25.8		0.2	1.22	119	4.8		
	S	43		0.4					
MJZ	P	22 51 37.0		-0.0	2.11	66	4.4		
	IS	52 02.8		0.5					
	I	05.0							
KAI	EP	22 51 57		0.4	3.52	49	4.3		
	S	52 37		-0.3					
GPZ	EP	22 51 59		0.3	3.67	73	4.4		
	ES	52 40		-1.1					
OCT 10		H M S							
		05 48 14.9	38.74S	175.86E	12 KM	SE	0.3	AVG MAG	
		+/- 0.1	0.01	0.01					
		H M S	DIR	RES	DIST	AZ	W-A	W-P	W-S
WNZ	PG	05 48 20.1		0.4	0.21	61			
	ISG	22.8		-0.2					
	I	24.2							
CNZ	PG	05 48 25.8		0.1	0.52	208			
	I	26.9							
KRP	PG	05 48 32.2		-0.0	0.85	342	3.4		
	E	47.3							
TUA	EPG	05 48 35.0		-0.4	1.01	94	3.5		
	SG	49.2		0.2					
TNZ	PH	05 48 40		-0.1	1.24	248	3.7		
GNZ	E	05 48 52		1.69	88				
	E	49 19							
OCT 10		H M S							
		11 05 47.5	39.89S	175.53E	33 KM	SE	1.7	AVG MAG	
		+/- 0.5	0.03	0.04					
		H M S	DIR	RES	DIST	AZ	W-A	W-P	W-S
TON	(P*)	11 06 01.9		0.8	0.69	1	3.7		
	S*	10.2		-0.8					
CNZ	P*	11 06 00.8		-0.4	0.69	1			
	ES*	11.8		0.7					
TNZ	P*	11 06 07.0		-1.4	1.13	308	3.9		
	ES*	21.3		-2.5					
WEL	P*	11 06 13.6		-1.1	1.51	202	4.0		
	S*	33		-1.9					
TUA	P*	11 06 19.6		2.3	1.66	50	4.2		
	E	45							
KRP	PN	11 06 18.0		0.3	1.97	0	3.9		
	P*	22		-0.5					
	ES*	48		-0.6					
GNZ	EP*	11 06 25.8		-2.5	2.31	58	3.6		
	E	36							
	E	43							
	IS*	59		0.3					

COB	EPN	11 06 25		0.8	2.44	240	3.7		
	ESN	55		2.9					
	E	07 11							
KAI	ES*	11 07 53		1.4	4.07	228	4.1		
DNE	EP*	11 07 04		3.1	4.21	347			
	E	08 06							
GPZ	E	11 07 04			4.37	209	4.3		
	ESN	38		-1.0					
FELT MANGANUI MM IV									
	H M S							65/ 474	
OCT 11		10 27 07.2	34.28S	179.92W	33 KM	SE	1.2	AVG MAG	4.7
		+/- 1.4	0.07	0.12					
		H M S	DIR	RES	DIST	AZ	W-A	W-P	W-S
ECZ	P	10 28 01.4		1.2	3.63	200		4.6	4.6
	E	49							
GNZ	EP	10 28 14.0		-0.3	4.66	200		4.5	5.4
	ES	29 07		1.2					
	I	34.3							
DNE	P	10 28 18.3		0.4	4.92	251			
TUA	EP	10 28 19		-1.2	5.10	207		4.2	4.5
	I	20.4							
	E	32							
	E	29 23							
	E	43							
KRP	EP	10 28 22		0.8	5.17	224		4.0	
	E	29 27							
CNZ	EP	10 28 33		-0.9	6.11	215			
	E	29 44.5							
WEL	ES	10 30 30		0.2	8.16	209		5.3	
GPZ	ES	10 31 36		-1.8	11.03	209		5.2	
MJZ	ES	10 32 06		0.5	12.22	215			
APPEARANCE OF SEISMOGRAMS INDICATE SHALLOW DEPTH									
	H M S							65/ 475	
OCT 11		10 37 24.2	38.76S	175.81E	12 KM	SE	0.5	AVG MAG	3.6
		+/- 0.2	0.01	0.01					
		H M S	DIR	RES	DIST	AZ	W-A	W-P	W-S
WNZ	E	10 37 30.0			0.27	60			
	E	33.3							
CNZ	IPG	10 37 34.0	D	-0.2	0.48	205			
	ISG	41.0		0.2					
TON					0.49	206		2.7	
KRP	PG	10 37 41.4	U	-0.4	0.86	346		4.2	
	I	44.0							
	ISG	53.8		0.3					
TUA	PG	10 37 45.0		-0.5	1.05	93			
	I	49.3							
	E	38 02							
TNZ	PG	10 37 48.6		0.2	1.19	249		3.7	3.7
	ESG	38 04.4		-0.1					
	I	07.0							
GNZ	EPG	10 38 00.0		0.6	1.74	87		3.7	
	E	04.0							
					2.64	197		3.6	
	H M S							65/ 476	
OCT 11		10 46 44.2	38.76S	175.84E	12 KM	SE	0.7	AVG MAG	3.0
		+/- 0.3	0.03	0.02					
		H M S	DIR	RES	DIST	AZ	W-A	W-P	W-S
WNZ	E	10 46 50.3			0.24	59			
	E	54.0							
	E	55.2							
CNZ	PG	10 46 54.0		-0.5	0.50	207			
	E	47 00.2							
	E	02.0							
TON					0.51	208		2.1	

		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
KRP	PG	10 47	01.6		-0.2	0.86	344				3.3
	I		04.0								
	E		16.8								
TUA	PG	10 47	05.4		0.4	1.02	93				3.3
TNZ	PG	10 47	08.6		-0.3	1.22	249				3.3
	ESG		26.0		0.6						
OCT 11	H M S	11 42	43.7								
	++	0.1									
	H M S	38.76S	175.85E								
	DIR			12 KM		SE	0.2				AVG MAG 3.1
	R										
WNZ	E	11 42	50.0			0.23	57				
	E		54.0								
	E		43 00.0								
CNZ	PG	11 42	54.0	D	-0.1	0.50	208				
	ISG		43 01.0		0.0						
	E		06.4								
KRP	EPG	11 43	01.4		-0.0	0.87	343				3.0
	I		04.4								
	E		17.0								
TUA	EPG	11 43	04.4		-0.0	1.02	93				3.3
TNZ	EPG	11 43	08.8		0.2	1.22	249				3.3
	SG		25.0		-0.1						
GNZ	E	11 43	21			1.70	87				
OCT 12	H M S	06 08	01.0								
	++	0.8									
	H M S	43.30S	170.51E								
	DIR			33 KM		SE	1.9				AVG MAG 3.1
	R										
MJZ	IP+	06 08	13.0	U	-1.7	0.69	182				4.2
	I		16.9								
KAI	EP+	06 08	17.7		-0.2	1.02	41				3.5
	E		24.8								
	IS+		33.0		-0.9						
	E		39.3								
GPZ	PN	06 08	26.0		-0.3	1.61	105				3.2
	ES+		51.6		0.2						
	E		57.2								
ROX	PN	06 08	37.8		1.4	2.34	201				4.0
	S+		09 13.3		-0.0						
	E		19.6								
	EP+		08 44.4		2.0						
	E		58.2								
MNW	PN	06 08	51		2.4	3.23	219				3.8
	E		09 03								
	ES+		37		-3.0						
OCT 13	H M S	07 58	10.5								
	++	0.5									
	H M S	38.85S	175.92E								
	DIR			12 KM		SE	0.8				AVG MAG 3.1
	R										
WNZ	IPG	07 58	15.4		-0.8	0.26	34				
	I		18.0								
	ISG		21.0		0.9						
TUA	EPG	07 58	30.3		0.2	0.96	88				3.5
	ESG		43		-0.2						
KRP	PG	07 58	29.8		-0.5	0.97	342				2.9
	E		41								
	E		45								
TNZ	PG	07 58	36.2		0.4	1.25	254				
	E		59.0								
OCT 14	H M S	03 26	42.4								
	++	0.1									
	H M S	38.77S	175.90E								
	DIR			12 KM		SE	0.3				AVG MAG 3.1
	R										

		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
WNZ	EPG	03 26	47.0		-0.2	0.21	50				
	ESG		50.6		0.2						
CNZ	EPG	03 26	53.0		0.0	0.51	212				2.8
	E		27 01								
KRP	PG	03 27	00.5		0.0	0.89	341				
	E		18								
TUA	PG	03 27	02		-0.4	0.98	93				3.6 3.4
	ESG		16		0.3						
TNZ	PG	03 27	08.0		0.1	1.25	250				3.5 3.4
	E		28.2								
KRP Z OUT OF FOCUS											
OCT 14	H M S	04 13	31.5								
	++	0.1									
	H M S	38.80S	175.92E								
	DIR			12 KM		SE	0.3				AVG MAG 3.4
	R										
WNZ	EPG	04 13	36.2		-0.3	0.22	41				
	ESG		40.0		0.3						
CNZ	PG	04 13	42.0		0.2	0.50	216				
	I		45.0								
KRP	PG	04 13	50.0		-0.3	0.92	341				3.3 3.1
	ESG		14 03		0.2						
TUA	EPG	04 13	51.0		-0.1	0.96	91				3.5 3.4
	E		14 07								
TNZ	PG	04 13	57.0		-0.1	1.26	252				3.5
	E		14 17								
OCT 14	H M S	16 55	51.5								
	++	1.0									
	H M S	39.29S	175.64E								
	DIR			61 KM		SE	1.6				AVG MAG 3.5
	R										
CNZ	IP	16 56	00.2		-0.8	0.12	321				
	S		09.0		0.9						
TNZ	ES	16 56	22		-1.6	0.99	276				3.2
	E		26								
TUA	P	16 56	14.0		0.3	1.27	68				3.7 3.4
	ES		29.2		-1.1						
KRP	IS	16 56	34.0		1.4	1.37	356				
WEL	E	16 56	27		2.10	198	3.3				3.7
	ES		51		1.0						
WORKED OUT BECAUSE OF POSSIBLE RELATIONSHIP TO TAUPO SWARM											
OCT 15	H M S	02 28	22.1								
	++	0.2									
	H M S	38.73S	175.90E								
	DIR			12 KM		SE	0.3				AVG MAG 3.3
	R										
WNZ	SG	02 28	29.2		-0.1	0.19	58				
	E		32.0								
	I		33.6								
CNZ	PG	02 28	33.0		-0.3	0.54	210				3.0 3.2
	ESG		40.8		0.0						
TON	E					0.55	211				2.4
TUA	EPG	02 28	42.2		0.2	0.98	95				3.7
	E		58								
TNZ	PG	02 28	48.0		0.2	1.27	248				3.5
	E		29 09								
GNZ	E	02 29	02			1.66	88				3.9
OCT 16	H M S	02 25	23.9								
	++	1.7									
	H M S	38.51S	176.03E								
	DIR			188 KM		SE	1.9				AVG MAG 4.2
	R										
KRP	P	02 25	52.6		1.5	0.79	208				4.1
CNZ	P	02 25	52.7		0.7	0.93	109				4.2 4.3
TUA	P	02 25	52.7		0.7	0.93	109				4.2 4.3
	ES		26 12		-1.8						

STATION	TYPE	H	M	S	RES	DIST	AZ	W-A	W P	W S
GNZ	P	02	25	58.4	1.0	1.57	96	3.9		
	S	26	24		0.7					
ECZ	EP	02	26	04.7	1.3	2.14	69	4.3		
	S			31.5	-2.3					
WEL	P	02	26	14.3	1.4	2.94	199	4.3	4.5	
	ES			52	1.4					
COB	ES	02	27	06	0.7	3.62	224	4.3		
KAI	ES	02	27	42	-2.6	5.34	220	4.5		
GPZ	S	02	27	53	-1.9	5.78	205	4.8		
OCT 16										
	H M S	06	18	00.8	38.68S	175.90E	12 KM	SE	0.6	AVG MAG 3.1
	+-	0.4			0.04	0.03	R			
WNZ	SG	06	18	06.9						
	I			10.0						
CNZ	PG	06	18	13.2			0.4	0.59	208	2.8
	I			16.6						
	ISG			20.4			-0.5			
TON								0.59	209	2.4
TUA	PG	06	18	21.2			0.5	0.98	98	3.7
	E			33						
TNZ	EPG	06	18	27.0			0.1	1.29	247	3.5
OCT 15										
	H M S	15	27	25.4	38.78S	175.95E	12 KM	SE	0.5	AVG MAG 3.1
	+-	0.2			0.02	0.02	R			
WNZ	PG	15	27	29.8						
	ISG			33.0						
CNZ	PG	15	27	35.9			-0.4	0.53	216	2.9
	I			38.2						
	ISG			44.0			0.5			
TON								0.53	217	2.3
TUA	PG	15	27	44.0			-0.6	0.94	92	
	E			57.8						
TNZ	EPG	15	27	51.4			-0.2	1.29	251	3.5
GNZ	EPG	15	27	59			0.5	1.63	86	3.6
OCT 17										
	H M S	16	45	51.9	38.75S	175.89E	12 KM	SE	0.3	AVG MAG 3.1
	+-	0.1			0.01	0.01	R			
WNZ	PG	16	45	56.2			-0.3	0.20	55	
	ISG			46			0.4			
CNZ	PG	16	46	03.0			0.3	0.53	211	2.9
	I			05.0						
TON								0.53	211	2.2
KRP	IPG	16	46	09.8			0.2	0.87	341	
	ISG			21.2			-0.2			
TUA	EPG	16	46	12.0			0.1	0.98	94	3.6
	ESG			25			-0.3			
TNZ	EPG	16	46	17.2			-0.2	1.26	249	3.5
	E			37						
OCT 18										
	H M S	08	56	22.0	33.02S	179.64W	381 KM	SE	1.5	AVG MAG 3.1
	+-	1.6			0.20	0.30	21			
ECZ	ES	08	58	46			0.5	4.89	197	
GNZ	EP	08	57	52			-1.6	5.92	198	4.5
	ES			59			1.4			
KRP	EP	08	57	58			0.4	6.28	217	
TUA	E	08	58	02				6.33	203	
	ES			59			0.0			
CNZ	EP	08	58	10			0.7	7.29	211	
	E			59						

STATION	TYPE	H	M	S	RES	DIST	AZ	W-A	W P	W S
WEL	EP	08	58	32	-1.6	9.38	207	5.9		
	S	09	00	16	-1.6					
COB	ES	09	00	32	-0.9	10.09	215	5.3		
KAI	ES	09	01	11	1.0	11.83	214	5.5		
MJZ	EP	08	59	22	1.6	13.40	212			
	E	09	01	42						
OCT 18										
	H M S	14	28	16.0	44.69S	167.60E	33 KM	SE	1.2	AVG MAG 4.0
	+-	1.2			0.05	0.07	R			
MNW	IP	14	28	34.8			0.6	1.09	179	4.3
	S			47.2			-0.5			
ROX	P	14	28	39.2			0.1	1.45	123	4.5
	S			55.8			-0.7			
MJZ	P	14	28	49.8			0.6	2.18	72	3.4
	S			29			0.8			
KAI	ES	14	29	45	-1.9	3.52	53	3.9		
GPZ	ES	14	29	54	1.0	3.77	76	4.0		
OCT 18										
	H M S	16	56	09.9	38.49S	176.09E	159 KM	SE	1.5	AVG MAG 4.6
	+-	0.7			0.03	0.04	8			
WNZ	EP	16	56	31.7			0.4	0.14	177	
KRP	IP	16	56	34.0			0.4	0.72	322	
	S			50.2			-1.7			
CNZ	P	16	56	35.9			1.6	0.83	211	4.5
	E			57						
TON	EP	16	56	36.2			1.9	0.83	211	3.4
	E			57						
TUA	P	16	56	35.7			1.0	0.89	111	4.6
	S			52.5			-1.4			
TNZ	P	16	56	43.0			2.5	1.51	242	4.5
	E			57						
GNZ	P	16	56	40.7			0.1	1.52	96	4.3
	E			53.5						
	ES			57			-1.2			
AUC	P	16	56	45.5			0.4	1.93	327	4.8
ECZ	P	16	56	46.8			-0.1	2.09	68	4.7
	S			57			0.3			
WEL	P	16	56	58.0			0.1	2.97	200	4.6
	S			57			1.3			
ONE	EP	16	57	00			1.2	3.04	332	3.9
	ES			35			-1.3			
COB	S	16	57	50			-0.5	3.66	224	4.6
KAI	ES	16	58	28			-2.9	5.38	220	4.7
GPZ	EP	16	57	33			-2.0	5.82	206	5.1
	ES			58			-4.2*			
MJZ	P	16	57	50			-0.0	6.94	216	
	S			59			-3.9*			
OCT 18										
	H M S	22	11	52.9	44.36S	171.19E	33 KM	SE	1.1	AVG MAG 4.0
	+-	0.5			0.03	0.03	R			
MJZ	IP*	22	12	05.1			-0.6	0.64	305	4.4
	S*			15.3			0.3			
GPZ	EP*	22	12	15.2			-0.4	1.24	58	4.1
	S*			33			0.5			
ROX	E	22	12	25.0				1.74	229	4.3
	S*			45.6			-1.5			
KAI	E	22	12	28				1.84	5	3.6
	S*			50			-0.3			
MNW	EPN	22	12	37			1.0	2.90	239	3.7
	ES*			13			1.0			
FELT TIMARU MMIV EPICENTRE 8M NORTH OF TIMARU										

		H	M	S	E		R	RES	DIST	AZ	W-A	W-P	W-S
				21,0	43,0			2,1					
KAI	E	15	58	23				4,01	47	4,2			
GPZ	EPN	15	57	32				-0,8	4,07	68	4,4		
				58	17			-1,0					
COB	ESN	15	58	59				0,6	5,74	44	4,7		
				43,80S	170,53E			33 KM	SE	0,9	AVG MAG		
OCT 27		22	52	51,6	0,03		0,03						
				0,3									
MJZ	IP*	22	52	57,2			DIR	-0,8	0,19	193			
				53	03,0								
KAI	EP*	22	53	18,4				0,9	1,42	27	3,5		
				36,0				-0,6					
GPZ	P*	22	53	20,0				0,6	1,54	87	3,9		
				39,4				-0,5					
ROX	P*	22	53	26,0				0,7	1,89	207	3,9		
				50,8				0,4					
MNW	E	22	53	50,4					2,87	225			
				54	19			-0,7					
				38,73S	175,98E			12 KM	SE	0,2	AVG MAG		
OCT 28		07	34	26,0	0,01		0,01						
				0,1									
WNZ	ESG	07	34	31,8			DIR	-0,1	0,14	46			
				35,0									
GNZ	IPG	07	34	37,8				-0,1	0,58	215	2,8		
				39,2									
TUA	EPG	07	34	44,8				0,1	0,92	95	3,9		
				47									
GNZ	E	07	34	53,0				0,1	1,33	249	3,5		
				55,0									
GNZ	E	07	35	01					1,60	88			
				01									
				33,85S	179,16W			33 KM	SE	3,2	AVG MAG		
OCT 29		03	48	14,2	0,20		0,35						
				3,5									
GNZ	P	03	49	27,0			DIR	-3,0	5,30	205	4,7		
				50	33			4,7					
ONE	EP	03	49	35,0				0,2	5,66	248			
				32				-4,4	5,78	210	4,7		
TUA	P	03	49	32									
				50	57			0,4	6,83	217			
GNZ	EP?	03	49	51									
				50	04			-3,0					
GNZ	E	03	50	00				1,2	7,44	222			
				04									
WEL	ES	03	51	53				-0,3	8,85	211	5,6		
				14				1,1	9,68	219	5,2		
COB	ES	03	52	14				-1,9	11,72	211	5,4		
				59				-0,1	12,94	215			
MJZ	ES	03	53	29				5,2	15,63	216			
				50									
MNW	EP	03	51	50									
				01,5	33,6S			178,4W	33KM				
				34,22S	177,45W			197 KM	SE	7,4	AVG MAG		
OCT 29		04	07	28,5	0,43		0,50						
				7,2				89					
GNZ	P	04	08	51,6			DIR	-1,4	5,73	218	4,7		
				10	01			2,4					
TUA	EP	04	08	58,6				-2,0	6,32	222			
				58,6									

		H	M	S	E		R	RES	DIST	AZ	W-A	W-P	W-S
				10	21			8,7					
ONE	EP	04	09	01				-7,2	6,90	255	5,2		
				10	32			6,1					
GNZ	EP	04	09	16				-0,1	7,51	227			
				10	46			5,8					
TNZ	EP?	04	09	16				-9,5	8,22	231			
				22									
WEL	ES	04	11	17				-2,9	9,37	219	5,8		
				17				-6,5	10,37	226	5,3		
COB	ES	04	11	39				-7,8	12,20	216	5,5		
				25				-4,2	13,52	220			
GPZ	EP	04	11	04				30,6*	15,13	218			
				04	11			10,5	16,23	220			
MJZ	EP	04	11	15				8,1					
ROX	EP	04	11	15									
MNW	EP	04	11	15									
				28,1	33,5S			178,6W	41KM				
				34,75S	178,09W			176 KM	SE	2,9	AVG MAG		
OCT 29		04	09	02,2	0,44		0,49						
				3,5				31					
GNZ	EP?	04	10	15			DIR	-1,6	4,98	218	5,2	5,1	
				26									
WEL	E	04	11	13				-1,2	5,56	222			5,1
				32				4,1	6,75	227			
TUA	S	04	10	36				-3,9	8,62	219	5,9		
				36				2,0	9,62	226	5,4		
GNZ	EP	04	10	36				-0,1	11,29	223	5,4		
				58				-0,5	11,45	216	5,6		
WEL	ES	04	12	40				1,7	12,77	220			
				40				-2,1					
COB	ES	04	13	01					14,39	218			
				01				3,7	15,48	220			
KAI	ES	04	13	43									
				46									
GPZ	ES	04	13	46									
				00									
MJZ	EP	04	12	00									
				15									
ROX	E	04	12	26									
				36									
MNW	EP	04	12	36									
				53	33,0S			178,9W	60KM	MAG 4,8			
				39,84S	174,14E			155 KM	SE	1,1	AVG MAG		
OCT 29		04	28	15,5	0,04		0,04						
				0,7				7					
TNZ	P	04	28	38,4			DIR	-0,2	0,68	16	3,8	3,8	
				56				-0,4	1,26	60	3,9	4,1	
GNZ	IP	04	28	43,8				0,4	1,52	162	4,2	4,6	4,7
				05				0,2	1,64	220	4,2		
WEL	IP	04	28	48,2			U	2,2	2,55	67		4,0	4,4
				09				-0,4	3,24	70	4,0	4,4	
COB	P	04	28	48,8				1,5					
				11,8				0,0					
TUA	S	04	29	30				-0,7					
				30				0,1					
GNZ	EP	04	29	07,0				-0,8					
				45,4				-0,5	3,38	217	4,0		
KAI	ES	04	29	49				0,1	4,01	196	4,8		
				17				-4,1*					
GPZ	EP	04	29	33					4,97	212	3,5	3,4	
				30	00			-1,5					
MJZ	E	04	29	33									
				25									
				38,64S	175,90E			12 KM	SE	0,8	AVG MAG		
OCT 29		05	33	59,2	0,09		0,03						
				1,0									
GNZ	ESG	05	34	05,2			DIR	-0,5	0,16	88			
				11,0									
GNZ	EPG	05	34	12,0				-0,0	0,63	206	2,8		
				13,8									
TUA	E	05	34	20,0	</								

		TNZ	PG	19 12 34,8	0,1	1,15	248	3,7	3,2
			E	52,0					
OCT 31	H M S	19 58 44,1		39,05S 176,04E	12 KM	SE	0,6	AVG MAG	65/3
		± 0,3		0,03 0,02	R				
	H M S	19 58 52,4		DIR	RES	DIST	AZ	W-A	W P W S
	CNZ	PG			-0,4	0,42	248		
	WNZ	EPG			0,2	0,42	6		
	TON	ESG			0,7	0,42	248	2,0	
	TUA	PG			-0,3	0,90	75		3,3 3,3
		ESG			0,3				
	TNZ	PG			-0,5	1,30	263		3,3
OCT 31	H M S	23 11 03,3		39,24S 175,12E	172 KM	SE	1,4	AVG MAG	65/3
		± 0,7		0,05 0,06	R				
	H M S	23 11 27,1		DIR	RES	DIST	AZ	W-A	W P W S
	TON	P			0,4	0,32	84	4,3	
		IS			-1,7				
	CNZ	P			0,5	0,33	84		
		I							
	TNZ	P			1,1	0,58	275		4,3 4,3
		S			0,5				
	WNZ	P			-0,1	0,97	52		4,8 4,7
		E							
	TUA					1,64	75		4,9 5,1
	WEL	P			1,7	2,07	187	5,4	5,0 5,1
		S			0,5				
	GNZ	P			-1,1	2,34	76		4,8 5,1
	AUC	P			-0,9	2,39	353		5,2
	COR	E				2,60	224	5,0	
		S			0,8				
	KAI	E				4,33	219	5,1	
		S			-2,0				
	MJZ	P			1,6	5,89	215		4,1 4,1
		S			-1,2				
	ROX	EP			-0,9	7,57	213		
		E							
	MNW	EP			2,0	8,57	218		
		ES			-1,1				
NOV 02	H M S	07 01 50,6		38,82S 175,96E	12 KM	SE	0,3	AVG MAG	65/3
		± 0,1		0,01 0,01	R				
	H M S	07 01 55,7		DIR	RES	DIST	AZ	W-A	W P W S
	WNZ	PG			0,2	0,22	30		
		I							
	CNZ	PG			0,0	0,50	220		
		I							
	TON					0,51	221	2,6	
	TUA	PG			-0,4	0,93	90		4,2
	KRP	PG			-0,2	0,96	339		3,9
		E							
	TNZ	EPG			0,1	1,29	253		3,6 3,6
		ESG			-0,1				
	GNZ	EPG			0,3	1,62	84		4,3
NOV 04	H M S	23 33 12,5		38,87S 175,95E	12 KM	SE	1,8	AVG MAG	65/3
		± 1,4		0,09 0,11	R				
	H M S	23 33 18,3		DIR	RES	DIST	AZ	W-A	W P W S
	WNZ	EPG			-0,0	0,27	27		
		E							
		ESG			0,7				
	CNZ	EPG			-1,1	0,45	223		
		I							

TON								0,46	224	1,9
TUA	E	23 33 20						0,94	87	
	E	33								
KRP	PG	23 33 31,4						-1,4	1,00	341
	E	44								3,0
TNZ	EPG	23 33 39,8						1,8	1,26	255
	E	34 02								3,3
NOV 06	H M S	09 20 31,2		38,76S 175,93E	12 KM	SE	0,5	AVG MAG	65/ 524	3,7
		± 0,2		0,02 0,02	R					
	H M S	09 20 36,0		DIR	RES	DIST	AZ	W-A	W P W S	
WNZ	PG				0,5	0,19	48			
CNZ	PG	09 20 42,2			0,0	0,53	214			3,3
	E	21 00								
KRP	PG	09 20 48,9			-0,3	0,88	340			3,3
	I	50,0								
TUA	PG	09 20 50,3			-0,3	0,96	93			4,1 3,7
	I	52,0								
	E	21 04,0								
TNZ	PG	09 20 57,2			0,1	1,28	250			3,9
	I	59,0								
GNZ	E	09 21 05,8				1,64	87			3,8
	E	13,5								
	E	34,0								
FELT WAIRAKEI MM IV TAUPŌ MM III										
NOV 06	H M S	12 50 23,1		38,75S 175,94E	12 KM	SE	0,5	AVG MAG	65/ 525	3,7
		± 0,2		0,02 0,01	R					
	H M S	12 50 28,0		DIR	RES	DIST	AZ	W-A	W P W S	
WNZ	(PG)				0,7	0,18	48			
	I	31,4								
CNZ	PG	12 50 34,5			0,2	0,54	214			3,3
KRP	PG	12 50 40,8			-0,3	0,88	339			3,6
	E	54								
	E	57								
TUA	PG	12 50 42,2			-0,3	0,95	94			4,0
	I	43,2								
TNZ	PG	12 50 49,2			-0,1	1,29	250			3,9
	E	53,3								
	E	51 11,0								
GNZ	EPG	12 50 56,0			-0,3	1,64	87			3,9
	E	51 17								
NOV 06	H M S	12 51 18,6		38,73S 175,93E	12 KM	SE	0,6	AVG MAG	65/ 526	3,4
		± 0,3		0,02 0,02	R					
	H M S	12 51 23,1		DIR	RES	DIST	AZ	W-A	W P W S	
WNZ	(PG)				0,4	0,17	53			
	E	26,4								
CNZ	PG	12 51 30,0			0,1	0,55	212			3,2
	E	47								
KRP	PG	12 51 36,0			-0,2	0,86	339			3,3
	E	48,5								
TUA	PG	12 51 37,8			-0,3	0,96	95			3,5
	I	38,8								
TNZ	E	12 51 46,0				1,29	249			
NOV 06	H M S	12 54 39,2		38,75S 175,94E	12 KM	SE	0,6	AVG MAG	65/ 527	3,3
		± 0,3		0,02 0,01	R					
	H M S	12 54 44,1		DIR	RES	DIST	AZ	W-A	W P W S	
WNZ	(PG)				0,8	0,17	48			
	I	47,2								
CNZ	PG	12 54 50,8			0,3	0,55	214			2,9
KRP	PG	12 54 56,8			-0,3	0,88	339			3,1

		H	M	S	38.76S	175.92E	12 KM	SE	0.3	AVG MAG	65/532			
		++		0.1	0.01	0.01	R	DIR	RES	DIST	AZ	W-A	W P	W S
TUA	EPG	12	54	58.2					-0.3	0.95	94		3.7	
	I			59.8										
TNZ	E	12	55	06.8						1.29	250		3.3	
	ESG			22.8					-0.2					
GNZ	EPG	12	55	11.8					-0.4	1.63	87		3.6	
NOV 06		13	19	46.0										
	(PG)	13	19	50.4					0.0	0.19	47			
	I			55.2					0.5					
CNZ	PG	13	19	57.0					0.1	0.53	214		3.1	2.1
	ESG			20 04.2					0.0					
KRP	PG	13	20	03.8					-0.2	0.89	340		3.4	
	SG			16.0					-0.1					
TUA	PG	13	20	05.0					-0.5	0.96	93		3.8	
	I			06.0										
TNZ	EPG	13	20	12.0					0.1	1.28	250		3.3	
	E			17.2										
	E			34.0										
GNZ	E	13	20	20.0						1.65	87			
	E			22.0										
NOV 06		14	48	29.1										
	(PG)	14	48	34.0					0.3	0.20	51			
	I			37.2										
CNZ	PG	14	48	39.9					-0.0	0.52	212		2.8	
	E			51.8										
KRP	PG	14	48	47.0					-0.0	0.88	341		3.2	2.1
	I			48.8										
	ESG			58.9					-0.1					
TUA	PG	14	48	48.6					-0.4	0.98	93		3.8	
	I			49.8										
	E			49 02.0										
TNZ	EPG	14	48	54.8					0.1	1.26	250		3.5	
	E			54.8					0.2	1.66	87		3.6	
GNZ	EPG	14	49	03.0										
	E			29										
NOV 06		15	09	41.2										
	(PG)	15	09	45.8					0.1	0.19	48			
	I			49.0										
CNZ	PG	15	09	52.5					0.4	0.53	213		3.1	
	I			56.5										
KRP	PG	15	09	58.8					-0.5	0.89	340			
	I			10 00.6										
	ESG			11.8					0.5					
TUA	PG	15	10	00.0					-0.9	0.96	93		3.3	3.3
	I			01.0										
	ESG			15.0					1.1					
TNZ	PG	15	10	07.0					-0.1	1.27	250		3.5	
	E			15 10 14					-0.7	1.65	87		3.6	
GNZ	EPG	15	10	14										
NOV 06		15	28	59.7										
	(PG)	15	29	04.2					0.2	0.18	46			
	I			08.0										
CNZ	IPG	15	29	11.1					0.4	0.53	214		3.6	

LOCAL EARTHQUAKES

		H	M	S	38.70S	175.94E	12 KM	SE	0.4	AVG MAG	65/532			
		++		0.2	0.01	0.01	R	DIR	RES	DIST	AZ	W-A	W P	W S
KRP	PG	15	29	17.5					-0.3	0.89	339		3.8	
	ISG			30.2					0.3					
TUA	PG	15	29	19.0					-0.1	0.95	93		4.5	
TNZ	PG	15	29	25.4					-0.4	1.28	250		4.2	
GNZ	EPG	15	29	32.8					-0.1	1.64	87		4.3	
	I			34.0										
	I			37.8										
	E			30 10.2										
NOV 06		17	18	30.9										
	(PG)	17	18	35.0					0.5	0.14	62			
	I			39.0										
CNZ	PG	17	18	43.0					0.1	0.59	211		3.1	
	I			50.0										
KRP	PG	17	18	48.0					0.1	0.83	338		3.4	
	I			50.0										
	ESG			59.0					-0.2					
TUA	EPG	17	18	49.8					-0.4	0.95	97		3.5	
	E			19 06.2										
TNZ	EPG	17	18	57.4					-0.0	1.31	248		3.3	
GNZ	E	17	19	05.0						1.63	89			
NOV 07		08	43	06.3										
	(PG)	08	43	06.3					0.3	0.20	51			
	I			07.2										
CNZ	PG	08	43	09.9					-0.0	0.52	212		2.8	
	E			11.8										
KRP	PG	08	43	17.0					-0.0	0.88	341		3.2	2.1
	I			18.8										
	ESG			18.9					-0.1					
TUA	PG	08	43	18.6					-0.4	0.98	93		3.8	
	I			19.8										
	E			19 02.0										
TNZ	EPG	08	43	24.8					0.1	1.26	250		3.5	
	E			24.8					0.2	1.66	87		3.6	
GNZ	EPG	08	43	29.1										
	E			29										
NOV 07		08	43	44.0										
	(PG)	08	43	44.0					0.3	0.20	51			
	I			45.0										
CNZ	PG	08	43	48.6					-0.0	0.52	212		2.8	
	E			51.8										
KRP	PG	08	43	47.0					-0.0	0.88	341		3.2	2.1
	I			48.8										
	ESG			58.9					-0.1					
TUA	PG	08	43	48.6					-0.4	0.98	93		3.8	
	I			49.8										
	E			49 02.0										
TNZ	EPG	08	43	54.8					0.1	1.26	250		3.5	
	E			54.8					0.2	1.66	87		3.6	
GNZ	EPG	08	43	59.7										
	E			59.7										
NOV 07		08	43	44.0										
	(PG)	08	43	44.0					0.3	0.20	51			
	I			45.0										
CNZ	PG	08	43	48.6					-0.0	0.52	212		2.8	
	E			51.8										
KRP	PG	08	43	47.0					-0.0	0.88	341		3.2	2.1
	I			48.8										
	ESG			58.9					-0.1					
TUA	PG	08	43	48.6					-0.4	0.98	93		3.8	
	I			49.8										
	E			49 02.0										
TNZ	EPG	08	43	54.8					0.1	1.26	250		3.5	
	E			54.8					0.2	1.66	87		3.6	
GNZ	EPG	08	43	59.7										
	E			59.7										

H M S		38,37S 178,57E		109 KM	SE 2,4	AVG MAG			
NOV 07 19 10 44,7		0,10 0,12		20			W-A	W P	W S
± 1,9									
	H M S	DIR	RES	DIST	AZ	W-A	W P	W S	
GNZ	IP		0,9	0,51	237				
ECZ	IP	U	-4,7	0,67	358				
TUA	P		1,6	1,20	248	4,5			
	I								
WNZ	E			1,96	261				
	E								
KRP	P		0,7	2,43	279	4,2			
	S		-1,4						
	E								
CNZ	P		2,4	2,51	250	3,8			
	E								
	E								
	E								
TON	E			2,51	250				
	E								
	E								
AUC	P		0,6	3,37	295	5,2			
	E								
TNZ	P		3,3	3,38	255	4,1			
	E								
WEL	P		0,8	4,13	224	5,4	4,7		
	S		1,7						
COB	ES		-0,1	5,26	237	4,9			
KAI	ES		-1,3	6,86	230	5,1			
GPZ	EP		0,5	6,96	218	5,6			
	S		-2,6						
MNW	ES		-2,2	11,00	224				
	E								
NOV 09 10 15 26,2		34,34S 177,99W		33 KM	SE 2,9	AVG MAG			
± 2,9		0,19 0,26		R			W-A	W P	W S
	H M S	DIR	RES	DIST	AZ	W-A	W P	W S	
ECZ	EP		0,7	4,37	219	4,4			
	E								
	S		5,3						
GNZ	EP		-2,0	5,36	216	4,1			
	E								
	S		4,3						
KRP	P		-1,0	6,34	234				
	I								
	S		-0,2						
AUC	I			6,40	245				
ONE	EP		0,8	6,43	255				
	E								
TON	E			7,10	225	4,8			
	S		2,5						
TNZ	S		-1,6	8,99	217	5,8			
WEL	S		-2,6	9,96	225	5,4			
COB	ES		-1,1	11,65	222	5,4			
KAI	ES		-2,5	11,84	215	5,7			
GPZ	S		0,5	13,14	219				
MJZ	EP								
	ES		-4,6						
MNW	EP		1,6	15,84	220				
	E								
NOV 10 08 37 21,5		44,73S 167,36E		33 KM	SE 1,2	AVG MAG			
± 0,9		0,04 0,06		R			W-A	W P	W S
	H M S	DIR	RES	DIST	AZ	W-A	W P	W S	
TON	P*		0,3	0,97	16	4,1			
	S*		13,8						
	I		15,0						
CNZ	IP*	U	0,2	0,98	16	4,4			

H M S		37,95S 177,83E		145 KM	SE 2,5	AVG MAG			
NOV 11 04 47 38,5		0,14 0,13		23			W-A	W P	W S
± 2,6									
	H M S	DIR	RES	DIST	AZ	W-A	W P	W S	
MNW	IP	U	0,8	1,06	170				
	E								
ROX	IP	D	-1,0	1,57	119		4,9	5,0	
	S		-0,7						
MJZ	IP	D	-0,1	2,35	73		4,1	4,9	
	S		1,4						
KAI	P		1,8	3,67	54	4,4			
	S		1,8						
GPZ	P		-0,4	3,94	77	4,8			
	E								
	IS		0,4						
COB	ES		-0,2	5,37	49	4,7			
WEL	P		-1,0	6,43	60	4,8			
	ES		-0,6						
KRP	EP		-0,1	9,17	45				
	ES		-2,1						
NOV 11 04 47 38,5		37,95S 177,83E		145 KM	SE 2,5	AVG MAG	65/ 539		
± 2,6		0,14 0,13		23			W-A	W P	W S
	H M S	DIR	RES	DIST	AZ	W-A	W P	W S	
GNZ	IP		-1,2	0,71	168				
	E								
WNZ	EP		1,0	1,52	243		4,6		
KRP	IP	DSW	-0,9	1,81	270		4,3	3,7	
	S		-4,3						
CNZ	IP	U	2,2	2,18	234		4,4		
TON	EP		1,8	2,19	235	3,6			
	S		3,1						
TNZ	P		2,9	2,97	244		4,2		
WEL	P		-0,4	4,08	214	4,9	4,4	4,8	
	S		-0,1						
COB	EP		0,1	5,03	230	4,5			
	ES		0,4						
KAI	ES		-0,8	6,71	225	4,6			
GPZ	ES		-3,8	6,95	213	4,8			
NOV 11 04 56 09,0		33,90S 179,64W		406 KM	SE 3,4	AVG MAG	65/ 540		
± 3,9		0,25 0,44		37			W-A	W P	W S
	H M S	DIR	RES	DIST	AZ	W-A	W P	W S	
ECZ				4,07	201				
GNZ	P		0,2	5,10	201		5,1	4,9	
	I								
	S		-3,9						
ONE	EP		-2,9	5,28	247				
TUA				5,55	207				
KRP	P		-0,5	5,61	223		4,4		
CNZ	P		1,3	6,56	215				
	ES		4,7						
TON	E			6,57	215	4,9			
	S		3,6						
TNZ	P		2,7	7,15	221				
WEL	P		0,8	8,61	209	5,8			
	ES		-2,1						
COB	ES		-4,4	9,39	218	5,4			
GPZ	ES		0,6	11,48	209	5,6			
NOV 12 09 18 41,2		40,14S 175,19E		33 KM	SE 1,6	AVG MAG	65/ 541		
± 0,6		0,03 0,06		R			W-A	W P	W S
	H M S	DIR	RES	DIST	AZ	W-A	W P	W S	
TON	P*		0,3	0,97	16	4,1			
	S*		13,8						
	I		15,0						
CNZ	IP*	U	0,2	0,98	16	4,4			

	ES*		14		0.9															
	E		19																	
TNZ	P*	09 19	01.0		-1.2	1.14	326		4.2	3.7										
	E		14.2																	
	IS*		15.8		-1.9															
WEL	P*	09 19	02.1		-1.0	1.19	196		4.3	4.3	5.1									
	S*		17.0		-2.3															
COB	E(PN)	09 19	15		1.8	2.10	242		3.7											
	E		21																	
	E		38																	
	ESN		40		2.6															
KRP	PN	09 19	16.6		1.6	2.23	7		4.4	4.4										
	IP*		21.0		0.4															
	I		23.3																	
	ESN		40.4		-0.2															
	IS*		48.0		-2.1															
GNZ	E	09 19	25			2.65	57													
	E		34																	
	E		20 10																	
KAI	EP*	09 19	46		-0.1	3.72	229		4.0											
	E		53																	
	E		20 28																	

FELT NEAR WANGANUI MM IV FEILDING MM III

	H M S																			
NOV 12	12 16 21.7	38.40S	175.94E	211 KM	SE	1.7			AVG MAG	4.4										
	+- 1.6	0.08	0.06	13																
	H M S			DIR	RES	DIST	AZ	W-A	W P	W S										
KRP	P	12 16	49.9		-0.5	0.57	326		3.9	3.7										
	S		17 11.0		-1.6															
CNZ	IP	12 16	53.2	U	1.4	0.85	201													
TNZ	P	12 16	59.0		2.9	1.45	237		3.8											
GNZ	P	12 16	59.0		1.1	1.65	99		4.9	4.7										
	ES		17 25		-0.9															
ECZ	P	12 17	02.2		-0.9	2.17	72		5.0	4.7										
	ES		35		-0.1															
WEL	P	12 17	14.0		1.5	3.02	197		4.6	4.6										
	S		53		1.1															
COB	ES	12 18	06		0.7	3.65	222		4.2											
KAI	ES	12 18	42		-2.1	5.38	219		4.4											
GPZ	EP	12 17	47		-0.8	5.85	204		4.6											
	ES		18 53		-1.8															

	H M S																			
NOV 13	05 02 59.2	38.72S	175.81E	12 KM	SE	0.7			AVG MAG	3.1										
	+- 0.3	0.03	0.02	R																
	H M S			DIR	RES	DIST	AZ	W-A	W P	W S										
WNZ	PG	05 03	03.8		-0.8	0.25	69													
	ESG		08.8		0.6															
CNZ	PG	05 03	09.8		-0.1	0.52	203		3.0											
KRP	PG	05 03	15.9		-0.1	0.82	345		2.9											
	E		32																	
TUA	PG					1.05	95													
TNZ	PG	05 03	24.0		0.3	1.21	247		3.3											
	E		48.8																	

	H M S																			
NOV 13	06 32 06.2	38.72S	175.83E	12 KM	SE	0.3			AVG MAG	3.3										
	+- 0.1	0.01	0.01	R																
	H M S			DIR	RES	DIST	AZ	W-A	W P	W S										
WNZ	IPG	06 32	11.0	U	-0.3	0.23	67													
	SG		14.9		0.2															
CNZ	PG	06 32	17.0		-0.1	0.53	205		3.4	3.1										
	E		25.3																	
TON						0.53	206		2.6											
KRP	PG	06 32	23.0		-0.0	0.83	344		3.4											
	I		27.2																	

TUA									1.03	95										
TNZ	PG	06 32	31.2		0.2	1.23	247		3.7											
	E		34.0																	
	E		57.5																	
GNZ	E	06 32	42.8						1.71	88										
	E		33 10																	
	H M S																			
NOV 14	10 56 51.9	38.82S	175.82E	12 KM	SE	0.1			AVG MAG	2.8										
	+- 0.1	0.00	0.01	R																
	H M S			DIR	RES	DIST	AZ	W-A	W P	W S										
WNZ	EPG	10 56	58.2		0.0	0.29	50													
	E		57 04.0																	
CNZ	PG	10 57	01.0		-0.1	0.44	209													
	E		12.0																	
TON						0.44	210		2.4											
KRP	EPG	10 57	10.6		-0.0	0.92	346													
TNZ	EPG	10 57	16.0		0.1	1.18	251		3.3											
	E		36.2																	
GNZ	E	10 57	28.0			1.73	85													

	H M S																			
NOV 14	11 31 09.1	34.50S	179.38W	233 KM	SE	1.0			AVG MAG	5.5										
	+- 1.2	0.07	0.10	13																
	H M S			DIR	RES	DIST	AZ	W-A	W P	W S										
ECZ	P	11 32	09.0		1.0	3.60	207		5.4											
	E		23.8																	
	E		33 00.5																	
GNZ	P	11 32	20.8		0.3	4.64	206		5.0											

		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S
WNZ	I (PG)	05	35	00,4	U	0,5	0,17	52			
	I			04,0							
CNZ	PG	05	35	07,0		-0,1	0,55	213		3,0	
TON							0,56	213			
KRP	PG	05	35	13,2		-0,3	0,87	339		3,1	
	E			27,0							
TUA	PG	05	35	15,0		-0,3	0,96	95		3,6	
	E			31,0							
TNZ	EPG	05	35	22,2		0,2	1,29	249		3,5	
	E			45							
		H	M	S							
NOV 17		07	57	56,1			38,78S	176,01E	12 KM	SE	0,2
											AVG MAG 3,3
							0,01	0,01			
		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S
WNZ	ESG	07	58	02,8		0,1	0,16	27			
	I			04,9							
	E			06,9							
CNZ							0,55	220			
TON							0,56	221			
TUA	PG	07	58	14,2		-0,1	0,89	92		3,6	
	E			28,0							
KRP	EPG	07	58	14,8		-0,2	0,93	336		3,1	
	I			15,9							
TNZ	EPG	07	58	23,2		0,1	1,33	252		3,3	
GNZ	E	07	58	30,8			1,58	86			
	E			33,0							
	E			58							
		H	M	S							
NOV 17		10	45	46,2			38,77S	175,95E	12 KM	SE	0,4
											AVG MAG 3,3
							0,01	0,01			
		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S
WNZ	(PG)	10	45	51,0		0,6	0,18	41			
	E			57,0							
CNZ	PG	10	45	57,2		0,1	0,53	216		2,6	
	I			59,8							
	E			46 11,8							
TON							0,54	216		2,2	
KRP	EPG	10	46	04,2		-0,3	0,90	339		3,0	
	I			04,8							
	E			17,0							
TUA	PG	10	46	05,0		-0,3	0,94	93		3,5	
	ESG			18,0		-0,0					
TNZ	EPG	10	46	12,4		0,0	1,29	251		3,5	
GNZ	E	10	46	23,0			1,63	86			
		H	M	S							
NOV 17		19	25	55,8			38,84S	175,86E	12 KM	SE	0,4
											AVG MAG 3,3
							0,01	0,01			
		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S
WNZ	PG	19	26	01,2		-0,5	0,27	40			
	ESG			05,8		0,2					
CNZ	PG	19	26	05,2		0,1	0,45	215			
	ESG			11,0		-0,3					
TON							0,45	216		2,2	
KRP	PG	19	26	15,0		-0,1	0,95	343		3,2	
	I			30,5							
TUA	EPG	19	26	16,2		0,2	0,99	89		3,5	
TNZ	PG	19	26	21,0		0,4	1,22	253		3,5	
	E			39,8							
	E			43,0							
		H	M	S							
NOV 18		05	19	39,1			31,35S	178,67W	461 KM	SE	2,9
											AVG MAG 3,3
							0,35	0,55			

		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S
ECZ	P	05	21	25,2		2,8	6,74	199			
	E			22 40							
	ES			46		1,9					
ONE							7,30	231			
GNZ	EP	05	21	32		-1,5	7,77	200			
	E			23 12							
KRP	P	05	21	37		-0,2	8,11	214			
	E			23 17							
TUA	EP	05	21	38		-0,1	8,19	204			
	E			23 10							
CNZ							9,15	210			
TON	ES	05	23	30		-1,3	9,15	210		5,4	
TNZ	EP	05	21	54		-0,2	9,66	214			
	ES			23 45		3,6					
MNG	P	05	21	59,0		-3,1	10,39	205			
	S			23 52		-3,9					
COB	ES	05	24	23		-3,7	11,94	213		5,6	
GPZ	EP	05	22	43		1,2	14,11	207		5,8	
	ES			25 10		1,1					
MJZ	ES	05	25	34		3,5	15,25	211			
		H	M	S							
NOV 20		20	14	51,0			38,75S	175,85E	12 KM	SE	0,4
											AVG MAG 3,0
							0,01	0,01			
		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S
WNZ	E	20	14	57,2			0,23	59			
	E			15 01,3							
	E			04,8							
CNZ	IPG	20	15	01,5		0,0	0,51	208		2,9	2,7
	ESG			08,8		0,3					
TON	ESG	20	15	08		-0,7	0,51	208		2,3	
KRP	PG	20	15	08,3		-0,2	0,86	343		3,0	
	I			11,4							
	E			23,0							
TUA	EPG	20	15	11,8		0,2	1,02	94		3,3	
TNZ	EPG	20	15	15,8		-0,1	1,23	249		3,5	3,2
	ESG			32,8		0,3					
MNG	P+	20	15	25,8		1,5*	1,89	189		3,3	
	EPG			29,2		0,0					
		H	M	S							
NOV 20		22	48	07,1			38,81S	175,88E	12 KM	SE	0,5
											AVG MAG 3,0
							0,02	0,02			
		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S
WNZ	PG	22	48	12,0		-0,6	0,25	44			
	ESG			16,8		0,6					
CNZ							0,47	214			
TON	EPG	22	48	16,6		-0,4	0,48	214		2,1	
	E			22							
	ESG			24		0,5					
KRP	PG	22	48	26,0		0,1	0,92	343		2,9	
	E			40							
TUA	PG	22	48	27,2		-0,1	0,99	90		3,5	
TNZ	EPG	22	48	32,0		-0,1	1,23	252		3,5	
	E			51,4							
MNG	E	22	48	41,8			1,83	190			
	E			43,0							
		H	M	S							
NOV 21		21	40	59,1			38,82S	175,94E	12 KM	SE	0,5
											AVG MAG 3,6
							0,01	0,01			
		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S
WNZ	E	21	41	06,0			0,23	34			
	ESG			08,0		0,5					
	E			46 11,0							
CNZ	PG	21	41	09,2		-0,0	0,49	219			

		H	M	S														
KRP	E	21	41	18,0														
TUA	PG	21	41	18,2	-0,2	0,95	340	3,4										
TNZ	EPG	21	41	18,0	-0,4	0,95	90	3,6										
	EPG	21	41	24,6	-0,3	1,27	253	3,5										
	E			44,0														
GNZ	EPG	21	41	32,0	-0,3	1,64	85	3,4										
	E			36,8														
	E			54														
MNG	P*	21	41	32,2	U	0,6	1,83	191	4,1									
	E			59														
NOV 23 08 08 29,1 40,32S 173,62E 209 KM SE 1,1 AVG MAG 65/ 559																		
+- 0,7 0,04 0,05 7																		
COB	EP	08	09	01,8	1,8	1,02	221	3,5										
	ES			24	-0,1													
TNZ	EP	08	09	02,0	0,0	1,28	28	3,6										
WEL	P	08	09	04,2	2,1	1,30	138	4,2	4,0									
	S			28	0,2													
MNG	IP	08	09	05,0	D	1,6	1,45	102	4,3									
	S			29	-1,0													
CNZ	P	08	09	07,2	U	-0,0	1,86	54	3,9									
	ES			36	-0,6													
KAI	ES	08	09	53	-1,0	2,76	216	3,7										
KRP	EP?	08	09	17	-0,7	2,82	33											
	E			10 08														
TUA	EP	08	09	21	-0,1	3,12	62	4,1										
	ES			58	-3,4*													
GPZ	S	08	10	08	-0,3	3,45	192	4,6										
GNZ	EP	08	09	29,4	0,1	3,80	65	4,1										
	ES			10 15	-0,9													
MJZ	ES	08	10	27	-1,1	4,35	212											
NOV 23 12 30 44,3 38,75S 175,99E 12 KM SE 0,5 AVG MAG 65/ 560																		
+- 0,2 0,02 0,02 8																		
WNZ	ISG	12	36	50,2	-0,4	0,15	37											
	I			54,0														
CNZ	IPG	12	36	56,0	0,2	0,56	217	3,3										
TON						0,57	218	2,6										
KRP	PG	12	37	03,0	0,4	0,90	337	3,6										
	E			13,5														
TUA	PG	12	37	03,0	0,2	0,91	94	3,3										
TNZ	PG	12	37	10,7	-0,4	1,32	250	3,6										
	E			28,0														
GNZ	E	12	37	19,8		1,60	87											
MNG	I	12	37	19,6		1,90	192	3,4										
	I			25,2														
FELT WAIRAKEI MMIV																		
NOV 24 00 04 01,6 38,78S 175,80E 12 KM SE 0,3 AVG MAG 65/ 561																		
+- 0,2 0,01 0,01 8																		
WNZ	E	00	04	06,6		0,28	58											
	E			10,8														
CNZ	PG	00	04	11,3	0,1	0,46	205											
	E			17,8														
KRP	PG	00	04	19,6	0,1	0,88	346	3,4										
TUA	EPG	00	04	23	-0,1	1,06	92	3,4										
TNZ	EPG	00	04	25,4	-0,2	1,18	249	3,4										
	E			44,7														
MNG	EP*	00	04	34,8	0,4	1,85	188	3,4										
	EPG			38,8	-0,3													
	E			05 02														

		H	M	S														
NOV 24	02 54 03,0	39,00S	175,80E	12 KM	SE	ND												65/ 559
		R																AVG MAG 2,9
		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S							
CNZ	PG	02	54	09,0		-0,1*	0,28	224										
	I			11,0														
TUA	E	02	54	36				1,07	80									
KRP	EPG	02	54	25,4		0,2*		1,09	349									3,2
TNZ	E	02	54	29,5				1,12	260									
MNG	EP*	02	54	34,2		2,2*		1,63	189									3,1 2,5
	ES*			55		1,2*												
FELT TURANGI MMIV																		
NOV 24 17 51 12,4 38,47S 175,99E 191 KM SE 2,2 AVG MAG 65/ 560																		
+- 1,5 0,07 0,07 12																		
		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S							
KRP	P	17	51	38,8		-0,4	0,65	327										3,6 3,6
	S			56,5		-3,4												
CNZ							0,81	205										4,1 3,4
TON	EP	17	51	41,0		0,9	0,81	206	3,2									
	S			52 01		-0,5												
TUA	P	17	51	42,8		1,7	0,97	111										
	E			52 03														
TNZ	EP	17	51	47,5		2,5	1,45	240										3,6 3,5
	ES			52 14		3,8												
GNZ	P	17	51	48,0		1,5	1,60	97										4,0 4,5
	E			52 03														
	S			13		0,1												
ECZ	P	17	51	53,0		0,7	2,16	70										5,0 4,3
	S			52 20		-3,1												
MNG	IP	17	51	54,0	U	1,5	2,18	190										4,8 4,6
	ES			52 23		-0,4												
WEL	EP	17	52	03		1,2	2,96	198	4,7									
	S			39		-0,9												
COB	S	17	52	54		-0,0	3,62	223	4,5									
KAI	ES	17	53	31		-2,4	5,35	219	4,6									
MJZ	S	17	54	07		-2,9	6,90	215										
NOV 30 00 41 35,4 38,84S 175,60E 134 KM SE 1,2 AVG MAG 65/ 561																		
+- 0,8 0,04 0,04 8																		
		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S							
CNZ	IP	00	41	56,1	U	1,6	0,36	186										
	E			42 13,0														
TON							0,36	187	3,0									
KRP	IP	00	41	58,2		0,1	0,92	357										4,1
	S			42 15		-0,6												
TUA	P	00	42	01,2		0,1	1,21	89										3,9
	S			20		-0,8												
MNG	IP	00	42	08,9	U	1,6	1,78	183										5,0 4,4
	IS	</																

		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
KRP	P	02	18	46,9	U	-0,4	0,54	307		3,8	
	S		19	05,8		-2,3					
TUA	P	02	18	51,0		1,2	1,00	124		4,2	
	E			06,7							
	E			13							
CNZ	P	02	18	52,0		1,9	1,03	204		3,3	
	ES		19	15,4		2,3					
GNZ	P	02	18	56,0		1,4	1,57	105		4,3	
	E		19	13,8							
	S			19		-2,1					
TNZ	P	02	18	59,4		0,2	2,03	75		5,0	
ECZ	S		19	28,6		-0,5					
MNG	IP	02	19	04,2	D	0,9	2,40	191		4,4	
	E			31							
	S			37		0,6					
WEL	P	02	19	13,2		0,6	3,19	198	4,6	4,3	
	S			51,5		-1,5					
COB	S	02	20	06,5		-0,5	3,83	221	4,4		
KAI	ES	02	20	50		3,5	5,56	218	4,6		
GPZ	S	02	20	55		-2,3	6,02	204	4,8		
MJZ	S	02	21	20		-3,0	7,12	215			

NOV 30	H	M	S		DIR	RES	DIST	AZ	W-A	W P	W S
	02	19	51,7	38,35S		176,07E	166 KM	SE 1,4	AVG MAG		
				0,05		0,04	8				
KRP	P	02	20	16,0	U	0,5	0,60	316		4,1	
	S			32,8		-1,1					
CNZ	P	02	20	20,2		2,5	0,94	206		3,3	
	E			42							
	E			46							
TUA	P	02	20	19,0		1,1	0,96	118		4,0	
	S			37,5		-0,6					
TNZ	P	02	20	24,2		0,8	1,56	237		4,1	
GNZ	EP			47,2		-0,7					
	S			56		0,1	2,07	72		5,1	
ECZ	P	02	20	29,0		-1,6					
	ES			56							
MNG	IP	02	20	33,0	U	1,2	2,31	191		4,4	
	S			21 03,2		0,6					
WEL	EP	02	20	42		0,4	3,10	198	4,6	4,2	
	S			21 19,5		-0,4					
COB	S	02	21	35,5		0,8	3,75	222	4,5		
KAI	ES	02	22	13		-2,0	5,48	219	4,6		
GPZ	S	02	22	22		-3,8*	5,93	205	4,9		
MJZ	S	02	22	50,5		-1,6	7,04	215			

NOV 30	H	M	S		DIR	RES	DIST	AZ	W-A	W P	W S
	05	19	28,5	38,80S		175,90E	12 KM	SE 0,5	AVG MAG		
				0,01		0,01	R				
WNZ	E	05	19	36,2			0,23	44			
	E			39,2							
	E			42							
CNZ	PG	05	19	38,2		-0,3	0,48	214		3,2	
KRP	PG	05	19	47,4		0,2	0,92	342		3,3	
TUA	PG	05	19	48,0		-0,4	0,98	91			
	ESG			20 02		0,3					
TNZ	P						1,24	251			
GNZ	E						1,67	85			
MNG	ES*						1,84	190			

NOV 30	H	M	S		DIR	RES	DIST	AZ	W-A	W P	W S
	06	00	26,7	37,12S		176,94E	267 KM	SE 0,7	AVG MAG		
				0,04		0,04	4				

		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
KRP	P	06	01	05,9		-0,2	1,38	234		3,8	
	ES			36		-0,5					
ECZ	EP	06	01	06,2		-0,1	1,40	115		4,3	4,6
	S			37		0,3					
TUA	P	06	01	09,0		0,6	1,70	174		4,1	4,2
	ES			40,0		-0,6					
GNZ	P	06	01	09,0		0,3	1,75	151		4,4	
	E			36,0							
	I			41,6							
CNZ	P	06	01	15,0	U	1,0	2,35	207		3,7	3,5
	E			55							
TNZ	P						2,89	224			
WEL	P	06	01	36,2		-1,3	4,49	201	5,1	4,7	4,9
	ES			02 33		0,3					
COB	ES	06	02	47		0,4	5,14	218	4,9		
KAI	ES	06	03	26		1,0	6,88	217	5,1		
GPZ	ES	06	03	35		-0,5	7,34	205	5,3		
MJZ	EP	06	02	26		-0,4	8,45	214			
	S			04 00		-0,3					

NOV 30	H	M	S		DIR	RES	DIST	AZ	W-A	W P	W S
	15	47	06,0	43,50S		171,02E	12 KM	SE 2,7	AVG MAG	65/	506
				0,05		0,06	R			4,0	

		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
MJZ	P*	15	47	18,3		-1,5	0,63	219			
KAI	P*	15	47	25		-1,5	1,02	17	4,1		
	PG			26		-2,7					
	S*			41		0,8					
GPZ	P*	15	47	30,8		1,2	1,20	100	3,6		
	S*			48,5		2,8					
ROX	P	15	47	44		-1,2	2,32	211		4,5	4,1
	P*			49		0,3					
	ES			48 14		1,1					
	ES*			24		4,7					
COB	EP	15	47	50		-1,0	2,73	28	3,9		
	EP*			57		1,2					
	ES			48 23		-0,3					
	ES*			34		2,4					
MNG	EP	15	47	57		-1,9	3,33	226		4,2	4,0
	EP*			48 07		1,0					
	ES			40		2,6					
	FSG			55		-5,1					
WEL	EP?	15	48	02		0,0	3,55	53	3,8	4,4	4,3
	P*			07		-2,9					
	EPG			16		-3,8					
	ES			44		1,2					
	ES*			54		-2,4					
MNG	EP	15	48	12		-1,4	4,40	51		4,2	3,9
	P*			19		-5,4					
	E			49 09							
	ES*			18		-3,8					
TNZ	EP?	15	48	22		0,5	5,00	32		3,8	3,8
	EP*			38		3,4					
	E			49 22		4,2					
	E			25							
	ES*			44		4,1					
TON	EP*	15	48	43		0,1	5,48	40	4,0		
	ES			49 35		5,7*					
	ES*			50		-4,3					
CNZ	EP	15	48	29		1,0	5,49	40		3,9	3,6
	E			34							
	EP*			45		2,0					
	E			49 38							
	ESG			50 12		-0,9					
KRP	EP	15	48	42		-0,2	6,54	33			
	E			54							



		H	M	S											
	ES		49	57											
	ES*		50	30											
ONE	E	15	49	05,5					8,14	20					
	S		50	32											
FELT ROSS AND MT SOMERS MMIV															
DEC 02		15	54	54,5	38,30S	175,78E	217	KM	SE	1,0		AVG	MAG		
				0,7	0,04	0,04									
		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S				
KRP	IP	15	55	23,0	D	-0,5	0,42	332							
CNZ	P	15	55	27		1,3	0,92	191		3,0					
	ES			50		0,0									
	E			55											
TON	E	15	55	34			0,93	192		2,7					
	ES			51		1,0									
TUA	P	15	55	28		0,5	1,19	116		3,8					
	S			53		-0,2									
TNZ	EP	15	55	31,3		2,0	1,41	230		4,1					
	F			56											
GNZ	P	15	55	33		0,3	1,79	102		4,1					
	ES			56		0,9									
ECZ	ES	15	56	09		-1,5	2,26	75							
MNG	FP	15	55	38		-0,1	2,33	186		3,8					
	E			56											
	ES			11		-0,7									
WEL	FP	15	55	46,5		-0,1	3,09	194		4,2	4,1				
	ES			56		0,1									
COR	ES	15	56	38		-0,7	3,65	219		3,8					
GPZ	ES	15	57	28		-1,0	5,89	203							
MJZ	EP	15	56	35		-0,1	6,96	214							
	ES			57		-2,6*									
DEC 03		03	43	39,1	40,85S	175,89E	12	KM	SE	1,6		AVG	MAG		
				0,0	0,03	0,03									
		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S				
MNG	IPG	03	43	47,8	U	0,6	0,38	306							
	ESG			51,5		-1,1									
WEL	EPG	03	43	58,5		-0,1	0,96	242		4,1					
	F			44											
	SG			12		0,4									
TON	EP*	03	44	08		-0,6	1,66	351		3,5					
	E			26											
	ES*			29		-1,7									
	E			39											
CNZ	P*	03	44	07,2	U	-1,5	1,66	351		4,0					
	E			09											
	EPG			14		1,2									
	E			26											
TNZ	EP*	03	44	14		-0,8	2,02	325		4,0					
	EPG			22		1,9									
	ES*			41,5		-0,0									
TUA	ES	03	44	44		1,5	2,25	26							
COR	E	03	44	21			2,40	263		4,0					
	EP*			24		2,7									
	S			47		0,9									
	S*			54		1,0									
	ESG			45		1,9									
GNZ	P	03	44	21,3		-1,0	2,75	37		3,9					
	E			42											
	S			54		-0,8									
	S*			45		2,7									
KRP	EP*	03	44	31		0,7	2,93	355							
	E			34											
	PG			39		0,6									

		H	M	S											
	ES*		45	06											
	SG			14											
GPZ	E	03	44	49					3,73	219	4,0				
	E			45											
	S			17											
KAI	EPG	03	44	52					3,75	242	4,0				
	S			45											
	S*			33											
FELT EKETAHUNA MMIV AND MASTERTON															
DEC 05		20	51	54,4	38,75S	175,90E	12	KM	SE	1,3		AVG	MAG		
				0,3	0,02	0,02									
		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S				
WNZ	PG	20	51	58		-1,0	0,20	53							
	SG			52		0,5									
CNZ	PG	20	52	05		-0,1	0,52	211		3,4	3,1				
	E			25											
TON	E	20	52	06					0,53	212	2,5				
	SG			11,5		-1,0									
	E			23											
KRP	EP*	20	52	11		0,6	0,87	341							
	IPG			12		-0,2									
	S*			21		-1,3									
	SG			26		2,0									
TUA	P*	20	52	12		-0,2	0,98	94		4,4	3,9				
	PG			13		-1,5									
	ESG			28,5		0,9									
TNZ	PG	20	52	20,5		0,6	1,26	249			3,6				
GNZ	P*	20	52	24		0,0	1,67	87		4,4	3,8				
	I			31											
	E			36											
	ESG			52		1,3									
MNG	P*	20	52	27,5		-0,3	1,89	190		3,8	3,3				
	S*			51		-1,8									
	SG			53		2,9									
ECZ	P*?	20	52	35		-0,5	2,34	64							
WEL	EPG?	20	52	52		3,5*	2,67	199			4,2				
FELT TAUPO															
DEC 06		08	39	10,2	46,14S	167,51E	12	KM	SE	0,5		AVG	MAG		
				0,9	0,03	0,03									
		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S				
MNW	IPG	08	39	18,2	D	0,3	0,36	12							
	SG			23,0		-0,0									
	E			24											
ROX	PG	08	39	38,7		-0,5	1,43	63		3,4	3,3				
	SG			59		0,6									
MJZ	EPG?	08	40	11		0,0	3,00	45			2,8				
	ESG			51		-0,4									
DEC 06		17	58	11,6	40,12S	176,58E	12	KM	SE	1,5		AVG	MAG		
				0,5	0,02	0,03									
		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S				
MNG	P*	17	58	31,2	U	1,9	0,98	239		3,8	3,8				
	E			36											
	E			42											
	ES*			45		2,5									
TON	E(p*)	17	58	35		1,5	1,22	318</							

		H	M	S									
	E			51									
	E			55									
	S			59 04									
	E			24									
GNZ	E	17	58	57			1,85	38					
	E			59 00									
	S*			08									
	SG			15									
298	PG	3,9		3,6									
	ES*			49									
	ESG			59 10									
	P			19									
KRP	P	17	58	48			2,33	339					
	P*			55									
	S			59 15									
COB	S	17	59	35			3,08	250	3,4				
KAI	S	18	00	10			4,58	237	3,8				
GPZ	S	18	00	10			4,63	218	4,1				
MJZ	EP	17	59	39			1,0	5,97	228				
	E			50									
	S			18 00 44									
FELT WAIFANA MMII													
DEC 07		H	M	S									
		05	26	04,9			38,83S	176,12E	12 KM	SE	1,7		AVG MAG 2,7
				0,02			0,03						
WNZ	E	05	26	11									
	ESG			13									
CNZ	P	05	26	14					0,6	0,58	230		2,4
	PG			17									
	ES*			22									
TON	EPG	05	26	18					1,0	0,59	230		2,1
	ESG			25									
	E			31,5									
TUA	PG	05	26	21					-0,3	0,81	89		3,4
	E			39									
KRP	P*	05	26	22					-1,2	1,01	333		
	S*			35					-1,9				
	SG			41					1,9				
TNZ	P*	05	26	29					-0,9	1,40	255		3,1
	ESG			55					2,8				
GNZ	EPG	05	26	37					1,7	1,50	84		3,6
MNG	P*	05	26	36					-1,7	1,86	195		3,1
	PG			41,5					-0,9				
	E			27 04									
	SG			10									
DEC 07		H	M	S									
		08	27	09,1			38,47S	175,87E	179 KM	SE	1,7		AVG MAG 3,1
				0,03			0,05						
WNZ	EP	08	27	32,3					-0,8	0,24	132		
	E			28 10									
KRP	IP	08	27	34,0					UNW	-0,4	0,61	334	
	ES			50,5						-3,4			
CNZ	IP	08	27	36,8					D	1,5	0,77	199	
TON	P	08	27	37,0					NW	1,7	0,78	200	
	E			28 07									
	F			12									
TUA	EP	08	27	36,9					-0,4	1,06	109		
TNZ	P	08	27	43,1					U	3,1	1,37	238	
	S			28 06						2,1			
	E			19									
GNZ	IP	08	27	43,0					D	-0,2	1,69	97	
AUC	EP	08	27	45,3					D	0,7	1,83	331	
	E			55									

		H	M	S									
	ES			28 11									
MNG	IP	08	27	49,7					U	-0,9	2,17	188	
	ES			28 18									
ECZ	IP	08	27	48,6					D	-0,6	2,25	71	
WEL	P	08	27	58,2					U	0,6	2,94	196	6,0
	E			28 13									
	S			34									
	E			56									
	E			29 00									
ONE	EP	08	27	59,0						1,3	2,95	335	4,6
	E			28 10									
	E			32									
	ES			34									
COB	EP	08	28	06,6						-1,2	3,56	222	5,9
	S			50,3						1,3			
GPZ	P	08	28	34,3					N	0,6	5,76	204	6,8
	S			29 37									
MJZ	EP	08	28	48,5						-2,5	6,85	215	
	E			29 20						0,4			
	E			39									
	ES			30 02						-3,2			
ROX	EP	08	29	09,5						-0,7	8,53	213	
	E			29									
	E			35									
	S			30 41						-3,9*			
MNW	EP	08	29	24						0,7	9,53	217	
	E			30 10									
	E			31 04									
	S			07						-1,3			
	E			11									
FELT FROM GALATEA AND GISBORNE TO CHRISTCHURCH AND GREYMOUTH													
MAXIMUM INTENSITY MMIV													
DEC 08		H	M	S									65/ 574
		00	24	01,6			38,75S	175,84E	12 KM	SE	1,8		AVG MAG 3,2
				0,03			0,05						
WNZ	PG	00	24	07						0,1	0,24	61	
TON	EPG	00	24	10,5						-1,6	0,51	207	2,6
	SG			17						-2,1			
KRP	P*	00	24	17,6					U	0,3	0,86	344	
	S*			29						0,1			
	SG			31						0,4			
	E			33									
	E			38									
TUA	PG	00	24	22						-0,5	1,03	94	3,0
GNZ	E(PG)	00	24	45						8,7*	1,71	87	3,4
WEL	SG	00	25	35						3,5	2,66	198	3,6
COB	E(PG)	00	25	09						-0,1	3,34	225	
DEC 08		H	M	S									65/ 575
		00	25	33,0			38,81S	175,74E	12 KM	SE	3,2		AVG MAG 3,3
				0,05			0,05						
WNZ	PG	00	25	37						-3,2	0,34	58	
CNZ	PG	00	25	40,5						-1,2	0,41	201	
	E			50									
TON	EPG	00	25	41						-0,8	0,42	201	2,7
	E			44,5									
	ESG			47,5						-0,1			
KRP	P*	00	25	47,6						-1,9	0,90	350	
	E			58									
	S*			59						-2,7			

		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
TNZ	P	01	10	22.5		0.9	0.29	279			
	S			44		1.2					
TON	E	01	10	25			0.61	87	3.4		
	S			44.5		-0.2					
CNZ	IP	01	10	23.7	U	1.0	0.62	87		4.0	
	S			45		0.2					
	E			47							
KRP	P	01	10	28		-0.2	1.44	25			
	S			53		-1.6					
MNG	IP	01	10	30.2	U	1.6	1.49	158		4.0	
	E			35.5							
	E			48							
	S			55		-0.4					
TUA	P	01	10	33		0.3	1.91	78		4.1	
	ES			11 03		0.6					
WEL	P	01	10	35.2	U	1.2	2.05	180	4.2	4.5	
	S			11 04		-0.8					
COB	P	01	10	38		0.1	2.41	219	3.7		
	S			11 10		-1.7					
GNZ	P	01	10	40.8		0.5	2.62	78		4.5	
	E			11 13							
	ES			15		-0.9					
ECZ	P	01	10	49		0.2	3.35	64		4.5	
	S			11 30		-1.1					
KAI	S	01	11	45		-3.7*	4.15	217	4.2		
GPZ	P	01	11	05		-0.9	4.73	199	4.8		
	S			58		-3.7*					
DEC 11		H	M	S						AVG MAG	
		06	27	07.8			39.74S	174.44E	177 KM	SE 1.3	65/ 587
							0.03	0.03			
TNZ	IP	06	27	33.0	U	0.5	0.55	355		3.9	
	E			46							
	E			50							
	ES			52		0.4					
TON	P	06	27	37		1.7	1.00	58	4.0		
	S			56.2		-0.4					
CNZ	P	06	27	36.9	D	1.5	1.01	58		4.2	
	E			44							
	E			52.5							
	E			58							
MNG	IP	06	27	38.4	U	1.5	1.19	138			
	S			28 00		0.6					
	E			10							
WEL	P	06	27	42.0	U	1.6	1.57	171	4.4	4.4	
	S			28 05		-0.6					
COB	P	06	27	43.6	E	0.0	1.87	223	4.5		
	S			28 09.0		-2.2					
KRP	P	06	27	44.8	D	-0.2	2.00	26			
	S			28 12		-1.6					
TUA	P	06	27	49		0.6	2.30	67		3.9	
	E			28 09							
	S			18		-1.7					
AUC	EP	06	27	56		0.5	2.88	5			
GNZ	P	06	27	57.5		0.7	2.99	70		4.3	
	E			28 28							
	S			33		-1.6					
KAI	EP	06	28	06		1.5	3.61	218			
ECZ	P	06	28	07		-0.0	3.81	59		5.5	
	S			53		0.3					
GPZ	P	06	28	10.5		-1.3	4.18	198	5.5		
MNW	P	06	28	58		-1.9	7.85	217			
DEC 11		H	M	S						AVG MAG	
		06	28	11.0			42.71S	171.93E	12 KM	SE 2.0	65/ 588
							0.03	0.03			

		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
KAI	IP*	06	28	19	NE	-0.4	0.43	295			
	S*			25		-0.5					
GPZ	P*	06	28	31		-0.2	1.12	153	4.3		
	S*			46		-0.2					
COB	E	06	29	00			1.73	21	3.9		
	S*			02.5		-2.0					
WEL	ES*	06	29	27		-2.1	2.54	57	3.8		
	ESG			37		0.2					
ROX	E(P*)	06	29	10		0.6	3.35	213		4.0	3.7
	ESG			30 01		-2.9					
	E			17							
MNG	EP*	06	29	12		2.1	3.38	53		4.5	4.1
	ES*			54		-0.2					
	ESG			30 03		-2.0					
MNW	E(P*)	06	29	32		5.2*	4.36	224		3.6	3.7
	S			30 06		0.5					
TON	ES*	06	30	14		2.2	4.44	39	4.4		
	E			25		-1.1					
	ES*			25		2.4					
	SG			43							
CNZ	E	06	30	16			4.45	39			4.0
	E			34							
	ESG			45		4.1					
KRP	P	06	29	33		1.6	5.51	31			
	S			30 34		0.8					
	ESG			31 14		-2.9					
DEC 11		H	M	S						AVG MAG	
		12	13	57.8			39.27S	178.36E	12 KM	SE 2.0	65/ 587
							0.05	0.06			
GNZ	IPG	12	14	12.8	U	1.2	0.67	337			
	ES*			19		-0.7					
TUA	IP*	12	14	18.1	D	1.3	1.05	296			
ECZ	P*	12	14	26.5		0.6	1.58	5		4.5	4.5
	PG			30		0.2					
	ESG			51		-0.1					
WNZ	E(PG)	12	14	36		0.3	1.87	289		4.1	
CNZ	EP*	12	14	37.5		1.2	2.18	271		3.8	3.7
	EPG			41		-1.0					
	ES*			15 07		1.9					
TON	E(PG)	12	14	43		0.8	2.19	271	3.6		
	S*			15 09		3.7					
	E			21							
KRP	EP	12	14	37		-1.8	2.58	300			
	P*			44		0.9					
	E			57							
	ES*			15 13		-4.1					
MNG	P*	12	14	45		1.8	2.59	238		3.7	3.4
	E			15 00							
	E			40							
	E			52							
TNZ	EP*	12	14	50		-1.8	3.09	270		3.5	
	EPG			59		-1.8					
WEL	ES*	12	15	39		-2.9	3.41	233			3.9
	E			42							
GPZ	ES	12	16	43		7.5*	6.16	222	4.2		
	FELT GISBORNE MM III										
DEC 11		H	M	S						AVG MAG	
		20	30	27.0			38.60S	176.40E	12 KM	SE ND	65/ 588
WNZ	PG	20	30	32		-0.2*	0.24	262			
	SG			33		-2.7*					
KRP	EPG	20	30	50		3.5*	0.96	315			
	FELT WAIKAKEI										

DEC 11	H M S	38.60S	176.40E	12 KM	SE ND	AVG MAG			
	R	R	R	R			W-A	W-P	W-S
	H M S	DIR	RES	DIST	AZ				
WNZ	PG	20 31 14		0.8*	0.24	262			
CNZ	EPG	20 31 31		4.8*	0.90	228	2.0		
KRP	EPG	20 31 31		3.5*	0.96	315			
MNG	EPG	20 31 56		4.7*	2.14	199	2.5		
FELT WAIRAKEI									
DEC 11	H M S	38.60S	176.40E	12 KM	SE ND	AVG MAG			
	R	R	R	R			W-A	W-P	W-S
	H M S	DIR	RES	DIST	AZ				
WNZ	PG	20 31 45		-1.2*	0.24	262			
MNG	EPG	20 32 29		4.7*	2.14	199	2.5		
FELT WAIRAKEI									
DEC 11	H M S	38.60S	176.40E	12 KM	SE ND	AVG MAG			
	R	R	R	R			W-A	W-P	W-S
	H M S	DIR	RES	DIST	AZ				
WNZ	PG	20 33 14		-1.2*	0.24	262			
KRP	EPG	20 33 36		4.7*	2.14	199			
MNG	EPG	20 33 58		4.7*	2.14	199	2.5		
FELT WAIRAKEI									
DEC 11	H M S	38.60S	176.40E	12 KM	SE ND	AVG MAG			
	R	R	R	R			W-A	W-P	W-S
	H M S	DIR	RES	DIST	AZ				
WNZ	PG	20 33 38.5		-0.7*	0.24	262			
KRP	EPG	20 34 17		3.7*	2.14	199			
MNG	EPG	20 34 21		3.7*	2.14	199	2.5		
FELT WAIRAKEI									
DEC 11	H M S	33.02S	177.91W	33 KM	SE 2.6	AVG MAG			
	R	R	R	R			W-A	W-P	W-S
	H M S	DIR	RES	DIST	AZ				
RAO	IP	22 40 42		-0.9	3.76	360			
ECZ	EP	22 41 09		2.6	5.49	211	5.6		
	E	42 10		3.3					
	S	46 31							
GNZ	EP	22 41 20		-0.2	6.51	209			
	E	42 30		-1.2					
	S	46 31							
ONE	EP	22 41 29		2.8	6.96	245	4.8		
	E	42 38							
TUA	EP	22 41 30		2.8	7.03	213			
	E	42 47		3.4					
AUC	EP	22 41 31		2.6	7.12	235			
	E	47							
KRP	EP	22 41 32		1.9	7.25	226			
CNZ	EP	22 41 41.5		-0.3	8.13	219			

	E	57							
	E	43 17							
	E	23							
TON	E	22 41 50			8.13	219	5.4		
	E	42 00							
	ES	43 11		1.0					
TNZ	E	22 41 17							
	EP	22 41 53		2.7	8.76	223			
	E	59							
MNG	EP	22 41 55		-1.8	9.25	213			
	ES	43 34		-2.6					
	SCS	55 21							
WEL	P	22 42 06		-2.2	10.11	213	5.8		
	S	43 54		-3.0					
	EL	45 00							
	SCS	55 25							
COB	S	22 44 15		-2.4	10.98	220	5.4		
KAT	ES	22 44 54		-5.3	12.70	219	5.3		
	E	45 15							
GPZ	E	22 42 52			12.97	212	5.6		
	E	43 54							
	E	44 58							
	ES	45 00.5		-3.2					
ROX	EL	22 47 30			15.87	215			
MNQ	E(P)	22 43 41		6.6*	16.92	217			
	E	44 23							
DEC 12	H M S	37.09S	176.79E	358 KM	SE 0.9	AVG MAG	65/ 594		
	R	R	R	R			W-A	W-P	W-S
	H M S	DIR	RES	DIST	AZ				
	++ 0.8								
KRP	IP	22 55 31.5	U	0.4	1.30	230			
	E	34							
	E	40							
	E	49							
	ES	56 09.5		0.6					
ECZ	EP?	22 55 32		-0.4	1.52	114	4.7	5.1	
	I	32.6							
	E	56 01							
	E	03.5							
	ES	11		-0.0					
AUC	EP?	22 55 31.5		-1.5	1.63	278			
TUA	P	22 55 34		0.3	1.74	171			4.6
	E	56 08							
	ES	12		-1.3					
GNZ	P	22 55 34.6	U	0.3	1.83	148	4.8	5.0	
	E	56 06							
	E	11.5							
	ES	14		-0.4					
CNZ	P	22 55 37.7	D	-0.0	2.32	205	4.4	3.8	
	I	38.1							
	ES	56 21.5		1.0					
	E	27							
TDH	E	22 55 40			2.33	205	3.9		
	S	56 21		0.4					
	E	27							
TNZ	EP	22 55 43.2		1.4	2.82	222	4.0		
MNG	IP	22 55 49.6	U	0.0	3.66	196	4.8	4.6	
	E	56 02							
	E	35							
	ES	41		-0.9					
WEL	P	22 55 58.7		0.8	4.47	200	5.0	4.7	5.0
	E	56 55.5							
	S	58		1.4					
COB	E	22 57 05			5.08	217	4.6		
	ES	07		-1.3					

		H	M	S		DIR	RES	DIST	AZ	W-A	W-P	W-S
KAI	ES	22	57	43			-0.9	6.82	216	4.7		
GPZ	E	22	56	31				7.31	204	5.2		
	ES		57	54			-0.1					
DEC 15		18	11	38.4	36.80S	175.59E		12 KM	SE	1.6	AVG MAG	3.1
					0.03	0.03						
AUC	PG	18	11	50.8		U	-1.0	0.65	264			
	E			56								
	ESG			12 02			1.2					
KRP	P*	18	11	58.5			-0.2	1.12	182			
	S*			12 14			0.1					
	SG			15			-1.5					
	E			18								
ONE	EP*	18	12	03			-0.9	1.42	315	3.1		
	ES*			23			0.1					
	E			32								
CNZ	EP*	18	12	23.5			3.0	2.40	181	3.2		
	EPG			27			0.1					
	ESG			59.5			0.2					
TON	EPG	18	12	28			1.0	2.40	181	3.1		
	ESG			13 00			0.6					
ECZ	ES*	18	12	54			-1.9	2.52	112			
TNZ	EP*	18	12	21			-2.5	2.57	201			
	ES*			55			-2.3					
	E			13 13								
GNZ	EPG	18	12	34			1.6	2.67	134	3.4		
MNG	P*	18	12	47			2.2	3.81	181	3.1		
	ESG			13 47			0.0					
FELT CORUMANDEL MMIV												
DEC 17		15	47	18.7	45.26S	167.73E		33 KM	SE	1.6	AVG MAG	3.1
					0.04	0.06						
MNW	IP*	15	47	28.3		D	-1.3	0.52	188	3.9		
	IS*			38.5			1.0					
ROX	IP*	15	47	39.1		D	-0.6	1.14	101	4.5		
	S*			56			0.8					
MJZ	P	15	47	52.9		D	-1.0	2.33	58	3.6		
	EP*			48 01			1.0					
	E			12								
	S			22			1.3					
	ES*			28			-2.8					
KAI	ES	15	48	59			2.2	3.81	45	3.5		
	ES*			49 16			0.8					
GPZ	E	15	48	37			-0.7	3.85	68	3.5		
	ES			57								
	E			49 01								
	S*			11			-5.3*					
COB	ES	15	49	38			-0.8	5.55	43			
DEC 18		09	19	10.1	37.26S	176.79E		301 KM	SE	0.7	AVG MAG	4.7
					0.04	0.04						
KRP	P	09	19	51.5			-0.3	1.19	236			
	ES			20 25			0.7					
	E			49								
ECZ	P	09	19	53.0			-0.5	1.47	108	4.6		
	E			58								
	E			20 19.5								
	S			27			-0.1					
TUA	EP	09	19	54			-0.2	1.57	170	4.8		
	ES			20 27			-1.3					
GNZ	IP	09	19	55.4		U	0.4	1.69	145	5.0		

		H	M	S		DIR	RES	DIST	AZ	W-A	W-P	W-S
TNZ	ES	20	30.5				0.7					
	P	09	20	05.7			2.3*	2.70	224	4.2		
MNG	P	09	20	11.6		U	0.1	3.50	196	4.7	4.7	
	E			55								
	S			21 00			0.6					
WEL	EP	09	20	21			0.7	4.31	201	4.9	4.3	5.2
	ES			21 16			0.8					
COB	ES	09	21	27.5			-0.8	4.95	218	4.7		
KAI	ES	09	22	05			-0.4	6.69	217	4.7		
GPZ	S	09	22	15			-0.7	7.16	205	5.2		
MJZ	E	09	22	16				8.26	214			
	ES			39.5			-0.4					
MNW	ES	09	23	40			0.7	10.93	216			
DEC 19		12	33	36.2	44.37S	169.80E		12 KM	SE	1.9	AVG MAG	3.9
					0.05	0.06						
MJZ	IPG	12	33	47.6		U	-1.1	0.61	52	3.8	4.2	
	ESG			54.5			-2.5					
ROX	P*	12	33	58.2			1.1	1.16	197	4.3	4.2	
	S*			34 14.5			1.8					
MNW	P*	12	34	12			-1.1	2.10	227	4.1	3.8	
	E			14								
	PG			15.5			-3.1					
	ES*			42			1.2					
	SG			47			0.1					
GPZ	E	12	34	18.5				2.16	73	3.6		
	EPG			19.5			-0.3					
	E			23								
	E			39.5								
	S*			43			0.4					
KAI	E(P*)	12	34	16			1.5	2.18	33	3.2		
	EPG			18.5			-1.8					
	E			32								
	ES*			44			0.7					
	ESG			53			3.3					
DEC 19		13	46	53.6	38.39S	175.67E		281 KM	SE	0.8	AVG MAG	4.0
					0.03	0.04						
KRP	P	13	47	29.8		D	-0.3	0.48	347			
	S			58			-0.6					
CNZ	IP	13	47	32.2		U	1.0	0.81	187	4.3		
TON	EP	13	47	32.2			1.0	0.81	187			
	E			48 15								
TNZ	EP	13	47	35			1.1	1.28	231	3.5		
GNZ	EP	13	47	38			0.2	1.86	98	3.5	4.0	
	E			48 07								
	ES			11			-1.2					
MNG	P	13	47	41.2		D	0.3	2.23	184	3.9	3.9	
	S			48 19			1.2					
ECZ	P	13	47	42.0			-0.3	2.37	74	4.5	4.2	
	E			48 14								
	ES			20			-0.2					
WEL	P	13	47	48.4			0.2	2.97	193	4.2	3.8	4.2
	S			48 31			0.3					
COB	ES	13	48	40			-1.0	3.52	219	3.8		
KAI	ES	13	49	16			-0.9	5.25	217	4.1		
GPZ	ES	13	49	27			-1.0	5.77	202	4.7		
MJZ	EP	13	48	33.2			0.0	6.83	213			
	S			49 51.5			0.2					
DEC 19		21	43	17.1	38.06S	176.87E		12 KM	SE	2.3	AVG MAG	4.6
					0.04	0.03						

		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S
WNZ	P*	21	43	32		-0.3	0.83	227			
	ES*			40		-3.6					
	E			50							
KRP	P*	21	43	35.3	D	-1.1	1.06	277			
	E			44							
	SG			53		-0.1					
GNZ	IP*	21	43	36.0	U	-0.6	1.07	123		5.4	
	SG			54		0.5					
ECZ	P*	21	43	41.5		-0.2	1.38	75		5.4	
	SG			44 05		1.4					
CNZ	P*	21	43	42.5		-2.0	1.54	222		4.8	
	EPG			48		-0.2					
	ESG			44 13		4.0					
TON	E	21	43	45			1.54	222		3.9	
	PG			48		-0.4					
	E			44 08							
	ESG			12		2.8					
TNZ	EP*	21	43	55		-1.7	2.25	239		4.2	
	EPG			44 01		-1.6					
MNG	EP	21	43	59		-1.6	2.77	202		4.8	
	E			44 01							
	EP*			05		-0.6					
	ESG			51		0.5					
ONE	E	21	44	24			3.04	318		3.8	
	ESG			45 01		1.3					
WEL	P*	21	44	22		2.1	3.60	206		4.6	4.9
	ESG			45 17		-1.6					
COB	EP*	21	44	33		-0.4	4.40	225		4.2	
	EPG			42		-4.0					
	E			56							
	ES			45 17		4.6					
	ES*			31		0.1					
KAI	EP*	21	45	07		4.3	6.11	221		4.6	
	ES*			46 13		-9.2*					
GPZ	EPG	21	45	19		-9.0*	6.47	208		4.5	
	S			58		-4.1					
	E			46 03							
MJZ	EP	21	45	05		-1.0	7.64	217			
	E			14							
	ES			46 30		0.0					
	E			36							
MNW	ES	21	47	37		3.4	10.34	219			
FELT BAY OF PLENTY MMV											
DEC 20		H	M	S							
		05	40	54.2			39.65S	173.79E	12 KM	SE	1.3
							0.01	0.02			AVG MAG
											4.5
TNZ	PG	05	47	07.3	D	-0.2	0.65	45		4.1	
	E			11							
	ES*			17.5		2.1					
	ESG			18.5		2.1					
TON	EP	05	47	19.5		-0.0	1.43	72		3.9	
	EP*			20.5		0.8					
	S*			39		0.2					
CNZ	P	05	47	19.5	U	-0.1	1.44	72			
	P*			20.2		0.4					
	ES*			39		0.0					
MNG	P*	05	47	23.7	U	0.7	1.62	127		4.5	
	PG			27		-0.0					
	E			30							
	S*			45		0.5					
COB	EP	05	47	22.5		0.1	1.65	209		3.7	
	EP*			25		1.6					
	ES			42.5		-0.7					
	S*			46.5		1.2					

		H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S
WEL	P*	05	47	27.2		1.2	1.80	156		3.9	4.6 4.8
	PG			31.5		0.9					
	E			40.5							
	ES*			50		0.1					
	ESG			53		-1.9					
KRP	P	05	47	29.4		-0.4	2.20	39			
	P*			32		-0.9					
	EPG			38		-0.7					
	ES			55.5		-0.7					
	ES*			59		-2.9					
KAI	EP*	05	47	55		1.8	3.39	211		4.1	
	E			48 09							
	E			31							
	S*			40		2.3					
	ESG			47		-1.4					
ONE	E(P)	05	47	52.5		-0.3	3.89	7		3.6	
	E			48 33							
	ES			37		-0.3					
GPZ	E	05	48	03			4.13	192		3.9	
	EPG			17		-0.7					
	ES			43		-0.1					
	ES*			54		-6.0*					
	ESG			49 11		-2.5					
ECZ	E	05	48	01			4.21	64		4.1	
	EP*			06		-1.2					
MJZ	EPG	05	48	34		-1.1	4.99	209		3.8 3.6	
	ESG			49 38		-4.5*					
DEC 21		H	M	S							65/ 602
		05	19	24.2			38.35S	175.88E	194 KM	SE	1.5
							0.04	0.04			AVG MAG
											4.5
KRP	IP	05	19	50.2	UNW	-0.6	0.51	327			
	IS			20 08.6		-2.7					
CNZ	P	05	19	54.3	D	1.5	0.88	197			
TON	EP	05	19	54.3		1.5	0.89	197		3.1	
	E			57							
	S			20 16		1.1					
TUA	P	05	19	54.6		0.4	1.09	115		4.8 4.9	
	E			20 12							
	ES			16		-1.5					
TNZ	P	05	19	59.2	U	2.1	1.44	234		4.0 3.5	
	S			20 25		2.4					
GNZ	EP	05	20	00		0.4	1.70	100		4.6 4.8	
	E			09							
	E			19							
	S			26		-1.0					
AUC	P	05	19	59.0	D	-0.9	1.73	329			
ECZ	P	05	20	05.4	D	0.5	2.20	73		4.5 4.7	
	ES			36		-0.2					
MNG	IP	05	20	06.8	U	1.1	2.28	188		4.8 4.7	
	E			36							
	S			38		0.3					
WEL	EP	05	20	15.4		0.7	3.05	196		4.8 4.6 4.6	
	S			53		-0.7					
COB	EP?	05	20	23		0.9	3.65	221		4.2	
	E			26							
	S			21 06		-0.8					
KAI	ES	05	21	44		-2.2	5.39	218		4.3	
	E			22 01							
GPZ	E(P)	05	20	50		-0.5	5.87	204		5.0	
	E			21 19							
	S			54		-3.5*					
MJZ	P	05	21	05.3		0.7	6.95	214			
	E			47							
	ES			22 20.5		-2.3					

		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
	E			14							
AUC	P	11	49	30.8		1.3	3.52	5			
	ES			50 11		0.6					
GPZ	EP	11	49	30.5		0.5	3.56	200	4.7		
	E			50							
	E			50 06							
	ES			08.5		-3.0*					
ECZ	ES	11	50	26		-1.4	4.22	52			
ONE	EP	11	49	45		1.0	4.59	0	4.1		
	E			58							
	S			50 35.5		-1.0					
MJZ	EP	11	49	44		-0.6	4.63	217	3.9		
	E			50							
	E			59							
	E			50 14							
	E			29							
MNW	E	11	50	57			7.32	220			
	S			51 42		-1.4					
DEC 22	H M S	17	20	43.9							
				49.29S 163.49E		33 KM	SE	4.3	AVG MAG		
				0.88 0.76							
	H M S	17	21	47							
MNW	P					-1.6	4.49	40	4.1		
	S			22 38.5		0.2					
MJZ	EP	17	22	22		-2.6	7.15	45			
	E			35							
	E			23 30							
	E			45							
GPZ	E	17	22	53			8.43	52	4.6		
	S			24 09		-4.0					
	E			50							
MNG	EP	17	23	34		3.8	12.12	49			
	ES			25 44		4.2					
DEC 22	H M S	18	01	50.1							
				49.81S 164.30E		33 KM	SE	3.4	AVG MAG		
				0.38 0.45							
	H M S	18	02	55							
MNW	P					-1.6	4.61	30	4.9		
	S			03 45		-2.5					
ROX	P	18	03	07		-1.6	5.51	40	4.5		
	S			04 08		-1.1					
MJZ	P	18	03	28.0		-3.4	7.19	38			
	E			39							
	E			43							
	E			04 38							
	ES			51		1.4					
GPZ	E	18	03	50			8.38	46	4.6		
	E			04 41							
	S			05 14		-3.9					
	E			57							
KAI	ES	18	05	34		6.1	8.80	37	4.7		
COB	ES	18	06	09		-0.1	10.54	37			
MNG	EP	18	04	37.5		1.4	12.10	45			
	E			05 35							
	ES			06 46		0.5					
CNZ	(P)	18	04	56		4.7	13.29	41			
	E			05 05							
	E			07 29							
	E			42							
DEC 23	H M S	01	20	31.6							
				37.74S 176.44E		215 KM	SE	1.1	AVG MAG		
				0.04 0.04		6					

		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
KRP	P	01	21	01		-0.5	0.74	255			
	S			23.5		-1.2					
TUA	P	01	21	04.7		0.3	1.20	152		4.1	4.2
	E			23							
	S			30		0.1					
GNZ	P	01	21	07.2		0.0	1.54	126		3.9	4.5
	ES			34.5		-0.2					
CNZ	P	01	21	09.6	U	1.8	1.61	205		3.3	3.0
	E			47.5							
TON	ES	01	21	38		2.0	1.62	206	2.9		
	E			59							
ECZ	S	01	21	36		-0.8	1.67	89			4.1
	E			48							
TNZ	EP	01	21	15		1.8	2.17	228		3.5	3.2
	E			59							
ONE	EP?	01	21	17		-0.6	2.58	319			
MNG	IP	01	21	22.0	U	-0.1	2.97	194		4.4	3.9
	ES			22 00.5		-0.7					
WEL	P	01	21	32		0.4	3.77	200	4.0	4.2	4.2
	ES			22 18		-0.1					
COB	ES	01	22	31		-1.1	4.40	220	4.0		
GPZ	S	01	23	19		-3.4*	6.61	205	4.3		
MJZ	ES	01	23	47		-0.9	7.70	214			
DEC 23	H M S	01	31	20.8							
				38.15S 175.95E		213 KM	SE	1.4	AVG MAG	65/ 609	
				0.06 0.05		8					3.7
	H M S	01	31	54							
KRP	P					-1.2	0.40	304			
	S			32 15		-2.1					
CNZ	P	01	31	59.8	D	1.1	1.09	197		3.2	3.0
	E			32 32							
TON	ES	01	32	23.5		0.0	1.10	197	2.7		
	E			30							
TUA	P	01	31	59		-0.1	1.15	125		3.5	4.0
	E			32 19							
	ES			24		-0.1					
TNZ	P	01	32	04		1.1	1.61	229		3.4	3.1
	ES			34		3.3					
GNZ	EP	01	32	04		0.3	1.70	107		3.3	3.8
	S			33		0.8					
ECZ	E	01	32	12			2.10	78		4.4	
	E			41							
	E			51							
MNG	EP	01	32	11.5		-0.3	2.49	188		3.9	4.2
	E			44							
	ES			46		-0.5					
WEL	P	01	32	21		0.3	3.26	196	4.0	3.9	4.1
	ES			33 01		-1.4					
COB	ES	01	33	14		-0.9	3.84	219	3.8		
GPZ	S	01	34	01		-4.4*	6.08	203	4.5		
MJZ	E	01	34	26			7.15	214			
	ES			30		-0.3					
DEC 23	H M S	11	11	36.5							
				38.91S 175.10E		238 KM	SE	1.2	AVG MAG	65/ 610	
				0.05 0.04		5					4.6
	H M S	11	12	09.6							
TON	EP					1.7	0.45	130	4.0		
	E			11.5							
	IS			20.5							
	E			32.5		0.1					
	E			38							
CNZ	IP	11	12	09.6	U	1.6	0.45	129			
	E			20							
	S			32.5		0.1					

TNZ	P	11 12 10.1	U	1.6	0.62	244	4.1												
	E	32																	
KRP	IP	11 12 10.4	D	-0.3	1.05	19													
	ES	35.5		-1.2															
TUA	IP?	11 12 14.3	D	-0.5	1.60	87	4.4												
	E	15.0																	
	E	37.5																	
	ES	43.5		-0.9															
MNG	IP	11 12 17.1	U	1.3	1.73	170	5.0												
	ES	46		-0.2															
AUC	E	11 12 23			2.07	353													
GNZ	IP	11 12 21.1	D	-0.1	2.30	84	5.0												
	E	29																	
	E	50																	
	ES	55		-0.8															
WEL	P	11 12 23.4	U	1.4	2.36	186	4.5	4.6											
	ES	58.5		1.2															
COB	EP	11 12 26.9		0.1	2.83	219	4.1												
	E	13 05																	
	ES	06		0.0															
ECZ	P	11 12 27.3	D	-1.1	2.97	67	5.5												
	E	13 05.5																	
	ES	09.5		0.8															
ONE	E	11 12 33			3.19	349													
KAI	ES	11 13 40		-2.2	4.57	217	4.5												
GPZ	P	11 12 53.5		-0.5	5.12	200	5.3												
	E	13 01																	
	S	52.5		-1.9															
MJZ	EP	11 13 06.5		-0.3	6.15	213													
	ES	14 16.5		-1.0															
MNW	E	11 15 16			8.81	216													
	ES	20		1.6															
	H M S																		
DEC 23	17 12 51.0	38.62S	176.07E	12 KM	SE	2.9	AVG MAG												
	+- 1.0	0.07	0.05	R															
	H M S			DIR	RES	DIST	AZ	W-A	W P	W S									
WNZ	EPG	17 12 49.5		-3.8	0.03	107													
	ESG	52		-2.8															
CNZ	EPG	17 13 07		1.5	0.71	215	2.5												
	E	23																	
TON	E	17 13 15			0.71	216	1.9												
	E	26																	
KRP	PG	17 13 06		-1.7	0.81	329													
	SG	21		2.3															
TUA	EPG	17 13 10		1.3	0.86	103	3.2												
	ESG	23		2.6															
TNZ	EPG	17 13 18		-2.1	1.43	246	3.1												
	ESG	42		2.5															
	FELT WAIRAKEI																		
	H M S																		
DEC 27	13 25 18.7	38.89S	175.22E	227 KM	SE	1.5	AVG MAG												
	+- 0.9	0.05	0.05	7															
	H M S			DIR	RES	DIST	AZ	W-A	W P	W S									
CNZ	P	13 25 50.5	U	1.7	0.41	141													
	ES	26 12.5		0.4															
TNZ	P	13 25 51.9		1.9	0.72	245	3.8												
	E	54																	
KRP	IP	13 25 51.7	D	0.3	0.90	15													
	S	26 15		-1.8															
	E	22																	
TUA	P	13 25 56.2		1.0	1.51	88	4.7												
	E	26 16.5																	
	ES	22		-1.5															
MNG	IP	13 25 59.5	U	2.2	1.74	173	4.7												
	ES	26 27.5		0.5															

GNZ	P	13 26 02.3	D	0.6	2.21	85					4.4	4.4							
	E	30																	
	S	34		-0.9															
WEL	P	13 26 06.0	U	2.1	2.42	188	4.5	4.3	4.5										
	ES	39.5		0.6															
ECZ	P	13 26 08.8		-0.1	2.88	67					4.8	4.0							
	ES	46		-1.8															
	E	48																	
	E	56																	
COB	EP	13 26 09.5		0.2	2.91	220	4.2												
	S	48		-0.5															
KAI	ES	13 27 23		-2.5	4.65	217	4.4												
GPZ	ES	13 27 37		-0.5	5.18	201	5.1												
MJZ	E(P)	13 26 51		1.1	6.22	213													
	E	27 26																	
	ES	59.5		-1.6															
MNW	ES	13 29 01		-1.5	8.89	217													
	H M S																		
DEC 29	13 03 23.9	43.87S	172.46E	12 KM	SE	1.8	AVG MAG												
	+- 0.7	0.03	0.04	R															
	H M S			DIR	RES	DIST	AZ	W-A	W P	W S									
GPZ	PG	13 03 27.7	S	-1.0	0.22	39	2.7												
	ESG	31		-1.0															
MJZ	P*	13 03 50.3	U	0.7	1.44	264					4.0	3.9							
	IPG	52		-1.1															
	S*	04 10		1.1															
	ESG	13		0.3															
	E	17																	
KAI	P*	13 03 51		-0.3	1.54	330	3.2												
	S*	04 11.5		-0.4															
	ESG	13.5		-2.5															
ROX	ESG	13 04 56		-0.9	2.76	233						4.0							

		ES	27 21	2.5					
		S*	47	-4.7					
WEL	EP	09 26 20		-1.1	7.17	214	5.2		
	EP*	41		-3.1					
	ES	27 39		-0.1					
	ES*	28 17		-0.5					
	EL	50							
COB	E	09 26 50			8.08	224	4.7		
	E	27 23							
	S	28 01		0.3					
	E	59							
KAI	EP*	09 27 27		-1.8	9.78	221	5.1		
	ES	28 41		-0.2					
	E	48							
GPZ	E	09 27 03			10.04	213	5.1		
	ES	28 47		-0.4					
	H M S								
DEC 31	16 19 51.4	34.81S	179.08W	33 KM	SE	2.0	AVG MAG		
	+- 2.1	0.09	0.15	R					
		H M S	DIR	FES	DIST	AZ	W-A	W-P	
ECZ	P	16 20 43		0.9	3.46	213		4.0	
	ES	21 20		-0.8					
	E	22 04							
GNZ	P	16 20 55		-1.0	4.48	210		4.1	
	P*	21 11		1.7					
	ES	45		-0.6					
	S*	22 00		-7.8*					
TUA	EP	16 21 02		-1.2	5.00	216		3.9	
	ES	59		0.7					
	E	22 03							
KRP	P	16 21 08		0.3	5.34	233			
	P*	22		-2.1					
	ES	22 06		-0.4					
	E	13							
ONE	EP	16 21 13		3.9	5.45	258			
	EP*	24		-1.9					
CHZ	P?	16 21 19		0.6	6.14	223			
	E	23							
	P*	34		-3.7					
	ES	22 28		2.4					
TON	E	16 23 14			6.14	223			
TNZ	E	16 22 02			6.81	228			
GPZ	ES	16 24 21		1.2	10.94	213			

FELT EARTHQUAKES

THE FELT REPORTING SYSTEM

In addition to its instrumental network, the Observatory has organised a network of about 400 voluntary observers covering the country, who describe the effects of any earthquakes they feel on a standard form. The Observatory also received many unsolicited reports from meteorological observers, radio and newspaper reporters, postmasters and members of the general public. In the case of large earthquakes, or ones that present features of special interest questionnaires are issued or the district visited.

Several difficulties arise in assessing the distribution of felt intensity. The population of the country is very unevenly distributed, and the observer's personal circumstances may prevent him from feeling a shock that has been noticed by others. Similar shortcomings affect lists of earthquakes felt at any one place. It may reasonably be assumed that a strong earthquake reported from one township was felt in another a few miles distant, even though the Observatory has received no report. However, an index of this kind must summarise the data and not the deductions, so the following scheme is used.

The land area of New Zealand has been divided into numbered rectangles, with sides measuring half a degree of latitude or longitude, as shown on the accompanying map. Each rectangle is given a number and a name, usually that of the principal centre of population within it. These areas are termed 'localities', and the names are listed on the following page. In most areas, there are at least two well-separated reporters, but there are still some sparsely populated parts of the country without observers, notably in Fiordland, the mountainous parts of Southland, and on the boundary between Nelson and Marlborough.

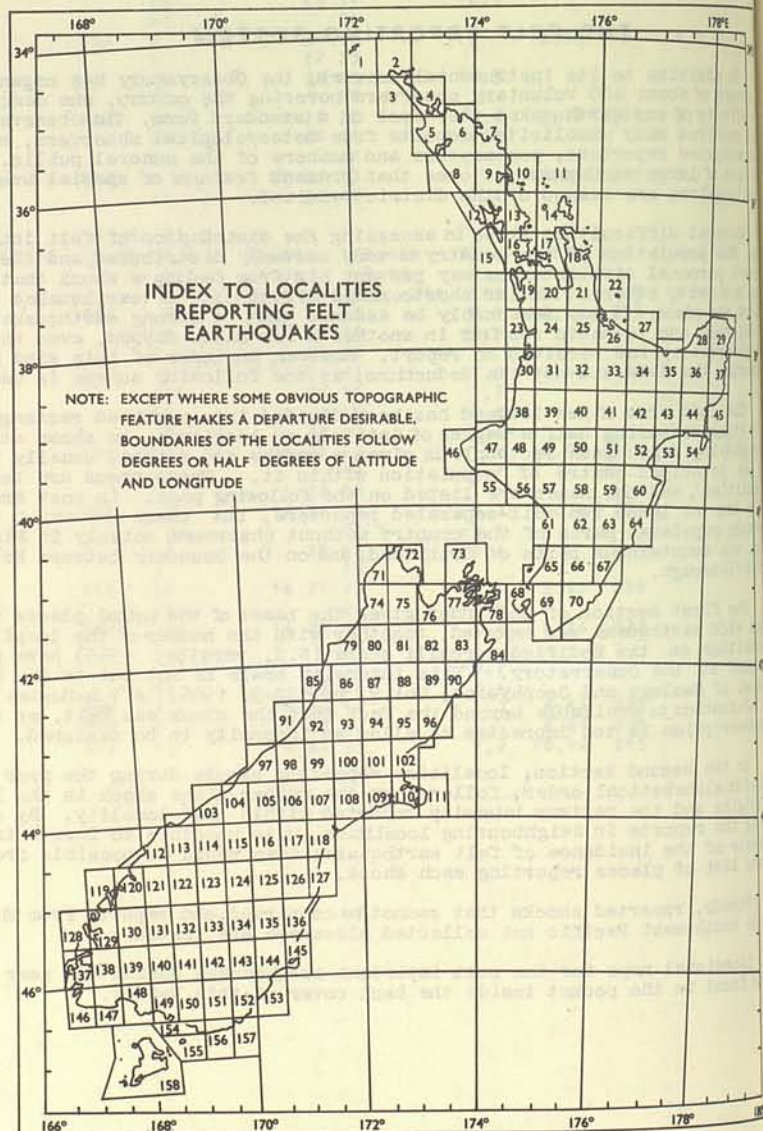
The first section of the index gives the names of the actual places from which each earthquake was reported, together with the number of the locality. Intensities on the Modified Mercalli scale (N.Z. version, 1965) have been assigned at the Observatory. This intensity scale is set out in the N.Z. Journal of Geology and Geophysics, Vol.9, pp.122-9, 1966. A ? indicates that no information is available beyond the fact that the shock was felt, or that the description is too imprecise to allow an intensity to be assigned.

In the second section, localities reporting shocks during the year are listed in alphabetical order, followed by the number of the shock in the list of origins and the maximum intensity reported within that locality. By comparing the reports in neighbouring localities, it is possible to form a truer estimate of the incidence of felt earthquakes than would be possible from a simple list of places reporting each shock.

Finally, reported shocks that cannot be confirmed, and reports from places in the south-west Pacific not collected elsewhere are listed.

Isosismal maps for the most important earthquakes during the year are to be found in the pocket inside the back cover of this Report.





LIST OF REPORTING LOCALITIES

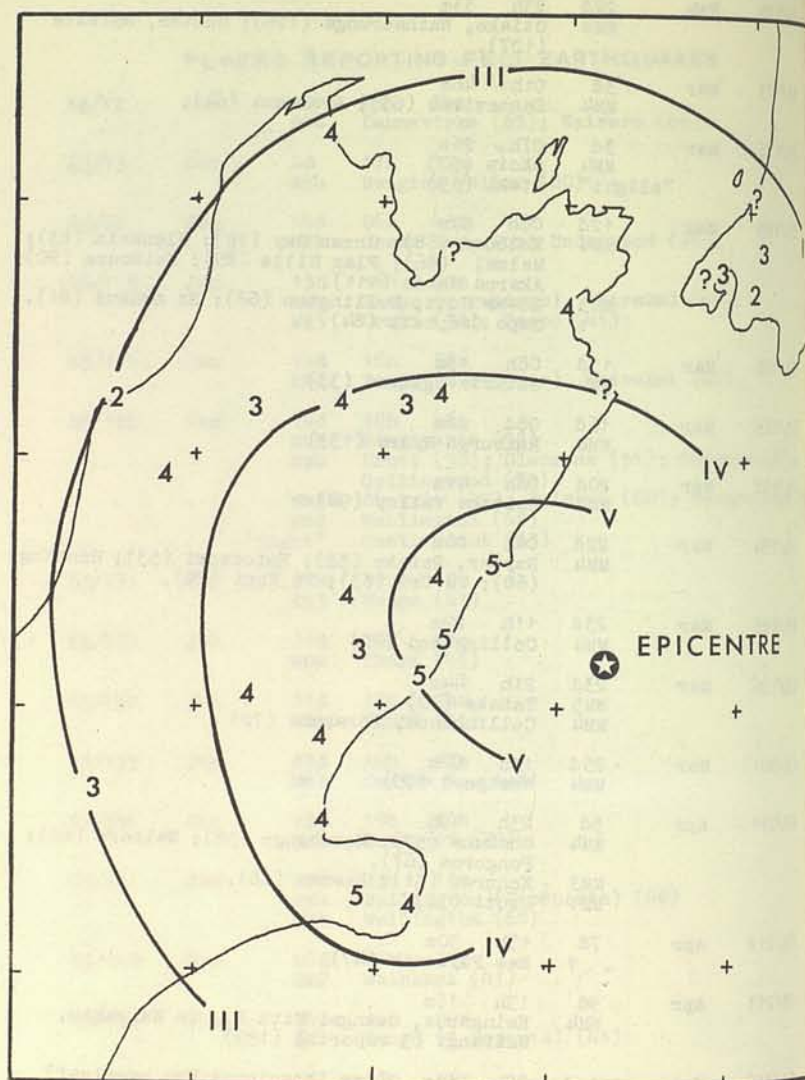
1	Three Kings	54	Mahia	107	Mt. Somers
2	Te Reinga	55	Hawera	108	Ashburton
3	Ninety Mile Beach	56	Waverley	109	Rakaia
4	Doubtless Bay	57	Wanganui	110	Christchurch
5	Kaitiaki	58	Taihape	111	Akaroa
6	Kaikōhe	59	Ruahine	112	Big Bay
7	Bay of Islands	60	Hastings	113	Jacksons Bay
8	Dargaville	61	Bulls	114	Makarora
9	Whangarei	62	Palmerston North	115	Lake Ohau
10	Bream Head	63	Dannevirke	116	Pukaki
11	Moko Hinau	64	Porangahau	117	Fairlie
12	Kaipara	65	Otaki	118	Timaru
13	Warkworth	66	Masterton	119	George Sound
14	Barrier Islands	67	Castlepoint	120	Milford
15	Helensville	68	Wellington	121	Glenorchy
16	Auckland	69	Featherston	122	Arrowtown
17	Waikōhe	70	Martinborough	123	Wanaka
18	Coromandel	71	Mt. Stevens	124	St. Bathans
19	Pukekohe	72	Takaka	125	Kurov
20	Mercer	73	D'Urville Is.	126	Duntroon
21	Thames	74	Karamea	127	Waimate
22	Mayor Is.	75	Motueka	128	Secretary Is.
23	Raglan	76	Nelson	129	Doubtful Sound
24	Hamilton	77	Blenheim	130	Te Anau
25	Matamata	78	Picton	131	Livingstone Mts.
26	Tauranga	79	Westport	132	Kingston
27	Whakatane	80	Murchison	133	Alexandra
28	Te Kaha	81	Glenhope	134	Poolburn
29	East Cape	82	Wairau	135	Ranfurly
30	Kawhia	83	Awatere	136	Oamaru
31	Te Kuiti	84	Cape Campbell	137	Resolution Is.
32	Tokoroa	85	Greymouth	138	Pillans Pass
33	Rotorua	86	Reefton	139	Monowai
34	Murupara	87	Maruia	140	Mossburn
35	Opotiki	88	Hanmer	141	Waikāia
36	Motu	89	Clarence	142	Roxburgh
37	Tolaga Bay	90	Kaikōura	143	Lawrence
38	Mokau	91	Hokitika	144	Outram
39	Taumarunui	92	Kumara	145	Dunedin
40	Tokana	93	Arthur's Pass	146	Puysegur Pt.
41	Taupo	94	Lake Sumner	147	Potteretere
42	Te Whaiti	95	Culverden	148	Tuatapere
43	Tuahi	96	Cheviot	149	Invercargill
44	Whakapūnaki	97	Franz Josef	150	Gore
45	Gisborne	98	Hari Hari	151	Clinton
46	Cape Egmont	99	Whitcombe Pass	152	Balclutha
47	New Plymouth	100	Lake Coleridge	153	Waihola
48	Whangamōmona	101	Oxford	154	Bluff
49	Ohakune	102	Rangiora	155	Ruapuke
50	Chateau	103	Haast	156	Tahakopa
51	Kaweka	104	Bruce Bay	157	Owaka
52	Napier	105	Mt. Cook	158	Stewart Is.
53	Wairoa	106	Tekapo	159	Chatham Is.

PLACES REPORTING FELT EARTHQUAKES

65/12	Jan	2d MM4	23h 34m Dannevirke (63); Wairere (66).
65/13	Jan	4d MM4	17h 12m Mangles Valley (80)
65/69	Jan	10d MM4	06h 43m Ocean Bay, Port Underwood (78).
65/115	Jan	13d MM4 MM3	16h 53m Taupo (2 reports), Wairakei (41). Uruti (38); Taupo (41).
65/116	Jan	14d MM4	16h 56m Taupo (2 reports), Wairakei (41).
65/125	Jan	14d MM5 MM4 MM3 MM2 "light"	18h 46m Rangiwahia (58) Uruti (38); Glenross (51); Ohakune (57); Collingwood (72). Ohakune (49); Waipawa (60); Bunnythorpe (81); Wellington (68) Castlepoint (67)
65/131	Jan	21d MM3	11h 12m Taupo (41)
65/133	Jan	21d MM4	18h 07m Taupo (41)
65/134	Jan	21d MM4	18h 24m Taupo (41)
65/135	Jan	22d MM2	19h 17m Centre I. (148)
65/136	Jan	22d MM4	19h 22m Westport (79)
65/141	Jan	25d MM4 MM3	23h 15m Wellington (2 reports) (68) Wellington (68)
65/142	Jan	26d MM2	02h 37m Wairakei (41)
65/144	Jan	26d MM4	14h 09m Taupo (3 reports) (41)
65/154	Feb	1d MM4	12h 29m Taupo (41)
65/155	Feb	2d MM4 MM2	04h 52m Kelburn, Ngaio, Wellington (68) Wellington (68)
65/166	Feb	14d MM3	17h 51m Ponatahi (70)
65/167	Feb	17d MM4	18h 04m Wellington (68); Ocean Bay (78).

FELT EARTHQUAKES

65/170	Feb	22d MM4	23h 33m Otiake, Waihaorunga (126); Hunter, Waimate (127).
65/173	Mar	3d MM4	01h 46m Dannevirke (63); Aramoana (64).
65/176	Mar	3d MM4 "slight"	07h 26m Okoiā (57) Otaki (65)
65/185	Mar	12d MM4 MM3 ?	08h 07m Kelburn (68); Ocean Bay (78); Blenheim (83); Maimai (86); Flax Hills (89); Kaikoura (90); Akaroa Heads (111). Lower Hutt, Wellington (68); St Arnaud (81). Cape Campbell (84)
65/186	Mar	13d MM4	08h 15m Guthrie-Ngakuru (33)
65/189	Mar	16d MM4	08d 22m Roxburgh Hydro (133)
65/192	Mar	20d MM4	08h 41m Waitaha Valley (98)
65/194	Mar	22d MM4	06h 08m Napier, Patoka (52); Kotemaori (53); Hastings (60); Te Uri (63); Te Kopi (70).
65/195	Mar	23d MM4	11h 20m Collingwood (72)
65/196	Mar	23d MM5 MM4	21h 44m Takaka (72) Collingwood, Tarakohe (72)
65/201	Mar	25d MM4	11h 02m Westport (79)
65/211	Apr	5d MM4 MM3 MM1	23h 49m Ohakune (57); Moawhango (58); Wairere (66); Pongoroa (67). Kohurau (51); Naenae (68). Uruti (38)
65/212	Apr	7d ?	13h 30m New Plymouth (47)
65/213	Apr	9d MM4	13h 18m Kaingaroa, Owenga, Pitt I., Te Kairakau, Waitangi (3 reports) (159)
65/216	Apr	11d MM5 MM4 MM3 MM2-3 MM2	00h 11m (see Isoseismal Map overleaf) Kaikoura (90); Cheviot (2 reports) (96); Akaroa (111). Collingwood (72); St Arnaud (81); Wye Hills (82); Blenheim (83); Maimai (86); Flax Hills (89); Kaikoura (90); Melrose (94); Hanmer Springs (95); Lake Coleridge (100); Amberley (102); Christchurch (110); Le Bons Bay (111). Naenae (68); Ponatahi (70); Mangles Valley (80); The Branch (82); Culverden (95). Christchurch, Lyttelton (110) Wairongomai (69); Westport (79).



Modified Mercalli Intensities
for the earthquake of 1965 April 11
Epicentre 65/216
M = 6.2 h = 12 km

				?	Paraparaumu (65); Kelburn (68); Nelson (76); Cape Campbell (84). "Not Felt" report received from Bunnythorpe (62).
65/237	Apr	16d	02h 33m	MM3	Ohakune (57)
65/240	Apr	23d	05h 56m	MM4	Collingwood (72); Tadmor (75).
65/241	Apr	23d	09h 24m	MM4	Te Kopi (70)
65/260	May	10d	16h 21m	MM4	Okoia (57)
65/264	May	12d	19h 42m	MM3	Wellington (68)
65/267	May	15d	19h 17m	MM4	Purangi (48); Ohakune (49); Waitotara (56); Ohakune, Okoia, Wanganui (57); Foxton (61); Palmerston North (62). MM3 ? Bunnythorpe (62) National Park (49); Chateau, Tangiwai, Waiouru (50).
65/271	May	18d	23h 22m	MM2	Westport (79)
65/273	May	20d	02h 03m	MM4	Dawson Falls (47); Patoka (52); Ohakune (57); Table Flat (58); Hastings (60); Bunnythorpe, Fielding (62); Dannevirke (63); Eketahuna, Wairere (66). MM3 Ponatahi (70) MM2 Lower Hutt (68) ? Wanganui (57); Palmerston North (62); Levin (65); Wellington (68). "Not Felt" report received from Purangi (48).
65/274	May	20d	20h 37m	MM5	(see Map 3 for Isoseismals) Knobs Flat (121); Tarras (123); Deep Cove (129); Frankton, Garston, Gibbston, Kingston, Queenstown (2 reports) (132); Manapouri (139); Otama (141); Te Wae Wae (148); Heddon Bush (149). MM4 Ross (91); Whataroa (2 reports) (97); Haast, Pleasant Flat (103); Mahitahi (104); Jackson Bay, Mount Aspiring (113); Lake Wanaka, Makarora, Minaret (114); Milford Sound (2 reports) (120); Emslaw (121); Arrowtown (122); Cardrona, Glendhu Bay, Luggate (2 reports), Wanaka (123); Blackstone Hill, Lower Lindis, St Bathans (124); Dansey Pass, Haka Downs, Kyebum Diggings (125); Dunroon, Otokaika, Otiaka, Waikora (126); Waimate (127); Te Anau (130); Queenstown (132); Conroy's Gully, Cromwell, Earnscliffe, Waitiri (133); Lauder, Matakau (134); Naseby, Waipiata (135); Bushey Park, Kauru Hill, Oamaru, Waimotu, Windsor (136); Eastern Bush, Lillburn Valley, Redcliff, Wether Hill (139); Dunrobin, Eyre Creek, Lumsden, Mossburn (140); Athol, Kaweku, Mandeville (141); Kelso, Mount

Benger, Roxburgh (2 reports) (142); Beesley (143); Berwick, Henley (144); Goodwood Road, Port Chalmers, Waikouaiti (145); Puysegur Point (146); Otautau, Tuatapere (148); Peak Hill, Gap Road, Gummies Bush, Invercargill; Lora Downs, Riverton (149); Glen Dhu, Gore (reports), Wyndham (150); Kaiwera, Popotahi (151); Clydevale, Milton, Owaka (152); Clarendon, Glenledi (153); Awarua Radio, I., Waimahaka, Waipapa Point (154); Quarry Hills, Waikaha (156).

MM3 Camelback (91); Haast (103); Albury, Casterton (117); Temuka (118); Hawea Flat (121); Hakataramea (125); Hunter (127); Oamaru (130); Dipton (140); Heriot, Roxburgh, Waikaha (141); Lawrence, Waipori Falls (143); Dunedin (144); Centre I. (148); Invercargill, Spring Hill (149); Ashley Downs (151); Owaka (152).

MM2 Kowhitirangi (91)

MM1 Timaru (118)

"sharp" Milford Sound (120)

"slight" Queenstown (132); Beaumont (143).

"mirrors shaken" Dunedin (145)

? Hunter Valley (114); Invercargill (149).

"Not Felt" reports were received from observers in localities 85, 86, 92, 93, 98-104, 107, 117, 118, 125, 152.

65/300 May 31d 23h 37m
MM4 Kowhitirangi, Ross (91); Taipo River (92); Rotomanu (93); Waitaha (98); Peak Hill (99); Otira (93)

65/301 Jun 2d 16h 30m
MM5 Wairakei (41)

65/310 Jun 12d 00h 23m
MM4 Okoia (57); Kelburn (2 reports), Khandaia (68); Manaroa, Ocean Bay (78); Blenheim (79); Wellington (2 reports), York Bay (68)

65/317 Jun 15d 04h 13m
MM3 Milford Sound (120)

65/318 Jun 15d 09h 20m (see Map 3 for Isoseismals)
MM5 Maketu (26); Thornton (27); Cape Runaway (29); Te Teko (34); Matahi (35); Waipapa (36); Maungatarata (37).

MM4 Hairini, Te Puke (26); Edgecumbe, Poroporo, Whakatane (2 reports) (27); Aorangi, Matahi (35); Pakira, Rangitukia, Ruatoria (29); Lake Okataina (33); Galatea, Kaingaroa Forest, Murapara (2 reports) (34); Opotiki, Waimana (35); Arowhana, Motu, Otoko (36); Te Puia Springs, Owena (37); Broadlands (41); Araken, Clydebank, Erepiti, Tuai (43); Eastwood Hill, Gisborne, Ngatapa, Waerengaohika (44); Gisborne (45); Raetihi (49); Kohurau (51); Patoka, Taraponui, Tareha, Te Pohue, Te Pahi (52); Kotemaori (53); Tuhara (54); Ohakana (57); Bunnythorpe (62); Maharakeke, Waitaha (63); Aramoana (64); Wairere (66).

MM3 Tairua, Waihi Beach (21); Okere Falls (33); Mokairau (37); Waiouru (50); Waiwhare (51); Eskdale (52); Okoia (57); Moawhango, Table Flat (58); Ashley Clinton (59); Opiki,

Parewami (61); Porangahau (64); Waitarere Forest (65).

MM2 Rocky Bay (17); Waitahinga (56); Kimbotton (62); Whangaehu (66); Wellington (68); Te Kopi (70).

MM1 Coromandel (18)

? Waerenga Rd (20)

"Not Felt" reports were received from observers in localities 4-7, 9, 12, 13, 15-21, 23-26, 30-33, 38-40, 46-50, 52, 55-70.

Records of a second shock following the shock at 09h 20m were received as follows:

MM5 Thornton (27); Te Teko (34); Matahi (35).

MM4 Matarau (29); Kaingaroa Forest (34); Opotiki, Waimana (35); Matu (36); Owena, Te Puia Springs (37); Gisborne (44).

MM3 Ngatapa (44)

? Ruatoria (29); Otoko (36).

The instrumental records show only a single event and it must be presumed that the reports refer to the P and S phases of the one event.

65/322 Jun 16d 06h 08m
MM4 Warea (46)

65/323 Jun 16d 09h 24m
MM4 Owena (37)
MM3 Te Puia Springs (37)

65/324 Jun 16d 13h 41m
MM4 Wairakei (41)

65/328 Jun 19d 03h 46m
MM4 Ocean Bay (78)

65/330 Jun 21d 12h 11m
MM4 Farewell Spit (72)

65/331 Jun 21d 20h 43m
MM4 Portobello, Sawyers Bay, Waverley (145)

65/337 Jun 26d 07h 44m
MM4 Opiki (61); Eketahuna, Masterton, Wairere (66); Ponatahi (70).

MM3 Palmerston North (62); Masterton (66).

MM2 Lower Hutt (68)

65/342 Jun 28d 14h 58m
MM4 Opotiki (35)

65/350 Jul 4d 00h 56m
MM4 Wairakei (2 reports) (41)

65/352 Jul 5d 18h 25m
MM4 Wanganui (57)

65/354 7d 16h 35m
MM4 Napier (52)

65/359 Jul 8d 18h 25m
MM4 Kohurau (51); Table Flat (58); Bunnythorpe, Fielding, Palmerston North (62); Dannevirke, Te Uri (63); Eastry, Eketahuna, Wairere (66); Te Kopi (70).

"sharp" Castlepoint (67)

	Jul	13d	Following reports that numerous small shocks had been felt in the New Plymouth area between 10 and 27 July, a limited questionnaire was circulated. Felt reports received refer to epicentres 65/375 and to one unconfirmed shock on 15 July at 4.5m. The following places reported that localities disclosed no felt shocks in the period: Uruti (38); Rahotu (46); Dawson Falls, Eltham, Stratford, Tarata (47); Omoana, Whangamomona, Hawera (55).
65/365	Jul	16d MM4 "slight"	16h 39m Kaponga (47) New Plymouth (47)
65/370	Jul	20d MM4	15h 25m Westport (2 reports) (79)
65/371	Jul	20d "sharp"	19h 22m Castlepoint (67)
65/375	Jul	23d MM4	20h 56m New Plymouth (47)
65/376	Jul	25d MM3	10h 51m Akaroa (111)
65/377	Jul	26d MM3	18h 43m Milford Sound (120)
65/381	Jul	28d MM4 MM2	15h 15m Okato (46); New Plymouth (47). New Plymouth (47)
65/382	Jul	29d MM4	13h 06m Hawkswood (96)
65/383	Jul	30d MM4 MM3	11h 25m Kingston (132); Manapouri (139); Athol Croydon Siding (150). Dunedin (145) "Not Felt" report was received from Gore
65/384	Jul	30d MM4	16h 50m Opotiki (35)
65/385	Aug	1d MM4	13h 45m New Plymouth (47)
65/394	Aug	12d MM4	08h 51m Wairakei (41)
65/396	Aug	13d MM4	11h 47m Edgecumbe (27)
65/397	Aug	13d MM5 MM4	18h 46m Oruanui, Wairakei (41) Taupo, Wairakei (41)
65/398	Aug	13d ?	18h 51m Oruanui (41)
65/399	Aug	13d ?	18h 53m Oruanui (41)
65/403	Aug	17d MM6	00h 14m Manaroa (78)

				MM4	Omoana, Purangi (48); Hawera (55); Waitotara (56); Okoia (57); Table Flat (58); Foxton (61); Paraparaumu (65); Wellington (3 reports) (68); Stephen I. (73); Ocean Bay (78).
				MM3	Ohakune, Wangamui (57); Bunnythorpe (62); Petone (68).
				MM2	Pa Valley (66)
				"slight"	Kelburn (68)
65/407	Aug	19d	12h 19m	MM4	Gisborne (45)
65/413	Aug	22d	03h 20m	MM5	Erewhon (98)
				MM4	Ross (91); Waitaha (98).
				MM3	Lake Coleridge (100)
65/415	Aug	22d	04h 59m	?	Erewhon (98)
65/416	Aug	22d	09h 08m	?	Erewhon (98)
65/417	Aug	22d	17h 26m	?	Erewhon (98)
65/419	Aug	25d	15h 03m	MM4	Erewhon (98)
65/424	Aug	29d	09h 35m	MM4	Erewhon (98)
65/426	Aug	30d	07h 26m	MM4	Erewhon (98)
65/429	Sep	1d	04h 57m	MM4	Tokomaru Bay (37)
65/430	Sep	1d	07h 42m	MM4	Erewhon (98)
65/432	1d	09h	28m	MM4	Oruanui (41)
65/433	Sep	1d	09h 38m	MM4	Oruanui (41)
65/436	Sep	3d	07h 19m	MM4	Erewhon (98)
65/441	Sep	6d	11h 51m	MM4	Erewhon (98)
65/442	Sep	8d	06h 32m	MM4	Warea (46)
65/443	Sep	8d	06h 35m	MM4	Warea (46)
65/447	Sep	17d	01h 18m	MM2	Wellington (68)
65/451	Sep	18d	02h 32m	?	Cobb (75)

65/614 Dec 30d 00h 58m
MM4 Waiwhare (51); Patoka (52); Ohakune

EARTHQUAKES FELT IN STANDARD LOCALITIES

Localities within which earthquakes were felt in 1965 are listed in alphabetical order, preceded by its number on the reference map. The following the name of the locality is the number of the epicentre, followed by the maximum intensity (in brackets) reported within the district of the locality name. The instrumental magnitude may be found from the list, and the places that actually reported the shock from the table "Reporting Felt Earthquakes".

133	Alexandra	189 (4),	274 (4)	
111	Akaroa	185 (4),	216 (5),	376 (3),
122	Arrowtown	274 (4)		
93	Arthur's Pass	300 (4)		
16	Auckland	580 (?)		
83	Awatere	185 (4),	216 (4),	310 (4),
		580 (4)		
152	Balclutha	274 (4)		
154	Bluff	274 (4)		
104	Bruce Bay	274 (4)		
61	Bulls	267 (4),	318 (3),	337 (4),
		467 (4),	541 (4)	
84	Cape Campbell	185 (?),	216 (?)	
46	Cape Egmont	322 (4),	381 (4),	442 (4),
67	Castlepoint	125 (?),	211 (5),	359 (?),
		573 (3),	580 (4)	
50	Chateau	267 (?)	318 (3),	573 (?)
153	Chatham Is.	213 (4)		
96	Cheviot	216 (5),	382 (4),	462 (4)
110	Christchurch	216 (4),	573 (?),	613 (4)
89	Clarence	185 (4),	216 (4)	
151	Clinton	274 (4)		
18	Coromandel	318 (1),	595 (4)	
95	Culverden	216 (4)		
63	Dannevirke	12 (4),	173 (4),	194 (4),
		318 (4),	359 (4),	580 (4)

129	Doubtful Sound	274 (5)		
145	Dunedin	274 (4),	331 (4),	383 (3)
126	Duntroon	170 (4),	274 (4)	
73	D'Urville Is.	403 (4)		
29	East Cape	318 (5)		
117	Fairlie	274 (3),	491 (?)	
69	Featherston	216 (2),	580 (3)	
97	Franz Josef	274 (4)		
45	Gisborne	318 (4),	407 (4),	502 (4),
		573 (4),	580 (4),	587 (3),
81	Glenhope	185 (3),	216 (4)	
121	Glenorchy	274 (5)		
150	Gore	274 (4),	383 (4)	
85	Greymouth	573 (?),	580 (3)	
103	Haast	274 (4)		
98	Hari Hari	192 (4),	300 (4),	413 (5),
		416 (?),	417 (?),	419 (4),
		426 (4),	430 (4),	436 (4),
				441 (4),
60	Hastings	125 (3),	194 (4),	273 (4),
		571 (3),	573 (4),	580 (3),
55	Hawera	403 (4)		
91	Hokitika	274 (4),	300 (4),	413 (4),
149	Invercargill	274 (5)		
113	Jackson's Bay	274 (4)		
90	Kaikoura	185 (4),	216 (5)	
51	Kaweka	125 (4),	211 (3),	318 (4),
		573 (4),	580 (4),	614 (4),
132	Kingston	274 (5),	383 (4)	
92	Kumara	300 (4)		
125	Kurow	274 (4)		
100	Lake Coleridge	216 (4),	413 (3)	
54	Lake Sumner	216 (4),	462 (3)	
143	Lawrence	274 (4)		
54	Mahia	318 (4)		
114	Makarora	274 (4)		

70	Martinborough	166 (3), 273 (3), 573 (4),	194 (4), 318 (2), 580 (4),	216 (3), 337 (4),	241 359
66	Masterton	12 (4), 337 (4), 573 (4),	211 (5), 359 (4), 580 (4),	273 (4), 403 (3),	318 580
20	Mercer	318 (?)			
120	Milford	274 (4),	317 (3),	377 (3)	
38	Mokau	115 (3),	125 (4),	211 (1)	
139	Monowai	274 (5),	383 (4)		
140	Mossburn	274 (4)			
36	Motu	318 (5),	580 (4)		
75	Motueka	240 (4),	451 (?)		
107	Mount Somers	566 (4)			
80	Murchison	13 (4),	216 (3)		
34	Murupara	318 (5),	573 (4),	580 (4),	600
52	Napier	194 (4), 464 (4),	273 (4), 573 (4),	318 (4), 580 (4),	350 614
76	Nelson	216 (?)	580 (?)		
47	New Plymouth	212 (?), 381 (4),	273 (4), 385 (4),	365 (4), 456 (2)	375
136	Oamaru	274 (4)			
49	Ohakune	125 (3),	267 (4),	318 (4)	
35	Opotiki	318 (5), 573 (3),	342 (4), 580 (4),	384 (4), 583 (4),	518 600
65	Otaki	176 (?), 403 (4),	216 (?), 573 (4),	273 (?),	318
144	Outram	274 (4)			
62	Palmerston North	125 (3), 337 (3), 580 (3)	267 (4), 359 (4),	273 (4), 403 (3),	318 541
78	Picton	69 (4), 328 (4),	167 (4), 403 (6),	185 (4), 573 (4)	310
134	Poolburn	274 (4)			
64	Porangahau	173 (4),	318 (4)		
146	Puysegur Point	274 (4)			
135	Ranfurly	274 (4)			
102	Rangiora	216 (4)			
86	Reefton	185 (4),	216 (4)		

33	Rotorua	186 (4),	318 (4)		
142	Roxburgh	274 (4)			
59	Ruahine	318 (3)			
124	St Bathans	274 (4)			
156	Tahakopa	274 (4)			
58	Taihape	125 (5), 359 (4),	211 (4), 403 (4),	273 (4), 573 (4),	318 (3), 580 (4),
72	Takaka	125 (4), 240 (4),	195 (4), 330 (4),	196 (5), 576 (4),	216 (4),
41	Taupo	115 (4), 134 (4), 301 (5), 394 (4), 432 (4), 531 (5), 588-592 (?),	116 (4), 142 (2), 318 (4), 397 (5), 433 (4), 557 (4), 611 (?)	131 (3), 144 (4), 324 (4), 398 (?), 459 (4), 577 (4),	133 (4), 154 (4), 350 (4), 399 (?), 524 (4), 579 (3),
26	Tauranga	318 (5)			
130	Te Anau	274 (4)			
31	Te Kuiti	580 (?)			
21	Thames	318 (3)			
118	Timaru	274 (3),	491 (4)		
40	Tokaanu	559 (4)			
37	Tolaga Bay	318 (5), 580 (4)	323 (4),	429 (4),	518 (4),
43	Tuai	318 (4)			
148	Tuatapere	135 (2),	274 (5)		
17	Waiheke	318 (2)			
153	Waiholo	274 (4)			
141	Waikaiti	274 (5),	383 (4)		
127	Waimate	170 (4),	274 (4),	491 (?)	
82	Wairau	216 (4)			
53	Wairoa	194 (4), 580 (4)	318 (4),	518 (?),	573 (4),
123	Wanaka	274 (5)			
57	Wanganui	125 (4), 260 (4), 318 (4), 473 (4), 614 (4)	176 (4), 267 (4), 352 (4), 541 (4),	211 (4), 273 (4), 403 (4), 573 (4),	237 (3), 310 (4), 467 (4), 580 (3),
56	Waverley	267 (4),	318 (2),	403 (4),	573 (3)

68	Wellington	125 (2), 185 (4), 273 (2), 403 (4), 580 (4)	141 (4), 211 (3), 310 (4), 447 (2)	155 (4), 216 (3), 318 (2), 573 (3)	161 (4), 264 (4), 337 (2), 578 (4)
79	Westport	136 (4), 370 (4)	201 (4)	216 (2)	271 (4)
44	Whakapunaki	318 (4)			
27	Whakatane	318 (5)	396 (4)	580 (4)	600 (4)
48	Whangamomona	267 (4)	403 (4)		
99	Whitcombe Pass	300 (4)			

UNCONFIRMED REPORTS

The following shocks reported to have been felt cannot be confirmed either by an instrumental record or by an independent report.

Jan	4d	16h57m	Ngakuru (33)	MM4
	5	00 15	Mangles Valley (80)	MM4
	15	09 15	Farewell Spit (72)	MM1-2
	24	19 05	Blenheim (83)	MM3
Feb	1	09	Ngakuru (33)	MM3?
Mar	1	08 50	Guthrie-Ngakuru (33)	MM3
	1	13 13	Guthrie-Ngakuru (33)	MM4
	3	10	Otaki Beach (65)	"slight"
	9	11 27	Guthrie-Ngakuru (33)	followed by smaller shocks until about 13h30m
	10	11 30	Guthrie-Ngakuru (33)	MM4
	12	04 10	Wairau Valley (83)	MM4
Apr	5	10 23	Guthrie-Ngakuru (33)	MM3
	5	12 10	Moawhango (58)	?
	7	01 15	Te Kopi (70)	MM3
	11	00(10)	Guthrie-Ngakuru (33)	MM3
	11	14 45	Turangi (40)	MM4
	22	08-		
		09 35	Guthrie-Ngakuru (33)	five small shocks of the character with intensities MM4 or less
	26	10 08	Okioia (57)	MM4
May	9	09 27	Guthrie-Ngakuru (33)	MM4
	19	20 20	Lower Lindis (124)	MM4
	31	17 20	Stratford (47)	MM3
Jun	1	11 40	Otira (93)	MM2
	4	08 10	Farewell Spit (72)	MM3
	15	08 20	Te Puia Springs (37)	MM4
	15	09 50	Murapara (34)	MM4
	15	13 51	Wairakei (41)	MM4
	19	21 12	Takaka Aerodrome (72)	MM4
	23	04 26	Tokomaru Bay (37)	MM4
	23	04 34	Tokomaru Bay (37)	MM4
Jul	7	18 30	Great Barrier Is. (14)	"four slight jolts"
	8	07 42	Table Flat (58)	MM4
	15	15 45	Lepperton (47)	MM3
	17	20 20	Wairakei (41)	MM4
	18	00 28	Wairakei (41)	MM4
	18	00 30	Wairakei (41)	MM4

Jul	18d	00h43m	Wairakei (41)	MM4
	29	14 10	New Plymouth (47)	MM1
Aug	11	03 50	Hermitage (105)	MM4
	22	03-		
	25	15	Erewhon (98)	Numerous small tremors reported during this period (probably aftershocks of 65/413)
				"slight"
	25	18 30	Erewhon (98)	?
	29	11	Erewhon (98)	?
	30	10 20	Erewhon (98)	MM4
Sep	1	later during the night	Erewhon (98)	?
	2	during the night	Erewhon (98)	?
	3	later during the night	Erewhon (98)	?
	26	05 13	Taupo (41)	MM4
	27	05 10	Taupo (41)	MM3
Oct	8	23 51	Westport (79)	MM3
	9	22 08	Waitotara (56)	MM4
	23	16 39	Cromwell (133)	MM4
	25	19 04	Taupo (2 reports), Wairakei (41)	MM3
Nov	6	09- 17	Wairakei (41)	"about 20 shocks felt during this period"
	9	04 15	Wairakei (2 reports) (41)	MM4
	12	11 19	Waitotara (56)	MM4
Dec	6	10 00	Taupo (41)	MM3
	7	06 13	Allandale (110)	MM3
	7	21 50	Taupo (41)	MM4
	7	22 00	Taupo (41)	MM4
	8	01 50	Taupo (41)	?
	8	08 25	Taupo (41)	MM3
	20	10 40	Ponatahi (70)	MM3
	20	21 45	Kawerau (34)	MM3

FELT EARTHQUAKES REPORTED FROM OUTSIDE NEW ZEALAND

The Observatory sometimes receives reports of felt earthquakes from islands in the south-west Pacific and other places beyond the limits of its systematic reporting network. The following reports were received during 1965.

Jan	3d	16h39m	Raoul I.	MM4
	20	00 43	Raoul I.	MM3-4
	28	12 14	Raoul I.	MM3
	29	11 43	Raoul I.	MM2
	30	12 32	Raoul I.	MM4
Feb	4	05 54	Raoul I.	MM3
	4	06 02	Raoul I.	MM3
	4	09 43	Raoul I.	MM4
	5	19 16	Raoul I.	MM3
	18	22 14	Raoul I.	MM3
	18	22 22	Raoul I.	MM3
	19	03 22	Raoul I.	MM3
Mar	2	05 58	Raoul I.	MM3
	5	14 09	Raoul I.	MM3
	5	17 09	Raoul I.	MM4
	6	11 02	Raoul I.	MM3
	6	18 55	Raoul I.	MM3

Mar	7d	01h43m	Raoul I.	MM5
	7	07 20	Raoul I.	MM3
	7	16 09	Raoul I.	MM3
	10	02 36	Raoul I.	MM3
	11	22 34	Raoul I.	MM3
	13	01 08	Raoul I.	MM3
	14	23 49	Raoul I.	MM3
	15	05 04	Raoul I.	MM3
	22	02 45	Keppel I.	MM1
	29	23 58	Raoul I.	MM3
Apr	1	05 05	Raoul I.	MM3
	10	03 53	Raoul I.	MM2
	10	23 42	Raoul I.	MM2
	11	02 11	Raoul I.	MM3
	11	17 04	Raoul I.	MM4
	12	17 45	Niuafo'ou	MM6
	12	19 17	Niuafo'ou	MM4
	16	00 45	Raoul I.	MM3
	19	04 40	Raoul I.	MM3
	30	13 25	Raoul I.	?
May	17	18	Nukualofa	?
Jun	3	03 19	Raoul I.	MM2
Jul	27	10 02	Raoul I.	MM2
Aug	11	14 08	Raoul I.	MM1
	20	21 23	Tonga	?
	22	10 40	Raoul I.	MM2
	23	21 30	Raoul I.	?
	28	16 31	Raoul I.	MM4
	29	23 55	Raoul I.	MM3
Sep	18	21 00	Raoul I.	MM4
	25	10 30	Raoul I.	MM2
	29	15 39	Raoul I.	MM4
Oct	4	05 05	Raoul I.	Submarine upheaval 30 ft high observed north coast of island
	4	05 32	Raoul I.	MM3
	13	08 45	Raoul I.	MM3
Nov	11	22 50	Raoul I.	MM3
	19	01 14	Raoul I.	MM3
	19	07 08	Raoul I.	MM3
Dec	4	10 14	Raoul I.	MM2
	10	11 31	Raoul I.	MM3

STATION READINGS

FROM DISTANT EARTHQUAKES

This section contains the readings from earthquakes at distances beyond about 10 degrees from Wellington, and is divided into two parts, the first containing data from stations within the main islands of New Zealand (including Chatham Island), and the second containing the data from other stations of the network. Both lists include U.S. Coast and Geodetic Survey origin data, and magnitudes computed from the New Zealand data.

The arrangement is as follows. For each earthquake the first line gives the origin time, epicentre, focal depth and magnitude assigned by the USCGS, and in the case of the New Zealand stations, the distance from Wellington in degrees. For the overseas stations, distances are listed individually with the station readings. When no USCGS data are available, this line is omitted. Next the arrival times of phases at the individual stations are listed. With these are given directions of first motion, the amplitudes and periods of the associated ground motions, the results of the magnitude calculations, and values of $\log_{10} A/T$ for the short-period vertical component.

Periods are given in seconds, and amplitudes in microns. These are worked out by the computer, using a stored polynomial approximation to the response curve of the seismometer concerned. The magnitudes are the 'unified magnitude' $m = \log_{10} A/T + Q$, defined by Gutenberg and Richter (Annali di Geofisica, Pt. 1-15, 1956). No station correction is applied. Only the vertical component recordings of P or PP, and the horizontal components of P, PP or S are used. The value printed on the right is the mean of separate determinations for all the components whose amplitude and period data are given on the same line.

Magnitude calculations are carried out only for the stations at Wellington, Karapiro, Gisborne, Roxburgh, and Monowai within New Zealand, and for the overseas stations at Ariamalu, Rarotonga, Suva, Raoul Island, and Scott Base.

PART ONE --- Readings from Stations within N.Z.

For Part 2, readings from overseas stations, see page 443.



	H	M	S	EPICENTRE	DEPTH	MAG		DIST
JAN 01	03	44	16,6	5,4S 154,3E	136KM		SOLOMON IS	
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE
	KRP	EP	Z	03 51 21		-1,31		
	CNZ	EP	Z	03 51 30	D			
JAN 01	KRP	EP	Z	17 10 09				
JAN 01	KRP	EP	Z	17 56 06				
	CNZ	EP	Z	17 56 13				
JAN 01	CNZ	EP	Z	19 42 45				
	KRP	EP	Z	19 42 53				
JAN 02	09	36	53,9	22,1S 179,4W	555KM	4,6	S OF FIJI IS	
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE
	KRP	EP	Z	09 40 18,8	U			
	MNW	EP	Z	09 41 43,5	D			
JAN 02	13	44	18,9	19,1N 145,4E	142KM	6,1	MARIANA IS	
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE
	KRP	EP	Z	13 54 34,6	U			
	E		Z	55 07				
	WEL	EP	Z	13 54 50				
	ES		ZN	14 03 20			1 28	
	MNW	EP	Z	13 55 01		-0,86		
	ROX	EP	Z	13 55 35				
	ES		N	14 03 50				
JAN 02	KRP	EP	Z	17 23 14		-1,28		
	MNW	EP	Z	17 24 37				
JAN 02	18	10	15,5	19,1N 145,4E	145KM	5,3	MARIANA IS	
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE
	KRP	EP	Z	18 20 31	U			
	MNW	EP	Z	18 20 56				
JAN 03	10	55	28,0	0,3S 124,9E	39KM	5,0	MOLUCCA SEA	
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE
	MNW	EP	Z	11 05 25				
	CNZ	EP	Z	11 05 27				
JAN 04	07	07	31,1	19,1S 177,5W	570KM	5,5	FIJI IS	
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE
	KRP	P	Z	07 11 25,0	D	-0,37		
	CNZ	EP	Z	07 11 34				
	WEL	EP	Z	07 11 52		-0,17		
	ROX	EP	Z	07 12 43				
	MNW	EP	Z	07 12 49	U			
JAN 04	ONE	EP	E	08 20 35				
	E(S)		E	22 03				
	ECZ	EP	Z	08 20 37				
	E(S)		Z	21 56				
	GNZ	EP	Z	08 20 42				
	E(S)		Z	22 13				
	KRP	EP	Z	08 20 48	D			
	TUA	EP	Z	08 20 49				
	ES		Z	22 26				
	CNZ	EP	Z	08 20 58				
	E(S)		Z	22 45				

DISTANT EARTHQUAKES

	H	M	S	EPICENTRE	DEPTH	MAG		DIST
	TNZ	EP	Z	08 21 04				
	WEL	P	Z	08 21 20				
	ES		Z	23 25				
	COB	ES	E	08 23 32				
	GPZ	ES	N	08 24 21				
	KAT	ES	X	08 24 24				
JAN 04	05	21	55,7	7,4S 127,9E	148KM	5,0	BANDA SEA	
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE
	KRP	EP	Z	05 31 02		-1,78		5,2
JAN 04	21	12	50,9	22,3S 179,5W	555KM	4,6	S OF FIJI IS	
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE
	KRP	EP	Z	21 13 17		-1,25		5,2
JAN 05	CNZ	E(P)	Z	13 53 51				
JAN 05	18	05	58,6	20,3S 174,1W	33KM	6,0	TONGA IS	
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE
	KRP	EP	Z	18 10 28	D	-0,74		5,4
	CNZ	EP	Z	18 10 36				
	WEL	E(P)	Z	18 10 56				
	ES		NE	15 11				
	EL		ZNE	17 00				
	ROX	EP	Z	18 11 59				
	E		E	16 36				
	EL		NE	19 00				
	MNW	EP	Z	18 12 03		-0,78		5,8
JAN 05	20	45	50,6	34,6N 138,8E	363KM	4,7	NEAR HONSHU, JAPAN	
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE
	KRP	E(P)	Z	20 57 22				
JAN 05	23	00	14,8	15,3S 173,1W	33KM	5,3	TONGA IS	
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE
	KRP	EP	Z	23 05 36				
	CNZ	EP	Z	23 05 48				
JAN 06	00	55	27,4	7,0S 122,9E	546KM	5,4	FLORES SEA	
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE
	MNW	EP	Z	01 04 05		-1,04		5,4
	KRP	P	Z	01 04 20,5	D			
	E		Z	05 09				
	CNZ	EP	Z	01 04 23	D			
	WEL	EP	Z	01 04 23				
JAN 06	09	19	01,2	41,4S 85,4W	33KM	5,5	WEST CHILE RISE	
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE
	CNZ	EP	Z	09 30 16,5	U			
	KRP	EP	Z	09 30 21				
JAN 06	11	27	49,3	16,3S 177,5E	109KM	4,9	FIJI IS	
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE
	KRP	EP	Z	11 32 32				
	CNZ	EP?	Z	11 32 43				
	E		Z	58				

	H	M	S	EPICENTRE	DEPTH	MAG													
				H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE	TE	MAG						
JAN 07	05	40	40.6	22.9S 171.5E	33KM	4.5	LOYALTY IS												
				H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE	TE	MAG						
	KRP	EP		Z 05 44 27															
JAN 07	12	54	09.4	19.3N 145.5E	120KM	5.2	MARIANA IS												
	KRP	EP		Z 13 04 26															
	CNZ	EP		Z 13 04 33															
JAN 08	17	43	32.6	18.2S 172.6W	392KM	4.2	TONGA IS												
	KRP	EP		Z 17 47 50															
JAN 08	18	49	46.0	59.4S 24.0W	39KM	5.9	SOUTH SANDWICH IS												
	MNW	EP		Z 19 01 24															
	WEL	EP		Z 19 01 43															
	KRP	EP		Z 19 02 02															
JAN 08	21	08	06.0	13.2S 112.0W	33KM	4.9	N OF EASTER IS												
	KRP	EP		Z 21 19 03															
JAN 09	06	47	21.9	18.0S 175.4W	229KM	5.0	TONGA IS												
	KRP	EP		Z 06 51 54															
	WEL	E(P)		Z 06 52 27															
JAN 09	11	19	22.2	3.5S 150.3E	32KM	4.7	NEW IRELAND												
	KRP	EP		Z 11 27 07															
	GNZ	E(P)		Z 11 27 21															
JAN 09	13	32	46.4	11.9N 126.2E	5KM	6.1	PHILIPPINE IS												
	KRP	EP		Z 13 43 47															
	MNW	EP		Z 13 43 51															
	CNZ	E(P)		Z 13 43 52															
	WEL	EP		Z 13 43 55															
		E(S)		NE 52 32															
		EL		Z 14 05 00															
		MAX		Z 14 00 00															
	TUA	EP		Z 13 43 55															
	GNZ	EP		Z 13 43 58															
JAN 10	02	56	56.3	5.6S 154.5E	126KM	5.0	SOLOMON IS												
	KRP	EP		Z 03 03 59															
	CNZ	EP		Z 03 04 08.5 U															
JAN 10	02	52	23.9	45.8N 26.6E	128KM	5.3	RUMANIA												
	KRP	EPKP		Z 03 12 32															
	CNZ	EPKP		Z 03 12 33															

DISTANT EARTHQUAKES

	H	M	S	EPICENTRE	DEPTH	MAG													
				H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE	TE	MAG						
JAN 10	07	37	35.1	5.8S 147.3E	113KM	6.5	NEW GUINEA												
	KRP	P		Z 07 45 10.0 U															
		E(PP)		Z 47 07															
		E		Z 50 47															
	CNZ	EP		Z 07 45 17.5 U															
	WEL	EP		Z 07 45 25															
		E(S)		N 52 20															
		EL		Z 57 00															
	MNW	P		Z 07 45 30.0 U															
		E(+PP)		Z 56															
JAN 10	13	36	30.7	13.5S 166.6E	32KM	6.5	NEW HEBRIDES IS												
	ONE	EP		E 13 41 44															
		E		E 42 00															
		E(S)		E 45 55															
		EL		E 47															
	KRP	EP		Z 13 42 00															
		E		Z 18															
	ECZ	E(P)		Z 13 42 09															
		E		Z 16															
		E		Z 33															
	TUA	EP		Z 13 42 09.5															
		E		Z 14															
		E		Z 34															
	GNZ	EP		Z 13 42 15															
		E		Z 21															
		E(S)		Z 46 54															
	WEL	IP		Z 13 42 22 U															
		E		Z 45															
		E		E 43 44															
		E		E 46 33															
		E		Z 47 04															
		E(S)		ZNE 13															
		E		ZNE 23															
		EL		ZNE 49															
	GPZ	EP		N 13 42 44															
		E		N 43 11															
		E(S)		N 47 44															
	ROX	EP		ZN 13 42 54 S															
		ES		ZNE 48 04															
		EL		ZNE 50															
	MNW	EP		Z 13 42 55															
		E		Z 48 28															
JAN 10	16	39	19.7	24.3S 180.0W	518KM		S OF FIJI IS												
	KRP	EP		Z 16 42 23															
		ES		Z 44 57															
	WEL	ES		NE 16 45 46															
JAN 10	17	30	12.2	3.2S 146.7E	64KM		BISMARCK SEA												
	KRP	EP		Z 17 38 14															
	MNW	E(P)		Z 17 38 39															

	H	M	S	EPICENTRE	DEPTH	MAG		DIST (DEG)
JAN 10	18	00	41.1	3.4S 146.2E	39KM	5.1	BISMARCK SEA	WEL 65
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	18 08 45				
	MNW	EP	Z	18 09 07				
JAN 11	KRP	EP	Z	00 38 22				
JAN 11	KRP	EP	Z	01 33 45				
JAN 11	06	48	22.3	6.5S 154.4E	100KM	5.3	SOLOMON IS	WEL 62
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	E(P)	Z	06 55 24				5.5
JAN 11	10	15	58.9	22.7S 174.8W	33KM	4.5	TONGA IS	WEL 41
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	EP?	Z	10 20 57				5.2
JAN 11	11	36	51.9	21.3S 179.1W	642KM	4.3	FIJI IS	WEL 41
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	P	Z	11 40 44		-1.57		
	MNW	P	Z	11 42 08		-1.96		
JAN 11	20	14	33.5	43.0N 139.2E	189KM	5.3	SFA OF JAPAN	WEL 97
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	P	Z	20 26 59		-1.20		
	CNZ	E(P)	Z	20 27 03				
JAN 12	04	41	17.6	21.1S 174.7W	123KM	4.9	TONGA IS	WEL 61
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	04 45 27				
	MNW	EP	Z	04 47 04		-1.56		
JAN 12	06	57	08.2	13.5S 166.4E	70KM	4.5	NEW HEBRIDES IS	WEL 21
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	E(P)	Z	07 02 48				5.6
JAN 12	09	34	20.9	23.8S 179.9W	514KM		S OF FIJI IS	WEL 21
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	09 37 29				
	CNZ	EP	Z	09 37 42				
JAN 12	14	35	45.4	18.1S 176.3W	563KM	5.0	FIJI IS	WEL 123
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	14 39 47				
	MNW	EP	Z	14 41 10				
JAN 12	20	50	12.3	5.5S 102.5E	33KM	5.6	S SUMATRA	WEL 81
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	CNZ	P	Z	21 01 43		D		
JAN 13	08	40	57.0	39.0N 140.7E	19KM	5.0	HONSHU, JAPAN	WEL 81
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	P	Z	08 53 20		-1.54		5.6

	H	M	S	EPICENTRE	DEPTH	MAG		DIST (DEG)
JAN 13	16	57	16.0	36.5S 98.6W	33KM	5.1	S. PACIFIC OCEAN	WEL 65
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	P	Z	17 07 57		-1.54		5.6
	WEL	S	Z	17 16 43			1 32	
		SS	Z	20 30				
		L	Z	26 30			3 30	
		MAX	Z	29			2 20	
JAN 13	22	15	24.6	0.0N 123.9E	127KM		CELEBES	WEL 62
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	MNW	P	Z	22 25 17		-1.56		5.5
JAN 14	08	28	45.3	6.2S 149.9E	63KM	5.6	NEW BRITAIN	WEL 41
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	P	Z	08 36 11		-1.61		5.2
		E(PP)	Z	38 18				
	CNZ	P	Z	08 36 19				
	MNW	P	Z	08 36 35				
		E(PP)	Z	38 53				
	WEL	E	Z	08 36 36				
		EPP	Z	38 20				
		E(S)	Z	42 30				
		E(SS)	Z	46 00				
		EL	Z	49				
		MAX	Z	52			4 18	
JAN 14	08	25	17.5	5.5S 81.3W	32KM	5.3	NEAR N. PERU	WEL 97
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	WEL	L	Z	09 10 00				
		MAX	Z	14 00			3 19	
JAN 14	17	21	17.6	2.3N 126.9E	94KM	5.5	MOLUCCA PASSAGE	WEL 61
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	MNW	P	Z	17 31 15		-1.51		5.7
JAN 15	03	30	22.2	20.9S 177.8W	597KM	5.3	FIJI IS	WEL 21
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	P	Z	03 34 01		-0.84		5.6
	GNZ	P	Z	03 34 01				
	WEL	P	Z	03 34 28				
	MNW	P	Z	03 35 26				
JAN 15	KRP	P	Z	06 06 56				
JAN 15	05	59	58.5	49.9N 79.0E	0KM	6.3	KAZAKH SSR	WEL 123
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	PKP	Z	06 18 54				
	MNW	PKP	Z	06 18 55				
JAN 15	MNW	E	Z	03 35 41				
JAN 15	WEL	PKP	Z	06 18 57				
JAN 15	18	34	07.6	23.6N 121.7E	33KM	5.6	TAIWAN	WEL 81
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	CNZ	P	Z	18 46 15				
	MNW	P	Z	18 46 18		-1.51		5.6
	TUA	P	Z	18 46 20				

		GNZ	P	Z	18 46 22	-0.96					
		H M S	EPICENTRE		DEPTH	MAG					
JAN 15		20 13 27.8	18.6S	178.7W	685KM	5.3	FIJI IS				
		H M S	DIR		LOG A/T	AZ TZ	AN TN				
			H M S		U	-0.97					
		KRP	P	Z	20 17 20						
		CNZ	P	Z	20 17 29						
		WEL	P	Z	20 17 48			-0.23			
		MNW	P	Z	20 18 43			-0.78			
JAN 15		23 17 36.0	13.3S	166.3E	8KM	5.5	NEW HEBRIDES IS				
		H M S	DIR		LOG A/T	AZ TZ	AN TN				
		WEL	E(P)	Z	23 23 32		1 14				
			E(S)	N	28 06						
			L	ZE	32 00						
			MAX	Z	35 00		31 18				
		MNW	P	Z	23 24 09						
		ROX	E(S)	N	23 29 30			3 22			
			LQ	E	32 00						
			LR	N	35 00			8 20			
JAN 16		01 10 42.3	20.7S	178.7W	520KM	4.7	FIJI IS				
		H M S	DIR		LOG A/T	AZ TZ	AN TN				
		KRP	P	Z	01 14 21						
		CNZ	P	Z	01 14 34						
JAN 16		06 34 16.6	5.7S	151.3E	60KM	5.7	NEW BRITAIN				
		H M S	DIR		LOG A/T	AZ TZ	AN TN				
		MNW	P	Z	06 42 07						
JAN 16		11 32 37.4	56.6S	27.4W	101KM	6.1	S SANDWICH IS				
		H M S	DIR		LOG A/T	AZ TZ	AN TN				
		MNW	P	Z	11 44 23						
		WEL	E(P)	Z	11 44 40						
			E(S)	N	54 40						
			E(PS)	N	55 20						
			LQ	NE	12 06 00						
			LR	ZNE	10 00						
			MAX	Z	16 00		1 19				
JAN 16		12 51 28.6	25.6S	180.0W	445KM	4.9	S OF FIJI IS				
		H M S	DIR		LOG A/T	AZ TZ	AN TN				
		KRP	P	Z	12 54 27			-1.24			
		WEL	P	Z	12 54 58						
JAN 16		21 28 39.4	51.6N	170.7W	33KM	4.7	FOX IS				
		H M S	DIR		LOG A/T	AZ TZ	AN TN				
		MNW	P	Z	22 54 34						
JAN 17		08 19 44.5	15.1S	173.7W	33KM	5.4	TONGA IS				
		H M S	DIR		LOG A/T	AZ TZ	AN TN				
		KRP	P	Z	08 25 05						
		MNW	P	Z	08 26 29			-0.90			
JAN 17		09 01 07.2	16.4S	174.3W	123KM	5.3	TONGA IS				
		H M S	DIR		LOG A/T	AZ TZ	AN TN				
		KRP	EP?	Z	09 06 06						
		MNW	P	Z	09 07 31						

		H M S	EPICENTRE		DEPTH	MAG					DIST (DEG)	
JAN 17		10 43 17.5	24.5S	178.4E	568KM	5.5	S OF FIJI IS					WEL 17
		H M S	DIR		LOG A/T	AZ TZ	AN TN					AE TE MAG
		KRP	P	Z	10 46 13							U
		E		Z	48 41							
		GNZ	P	Z	10 46 15							
		E		Z	48 38							
		WEL	EP	Z	10 46 42							U
		E(*PP)		Z	48 55							
		ES		N	49 32							
		ESCS		N	57 18							
		MNW	P	Z	10 47 39							U
		ES		Z	51 09							
JAN 17		MNW	EP	Z	16 23 56							
		WEL	EL	Z	16 32 00							
JAN 17		20 57 41.3	6.8S	109.1E	242KM	6.5	JAVA					DIST (DEG)
		H M S	DIR		LOG A/T	AZ TZ	AN TN					WEL 67
		MNW	P	Z	21 07 48							AE TE MAG
		WEL	P	Z	21 08 11							5.9
		ESS		N	22 00							-0.92
		GNZ	P	Z	21 08 23							-0.21
		E		Z	11 03							6.6
JAN 18		15 57 18.9	18.3S	167.5E	33KM	4.6	NEW HEBRIDES IS					DIST (DEG)
		H M S	DIR		LOG A/T	AZ TZ	AN TN					WEL 24
		KRP	P?	Z	16 01 59							AE TE MAG
JAN 19		21 04 44.4	32.3S	178.2W	33KM	4.8	S OF KERMADEC IS					DIST (DEG)
		H M S	DIR		LOG A/T	AZ TZ	AN TN					WEL 11
		GNZ	EP	Z	21 06 26							AE TE MAG
		E		Z	07 39							
		ONE	EP	E	21 06 29							
		KRP	E	Z	21 06 40							
		E		Z	44							
		TN2	E	Z	21 06 52							
		WEL	E	Z	21 07 34							
		S		NE	09 03							
		E		Z	05							
		L		Z	10 30							3 20
		GP2	E	N	21 08 03							
		ES		N	10 10							
		ROX	EL	NE	21 13							3 18
JAN 20		01 33 12.8	32.5S	178.0W	33KM	4.9	S OF KERMADEC IS					DIST (DEG)
		H M S	DIR		LOG A/T	AZ TZ	AN TN					WEL 11
		GNZ	EP	Z	01 34 52							AE TE MAG
		E		Z	36 12							
		ONE	EP	E	01 34 57							
		KRP	E(P)	Z	01 35 02							
		E		Z	11							
		TN2	E	Z	01 35 24							
		WEL	E?	Z	01 36 03							
		ES		NE	37 30							
		E		ZNE	33							
		EL		Z	39							
		GP2	E	N	01 36 20							2 18
		E		N	34							
		ES		N	38 37							
		ROX	EL	NE	01 42							3 18

	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
JAN 20	09	18	34.9	18.4S 167.6E	10KM	5.0	NEW HEBRIDES IS
				H M S	DIR	LOG A/T	AZ TZ AN TN
	KRP	P	Z	09 23 19			
		E	Z	28			
JAN 21	02	04	43.7	15.9S 173.2W	33KM	5.1	TONGA IS
				H M S	DIR	LOG A/T	AZ TZ AN TN
	KRP	P	Z	02 09 57		-1.44	
	MNW	P	Z	02 11 30			
JAN 21	15	48	06.1	29.8S 179.4W	246KM	4.1	KERMADEC IS
				H M S	DIR	LOG A/T	AZ TZ AN TN
	GNZ	P	Z	15 49 53			
		E(S)	Z	51 29			
	KRP	P	Z	15 49 59			
	TNZ	P	Z	15 50 23			
	WEL	E(S)	N	15 52 41			
	GPZ	S	N	15 53 46			
JAN 21							
	GNZ	P	Z	16 34 13			
	KRP	P	Z	16 34 16			
	TNZ	E(P)	Z	16 34 52			
JAN 21	21	37	26.2	12.8S 169.0E	639KM	4.5	SANTA CRUZ IS
				H M S	DIR	LOG A/T	AZ TZ AN TN
	KRP	P	Z	21 42 08			
JAN 22	05	18	27.9	19.7S 176.1W	210KM	4.7	FIJI IS
				H M S	DIR	LOG A/T	AZ TZ AN TN
	KRP	P	Z	05 22 43			
	GNZ	P	Z	05 22 43		-0.74	
		S	Z	26 16			
	MNW	P	Z	05 24 12			
JAN 23	05	14	56.1	50.1S 163.0E	33KM		AUCKLAND IS
				H M S	DIR	LOG A/T	AZ TZ AN TN
	MNW	P	Z	05 16 01			
		E(S)	Z	56			
	ROX	P	Z	05 16 13			
		E(S)	N	17 22			
	GPZ	EP	N	05 16 56			
		E(S)	N	18 24			
JAN 23	08	03	39.9	16.3S 174.5W	119KM	4.8	TONGA IS
				H M S	DIR	LOG A/T	AZ TZ AN TN
	KRP	P	Z	08 08 38			
	GNZ	P	Z	08 08 38			
	MNW	P	Z	08 10 03			
JAN 23	23	24	29.6	7.4N 123.9E	627KM	5.3	PHILIPPINE IS
				H M S	DIR	LOG A/T	AZ TZ AN TN
	MNW	P	Z	23 34 17			
	KRP	P	Z	23 34 19			
		EPP	Z	37 05			
	WEL	E(S)	NE	23 44 40		5 28	

	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
JAN 24	00	11	12.1	2.4S 126.0E	6KM	6.6	CERAM SEA
				H M S	DIR	LOG A/T	AZ TZ AN TN
	MNW	P	Z	00 20 56			
	ROX	P	Z	00 21 02		-0.30	
	KRP	P	Z	00 21 04			6.9
		E	Z	25			
	WEL	P	Z	00 21 09			
JAN 24							
	MNW	E(P)	Z	00 43 00		-1.29	
JAN 24							
	MNW	E(P)	Z	00 51 11		-0.83	
	KRP	E(P)	Z	00 51 14			
JAN 24							
	MNW	E(P)	Z	00 54 37		-1.47	
	KRP	E(P)	Z	00 54 43			
JAN 24							
	MNW	E(P)	Z	00 58 29		-1.47	
JAN 24	02	31	18.6	2.7S 126.1E	23KM		CERAM SEA
				H M S	DIR	LOG A/T	AZ TZ AN TN
	MNW	P	Z	02 40 58		-1.59	5.7
JAN 24	02	41	43.0	2.2S 126.0E	29KM		CERAM SEA
				H M S	DIR	LOG A/T	AZ TZ AN TN
	MNW	EP	Z	02 51 26			
JAN 24	16	06	30.7	20.9S 179.0W	616KM	5.0	FIJI IS
				H M S	DIR	LOG A/T	AZ TZ AN TN
	KRP	P	Z	16 10 01			21
JAN 24	01	11	53.7	14.8S 171.2E	635KM	4.3	NEW HEBRIDES IS
				H M S	DIR	LOG A/T	AZ TZ AN TN
	KRP	EP	Z	01 16 16			
	GNZ	P	Z	01 16 27			
	WEL	P	Z	01 16 42			
	MNW	P	Z	01 17 21			
JAN 25							
	KRP	EP	Z	03 45 54			
JAN 25	10	33	16.4	12.9S 167.2E	205KM	4.8	SANTA CRUZ IS
				H M S	DIR	LOG A/T	AZ TZ AN TN
	KRP	EP	Z	10 38 32			
	GNZ	E(P)	Z	10 38 42			
JAN 25							
	KRP	P	Z	10 52 50			
		E	Z	53 00			
	GNZ	EP?	Z	10 53 11			
JAN 25	12	02	51.4	2.6S 126.1E	33KM	6.3	CERAM SEA
				H M S	DIR	LOG A/T	AZ TZ AN TN
	MNW	P	Z	12 12 30		-1.08	
	KRP	E(P)	Z	12 12 37			6.1
	GNZ	P	Z	12 12 43			
JAN 25	12	18	33.0	34.5N 32.8E	17KM	4.8	CYPRUS
				H M S	DIR	LOG A/T	AZ TZ AN TN
	KRP	EPKP	Z	12 38 24			149

	H M S	EPICENTRE	DEPTH	MAG		DIST
FEB 01	05 27 04.5	18.6S 178.1W	472KM	5.6	FIJI IS	WEL 92
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP EP	Z 05 31 05			-0.24		
E(S)	Z 05 34 39					
GNZ EP	Z 05 31 05			-0.08		
ES	Z 05 34 22					
WEL EP	ZNE 05 31 33.5			0.05		
E*SP	Z 05 33 52					
ES	N 05 35 20					
ESCS	NE 05 41 45				2 5 2 5	
ROX EP	Z 05 32 23					
ESCP	E 05 39 10					
FEB 01	08 31 20.7	21.4S 178.6W	510KM	5.3	FIJI IS	WEL 92
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP EP	Z 08 34 53.5			-1.07		
GNZ EP	Z 08 34 53.5			-0.64		
ES	Z 08 37 44					
WEL EP	ZNE 08 35 23					
ES	ZNE 08 38 42					
MNW EP	Z 08 36 18					
FEB 02	09 58 17.7	21.4S 178.2W	171KM	5.1	FIJI IS	WEL 92
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
GNZ EP	Z 10 02 16			-0.58		
WEL EP	ZNE 10 02 48			-0.98		3 4
ES	ZNE 10 06 33					
MNW EP	Z 10 03 52.8					
FEB 03	KRP EP	Z 14 03 47		-1.87		
E(*PP)	Z 14 04 03					
WEL EP	ZNE 14 04 19			-0.90		
E(S)	ZNE 14 08 05					
FEB 03	18 26 05.3	14.2S 172.7E	634KM		NEW HEBRIDES IS	WEL 92
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP EP	Z 18 30 32		U	-1.23		
GNZ EP	Z 18 30 38.5			-0.43		
MNW EP	Z 18 31 39			-1.26		
FEB 04	03 25 00.8	51.8S 139.7W	33KM	5.9	S OF AUSTRALIA	WEL 93
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
ROX EP	ZNE 03 29 38			-0.16	4 12 5 12 3 10	
ES	ZNE 03 33 31				13 13 102 15 60 18	
E(*PP)	Z 03 34 22				49 26	
WEL EP	ZE 03 30 34.5			-0.13	3 13	2 9
ES	ZNE 03 35 06				7 20 11 11 10 11	
ESS	ZNE 03 36 26				9 10 52 34 32 40	
ESSS	ZE 03 37 08				25 23 30 22	
ELR	ZNE 03 38 00				32 14	
KRP EP	Z 03 30 59			-1.67		
E(*PP)	Z 03 31 44					
GNZ EP	Z 03 31 07			-0.86		
FEB 04	04 33 09.5	3.9N 128.7E	41KM		N OF HALMAHERA	WEL 93
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP EP	Z 04 43 15			-1.67		

	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
FEB 04	04 53 57.7	51.1N 178.4E	40KM	5.8	ALEUTIAN IS	WEL 92
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP EP	Z 05 06 49			-1.09		6.3
FORESHOCK						
FEB 04	05 01 21.8	51.3N 178.6E	40KM	6.0	ALEUTIAN IS	WEL 92
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP EP	Z 05 14 13			-1.25		6.1
E(*PP)	Z 05 22					
E	Z 05 22 09					
GNZ EP	Z 05 14 31			-0.17		7.2
WEL EP	ZNE 05 14 42			-0.69	4 10 2 7	6.9
E*PP	ZNE 05 15 01				14 20 5 14	
E(SKS)	E 05 25 15					75 15
ROX EP	Z 05 15 12			-0.88	7 9	6.9
E(*PP)	Z 05 21 20				46 14	
ESKS	N 05 25 50					120 20
E(S)	NE 05 26 38					175 25 142 24
ELR	Z 05 49 30				454 21	8.0
DAMAGE, TSUNAMI						
FEB 04	KRP E(P)	Z 05 28 30		-1.06		
E(*PP)	Z 05 42.5					
FEB 04	05 19 17	50.1N 173.1E	35KM	5.7	ALEUTIAN IS	WEL 91
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP EP	Z 05 32 19			-1.15		6.2
FEB 04	KRP EP	Z 05 39 34		-1.25		
FEB 04	06 04 58	51.7N 174.9E	35KM	6.1	ALEUTIAN IS	WEL 93
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP EP	Z 06 17 51			-0.90		6.5
FEB 04	KRP EP	Z 06 19 58		-1.11		
FEB 04	06 16 22	52.2N 172.3E	30KM	5.4	ALEUTIAN IS	WEL 93
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP EP	Z 06 29 21			-1.67		5.7
FEB 04	06 34 17.0	52.2N 177.1E	25KM	5.4	ALEUTIAN IS	WEL 93
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP EP	Z 06 47 04.5			-1.87		5.5
FEB 04	06 37 05.4	52.6N 172.0E	35KM	5.7	ALEUTIAN IS	WEL 94
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP EP	Z 06 50 03			-1.08		6.3
FEB 04	06 39 30.1	51.7N 175.8E	30KM	5.9	ALEUTIAN IS	WEL 93
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP EP	Z 06 52 24			-0.74		6.6
FEB 04	06 52 51.7	52.2N 173.1E	33KM	5.5	ALEUTIAN IS	WEL 93
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP EP	Z 07 05 49			-1.41		6.0

	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)												
FEB 04	07	11	22.7	51.1N 177.7E	35KM	5.9	ALEUTIAN IS	WEL	93										
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG									
	KRP	EP	Z	07 24 14		-0.90													
FEB 04	07	14	58.7	52.0N 173.9E	25KM	5.8	ALEUTIAN IS	WEL	93										
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG									
	KRP	EP	Z	07 27 54.5		-1.17													
	WEL	E(P)	Z	07 28 04		-0.58													
FEB 04	07	23	12.3	51.9N 173.2E	25KM	5.5	ALEUTIAN IS	WEL	93										
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG									
	KRP	EP	Z	07 36 09		-1.10													
FEB 04	KRP	EP	Z	07 41 08		-1.67													
FEB 04	07	43	43.2	52.7N 172.9E	33KM	5.5	ALEUTIAN IS	WEL	92										
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG									
	KRP	EP	Z	07 56 41		-1.45													
FEB 04	KRP	EP	Z	08 06 09		-1.67													
FEB 04	08	04	09.4	52.1N 172.8E	30KM	5.9	ALEUTIAN IS	WEL	93										
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG									
	KRP	EP	Z	08 17 07		-1.78													
FEB 04	08	06	16.6	51.9N 174.3E	40KM	5.6	ALEUTIAN IS	WEL	93										
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG									
	KRP	EP	Z	08 19 11		-1.67													
	E*PP	Z	08 24																
FEB 04	08	10	09.6	52.1N 173.3E	30KM	5.2	ALEUTIAN IS	WEL	93										
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG									
	KRP	EP	Z	08 23 06		-1.55													
FEB 04	08	33	40.9	51.9N 174.0E	30KM	5.7	ALEUTIAN IS	WEL	93										
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG									
	KRP	EP	Z	08 46 37		-1.41													
FEB 04	08	37	14.5	51.7N 174.6E	35KM	5.1	ALEUTIAN IS	WEL	93										
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG									
	KRP	EP	Z	08 50 08		-1.67													
FEB 04	08	39	22.6	51.2N 179.3E	25KM	5.4	ALEUTIAN IS	WEL	92										
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG									
	KRP	EP	Z	08 52 16		-1.48													
FEB 04	08	40	40.9	51.3N 179.5E	40KM	6.4	ALEUTIAN IS	WEL	92										
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG									
	KRP	EP	Z	08 53 33		0.14													
	E*PP	Z	08 52.5																
	GNZ	EP	Z	08 53 45		-0.79													
	ROX	ESKS	N	09 04 46				60	22										
	ES	E		05 36															
	ELR	N		25 20					97	35									
	EMAX	N		29 30					152	24									

	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)												
FEB 04	08	54	04.3	52.0N 172.5E	30KM	5.3	ALEUTIAN IS	WEL	93										
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG									
	KRP	EP	Z	09 07 03		-1.51													
FEB 04	08	59	17.9	52.4N 173.7E	25KM	5.5	ALEUTIAN IS	WEL	93										
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG									
	KRP	EP	Z	09 12 17.5		-1.04													
FEB 04	09	00	31.5	51.9N 174.3E	35KM	5.4	ALEUTIAN IS	WEL	93										
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG									
	KRP	EP	Z	09 13 25		-1.67													
FEB 04	09	06	27	51.2N 177.4E	40KM	5.4	ALEUTIAN IS	WEL	92										
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG									
	KRP	EP	Z	09 19 19		-1.67													
FEB 04	09	11	55.5	50.9N 174.3E	35KM	5.3	ALEUTIAN IS	WEL	92										
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG									
	KRP	EP	Z	09 24 52		-1.78													
FEB 04	09	20	02.0	51.6N 176.3E	35KM	5.0	ALEUTIAN IS	WEL	93										
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG									
	KRP	EP	Z	09 32 56		-1.67													
FEB 04	09	44	29			-1.55													
FEB 04	09	35	20.3	51.8N 176.6E	30KM	5.2	ALEUTIAN IS	WEL	93										
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG									
	KRP	EP	Z	09 48 16.5		-1.04													
FEB 04	09	37	28.4	51.8N 176.3E	25KM	5.3	ALEUTIAN IS	WEL	93										
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG									
	KRP	EP	Z	09 50 25		-1.24													
FEB 04	09	42	51.6	51.8N 174.6E	15KM	5.1	ALEUTIAN IS	WEL	93										
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG									
	KRP	EP	Z	09 55 49		-1.54													
FEB 04	09	48	25.9	51.8N 175.4E	25KM	5.2	ALEUTIAN IS	WEL	93										
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG									
	KRP	EP	Z	10 01 22		-1.38													
FEB 04	09	52	02.9	51.5N 175.9E	30KM	5.6	ALEUTIAN IS	WEL	92										
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG									
	KRP	EP	Z	10 04 56.5		-1.10													
	E*PP	Z	10 05 07																
FEB 04	10	01	01.5	51.7N 174.7E	33KM	4.9	ALEUTIAN IS	WEL	93										
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG									
	KRP	EP	Z	10 13 56		-1.85													
FEB 04	KRP	EP	Z	10 25 20		-1.34													

	H	M	S	EPICENTRE	DEPTH	MAG	DIST
				H M S	DIR	LOG A/T	AZ TZ AN TN
FEB 04	10	12	25.7	51.8N 176.6E	33KM	5.1	ALEUTIAN IS
	KRP	EP	Z	10 27 24		-1.85	
FEB 04	10	26	21.1	51.3N 171.9E	15KM	4.5	ALEUTIAN IS
	KRP	EP	Z	10 39 29.5		-1.67	
FEB 04	10	30	40.8	51.8N 173.3E	30KM	4.7	ALEUTIAN IS
	KRP	EP	Z	10 43 37		-1.85	
FEB 04	10	39	32	52.2N 172.9E	33KM	5.2	ALEUTIAN IS
	KRP	EP	Z	10 52 28		-1.85	
FEB 04	10	41	33.9	51.5N 176.5E	35KM	5.1	ALEUTIAN IS
	KRP	EP	Z	10 54 28		-1.55	
FEB 04	11	00	27.6	51.5N 176.5E	40KM	5.1	ALEUTIAN IS
	KRP	EP	Z	11 13 21		-1.61	
FEB 04	11	08	46.0	51.4N 176.1E	35KM	4.8	ALEUTIAN IS
	KRP	EP	Z	11 21 39		-1.71	
FEB 04	11	15	30.8	51.6N 175.4E	20KM	4.8	ALEUTIAN IS
	KRP	EP	Z	11 28 25		-1.51	
FEB 04	11	18	42.9	51.6N 175.0E	25KM	4.7	ALEUTIAN IS
	KRP	EP	Z	11 31 38		-1.61	
FEB 04	11	27	22.0	51.5N 174.9E	20KM	5.1	ALEUTIAN IS
	KRP	EP	Z	11 40 18.5		-1.45	
		E*PP	Z	28			
FEB 04	11	48	23.9	51.2N 177.2E	40KM	4.7	ALEUTIAN IS
	KRP	EP	Z	12 01 17		-1.54	
		E*PP	Z	27.5			
FEB 04	11	58	06.9	51.6N 176.3E	40KM	5.1	ALEUTIAN IS
	KRP	EP	Z	12 11 00		-1.74	
		E*PP	Z	13			

	H	M	S	EPICENTRE	DEPTH	MAG	DIST
				H M S	DIR	LOG A/T	AZ TZ AN TN
FEB 04	12	06	04.3	52.6N 172.1E	25KM	5.8	ALEUTIAN IS
	KRP	EP	Z	12 19 05		-0.64	
		E(*PP)	Z	20.5			
	GNZ	EP	Z	12 19 10		-1.16	
	ROX	ESKS	NE	12 30 18			3 10
		ES	NE	31 10			5 14
		ESS	NE	37 50			
		ESSS	N	41 40			3 22
		E	E	42 50			3 20
		ELR	ZNE	52			12 28 13 24
		EMAX	ZN	57			15 20 17 21
	VEL	ES	E	12 30 26			5 13 6.7
		ELQ	E	45 50			4 30
		ELR	ZNE	49 40			15 30 13 30
		EMAX	ZE	56			14 22 13 20
		EMAX	N	59			13 20
FEB 04	KRP	EP	Z	12 27 32		-1.54	
FEB 04	12	42	14.4	51.6N 177.0E	25KM	4.7	ALEUTIAN IS
	KRP	EP	Z	12 55 18		-1.85	
FEB 04	12	44	13	52.0N 177.0E	33KM	4.5	ALEUTIAN IS
	KRP	EP	Z	12 57 02		-1.71	
FEB 04	12	50	57.5	51.6N 174.8E	25KM	5.2	ALEUTIAN IS
	KRP	EP	Z	13 03 54		-1.74	
		E*PP	Z	04 03			
FEB 04	13	23	42	51.4N 176.3E	33KM	4.4	ALEUTIAN IS
	KRP	EP	Z	13 36 35		-1.85	
FEB 04	13	33	12.9	51.8N 174.6E	33KM	5.1	ALEUTIAN IS
	KRP	EP	Z	13 46 08		-1.85	
FEB 04	13	45	08	50.7N 179.1E	35KM	4.1	ALEUTIAN IS
	KRP	EP?	Z	13 58 02			
		E*PP	Z	15			
FEB 04	14	13	23.9	52.1N 173.1E	25KM	5.0	ALEUTIAN IS
	KRP	EP	Z	14 26 22		-1.64	
FEB 04	14	18	27.9	53.0N 171.0E	30KM	5.7	ALEUTIAN IS
	KRP	EP	Z	14 31 29		-0.99	
	ROX	ESKS	N	14 42 40			3 16
		ES	NE	43 32			5 14 3 16 6.7
		ESP	N	44 56			6 20
		ESS	NE	50 10			6 20 3 20

		ESP	Z	12 52				1 21
		ELR	ZNE	29 30				
		EMAX	Z	33				5 25
		EMAX	NE	34				3 23 5 22
H M S	EPICENTRE		DEPTH	MAG				DIST
FEB 05	22 15 59.5	51.5N 176.7E	25KM	5.6	ALEUTIAN IS			WEL 92
		H M S	DIR	LOG A/T	AZ T2	AN TN	AE TE	
		KRP EP?	Z	22 28 53				-1.45
		E(+PP)	Z	29 03.5				
H M S	EPICENTRE		DEPTH	MAG				DIST
FEB 06	01 40 33.2	53.2N 161.9W	33KM	6.4	S OF ALASKA			WEL 92
		H M S	DIR	LOG A/T	AZ T2	AN TN	AE TE	
		KRP EP	Z	01 53 43				-0.62
		WEL EP	Z	01 54 01				1 20
		EPP	Z	57 48				
		ESKS	NE	02 04 26				3 10 2 1
		ESP	Z	06 34				1 18
		ESS	Z	12 00				3 17
		ELQ	E	20 34				16 42
		ELR	N	24				
		ELR	ZE	25				3 26 7 30 1 25
		EMAX	ZNE	27				
		ROX ESKS	N	02 05 00				
		ESP	N	07 33				
		FSS	NE	13 00				6 20
		ELQ	E	23				
		ELR	N	27				
		EMAX	NE	36				8 18 5 14
H M S	EPICENTRE		DEPTH	MAG				DIST
FEB 06	04 02 53	52.1N 175.7E	35KM	5.9	ALEUTIAN IS			WEL 92
		H M S	DIR	LOG A/T	AZ T2	AN TN	AE TE	
		KRP EP	Z	04 15 55				-1.06
		ROX ESKS	N	04 27 02				3 24
		ES	NE	52				3 22
		ESS	NE	34 30				4 28 3 22
		ELR	N	48				
		EL	E	50				
		EMAX	NE	51				7 25 3 24
		WEL EL	E	04 47				6 22 6 22
		EMAX	ZN	52				
		EMAX	E	53				
H M S	EPICENTRE		DEPTH	MAG				DIST
FEB 06	12 22 26.2	51.8N 175.3E	35KM	5.4	ALEUTIAN IS			WEL 92
		H M S	DIR	LOG A/T	AZ T2	AN TN	AE TE	
		KRP EP	Z	12 35 20				-1.24
H M S	EPICENTRE		DEPTH	MAG				DIST
FEB 06	14 11 10.1	51.7N 174.2E	38KM	6.0	ALEUTIAN IS			WEL 92
		H M S	DIR	LOG A/T	AZ T2	AN TN	AE TE	
		KRP EP	Z	14 24 09.5				-1.55
H M S	EPICENTRE		DEPTH	MAG				DIST
FEB 06	16 50 29	53.3N 161.8W	33KM	6.1	S OF ALASKA			WEL 92
		H M S	DIR	LOG A/T	AZ T2	AN TN	AE TE	
		KRP EP	Z	17 03 39				-0.97
		WEL EP	Z	17 03 57				
		EPP	Z	07 44				
		ESKS	N	14 24				3 24
		ES	N	15 13				
		EPS	N	16 29				
		E	Z	17 09				3 20
		ESS	ZNE	21 57				4 30 4 34 3 24
		E(LQ)	NE	30 30				13 50 17 44

		ELR	ZNE	34				12 28 13 34 7 26
		EMAX	ZNE	37				
		ROX EPS	N	17 17 32				3 22
		ESS	NE	23 00				6 22 3 24
		ELQ	E	32 30				9 32
		E(LR)	N	37 44				8 30
		EMAX	N	45				3 19
H M S	EPICENTRE		DEPTH	MAG				DIST (DEG)
FEB 06	18 10 28.8	51.5N 176.5E	35KM	5.3	ALEUTIAN IS			WEL 92
		H M S	DIR	LOG A/T	AZ T2	AN TN	AE TE	
		KRP EP	Z	18 23 20				-1.28
		E+PP	Z	35				6.1
H M S	EPICENTRE		DEPTH	MAG				DIST (DEG)
FEB 07	02 17 09.2	51.4N 173.4E	40KM	6.0	ALEUTIAN IS			WEL 92
		H M S	DIR	LOG A/T	AZ T2	AN TN	AE TE	
		KRP EP	Z	02 30 01				-1.22
		GNZ E(+PP)	Z	02 30 20				6.1
H M S	EPICENTRE		DEPTH	MAG				DIST (DEG)
FEB 07	04 11 19.3	51.9N 175.3E	25KM	5.5	ALEUTIAN IS			WEL 93
		H M S	DIR	LOG A/T	AZ T2	AN TN	AE TE	
		KRP EP	Z	04 24 21				-1.55
								5.8
H M S	EPICENTRE		DEPTH	MAG				DIST (DEG)
FEB 07	08 40 05.3	51.8N 174.7E	35KM	5.1	ALEUTIAN IS			WEL 93
		H M S	DIR	LOG A/T	AZ T2	AN TN	AE TE	
		KRP EP	Z	08 53 00				-1.61
		E+PP	Z	09				5.8
H M S	EPICENTRE		DEPTH	MAG				DIST (DEG)
FEB 07	09 25 51.1	51.4N 179.1E	30KM	5.3	ALEUTIAN IS			WEL 92
		H M S	DIR	LOG A/T	AZ T2	AN TN	AE TE	
		KRP EP	Z	09 38 44				-1.28
								6.1
H M S	EPICENTRE		DEPTH	MAG				DIST (DEG)
FEB 07	11 23 14.8	52.2N 172.4E	35KM	5.3	ALEUTIAN IS			WEL 93
		H M S	DIR	LOG A/T	AZ T2	AN TN	AE TE	
		KRP EP	Z	11 36 12				-1.54
								5.9
H M S	EPICENTRE		DEPTH	MAG				DIST (DEG)
FEB 07	11 45 52.8	51.2N 177.3E	33KM	5.0	ALEUTIAN IS			WEL 92
		H M S	DIR	LOG A/T	AZ T2	AN TN	AE TE	
		KRP EP	Z	11 58 45				-1.55
								5.8
H M S	EPICENTRE		DEPTH	MAG				DIST (DEG)
FEB 07	12 21 21	53.0N 171.7E	25KM	5.3	ALEUTIAN IS			WEL 94
		H M S	DIR	LOG A/T	AZ T2	AN TN	AE TE	
		KRP EP	Z	12 34 23				-1.67
		E+PP	Z	31				5.8
H M S	EPICENTRE		DEPTH	MAG				DIST (DEG)
FEB 07	14 47 11.6	51.7N 174.6E	33KM	5.1	ALEUTIAN IS			WEL 93
		H M S	DIR	LOG A/T	AZ T2	AN TN	AE TE	
		KRP EP	Z	15 00 11				-1.67
								5.7
H M S	EPICENTRE		DEPTH	MAG				DIST (DEG)
FEB 07	17 13 08.2	52.2N 173.1E	35KM	5.4	ALEUTIAN IS			WEL 93
		H M S	DIR	LOG A/T	AZ T2	AN TN	AE TE	
		KRP EP	Z	17 26 06				-1.85
								5.5
H M S	EPICENTRE		DEPTH	MAG				DIST (DEG)
FEB 08	06 30 49.0	18.6N 145.6E	116KM	5.3	MARIANA IS			WEL 65
		H M S	DIR	LOG A/T	AZ T2	AN TN	AE TE	
		KRP EP	Z	06 41 04				-1.45
		E+PP	Z	28				5.6

	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
MNW IP	Z	06	41	30.8 D		-1.17	
GNZ EP	Z	06	41	37.5		-1.23	
FEB 08	14	03	52.8	36.4N 73.0E	220KM	5.1	N W KASHMIR
KRP EPKP	Z	14	22	22			
FEB 08	15	46	49.9	55.1N 165.7E	40KM	5.6	KOMANDORSKY IS
KRP EP	Z	16	00	01		-1.41	
E(+PP)	Z			27			
FEB 08	17	37	24.6	55.2N 165.3E	30KM	5.8	KOMANDORSKY IS
KRP E(P)	Z	17	50	42		-1.85	
FEB 08	22	32	51	31.6S 178.4W	54KM		KFERMADEC IS
ONE EP	E	22	34	42			
GNZ EP	Z	22	34	42		-0.47	
ES	Z			35	58		
KRP EP	Z	22	34	48		-1.22	
E	Z			35	08		
WEL ES	ZNE	22	37	20			
FEB 09	05	42	06.8	18.8S 169.2E	223KM	5.5	NEW HEBRIDES IS
KRP EP	Z	05	46	22.5		-1.11	
GNZ EP	Z	05	46	37			
FEB 09	12	15	13	2.7S 140.4E	33KM	5.4	W NEW GUINEA
KRP EP	Z	12	23	48		-1.67	
FEB 09	15	52	53	6.7S 130.0E	91KM	5.2	BANDA SEA
KRP EP	Z	16	01	52		-1.92	
FEB 09	16	53	28.8	22.2S 170.6E	29KM	4.9	LOYALTY IS
KRP EP	Z	16	57	16		-1.67	
E(+PP)	Z			29			
FEB 09	17	00	27.4	26.1S 174.5E	491KM	4.7	S OF FIJI IS
KRP EP	Z	17	03	10		-1.45	
GNZ EP	Z	17	03	11		-1.17	
ES	Z			05	25		
WEL ES	ZNE	17	06	22			
FEB 09	18	18	21.2	51.8N 173.9E	10KM	5.1	ALEUTIAN IS
KRP EP	Z	18	31	19		-1.54	

	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
FEB 09	23	11	26.7	52.2N 173.8E	25KM	4.2	ALEUTIAN IS
KRP EP	Z	23	24	23		-1.61	
FEB 10	00	38	06.1	52.4N 173.5E	35KM	5.0	ALEUTIAN IS
KRP EP	Z	00	51	00		-1.85	
FEB 10	01	25	46.5	12.2S 167.2E	268KM	5.1	SANTA CRUZ IS
KRP EP	Z	01	30	57		-1.80	
FEB 10	02	08	32.9	52.2N 172.9E	33KM	5.4	ALEUTIAN IS
KRP EP	Z	02	21	30		-1.41	
FEB 10	06	37	58.0	14.7S 167.2E	156KM	4.6	NEW HEBRIDES IS
KRP EP	Z	06	43	00		-0.54	
CNZ EP	Z	06	43	12			
FELT AT LUGANVILLE							
FEB 10	08	12	00.1	51.4N 175.2E	35KM	5.4	ALEUTIAN IS
KRP EP	Z	08	24	50		-1.54	
FEB 11	02	33	29.3	21.8S 176.4W	174KM	5.8	FIJI IS
GNZ EP	Z	02	37	22		0.01	
ES	Z			40	16		
KRP EP	Z	02	37	24.5		0.07	
ES	Z			40	41		
WEL EP	ZNE	02	37	56.5		-0.05	
E*SP	ZN			39	11		
ES	ZNE			41	34		
ESCS	NE			49	05		
ROX EP	Z	02	38	51		-0.83	
FEB 12	00	43	17.1	51.5N 175.8E	33KM	5.4	ALEUTIAN IS
KRP EP	Z	00	56	11		-1.32	
FEB 12	00	55	06.2	52.2N 172.8E	25KM	5.5	ALEUTIAN IS
KRP EP	Z	01	08	05		-1.21	
E+PP	Z			18			
FEB 12	12	11	58.0	52.2N 171.3E	35KM	5.0	ALEUTIAN IS
KRP EP	Z	12	24	55			
FEB 14	10	28	15.5			-1.21	
ES	Z			29	06		

	H	M	S	EPICENTRE	DEPTH	MAG	DIST							
				H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE	TE	MAG	
FEB 14	17	55	42.4	72.8N 5.4E	19KM	5.1	NORWEGIAN SEA							
	KRP	EPKP	Z	18 15 16										
FEB 14	19	37	17.8	73.0N 6.5E	33KM	5.4	GREENLAND SEA							
	KRP	EPKP	Z	19 56 51										
FEB 15	01	25	08.8	51.4N 179.4E	42KM	5.8	ALEUTIAN IS							
	KRP	EP	Z	01 37 58		-1.04								
FEB 15	10	43	19.8	3.0N 125.9E	33KM	6.0	TALAUD IS							
	MNW	EP	Z	10 53 31.5		-1.02								
	KRP	EP	Z	10 53 36.5		-1.25								
		E*PP	Z	58										
	GNZ	EP	Z	10 53 47		-0.87								
FEB 16	12	24	08.8	39.5N 141.8E	33KM	5.6	HONSHU, JAPAN							
	KRP	EP	Z	12 36 40		-1.41								
FEB 17	10	18	51.3	51.8N 176.6E	44KM	5.6	ALEUTIAN IS							
	KRP	EP	Z	10 31 43		-1.11								
FEB 17	13	05	30	19.9S 178.9W	558KM	4.7	FIJI IS							
	KRP	EP	Z	13 09 24		-1.65								
FEB 18	22	22	20	28.8S 178.0W	119KM	4.5	KERMADEC IS							
	ECZ	EP	Z	22 24 55										
		ES	Z	26 01										
	GNZ	ES	Z	22 26 13										
	WEL	ES	ZNE	22 27 42										
FEB 18	22	39	45.8	7.3S 126.9E	33KM	5.8	BANDA SEA							
	KRP	EP	Z	22 49 07.5		-1.23								
	GNZ	EP	Z	22 49 24										
	WEL	ELQ	N	23 04						10	34			
		ELR	Z	06										
		EMAX	N	12							3	17		
		EMAX	ZE	13							6	19		4 20
FEB 18	23	13	36.3	51.4N 179.1E	28KM	5.4	ALEUTIAN IS							
	KRP	EP	Z	23 26 30		-1.41								
		E*PP	Z	42										
FEB 19	KRP	E(P)	Z	00 17 20		-1.31								

	H	M	S	EPICENTRE	DEPTH	MAG	DIST								
				H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE	TE	MAG		
FEB 19	10	08	41.6	12.4S 166.4E	65KM	5.0	SANTA CRUZ IS								
	ROX	EP	Z	10 15 10		-1.09								5.8	
FEB 19	18	52	42.1	51.1N 178.4E	35KM	5.6	ALEUTIAN IS								
	KRP	EP	Z	19 05 33		-1.15								6.2	
FEB 21	11	14	15.1	15.1S 173.2W	33KM	5.7	TONGA IS								
	GNZ	EP	Z	11 19 34		-0.50								5.9	
	KRP	EP	Z	11 19 36											
	WEL	EP	Z	11 20 00											
		ELR	ZNE	27											
		EMAX	ZNE	29						8	24	9	20	6	24
	MNW	EP	Z	11 21 03		-1.26								5.6	
FEB 21	17	08	07.2	13.8S 166.0E	20KM	5.2	NEW HEBRIDES IS								
	KRP	EP	Z	17 13 38		-1.45								5.1	
FEB 22	21	38	15.5	16.8S 175.7E	73KM	4.9	FIJI IS								
	KRP	EP	Z	21 42 57		-0.57								5.7	
	GNZ	EP	Z	21 43 11											
	WEL	EP	Z	21 43 30											
		E*PP	ZN	55						2	7	4	7	5.7	
		ES	ZNE	47 52						1	11	2	8	2	9
		ELR	ZNE	50										4	17
		EMAX	E	52											
		EMAX	ZN	53						7	15	7	16		
	ROX	ES	N	21 49 06										5.6	
		ELR	NE	52										3	24
		EMAX	E	54										5	16
FEB 23	07	37	11	18.3S 168.2E	33KM	4.6	NEW HEBRIDES IS								
	KRP	EP	Z	07 41 52		-1.45								4.8	
FEB 23	22	11	50.2	25.7S 70.5W	80KM	6.2	N CHILE								
	WEL	EP	ZNE	22 24 44		-0.60				11	12	3	13	3	12
		EPP	Z	28 20											
		ESKS	E	35 13										8	18
		ES	ZNE	36						14	28	39	20	37	20
		ESS	ZNE	41 44						11	29	16	38	21	34
		ESSS	ZNE	45 04						12	31	12	40	16	36
		ELQ	NE	48										44	44
		ELR	ZNE	53						86	30	45	32	65	32
	GNZ	EP	Z	22 24 47		-0.86								6.4	
		E*PP	Z	25 04											
	KRP	EP	Z	22 24 50		-0.55								6.8	
		E*PP	Z	25 09											
	ROX	EP	Z	22 24 51		-0.99								6.3	
		E*PP	Z	25 07											
		ESKS	NE	35 14										2	14
		ES	NE	40										21	18
		ESS	NE	41 55										11	35
		ELQ	NE	49										26	34
														19	32

ELR	ZNE	53	19	23	13	24	23	24
FEB 24	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)			
15 28 37	20.4S 179.1W	487KM	4.4	FIJI IS				
	H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE TF MAG
KRP EP	Z 15 32 11		-1.57					4.9
FEB 25	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)			
01 32 23.8	5.4S 152.2E	38KM	5.4	NEW BRITAIN				
	H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE TF MAG
GNZ EP	Z 01 40 10		-1.28					5.3
FEB 25	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)			
04 51 27.8	5.5S 152.0E	35KM	5.9	NEW BRITAIN				
	H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE TF MAG
GNZ EP	Z 04 59 06		-0.61					6.4
WEL EP	ZNE 04 59 11		-0.74			2	6	6.1
EPP	NE 05 00 50					3	10	6.1
ES	NE 05 20					22	30	15 27 6.4
ELR	NF 13					29	21	19 21
ROX EP	Z 04 59 36							
ES	NE 05 05 32					16	23	16 23 6.4
E(L)	NE 09 14					8	18	8 18
E(LR)	NE 12					14	26	22 23
FEB 25	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)			
10 19 11.0	5.5S 152.3E	31KM	5.7	NEW BRITAIN				
	H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE TF MAG
GNZ EP	Z 10 26 48		-1.09					5.7
MNW EP	Z 10 27 07		-1.29					5.4
FEB 25	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)			
16 04 45.7	19.2N 121.2E	13KM	5.1	PHILIPPINE IS				
	H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE TF MAG
MNW EP	Z 16 16 41		-1.19					6.1
FEB 25	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)			
16 49 20.2	26.2S 179.7E	517KM	3.8	S OF FIJI IS				
	H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE TF MAG
GNZ EP	Z 16 52 05		-0.76					5.2
ES	Z 54 16							
WEL EP	Z 16 52 37		-1.33					5.2
ES	ZNE 55 16							
MNW EP	Z 16 53 37		-1.39					5.1
FEB 25	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)			
19 23 33.0	11.4S 166.1E	86KM	5.7	SANTA CRUZ IS				
	H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE TF MAG
GNZ EP	Z 19 29 28		-1.10					5.3
E(*PP)	Z 59.5							
WEL EP	ZNE 19 29 39		-0.66					6.1
ES	E 34 42							
E(L)	NE 37					3	25	3 23
ELR	NE 40					7	20	4 19
MNW EP	Z 19 30 11		-0.92					6.1
FEB 26	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)			
08 55 42.2	6.7S 102.7E	33KM	6.1	S W OF SUMATRA				
	H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE TF MAG
MNW EP	Z 09 06 41		-1.66					5.3
CNZ EP	Z 09 07 07							
WEL ELQ	N 09 25 35					6	25	
ELR	ZNE 32							
EMAX	ZNE 36					6	20	3 13 4 17

H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)				
FEB 27 02 01 36.3	25.1N 128.2E	33KM	5.2	RYUKYU IS				
	H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE TF MAG
CNZ EP	Z 02 13 31							
GNZ EP	Z 02 13 37		-1.23					5.9
FEB 27 20 22 24.3	4.1N 152.7W	118KM	4.9	NEW BRITAIN				
	H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE TF MAG
MNW EP	Z 20 30 17		-1.48					5.6
FEB 28 12 20 09	24.0S 179.0W	529KM	4.8	S OF FIJI IS				
	H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE TF MAG
GNZ EP	12 23 18		-1.21					
ES	25 52							
CNZ E(P)	12 23 25							
ES	26 03							
WEL EP	12 23 45		-1.22					5.3
ES	26 44							
FEB 28 23 42 21.9	25.3S 179.6E	485KM	4.8	S OF FIJI IS				
	H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE TF MAG
GNZ EP	Z 23 45 17		-1.23					
ES	Z 47 37							
CNZ EP	Z 23 45 28							
ES	Z 47 54							
MAR 01 07 20 55.3	5.5S 152.1E	35KM	5.7	NEW BRITAIN				
	H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE TF MAG
CNZ EP	Z 07 28 27							
GNZ EP	Z 07 28 35		-0.79					6.0
WEL EP	Z 07 28 40					1	10	5.7
EPP	Z 30 28					1	14	5.5
ES	ZE 34 49					1	10	3 11 6.0
ESS	ZNE 38 08					3	18	2 7 4 16
ELR	Z 40 40					3	17	
ELR	NE 42							
MNW EP	Z 07 28 49		-1.29					5.4
MAR 01 07 46 57.5	5.2S 152.1E	33KM	5.7	NEW BRITAIN				
	H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE TF MAG
CNZ EP	Z 07 54 28							
GNZ EP	Z 07 54 37		-1.28					5.5
MNW EP	Z 07 54 51		-1.56					5.2
MAR 01 08 18 56.4	21.1N 121.2E	42KM	5.2	TAIWAN				
	H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE TF MAG
CNZ EP	Z 08 30 56							
GNZ EP	Z 08 31 02		-1.23					5.4
MAR 01 09 08 45.0	5.4S 152.0E	29KM	5.6	NEW BRITAIN				
	H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE TF MAG
CNZ EP	Z 09 16 24							
GNZ EP	Z 09 16 25		-0.96					5.8
WEL ES	Z 09 22 38					2	24	
ELR	Z 30					3	20	

H M S	EPICENTRE	DEPTH	MAG	DIST
MAR 01 13 20 56.7	21.2N 121.2E	42KM	5.5 TAIWAN	WEL
	H M S	DIR	LOG A/T AZ TZ AN TN	AE TE
CNZ EP	Z 13 32 56			
GNZ EP	Z 13 33 01		-0.96	
MAR 01 20 03 09.8	12.3S 166.7E	190KM	4.8 SANTA CRUZ IS	WEL
	H M S	DIR	LOG A/T AZ TZ AN TN	AE TE
GNZ EP	Z 20 08 45		-1.10	
CNZ EP	Z 20 08 46			
MAR 01 21 52 04.4	23.5S 179.0E	541KM	5.2 S OF FIJI IS	WEL
	H M S	DIR	LOG A/T AZ TZ AN TN	AE TE
GNZ EP	Z 21 55 14			
E(S)	Z 57 44			
ES	Z 51			
CNZ EP	Z 21 55 24			
ES	Z 58 07			
WEL EP	ZNE 21 55 42.5		-0.46	
ES	ZNE 58 40			
MNW EP	Z 21 56 38		-0.51	
ES	Z 22 00 19			
MAR 02 04 40 13.1	27.1S 177.6W	33KM	4.8 KERMADEC IS	WEL
	H M S	DIR	LOG A/T AZ TZ AN TN	AE TE
GNZ E(S)	Z 04 45 05			
MAR 02 05 57 36.8	27.3S 177.5W	33KM	5.2 KERMADEC IS	WEL
	H M S	DIR	LOG A/T AZ TZ AN TN	AE TE
ONE EP	E 06 00 17			
GNZ ES	Z 06 02 31			
WEL ELR	ZNE 06 04		27 22 15 23	9 21
MAR 02 06 27 20.7	27.3S 177.8W	46KM	4.5 KERMADEC IS	WEL
	H M S	DIR	LOG A/T AZ TZ AN TN	AE TE
ONE EP	E 06 30 04			
MAR 02 06 34 48	61.0S 154.8E	33KM	BALLERY IS	WEL
	H M S	DIR	LOG A/T AZ TZ AN TN	AE TE
MNW EP	Z 06 38 49		-0.62	
ROX EP	Z 06 38 57		-0.98	
E(S)	NE 42 24			11 20 7 25
WEL ELR	Z 06 45 35			9 24
MAR 02 07 25 05.3	27.4S 177.7W	68KM	4.5 KERMADEC IS	WEL
	H M S	DIR	LOG A/T AZ TZ AN TN	AE TE
ONE E(P)	E 07 27 59			
MAR 02 09 19 41.6	27.2S 177.7W	68KM	4.5 KERMADEC IS	WEL
	H M S	DIR	LOG A/T AZ TZ AN TN	AE TE
ONE EP	E 09 22 19			
CNZ EP	Z 09 23 03			
GNZ ES	Z 09 24 44			
WEL EL	Z 09 27 27		47 24	28 23
ELR	N 28 07			20 21
ROX ELQ	E 09 29			
ELR	ZN 30		13 18 20 25	

H M S	EPICENTRE	DEPTH	MAG	DIST
MAR 02 10 23 33	26.9S 177.7W	33KM	4.7 S OF FIJI IS	WEL
	H M S	DIR	LOG A/T AZ TZ AN TN	AE TE
GNZ ES	Z 10 28 34			
MAR 02 14 23 08.6	27.3S 177.7W	34KM	5.1 KERMADEC IS	WEL
	H M S	DIR	LOG A/T AZ TZ AN TN	AE TE
ONE EP	E 14 25 50			
MAR 02 14 32 08.9	27.4S 177.6W	9KM	4.9 KERMADEC IS	WEL
	H M S	DIR	LOG A/T AZ TZ AN TN	AE TE
ONE EP	E 14 34 55			
MAR 02 15 18 53.2	30.5S 138.4E	33KM	5.1 S OF AUSTRALIA	WEL
	H M S	DIR	LOG A/T AZ TZ AN TN	AE TE
GNZ EP	Z 15 25 34		-0.94	5.9
MAR 02 16 34 26.9	27.0S 177.7W	70KM	4.9 KERMADEC IS	WEL
	H M S	DIR	LOG A/T AZ TZ AN TN	AE TE
ONE EP	E 16 37 10			
CNZ E(P)	Z 16 37 58			
GNZ E(S)	Z 16 39 30			
WEL ELR	ZN 16 43 00			15 25 6 20
MAR 02 19 29 17	27.5S 177.5W	33KM	4.6 KERMADEC IS	WEL
	H M S	DIR	LOG A/T AZ TZ AN TN	AE TE
ONE EP	E 19 32 01			
CNZ EP	Z 19 32 34			
GNZ E(S)	Z 19 34 21			
MAR 02 19 51 01.0	27.2S 177.9W	33KM	5.1 KERMADEC IS	WEL
	H M S	DIR	LOG A/T AZ TZ AN TN	AE TE
ONE EP	E 19 53 48			
MAR 02 23 30 42.8	26.7S 178.0W	109KM	4.9 S OF FIJI IS	WEL
	H M S	DIR	LOG A/T AZ TZ AN TN	AE TE
ONE EP	E 23 33 17			
MAR 02 23 33 39	27.0S 177.7W	33KM	5.2 KERMADEC IS	WEL
	H M S	DIR	LOG A/T AZ TZ AN TN	AE TE
ONE EP	E 23 36 20			
MAR 03 03 17 04.1	27.2S 177.6W	33KM	5.4 KERMADEC IS	WEL
	H M S	DIR	LOG A/T AZ TZ AN TN	AE TE
ONE EP	E 03 19 45.5			
GNZ ES?	Z 03 21 59			
WEL ELQ	E 03 24			21 19
ELR	ZN 25			32 24 24 22
MAR 03 03 26 43.9	6.0S 128.3E	340KM	5.3 BANDA SEA	WEL
	H M S	DIR	LOG A/T AZ TZ AN TN	AE TE
GNZ EP	Z 03 35 45		-0.80	5.7

	H	M	S	EPICENTRE	DEPTH	MAG	DIST						
				H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE	TE	MAG
MAR 03	05	52	57.4	27.2S 177.6W	33KM	4.7	KERMADEC IS						
				H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE	TE	MAG
	CNZ	EP	Z	05 56 17.5									
	GNZ	ES	Z	05 58 00									
MAR 03	11	36	28.3	27.2S 177.6W	33KM	5.0	KERMADEC IS						
	ONE	EP	E	11 39 10									
	KRP	EP	ZE	11 39 26		-0.41							
	CNZ	EP	Z	11 39 41									
	GNZ	ES	Z	11 41 19									
	MNW	EP	Z	11 41 21									
	WEL	ELR	ZNE	11 44			21 22	14 20		11 22			
MAR 03	14	39	05.0	27.0S 177.8W	43KM	5.6	KERMADEC IS						
	ONE	EP	E	14 41 45									
	KRP	EP	ZE	14 42 03		-0.62							
	CNZ	EP	Z	14 42 18									
	GNZ	ES	Z	14 44 07									
	MNW	EP	Z	14 44 17									
	WEL	ELR	ZNE	14 46			19 20	16 20		13 19			
MAR 03	15	14	09.7	5.5S 151.9E	44KM	6.0	NEW BRITAIN						
	KRP	EP	ZE	15 21 35		-0.77							
	ES	Z	15 27 34										
	CNZ	EP	Z	15 21 42									
	GNZ	EP	Z	15 21 51		-0.49							
	WEL	EP	Z	15 21 57		-0.49							
	EPP	Z	22 06				7 17						
	ES	ZNE	27 56				22 23	49 32		21 31			
	ESS	ZNE	31 02				39 24	44 36		29 22			
	ELR	ZNE	34										
	EMAX	ZNE	36				144 20	76 21		34 21			
	ROX	EP	Z	15 22 03		-1.25							
	ES	NE	28 18				35 26	32 24					
	ESS	NE	32 00				10 17	13 17					
	ELR	ZNE	35										
	EMAX	ZNE	38				82 19	76 19		70 20			
MAR 03	16	47	25.7	53.1N 171.2E	23KM	5.6	ALEUTIAN IS						
	KRP	EP	Z	17 00 28		-0.75							
MAR 03	19	55	16.7	27.1S 177.7W	33KM	5.1	KERMADEC IS						
	ONE	EP	E	19 57 57									
	KRP	EP	ZE	19 58 16		-0.84							
MAR 03	21	12	16.5	27.2S 177.7W	33KM	5.0	KERMADEC IS						
	ONE	EP	E	21 14 59									
MAR 04	01	48	54.1	5.4S 147.0E	191KM	6.4	E OF NEW GUINEA						
	KRP	IP	ZE	01 56 25.1 U		-0.10							
	EPP	Z	57 15										

DISTANT EARTHQUAKES

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	H	M	S	EPICENTRE	DEPTH	MAG	DIST						
				H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE	TE	MAG
	WEL	IP	ZNE	01 56 39.3 U		-0.35							6.2
	GNZ	IP	Z	01 56 39.5 U		0.27							6.8
	MNW	IP	Z	01 56 44.8 U		-0.40							6.1
MAR 05	10	03	34.2	5.1S 134.4E	33KM	5.9	ARU IS						
	MNW	EP	Z	10 12 25		-0.92							6.1
	ROX	EP	Z	10 12 30		-0.50							6.5
MAR 05				WEL E(P)	ZNE	14 08 23							-0.96
				E(S)	ZNE	11 35							
MAR 05	17	08	51.8	29.1S 177.3W	21KM	4.5	KERMADEC IS						
	GNZ	EP	Z	17 13 11		-0.93							
MAR 05	17	59	13.5	52.3N 174.2E	35KM	5.7	ALEUTIAN IS						
	KRP	EP	Z	18 12 10.8		-0.96							6.4
MAR 05	19	36	43	27.5S 177.0W	33KM	5.3	KERMADEC IS						
	ONE	EP	E	19 39 31									
	KRP	EP	Z	19 39 46		-0.66							
	CNZ	EP	Z	19 40 03									
	WEL	ELR	ZNE	19 44									
				EMAX	ZNE	45							
	MNW	EP	Z	19 41 54		-1.47				27 24	11 19	17 22	4.8
MAR 05	21	00	14.8	27.2S 177.7W	33KM	4.4	KERMADEC IS						
	KRP	EP	Z	21 03 10		-1.02							
MAR 05	23	29	23.2	53.0N 171.1E	45KM	5.4	ALEUTIAN IS						
	KRP	EP	Z	23 42 24		-0.96							6.5
MAR 06	04	06	48.5	26.7S 177.3W	24KM	5.3	S OF FIJI IS						
	KRP	EP	ZE	04 09 47		-0.21							
	CNZ	EP	Z	04 10 11									
	WEL	EP?	Z	04 10 39		-1.11							5.0
	ES	ZNE	13 05										
	ELQ	E	14 05										10 18
	ELR	ZN	20										
	EMAX	ZN	15										14 22 10 21
MAR 06	05	09	07.3	3.0S 138.8E	88KM	5.1	W OF NEW GUINEA						
	KRP	EP	Z	05 17 45		-1.31							5.8
MAR 06	09	49	06.8	27.0S 177.6W	33KM	4.5	KERMADEC IS						
	ONE	EP	E	09 51 49									
	KRP	EP	Z	09 52 04									
	CNZ	EP	Z	09 52 29									

		ES	Z	02 12					
MAR 11	WEL EP	Z	14 20 03					-0.96	
		H M S	EPICENTRE	DEPTH	MAG				
MAR 11	17 07 06		54.7S 0.7E	33KM	5.4	BOUVET IS			
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE		
	CNZ EP?	Z	17 19 43						
	E(P)	Z	17 19 52						
	WEL E(P)	Z	17 19 43					-1.33	
	GNZ EP	Z	17 19 58					-1.16	
MAR 12	GNZ EP	Z	03 48 07					-1.21	
	ES	Z	03 49 37						
	CNZ ES	Z	03 49 59						
		H M S	EPICENTRE	DEPTH	MAG				
MAR 12	08 42 28.2		56.0S 27.5W	33KM	5.9	S SANDWICH IS			
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE		
	CNZ EP	Z	08 54 50						
		H M S	EPICENTRE	DEPTH	MAG				
MAR 12	11 13 53.1		19.1S 176.6E	33KM	4.8	S OF FIJI IS			
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE		
	WFL EP	Z	11 19 00					-1.22	
		H M S	EPICENTRE	DEPTH	MAG				
MAR 12	17 31 02.2		26.8S 176.5W	48KM	4.7	S OF FIJI IS			
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE		
	WEL EP	Z	17 34 49					-1.28	
	ES	ZNE	37 28						
	ELQ	ZNE	38						
	ELR	Z	39						
	EMAX	ZE	41					3 20	
		H M S	EPICENTRE	DEPTH	MAG				
MAR 13	08 55 34.7		26.8S 176.3W	31KM	5.3	S OF FIJI IS			
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE		
	CNZ EP	Z	08 59 08						
	WEL ES	NE	09 02 06						
	ELR	ZNE	03					5 17	4 20
		H M S	EPICENTRE	DEPTH	MAG				
MAR 13	13 54 33.0		20.4S 177.6W	470KM	5.7	FIJI IS			
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE		
	GNZ EP	Z	13 58 22					-0.64	
	ES	Z	14 01 20						
	CNZ EP	Z	13 58 30						
	ES	Z	14 10 44						
	WFL EP	ZNE	13 58 50					-0.85	
	ES	ZNE	14 02 12						
	MNW EP	Z	13 59 46					-0.91	
		H M S	EPICENTRE	DEPTH	MAG				
MAR 14	15 53 06.6		36.3N 70.7E	219KM	6.6	HINDU KUSH			
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE		
	WEL EP	Z	16 08 08					3 24	
	E(+PP)	Z	09 04					3 22	
	EPKP	ZNE	11 37					6 11	
	EPP	ZE	13 12					18 11	
	E+PPP	ZNE	14 06					26 20	7 28
	ESS	NE	29 30					36 25	80 34
	ESSS	ZNE	34					31 21	81 31
	ROX EPKP	Z	16 11 34						10 24
	EPP	ZE	12 58						13 19
	E(SKKS)	E	19 40						54 22
	ESSS	NE	33						

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CNZ EPKP	Z	16 11 34.5							
EPP	Z	13 06							
E(PKPP)	Z	21 37							
	H M S	EPICENTRE	DEPTH	MAG				DIST (DEG)	
MAR 15	14 02 42.1		6.5S 153.2E	38KM	5.4	NEW BRITAIN			40
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG	
	CNZ EP	Z	14 10 01.5						
	GNZ EP	Z	14 10 07					-0.96	5.8
		H M S	EPICENTRE	DEPTH	MAG				DIST (DEG)
MAR 16	10 39 40.5		23.7S 179.8E	580KM	5.5	S OF FIJI IS			18
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG	
	GNZ EP	Z	10 42 44					-0.80	
	ES	Z	45 20						
	CNZ EP	Z	10 42 54						
	ES	Z	45 40						
	WEL EP	Z	10 43 14.5					-0.83	5.6
	ES	Z	46 10						
	MNW EP	Z	10 44 11					-1.30	5.2
	ES	Z	47 55						
		H M S	EPICENTRE	DEPTH	MAG				DIST (DEG)
MAR 16	16 46 15.5		40.8N 142.9E	34KM	5.6	JAPAN			87
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG	
	CNZ EP	Z	16 58 38						
	WEL E(PP)	Z	17 02 50					3 8	6.8
	ESKS	Z	09 32					5 24	
	ESS	Z	15 25					3 20	
	ELR	ZNE	26						
	EMAX	ZNE	32					18 21	17 26
		H M S	EPICENTRE	DEPTH	MAG				DIST (DEG)
MAR 18	04 22 10.3		19.9S 175.9W	219KM	5.5	FIJI IS			23
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG	
	GNZ EP	Z	06 26 20					-0.56	5.8
	F	Z	22.5						
	ES	Z	29 39						
	F	Z	45						
	KRP EP	ZE	06 26 22					0.49	6.9
	ES	ZE	29 56						
	WEL EP	Z	06 26 55					0.25	6.8
	ES	Z	30 41					4 12	15 8
	ROX EP	Z	06 27 50					-0.75	6.2
	ES	NE	32 10					5 16	3 10
	ELQ	NE	34						5.4
	EMAX	NE	36					8 17	14 20
	ESCS	E	38 10						8 11
		H M S	EPICENTRE	DEPTH	MAG				DIST (DEG)
MAR 18	12 40 49.3		55.8S 26.7W	92KM	5.7	S SANDWICH IS			82
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG	
	KRP EP	Z	12 53 13						
		H M S	EPICENTRE	DEPTH	MAG				DIST (DEG)
MAR 18	16 15 56.1		17.7S 178.9W	507KM	5.1	FIJI IS			24
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG	
	KRP EP	ZE	16 20 05					-0.66	5.8
	GNZ EP	Z	16 20 07					-0.63	5.9
	ES	Z	23 26						
	WEL EP	Z	16 20 33					-1.03	5.4
	MNW EP	Z	16 21 27					-1.13	5.4
	E	Z	22 58						

H M S		EPICENTRE	DEPTH	MAG	DIST (DEG)			
H M S		DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG	
MAR 18	18 09 31,1	40.2S 149.6E	33KM	5.0	SE OF AUSTRALIA			
MNW	EP	Z	18 12 53	-1.48				
MAR 19	16 20 51,3	2.0S 119.8E	46KM	5.0	CELEBES IS			
MNW	EP	Z	16 30 59	-1.17				
KRP	EP	ZE	16 31 11	-0.66				
WEL	EP	Z	16 31 13	-0.96				
	ES	ZN	39 45		2 28			
	FL	ZN	47					
	FMAX	N	51			13 34		
	EMAX	ZE	59		16 19		6 19	
GNZ	EP	Z	16 31 26,5	-1.16				
ROX	ES	E	16 39 50				4 30	
	EL	N	46 40			6 22		
MAR 19	17 37 18,6	19.7S 178.7W	617KM	5.5	FIJI IS			
GNZ	EP	Z	17 41 02	-0.61				
	ES	Z	44 00					
KRP	EP	Z	17 41 02,5	-0.67				
WEL	EP	Z	17 41 31	-0.43				
	ES	ZNE	44 51					
MNW	EP	Z	17 42 26	-0.53				
MAR 19	22 56 34,9	0.0N 123.4E	173KM	5.6	N CELEBES IS			
MNW	EP	Z	23 08 25	-0.96				
	E+PP	Z	09 02					
KRP	EP	ZF	23 08 33	-1.52				
	E+PP	Z	09 10					
WEL	EP	ZNE	23 08 38	-0.83				
	E+PP	Z	09 15					
GNZ	EP	Z	23 08 46	-0.47				
MAR 19	23 32 56	20.1S 176.4W	219KM	4.6	FIJI IS			
GNZ	EP	Z	23 37 06	-0.57				
	ES	Z	40 20					
KRP	EP	ZE	23 37 08	-1.47				
	ES	E	40 26					
WEL	ES	ZNE	23 41 34					
MAR 21	11 08 16,2	1.5S 126.5E	33KM	6.2	MOLUCCA SEA			
ROX	EP	ZE	11 18 05	-0.82				
	ES	NE	26 10		5 17	9 22		
	E(L)	N	32 12		10 16			
	ELR	NE	36					
	EMAX	NE	38		13 24	23 32		
KRP	EP	ZE	11 18 06	-0.57				
	E+PP	Z	19					
WEL	EP	Z	11 18 15	-0.69	6 11			
	E+PP	Z	25					
	ES	ZNE	26 22		4 13	5 17	4 12	
	EL	N	33 06		11 29			
	ELR	Z	37					
	EMAX	ZNE	41		32 25	14 24	8 24	
GNZ	EP	Z	11 18 21	-0.26				

H M S		EPICENTRE	DEPTH	MAG	DIST (DEG)			
H M S		DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG	
MAR 21	12 25 12,4	1.4S 126.5E	111KM	5.2	MOLUCCA SEA			
MNW	EP	Z	12 34 48	-1.56				
KRP	EP	Z	12 34 55	-1.37				5.6
GNZ	EP	Z	12 35 08	-1.23				5.8
								5.9
MAR 22	02 44 47,5	15.3S 173.4W	51KM	5.9	TONGA IS			
KRP	EP	ZE	02 50 04	-0.60				28
GNZ	EP	Z	02 50 04	-0.46				5.8
	ES	Z	54 32					5.9
WEL	EP	Z	02 50 33	-0.65				5.9
	ES	N	55 04		5 23			5.5
	ELQ	E	57					
	ELR	ZN	58					
	EMAX	ZNE	03 00		86 25	58 20	58 24	
ROX	EP	Z	02 51 24	-0.92				5.9
	ES	N	56 54				4 30	5.6
	EL	NE	59					
	ELR	Z	03 02					
	EMAX	ZNE	03		89 20	60 22	36 22	
MAR 22	03 05 33,3	23.8S 66.7E	176KM	5.5	ARGENTINA			
KRP	EP	Z	03 18 38	-1.42				87
								5.6
MAR 22	09 53 28,1	1.5S 126.3E	33KM	5.0	MOLUCCA SEA			
MNW	EP	Z	10 03 13					
KRP	EP	Z	10 03 19	-1.19				6.0
CNZ	EP	Z	10 03 23					
MAR 22	13 48 05	14.4S 173.0W	33KM	4.6	SAMOA IS			
GNZ	EP	Z	13 53 19	-1.23				29
KRP	E(P)	Z	13 53 21	-1.72				5.2
								4.7
MAR 22	22 56 26,5	31.9S 71.5W	46KM	6.0	CHILE			
CNZ	EP	ZE	23 09 04					
KRP	EP	ZE	23 09 06	-0.49				6.8
	E+PP	Z	20					
	E(SKS)	E	19 43					
	E(SCS)	E	20 10					
WEL	EP	Z	23 09 14		5 5			6.9
	E(SKS)	ZNE	19 20		1 17	3 14	6 20	
	ELR	ZE	35		6 30		5 28	
ROX	E(SKS)	E	23 19 32					
	ELR	NE	35					
	EMAX	NE	37				3 22	6 21
MAR 23	18 16 08,4	15.2S 173.5W	75KM	5.4	TONGA IS			
KRP	EP	ZE	18 21 24	-1.30				28
MNW	EP	Z	18 22 50	-1.34				5.1
WEL	EL	ZN	18 29		7 28	4 20		5.6

	H	M	S	EPICENTRE	DEPTH	MAG	DIST						
MAR 23	19	27	17.4	15.4S 173.2W	50KM	4.9	TONGA IS						
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE				
KRP EP	Z	19	32 36			-1.26							
CNZ EP	Z	19	32 44										
MNW EP	Z	19	34 01			-1.34							
MAR 23	23	54	14.7	15.2S 173.5W	130KM	5.7	TONGA IS						
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE				
KRP EP	Z	23	59 22			-0.66							
GNZ EP	Z	23	59 23			-0.31							
WFL EP	Z	23	59 50				4 17						
ELR	ZNE	24	07										
EMAX	ZNE	09					36 20	29 20	18 22				
ROX EP	ZN	24	00 45						3 18				
E(LQ)	E	09											
E(LR)	N	10											
ELR	Z	11											
EMAX	ZNE	12					32 21	33 22	14 20				
MAR 24	07	59	39.0	16.3S 167.9E	189KM	5.6	NEW HEBRIDES IS						
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE				
KRP IP	ZE	08	04 25.1	U		-0.43							
ESCP	Z	11	33										
GNZ EP	Z	08	04 37			-0.36							
ES	Z	08	42										
WEL EP	ZNE	08	04 52			-0.51							
ES	N	09	09										
ROX EP	Z	08	05 24			-0.34							
MAR 24	10	07	43	20.1S 174.1W	33KM	5.1	TONGA IS						
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE				
GNZ EP	Z	10	12 12			-1.09							
KRP EP	ZE	10	12 13			-1.25							
WEL EP	Z	10	12 47			-1.05							
MNW EP	Z	10	13 52			-1.39							
MAR 24	17	31	10.4	21.9S 169.9E	41KM	6.6	LOYALTY IS						
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE				
KRP EP	Z	17	35 13			-1.61							
WEL EP	Z	17	35 39			-1.13							
MAR 24	19	34	42	8.8S 121.4E	154KM	4.9	FLORES IS						
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE				
MNW EP	Z	19	43 02.5			-1.46							
KRP EP	ZE	19	44 11			-1.26							
WEL EP	Z	19	44 13			-0.78							
GNZ EP	Z	19	44 25			-1.16							
MAR 24	22	42	09.6	8.4N 126.6E	51KM	5.8	HINDANAO						
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE				
KRP EP	ZE	22	52 46			-1.10							
MNW EP	Z	22	52 48			-0.99							
CNZ EP	Z	22	52 51										
WEL ELR	Z	23	15							3 26			
MAR 25	07	17	21.4	14.3S 167.4E	205KM	5.8	NEW HEBRIDES IS						
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE				
KRP EP	ZE	07	22 28			-1.51							

DISTANT EARTHQUAKES

	H	M	S	EPICENTRE	DEPTH	MAG	DIST						
MAR 25	08	53	13.6	52.3N 172.6E	31KM	5.3	ALEUTIAN IS						
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE				
KRP EP	Z	09	06 10			-1.51							
E+PP	Z		21										
MAR 25	09	49	17	19.9S 176.0W	206KM		FIJI IS						
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE				
KRP EP	ZE	09	53 29.5			-1.53							
GNZ EP	Z	09	53 30			-1.09							
MAR 25	18	32	50.5	7.4S 153.9E	96KM	5.6	NEW BRITAIN						
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE				
KRP EP	Z	18	39 47			-1.42							
GNZ EP	Z	18	40 01			-1.23							
MAR 25	23	36	29.8	15.1S 173.4W	33KM	4.7	TONGA IS						
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE				
GNZ EP	Z	23	41 48			-1.23							
MNW EP	Z	23	43 13										
MAR 26	00	20	56.3	20.0S 178.1W	567KM	5.8	FIJI IS						
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE				
KRP IP	ZE	00	24 42.1	U		-0.25							
ES	E	27	43										
CNZ EP	Z	00	24 50										
ES	Z	27	58										
WEL EP	Z	00	25 10			-0.45							6.1
ES	NE	28	30										
MNW IP	Z	00	26 07.1	U		-0.42							6.1
MAR 26	02	10	08										
ONE EP	E	02	10 08										
GNZ EP	Z	02	10 14.5			-0.52							
ES	Z	11	33										
KRP EP	ZE	02	10 17			-0.80							
WEL ES	ZNE	02	12 51										
GP2 ES	N	02	13 49										
MAR 26	16	12	36.9	22.2S 175.0W	33KM	5.2	TONGA IS						
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE				
GNZ EP	Z	16	16 39			-1.16							
ES	Z	19	28										
MNW EP	Z	16	18 21			-1.43							5.1
MAR 26	21	34	03.4	52.0N 171.4E	30KM	5.1	ALEUTIAN IS						
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE				
KRP EP	Z	21	46 59			-1.51							
MAR 27	14	46	54	32.9S 178.5W	33KM		S OF KERMADEC IS						
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE				
GNZ EP	Z	14	48 27			-0.59							
ES	Z		49 41										
ONE EP	E	14	48 35										
KRP EP	ZE	14	48 37			-1.09							
MNW EP	Z	14	50 47										
WEL ES	NE	14	50 58										

H	M	S	EPICENTRE	DEPTH	MAG	DIST	LOG A/T	AZ	TZ	AN	TN	AE	TE	MAG
MAR 27	23	56	57,3	2,6S 126,2E	33KM	6,2	CERAM SEA							
MNW	EP	Z	24 06 36											-1,21
MAR 28	00	03	50,0	2,6S 126,0E	33KM	5,0	CERAM SEA							
MNW	EP	Z	00 13 30											-1,39
MAR 28	16	33	15,7	32,4S 71,3E	72KM	6,4	CENTRAL CHILE							
GNZ	EP	Z	16 45 43											-0,38
WEL	EP	ZNE	16 45 43	DSE	0,08		60 18	14 18	16 16					
	EPP	ZNE	48 56				20 15	11 14	14 16					
	ES	ZNE	56 02				56 22	89 27	116 19					
	E(SS)	ZNE	17 01				30 30	17 20	48 30					
	EL	ZNE	08				55 42	184 48	114 44					
	ELR	ZNF	12				386 33	241 34	326 32					
ROX	EP	ZNE	16 45 45		0,13		23 11	7 13	15 16					
	E*PP	Z	46 06											
	EPP	ZNE	48 32				18 14	9 22	11 18					
	ES	ZNE	56 00				15 15	48 22	81 20					
	ESS	NE	17 01											
	EL	NE	08											
	ELR	ZNE	12				215 25	130 26	247 26					
KRP	EP	ZE	16 45 52		0,50									
	ES	ZE	56 08											
	EPKPP	Z	17 03 49											
	EPKPPK	Z	11 50											
	E(SKPPK)Z		15 04											
MAR 29	00	05	36,3	14,7N 146,6E	61KM	5,2	MARIANA IS							
KRP	EP	Z	00 15 30											-1,48
CNZ	EP	Z	00 15 37											
MAR 29	00	36	00	20,8S 173,6W	33KM	4,6	TONGA IS							
KRP	EP	Z	00 40 30											-1,61
MAR 29	07	26	07	20,6S 175,9W	200KM		TONGA IS							
KRP	EP	Z	07 30 15											-1,71
GNZ	EP	Z	07 30 18											-1,23
MAR 29	10	47	37,6	40,8N 142,8E	33KM	6,1	JAPAN							
KRP	EP	Z	11 00 07											-0,84
	E*PP	ZE	10 17											
	ES	E	29											
CNZ	EP	Z	11 00 11											
	E*PP	Z	22											
WEL	EP	Z	11 00 26											
	ESKS	ZNE	10 35											
	ESS	ZNE	16 32											
	ELQ	E	24											
	ELR	ZNE	28											
	EMAX	ZNE	33											
ROX	EP	Z	11 00 33											-0,85

	E*PP	Z	43											
	ESKS	NE	11 02											
	ESS	N	17 08											3 25
	ELR	ZNE	30											
	EMAX	ZNE	33											10 24 6 24 9 23
MAR 29	14	32	41,2	52,2N 175,4E	34KM	5,0	ALEUTIAN IS							
KRP	EP	Z	14 45 36											-1,39
MAR 29	23	57	33,5	28,7S 176,4W	228KM	5,2	KERMADEC IS							
ONE	EP	E	23 59 47											
	ES	E	24 01 35											
GNZ	EP	Z	23 59 50											-0,17
	E(S)	Z	24 01 36											
KRP	EP	Z	23 59 57											-0,73
WEL	EP	ZNE	24 00 34											-0,36
	ES	ZNE	02 59											
MNW	EP	Z	24 01 48											-1,18
	ES	Z	05 26											5,2
MAR 30	00	21	00,2	20,0S 173,9W	33KM	5,5	TONGA IS							
GNZ	EP	Z	00 25 28											
	ES	Z	28 58											
KRP	EP	ZE	00 25 30,5											-0,96
	E	E	29 30											
WEL	EP	ZNE	00 26 03											-0,55
	ES	ZNE	30 13											
	ELR	ZNE	32											
MNW	EP	Z	00 27 05											-1,08
MAR 30	02	27	07,2	50,6N 177,9E	51KM		ALEUTIAN IS							
KRP	IP	ZE	02 39 52,0											0,46
	ESKS	E	50 40											
GNZ	EP	Z	02 39 56											-0,74
WEL	EP	ZNE	02 40 10											-0,12
	ESKS	ZNE	50 37											
	ESP	ZNE	52 14											
	ESS	NE	57 00											
	E(L)	E	03 04											
	ELR	ZNE	08											
ROX	EP	ZNE	02 40 32											
	ESKS	N	51 06											
	ES	Z	50											
	ESP	N	53 11											
	EL	Z	03 06											
	ELR	ZNE	11											
	MAGNITUDE ESTIMATES FROM 6 3/4 TO 7 3/4													
MAR 30	KRP	EP	Z	03 38 38										-0,59
MAR 30	15	59	34,1	41,0N 142,7E	32KM	5,7	JAPAN							
KRP	EP	Z	16 12 12											-1,17
MAR 30	22	08	51	21,0S 173,6W	33KM	4,8	TONGA IS							
KRP	EP	Z	22 13 25											-1,55

	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
MAR 31	09 47 30,7	38.6N 22.4E	78KM	6.3	GREECE	
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	ROX E(DKP)	Z 10 07 14			4 8	
	EPKP2	Z 37				
	ESS	N 30 52			8 16	
	WEL EPKP	Z 10 07 19			5 13	
	EPKP2	Z 57			5 14	
	FPP	Z 11 35			3 15	
	F	Z 17 50			3 11	
	ELR	Z 11 06				
	E MAX	Z 25			20 22	
	KRP EPKP	Z 10 07 20				
	EPKP	Z 34				
	EPKP2	ZE 56				
	E(SKP)	ZE 11 39				
	GNZ E(DKP)	Z 10 07 24				
MAR 31	10 46 08,6	50.3N 178.2E	30KM	5.6	ALEUTIAN IS	
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP EP	Z 10 58 56			-0.86	
MAR 31	18 52 46	21.4S 174.3E	33KM		NEW HEBRIDES IS	
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP EP	Z 18 56 37			-1.39	
	GNZ FP	Z 18 56 52			-1.04	
MAR 31	22 32 31,0	50.4N 177.5E	30KM	5.4	ALEUTIAN IS	
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP EP	Z 22 45 26			-1.31	
APR 01	07 08 38,3	9.9N 125.8E	91KM	6.4	MINDANAO	
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP P	Z 07 19 21,0				
APR 01	08 34 53	20.2S 173.4W	33KM	4.8	TONGA IS	
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP P	Z 08 39 21				
APR 01	13 43 32,6	20.6S 173.6W	46KM	5.1	TONGA IS	
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP P	Z 13 48 05				
APR 01	21 20 43,8	50.0S 114.1W	33KM	5.3	EASTER IS	
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	WEL E(P)	Z 21 29 27,0				
	ES	ZNF 36 36,0				
	KRP P	Z 21 20 39,0			-1.37	
	ROX S	NE 21 36 50,0			5 15 7 15	
APR 02	04 59 46,0	26.0S 179.9E	445KM	4.0	FIJI IS	
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP EP	Z 05 02 35,0				
APR 02	13 04 01,8	12.5N 123.5E	33KM	5.6	PHILIPPINE IS	
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP P	Z 13 15 12,0				

	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
APR 02	15 44 01,0	27.1S 179.2W	382KM	4.7	KERMADEC IS	
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP P	Z 15 46 40,0			0,15	
	S	E 48 53,0				
	WEL EP?	Z 15 46 53,0				
	ES	NE 49 48,0				
	ROX E(P)	Z 15 48 10,0				
	MNW P	Z 15 48 18,0				
APR 02	16 43 05,8	14.8S 167.3E	123KM	4.1	NEW HEBRIDES IS	
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP P	Z 16 48 12,0				
	ROX P	Z 16 49 08,0				
	MNW P	Z 16 49 11,0				
APR 02	21 51 04,0	5.0S 150.7E	33KM	5.1	NEW BRITAIN	
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP P	Z 21 58 37,0				
APR 03	08 39 40,8	26.8S 176.4W	109KM	4.9	FIJI IS	
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP EP	Z 08 42 52,0				
APR 03	18 31 40,0	26.5S 176.3W	33KM	4.7	FIJI IS	
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP P	Z 18 35 04,0				
APR 04	11 13 18,9	16.9S 173.4W	61KM	4.6	TONGA IS	
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP P	Z 11 18 12,0				
APR 04	13 30 37,8	51.9N 175.2E	40KM	5.7	ALEUTIAN IS	
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP P	Z 13 43 31,0			U	
APR 04	15 36 11,9	26.9S 176.1W	33KM	5.6	FIJI IS	
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP P	Z 15 39 17,0				
	E	Z 35,0				
	WEL P	Z 15 39 57,0			-0,96	5.1
	S	NE 42 40,0				
	MNW P	Z 15 41 12,0				
APR 04	15 52 47,7	26.9S 176.1W	29KM	5.0	FIJI IS	
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP E(P)	Z 15 56 01,0				
	WEL P	Z 15 56 09,0				
	S	NE 59 16,0				
APR 04	16 10 08,3	27.1S 176.0W	28KM	4.9	KERMADEC IS	
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP E(P)	Z 16 13 10,0				
	WEL P	Z 16 13 52,0				
	S	NE 16 35,0				
	MNW P	Z 16 15 11,0				

	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
				H M S	DIR	LOG A/T	AZ TZ AN TN AE TE MAG
APR 04	16	32	41.9	26.9S 176.0W	12KM	5.2	FIJI IS WEL 64
	KRP	E(P)	Z	16 35 43.0			
	WEL	P	Z	16 36 29.0			
		S	NE	39 14.0			
	MNW	E(P)	Z	16 37 50.0			
APR 05	03	12	54.2	37.7N 21.8E	34KM	5.7	GREECE WEL 119
	MNW	EPKP	Z	03 32 50.5			
	ROX	E(PKP)	Z	03 33 02.0			
	KRP	PKP	Z	03 33 28.0			
APR 05	06	21	34.2	3.2S 148.4E	10KM	5.0	BISMARCK SEA WEL 48
	KRP	P	Z	06 29 32.0			
	GNZ	P	Z	06 29 49.0			
	WEL	EP	Z	06 29 50.0			
		ES	ZNE	36 28.0			
	MNW	E(P)	Z	06 30 05.0			
	ROX	ES	Z	06 36 48.0			
APR 05							
	KRP	P	Z	07 45 09.0			
	WEL	P	Z	07 45 22.0			
APR 05							
	KRP	P	Z	11 10 12.0	U		
	WEL	E(S)	Z	11 13 18.0			
APR 05	13	52	13.4	44.6N 151.1E	81KM	5.7	KURILE IS WEL 81
	KRP	P	Z	14 04 44.0			
	WEL	E(P)	Z	14 05 15.0			
APR 05	14	33	39.0	26.7S 176.3W	45KM	4.6	FIJI IS WEL 14
	KRP	E(P)	Z	14 36 53.0			
	WEL	E(P)	Z	14 37 22.0		-1.06	
		ES	ZNE	40 06.0			
	MNW	E(P)	Z	14 38 46.0			
APR 05	22	42	47.2	20.2S 173.9W	102KM	4.6	TONGA IS WEL 23
	KRP	EP	Z	22 47 11.0			
APR 06	03	19	01.7	52.2N 173.3E	30KM	5.1	ALEUTIAN IS WEL 83
	KRP	EP	Z	03 31 58.0			
APR 06	04	19	16.3	27.2S 176.4E	47KM	4.9	KERMADEC IS WEL 14
	KRP	P	Z	04 22 34.0			
APR 06	05	31	59.7	36.1N 139.6E	69KM	5.7	JAPAN WEL 83
	KRP	EP	Z	05 44 09.0			

	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
				H M S	DIR	LOG A/T	AZ TZ AN TN AE TE MAG
APR 04	09	42	28.2	0.5S 119.9E	33KM	5.3	CELEBES IS WEL 64
	MNW	E(P)	Z	09 52 44.0			
		E	Z	54 20.0			
	KRP	P	Z	09 52 55.0			
	WEL	EP	Z	09 53 04.0			
		E(S)	NE	10 01 37.0			
	ROX	E(S)	Z	10 01 17.0			
APR 04	12	02	17.0	21.0S 178.7W	554KM	4.7	FIJI IS WEL 21
	KRP	P	Z	12 05 52.0	U		
APR 04	13	19	02.2	51.3N 179.8W	46KM	5.2	ALEUTIAN IS WEL 92
	KRP	P	Z	13 31 52.0			
APR 04	13	30	45.1	50.2N 178.3E	40KM	5.1	ALEUTIAN IS WEL 91
	KRP	EP	Z	13 43 30.0			
APR 04	17	26	46.7	27.1S 176.3W	38KM	4.3	KERMADEC IS WEL 16
	KRP	E(P)	Z	17 29 51.0			
APR 04							
	KRP	P	Z	20 28 00.0			
APR 07	00	43	47.0	24.7S 179.4E	449KM	4.0	FIJI IS WEL 17
	KRP	P	Z	00 46 54.0			
APR 07	08	12	28.0	16.7S 178.2W	407KM	4.4	FIJI IS WEL 25
	KRP	P	Z	08 16 42.0	U		
	WEL	E(P)	Z	08 17 10.0			
	MNW	P	Z	08 18 08.0			
APR 07	17	48	59.7	21.0S 178.8W	568KM	5.5	FIJI IS WEL 21
	KRP	P	Z	17 52 34.0	U		
	MNW	P	Z	17 53 58.0			
APR 08	12	46	29.0	22.6S 179.8E	455KM	4.5	FIJI IS WEL 19
	KRP	P	Z	12 49 48.0			
		E	Z	54.0			
	WEL	E	Z	12 50 28.0			
	MNW	EP?	Z	12 51 13.0			
		E	Z	19.0			
APR 08	12	51	27.8	17.6S 178.7W	575KM	5.2	FIJI IS WEL 24
	KRP	P	Z	12 55 31.0	D		
	WEL	P	Z	12 55 59.8	D	0.05	6.6
		E(S)	NE	59 33.0			
	ROX	P	Z	12 56 46.0		-0.65	5.8

	H	M	S	EPICENTRE	DEPTH	MAG		DIST (DEG)	
APR 14	13	57	42.4	1.6S 126.6E	33KM	5.3	MOLOCCA SEA	WEL 22	
				H M S DIR	LOG A/T	AZ TZ	AN TN	AE TE MAG	
	MNW	P	Z	14 07 25.0					
	KRP	P	Z	14 07 31.0					
APR 14	ECZ	EP	Z	16 42 46.0					
		E	Z	43 50.0					
	KRP	P	Z	16 43 04.0					
APR 14	17	41	44.0	20.4S 177.8E	458KM	4.3	FIJI IS	WEL 27	
				H M S DIR	LOG A/T	AZ TZ	AN TN	AE TE MAG	
	KRP	P	Z	17 45 31.0					
	MNW	EP	Z	17 46 58.0					
APR 14	22	02	38.9	5.4S 154.1E	166KM	5.0	SOLOMON IS	WEL 39	
				H M S DIR	LOG A/T	AZ TZ	AN TN	AE TE MAG	
	KRP	P	Z	22 09 39.7	U				
	WEL	P	Z	22 10 00.0		-0.92			
APR 14	22	53	00.2	15.4S 167.5E	126KM	4.9	NEW HEBRIDES IS	WEL 27	
				H M S DIR	LOG A/T	AZ TZ	AN TN	AE TE MAG	
	KRP	P	Z	22 58 01.0	U				
	WEL	EP	Z	22 58 28.0					
	MNW	EP	Z	22 59 01.0					
APR 15	04	33	32.0	23.7S 179.6W	460KM	4.6	FIJI IS	WEL 19	
				H M S DIR	LOG A/T	AZ TZ	AN TN	AE TE MAG	
	KRP	P	Z	04 36 46.0					
	WEL	P	Z	04 37 16.0		-0.68			
	MNW	EP	Z	04 38 13.0					
X	APR 15	05	04	51.1	24.9N 122.6E	190KM	5.4	TAIWAN	WEL 27
				H M S DIR	LOG A/T	AZ TZ	AN TN	AE TE MAG	
	MNW	(P)	Z	05 21 48.0		-1.86			
	KRP	E?	Z	05 22 13.0					
APR 15	22	09	52.0	50.2S 113.4E	33KM	5.1	INDIAN PISE	WEL 47	
				H M S DIR	LOG A/T	AZ TZ	AN TN	AE TE MAG	
	MNW	E(P)	Z	22 16 41.0		-1.77			
	KRP	E(P)	Z	22 18 07.0					
	GNZ	E(P)	Z	22 18 20.0		-1.16			
	RDX	ES	Z	22 22 43.0					
APR 15	23	34	55.0	17.6S 173.4W	45KM	4.8	TONGA IS	WEL 24	
				H M S DIR	LOG A/T	AZ TZ	AN TN	AE TE MAG	
	GNZ	P	Z	23 44 50.0		-0.79			
	KRP	EP	Z	23 44 51.0					
	F		Z	53.0 D					
	S		Z	49 00.0					
	MNW	EP	Z	23 46 26.0		-1.29			
APR 16	00	15	52.3	22.3S 175.5W	120KM	4.8	TONGA IS	WEL 27	
				H M S DIR	LOG A/T	AZ TZ	AN TN	AE TE MAG	
	KRP	EP	Z	00 19 48.0					
	GNZ	P	Z	00 19 48.0		-1.28			
	MNW	P	Z	00 21 27.0		-1.08			

	H	M	S	EPICENTRE	DEPTH	MAG		DIST (DEG)
APR 16	09	59	06.2	20.1S 169.2E	62KM	5.0	NEW HEBRIDES IS	WEL 22
				H M S DIR	LOG A/T	AZ TZ	AN TN	AE TE MAG
	KRP	P	Z	10 03 21.0	U			
	GNZ	P	Z	10 03 36.0		-1.01		5.2
APR 16	10	55	41.1	6.3S 154.7E	127KM	5.8	SOLOMON IS	WEL 39
				H M S DIR	LOG A/T	AZ TZ	AN TN	AE TE MAG
	KRP	P	Z	11 02 36.0				
	GNZ	P	Z	11 02 51.0		-0.98		5.8
APR 16	23	22	18.6	64.7N 160.1W	5KM	5.8	ALASKA	WEL 107
				H M S DIR	LOG A/T	AZ TZ	AN TN	AE TE MAG
	KRP	E(P)	Z	23 36 28.0		-1.91		6.1
	E		Z	39.0				
	WEL	E(PS)	Z	23 50 28.0				
		E(SS)	Z	55 04.0				
	ELR		Z	24 12 20.0				
	RDX	PS	N	23 51 21.0				
		ESS	N	57 32.0				
		FSSS	N	24 01 26.0				
		LQ	E	11 18.0				
		ELR	N	14 40.0				
APR 17	00	00	29.7	52.6N 173.1E	43KM	5.1	ALEUTIAN IS	WEL 94
				H M S DIR	LOG A/T	AZ TZ	AN TN	AE TE MAG
	KRP	EP	Z	00 13 26.0				
		E		39				
APR 17	15	51	55.7	14.5S 173.1W	33KM	4.6	SAMOA IS	WEL 29
				H M S DIR	LOG A/T	AZ TZ	AN TN	AE TE MAG
	KRP	E(P)	Z	15 57 39.0				
APR 18	02	34	29.0	24.1S 179.7E	466KM	4.5	FIJI IS	WEL 18
				H M S DIR	LOG A/T	AZ TZ	AN TN	AE TE MAG
	KRP	EP	Z	02 37 23.0				
	GNZ	E(P)	Z	02 37 24.0				
		E(S)	Z	39 42.0				
APR 18	03	23	28.0					
APR 18	04	00	52.0					
APR 18	04	00	54.0					
APR 18	04	26	43.0	21.9S 179.7W	598KM	3.9	FIJI IS	WEL 20
				H M S DIR	LOG A/T	AZ TZ	AN TN	AE TE MAG
	KRP	P	Z	04 30 05.0				
APR 18	08	06	39.5	4.7S 151.7E	142KM	5.2	NEW BRITAIN	WEL 47
				H M S DIR	LOG A/T	AZ TZ	AN TN	AE TE MAG
	KRP	P	Z	08 13 59.0	U			
	(PP)		Z	15 42.0				
	GNZ	EP	Z	08 14 12.5		-0.64		6.0
	WEL	E(P)	Z	08 14 17.0		-0.65		6.0
APR 18	08	13	18.0					
APR 18	08	13	19.0					

H	M	S	EPICENTRE	DEPTH	MAG													
			H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE	TE	MAG						
APR 18	09	39	18.7	59.8S 26.8W	29KM	5.9							SANDWICH IS					
	ROX	EP	Z	09 50 55.0														
	WEL	P	Z	09 51 15.0	U	-0.98												
		EPP	Z	54 08.0														
		EPPP	Z	56 37.0														
		E(S)	NE	10 01 10.0							3 45							
		ESS	ZN	06 10.0														
		ESSS	Z	09 35.0														
		FLQ	E	12 00.0														
		FLR	Z	15 50.0														
		MAX	ZN	21 00.0				7 20	6 21									
	GNZ	E(P)	Z	09 51 26.0														
	KRP	P	Z	09 51 30.0														
APR 18	12	41	54.0	59.7S 26.4W	25KM	5.8							SANDWICH IS					
	ROX	EP	Z	12 53 31.0		-0.60												
	WEL	P	Z	12 53 52.0	U						1 17							
		LR	Z	13 18 22.0														
		MAX	ZN	23 00.0				6 20	4 21									
	GNZ	EP	Z	12 54 02.0														
	KRP	P	Z	12 54 08.0	U													
APR 18	14	08	01.4	26.9S 176.1W	33KM	5.2							FIJI IS					
	GNZ	EP	Z	14 10 56.0														
		ES	Z	13 10.0														
	KRP	EP	Z	14 11 03.0														
		F	Z	28.0														
	WEL	S	ZN	14 14 30.0														
APR 18	GNZ	E(P)	Z	16 13 00.0														
		E(S)	Z	14 13.0														
	KRP	EP	Z	16 13 08.0														
	WEL	ES	ZE	16 15 36.0														
APR 18	19	27	05.2	59.8S 26.5W	35KM	5.3							SANDWICH IS					
	KRP	P	Z	19 39 17.0														
APR 19	ECZ	P	Z	01 26 31.0														
		E(S)	Z	27 47.0														
	GNZ	EP	Z	01 26 38.0		-0.36												
		FS	Z	28 01.0														
	KRP	EP	Z	01 26 40.0														
		S	E	28 09.0														
	WFL	EP	Z	01 27 14.0														
		S	ZNE	29 07.0														
APR 19	04	39	55.0	30.8S 178.1W	33KM	4.7							KERMADEC IS					
	GNZ	E(P)	Z	04 41 55.0														
		E(S)	Z	43 40.0														
	KRP	EP	Z	04 42 16.0														
	WFL	S	ZNE	04 44 55.0														
APR 19	08	06	00.0	1.8N 98.5E	55KM	5.5							SUMATRA					
	MNW	E(P)	Z	08 18 03.0														

H	M	S	EPICENTRE	DEPTH	MAG													
			H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE	TE	MAG						
	KRP	EP	Z	08 18 12.0														
APR 19	17	01	10.5	13.5S 170.3E	647KM	4.9							NEW HEBRIDES IS					
	KRP	P	Z	17 05 46.0														
	GNZ	EP	Z	17 05 54.0														
	WEL	P	Z	17 06 12.0		-0.98												5.5
	ROX	EP	Z	17 06 45.0														
	MNW	P	Z	17 06 49.0														
APR 19	18	18	59.9	17.5S 179.0W	502KM	4.1							FIJI IS					
	KRP	P	Z	18 23 08.0	U													
	GNZ	EP	Z	18 23 09.0														
	MNW	P	Z	18 24 30.0														
APR 19	23	41	58.8	34.9N 138.0E	36KM	5.6							JAPAN					
	KRP	EP	Z	23 54 08.0	D													
	ROX	E(P)	Z	23 54 31.0														
APR 20	02	51	58.7	17.6S 168.0E	26KM								NEW HEBRIDES IS					
	KRP	P	Z	02 56 47.0														
APR 20	06	43	08.8	52.4N 172.0E	35KM	5.5							ALEUTIAN IS					
	KRP	P	Z	06 56 06.0														
APR 20	GNZ	E(P)	Z	14 35 07.0														
		E(S)	Z	36 24.0														
	KRP	P	Z	14 35 17.0														
		E	Z	42.0														
	MNW	EP	Z	14 37 30.0														
	WEL	S	ZNE	14 37 45.0														
		EL	Z	40 00.0														
APR 20	KRP	P	Z	15 38 10.0														
	MNW	P	Z	15 39 34.0														
		E	Z	40 26.0														
APR 20	17	15	19.4	14.8N 146.9E	60KM	5.8							MARIANA IS					
	KRP	P	Z	17 25 14.0														
	GNZ	E	Z	17 28 14.0														
APR 21	05	58	19.3	20.4S 174.7W	33KM	4.5							TONGA IS					
	KRP	EP	Z	06 02 41.0														
	MNW	P	Z	06 04 17.0														
APR 21	08	24	13.0	20.9S 174.6W	33KM	4.8							TONGA IS					
	KRP	EP	Z	08 28 31.0														
	GNZ	EP	Z	08 28 33.0														
	MNW	EP	Z	08 30 08.0		-1.60												5.0

	H M S	EPICENTRE	DEPTH	MAG		DIST
		H M S DIR			LOG A/T AZ TZ AN TN	WEL AE TE
APR 21	10 30 39.5	20.4S 174.6W	33KM	4.6	TONGA IS	
	GNZ EP	Z 10 35 01.0				
	MNW EP	Z 10 36 40.0		-1.64		
APR 22	01 05 50.2	14.3S 167.3E	204KM	5.3	NEW HEBRIDES IS	
	KRP E(P)	Z 01 11 01.0				
	E	Z 31.0				
APR 22	18 36 01.2	51.8N 176.1E	37KM	5.1	ALEUTIAN IS	
	KRP EP	Z 18 49 01.0				
	GNZ E(P)	Z 18 49 36.0				
APR 24	08 02 26.3	19.2N 121.2E	43KM	5.0	PHILIPPINE IS	
	KRP EP	Z 08 14 14.0				
	MNW P	Z 08 14 18.0		-1.04		
	ROX P	Z 08 14 22.0		-1.27		
	GNZ EP	Z 08 14 24.5		-1.28		
APR 24	13 43 44.5	20.4S 173.8W	33KM	4.7	TONGA IS	
	GNZ EP	Z 13 48 12.0				
	KRP P	Z 13 48 14.0				
	MNW P	Z 13 49 53.5		-1.56		
APR 24	14 28 02.9	19.4S 168.7E	37KM	4.8	NEW HEBRIDES IS	
	KRP P	Z 14 32 30.0				
	GNZ EP	Z 14 32 44.0		-1.16		
APR 24	21 55 26.5	11.4N 140.1E	59KM	5.7	WEST CAROLINE IS	
	KRP P	Z 22 05 24.0				
	GNZ P	Z 22 05 36.0		-1.06		
	MNW P	Z 22 05 42.0		-1.60		
	WFL E(SP)	Z 22 14 42.0				
	SS	E 18 14.0				
	LP	Z 25 14.0				
	MAX	Z 30 00.0			4 19	
APR 25	01 00 11.6	24.5N 142.7E	15KM	5.6	VOLCANO IS	
	KRP P	Z 01 11 19.0				
	GNZ EP	Z 01 11 33.0				
	MNW EP	Z 01 11 49.0				
	ROX EP	Z 01 11 51.0				
APR 25	06 52 43.1	5.4S 151.8E	49KM	5.4	NEW BRITAIN	
	MNW P?	Z 07 00 18.0		-1.96		

	H M S	EPICENTRE	DEPTH	MAG		DIST
		H M S DIR			LOG A/T AZ TZ AN TN	WEL AE TE MAG
APR 25	14 05 55.4	27.3N 141.5E	53KM	5.2	BONIN IS	
	KRP P	Z 14 17 17.0				
APR 26	09 47 25.1	1.7S 126.6E	15KM	5.7	MOLUCCA SEA	
	MNW P	Z 09 57 10.0				
	KRP EP	Z 09 57 19.0		-1.13		6.0
	GNZ P	Z 09 57 30.0		-1.28		5.9
APR 26	22 15 42.5	21.1N 120.7E	33KM	5.9	TAIWAN	
	TNZ P	Z 22 27 43.0				
	MNW EP	Z 22 27 46.0				
	(PCP)	Z 58.0				
	ROX P	Z 22 27 49.0		-0.82		6.3
	(PCP)	Z 28 01.0				
APR 26	22 27 11.0	30.9S 177.4W	33KM	4.7	KERMADEC IS	
	TNZ E(P)	Z 22 30 09.0				
	GNZ ES	Z 22 30 49.0				
	ROX EP	Z 22 31 19.0				
	MNW EP	Z 22 31 27.0				
	WEL S	NE 22 32 07.0				
APR 27	10 54 28.0	7.0S 129.5E	67KM	5.9	BANDA SEA	
	MNW P	Z 11 03 23.0				
	E(*PP)	Z 35.0				
	(PCP)	Z 04 35.0				
	(SCP)	Z 08 19.0				
	WEL EP?	Z 11 03 35.0				
	TNZ E(P)	Z 11 03 38.0				
	ROX (SCP)	E 11 08 22.0				
	E(SSS)	N 15 32.0				
APR 27	14 09 07.1	35.7N 23.5E	50KM	5.5	CRETE	
	MNW P	Z 14 28 56.0				
				-1.39		
APR 27	14 47 35.0	24.1S 179.5W	405KM	4.3	FIJI IS	
	GNZ EP	Z 14 50 47.0				
	E(S)	Z 53 22.0				
	TNZ P	Z 14 51 02.0				
	WEL P	Z 14 51 17.0				
	ES	NE 54 13.0				
	MNW E(P)	Z 14 52 15.0				
				-0.82		5.5
APR 28	10 26 44.0	27.1S 176.5W	33KM	5.4	KERMADEC IS	
	GNZ E(P)	Z 10 29 37.0				
	ES	Z 31 49.0				
	KRP E(P)	Z 10 29 42.0				
	WEL F	Z 10 30 32				
	S	NE 33 05				

	H M S	EPICENTRE	DEPTH	MAG	DIST
MAY 06	09 52 23.4	15.5S 167.6E	97KM	4.4	NEW HEBRIDES IS
		H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP EP	ZE 09 57 27.4		-1.17		
GNZ EP	Z 09 57 40		-0.99		
MAY 06	14 24 04.3	6.1S 149.1W	74KM	4.0	NEW BRITAIN
GNZ EP	Z 14 31 46.5		-0.94		
MAY 07	15 43 23.0	32.5S 178.2W	33KM	4.7	S OF KERMADEC IS
GNZ EP	E 15 45 01		-0.61		
KRP EP	ZE 15 45 10		-1.15		
ROX EP	Z 15 47 12				
MNW EP	Z 15 47 23		-1.29		
WEL ES	ZNE 15 47 37				
MAY 07	16 32 30.6	32.4S 178.3E	33KM	5.1	S OF KERMADEC IS
GNZ EP	Z 16 34 13.5		-0.09		
KRP EP	ZE 16 34 19		-0.72		
ROX EP	Z 16 36 16		-1.43		
MNW EP	Z 16 36 22		-1.21		
WEL ES	ZNE 16 36 45				
MAY 07	16 52 11.9	32.5S 178.2W	33KM	4.6	S OF KERMADEC IS
GNZ EP	Z 16 53 49		-0.31		
KRP EP	ZE 16 54 00		-1.08		
MNW EP	Z 16 56 12		-1.43		
WEL ES	ZNE 16 56 26.5				
MAY 08	03 05 38.5	18.4N 120.4E	56KM	5.6	LUZON
KRP EP	Z 03 17 26		-1.31		
GNZ EP	Z 03 17 36		-0.86		
MAY 08	11 32 57.1	28.0S 70.8W	35KM	5.4	CHILE
KRP EP	Z 12 45 54		-1.07		

	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
MAY 09	23 51 22.6	23.4S 179.8W	555KM	5.0	S OF FIJI IS
KRP EP	ZE 23 54 32.0		-1.00		
GNZ EP	Z 23 54 35		-1.07		
WEL EP	ZNE 23 55 03		-0.73		
MNW EP	Z 23 55 59		-1.00		
MAY 12	06 45 12	18.4S 178.0W	534KM	4.0	FIJI IS
KRP EP	ZE 06 49 12		-1.33		
GNZ EP	Z 06 49 13.5		-1.16		
WEL EP	Z 06 49 40		-1.11		
MAY 12	08 05 57.2	3.5S 137.9E	78KM	5.5	W OF NEW GUINEA
KRP EP	Z 08 14 35		-1.37		
MAY 12	10 33 43.5	6.2S 130.3E	125KM	5.7	BANDA SEA
ROX EP	Z 10 42 37		-0.93		
ESCP	Z 47 34				
EL	NE 55				
KRP EP	ZE 10 42 40		-0.89		
E+PP	Z 43 12				
ESCP	Z 47 34				
WEL EP	Z 10 42 46		-0.60		
E+PP	Z 43 18				
EL	ZNE 54				
ELR	ZNE 58				
EMAX	N 11 00				
EMAX	ZE 08				
GNZ EP	Z 10 42 55		-0.78		
E	Z 43 36				
MAY 12	17 12 37.3	26.2S 178.4E	560KM	5.0	S OF FIJI IS
KRP EP	Z 17 15 15		-1.73		
ES	E 17 38				
GNZ EP	Z 17 15 17		-1.08		
ES	Z 17 31				
WEL EP	Z 17 15 47		-1.11		
ES	ZNE 18 23				
MNW EP	Z 17 16		-1.34		
MAY 14	01 48 42.4	27.6S 177.1W	77KM	4.5	KERMADEC IS
WEL ES	NE 01 54 47				
MAY 14	02 27 00.2	19.0S 169.5E	259KM	4.6	NEW HEBRIDES IS
GNZ EP	Z 02 31 24		-1.28		
MNW EP	Z 03 08 07		-0.82		
MAY 14	23 28 13.7	20.7S 177.7W	467KM	5.3	FIJI IS
KRP EP	ZE 23 31 58		-0.92		

		GNZ EP	Z	23 32 02	-1.28					
		ES	Z	35 04						
		H M S	EPICENTRE		DEPTH	MAG				
MAY 15		23 33 12.4	16.1S	174.7W	253KM	4.8	TONGA IS			
			H M S	DIR	LOG A/T	AZ TZ	AN TN			
		GNZ EP	Z	23 38 01	-1.09					
		KRP EP	ZE	23 38 01.5	-1.08					
		WEL EP	ZN	23 38 29	-1.33					
		H M S	EPICENTRE		DEPTH	MAG				
MAY 15		23 58 34.4	4.1S	135.1E	33KM	5.8	W NEW GUINEA			
			H M S	DIR	LOG A/T	AZ TZ	AN TN			
		KRP EP	ZE	24 07 28	-0.47					
		ROX EP	Z	24 07 36						
		ELR	NE	21		7 26	7 28			
		WEL EP	ZNE	24 07 38	-1.20					
		E*PP	Z	54						
		ELQ	NE	20						
		ELR	Z	23						
		EMAX	ZNE	27		12 20	14 16	11 18		
		GNZ EP	Z	24 07 46	-1.23					
		H M S	EPICENTRE		DEPTH	MAG				
MAY 16		11 35 46.0	5.3N	125.7E	36KM	6.2	PHILIPPINE IS			
			H M S	DIR	LOG A/T	AZ TZ	AN TN			
		KRP EP	ZE	11 46 13	-1.33					
		ROX EP	Z	11 46 17						
		WEL EP	Z	11 46 24	-0.90					
		GNZ EP	Z	11 46 26	-1.34					
		E*PP	Z	38						
		H M S	EPICENTRE		DEPTH	MAG				
MAY 17		17 19 25.9	22.5N	121.3E	21KM	6.2	TAIWAN			
			H M S	DIR	LOG A/T	AZ TZ	AN TN			
		KRP EP	ZE	17 31 32	-1.12					
		ROX EP	Z	17 31 37.5	-0.53					
		ES	NE	41 42		5 14	8 17			
		ELR	NE	56		14 32	13 31			
		WEL EP	Z	17 31 38		4 16				
		ES	NE	41 38			8 16			
		E(PPS)	Z	43 08		7 36				
		ESS	ZNE	46 40		6 32	6 22	14 38		
		EL	ZNE	53			25 37	15 34		
		EMAX	NE	54						
		GNZ EP	Z	17 31 40.5	-0.53					
		ES	Z	41 42						
		H M S	EPICENTRE		DEPTH	MAG				
MAY 17		18 05 45.4	21.1S	175.2W	75KM	4.9	TONGA IS			
			H M S	DIR	LOG A/T	AZ TZ	AN TN			
		GNZ EP	Z	18 09 59	-1.10					
		KRP EP	Z	18 10 01						
		MNW EP	Z	18 11 33	-1.39					
		H M S	EPICENTRE		DEPTH	MAG				
MAY 17		20 21 34.5	55.1N	165.8W	68KM	5.1	KOMANDORSKY IS			
			H M S	DIR	LOG A/T	AZ TZ	AN TN			
		GNZ EP	Z	20 34 53	-1.23					
		H M S	EPICENTRE		DEPTH	MAG				
MAY 18		08 24 37	ZNE	28 23	-1.00					
		E(S)	ZNE	29						
		GNZ EP	Z	08 24 46	-1.10					
		E	Z	25 50						
		E	Z	27 01						
MAY 18		GNZ EP	Z	08 30 20	-1.10					

		E(S)	Z	31 57						
		WEL ES	ZNE	08 32 54						
		H M S	EPICENTRE		DEPTH	MAG				
MAY 18		08 52 01.5	18.0S	168.5E	143KM	5.0	NEW HEBRIDES IS			
			H M S	DIR	LOG A/T	AZ TZ	AN TN			
		KRP EP	Z	08 56 32	-1.37					
		GNZ EP	Z	08 56 49	-1.28					
		WEL EP	ZNE	08 57 04	-1.03					
		H M S	EPICENTRE		DEPTH	MAG				
MAY 18		16 37 41.7	20.1S	177.3W	516KM	4.7	FIJI IS			
			H M S	DIR	LOG A/T	AZ TZ	AN TN			
		KRP EP	ZE	16 41 33	-1.47					
		GNZ EP	Z	16 41 36	-1.09					
		WEL EP	ZNE	16 42 01	-1.35					
		H M S	EPICENTRE		DEPTH	MAG				
MAY 19		01 27 06	26.4S	179.1W	377KM	4.0	S OF FIJI IS			
			H M S	DIR	LOG A/T	AZ TZ	AN TN			
		WEL EP	ZNE	01 30 43	-1.06					
		ES	ZNE	33 31						
		GNZ E(S)	Z	01 32 37						
		H M S	EPICENTRE		DEPTH	MAG				
MAY 19		02 00 47	23.5S	176.0W	113KM	4.1	S OF FIJI IS			
			H M S	DIR	LOG A/T	AZ TZ	AN TN			
		GNZ ES	Z	02 07 16						
		H M S	EPICENTRE		DEPTH	MAG				
MAY 19		03 00 59.0	9.2S	159.0E	50KM	5.6	SOLOMON IS			
			H M S	DIR	LOG A/T	AZ TZ	AN TN			
		KRP IP	ZE	03 07 26.4 D	-1.01					
		GNZ IP	Z	03 07 40.1 D	-0.31					
		WEL EP	ZNE	03 07 47	-0.69					
		ES	ZNE	11 51						
		ROX EP	Z	03 08 08						
		H M S	EPICENTRE		DEPTH	MAG				
MAY 19		04 21 32.7	22.7S	176.1W	81KM	5.5	S OF FIJI IS			
			H M S	DIR	LOG A/T	AZ TZ	AN TN			
		GNZ EP	Z	04 25 23	-0.80					
		ES	Z	28 08						
		KRP EP	ZE	04 25 27	-1.55					
		E(S)	E	28 44						
		WEL EP	ZNE	04 26 04	-0.90					
		ES	ZNE	29 27						
		ROX EP	Z	04 26 57						
		H M S	EPICENTRE		DEPTH	MAG				
MAY 19		13 59 55.2	4.8S	152.3E	70KM	5.6	NEW BRITAIN			
			H M S	DIR	LOG A/T	AZ TZ	AN TN			
		GNZ EP	Z	14 07 33	-1.16					
		E*PP	Z	49						
		KRP E(*PP)	ZE	14 07 34						
		WEL EP	Z	14 07 37.5	-1.18					
		E*PP	Z	52						
		ESS	ZNE	17 10		3 20	2 24	2 24		
		EL	ZNE	19						
		EMAX	ZNE	21		3 23				
		H M S	EPICENTRE		DEPTH	MAG				
MAY 19		15 59 29.0	16.1S	174.0W	140KM	4.5	TONGA IS			
			H M S	DIR	LOG A/T	AZ TZ	AN TN			
		GNZ EP	Z	16 04 29	-1.10					
		KRP IP	ZE	16 04 31.0 U	-1.29					

DATE	H M S	EPICENTRE		DEPTH	MAG	LOCATION	DIRECTION	DIST (DEG)
		LOG A/T	AZ TZ AN TN					
MAY 19	22 07 14.1	51.6N	175.2E	35KM	5.3	ALEUTIAN IS		
		H M S	DIR					
	KRP EP	Z 22 20 38			-1.26			
MAY 19	23 32 14.0	20.8S	178.5W	552KM	5.4	FIJI IS		
		H M S	DIR					
	GNZ EP	Z 23 35 48			0.15			
	ES	Z 38 51						
	ESCP	Z 42 46						
	ESCS	Z 46 34						
	KRP IP	ZE 23 35 48.5 U			0.34			
	E*SP	Z 38 03						
	ES	E 48						
	WEL EP	ZNE 23 36 17.5			-0.10			
	E*SP	Z 38 31						
	ES	ZNE 39 33						
	MNW EP	Z 23 37 13			-0.48			
	E(+PP)	Z 38 34						
MAY 20	00 40 10.9	14.7S	167.4E	16KM	5.6	NEW HEBRIDES IS		
		H M S	DIR					
	KRP EP	ZE 00 45 30			-0.07			
	GNZ EP	Z 00 45 43			0.17			
	ES	Z 50 21						
	WEL EP	ZNE 00 46 01			0.09			
	E*PP	ZNE 12						
	ES	ZNE 50 00				135 20 323 24	120 22	
	ELO	E 52				429 34		
	ELR	ZN 53				416 26 240 19		
	ROX EP	ZNE 00 46 30			0.04	12 5 10 14	3 7	
	EPP	ZN 47 35				22 10 35 10		
	ES	NF 51 30				250 21	66 11	
	E	Z 52				89 20		
	E(SS)	NE 53 37				169 25		
	FL	ZNE 55				53 12 255 2		
MAY 20	01 04 51.7	14.4S	167.4E	27KM	5.0	NEW HEBRIDES IS		
		H M S	DIR					
	KRP EP	ZE 01 10 14			-1.31			
	E*PP	ZE 29						
	GNZ EP	Z 01 10 32			-1.09			
	MNW EP	Z 01 11 16			-1.56			
MAY 20	13 37 21.8	3.3S	135.7E	49KM	5.6	W NEW GUINEA		
		H M S	DIR					
	CNZ EP	Z 13 46 20						
	GNZ EP	Z 13 46 29			-1.40			
MAY 22	03 05 43.6	1.3N	126.3E	25KM	5.5	MOLUCCA PASSAGE		
		H M S	DIR					
	MNW EP	Z 03 15 46			-0.86			
	KRP EP	ZE 03 15 50			-1.37			
	WEL EP	ZNE 03 15 56.5			-0.71			
	GNZ EP	Z 03 16 03			-0.60			
MAY 22	10 31 59.5	21.1S	178.7W	578KM	5.8	FIJI IS		
		H M S	DIR					
	GNZ EP	Z 10 35 12			-1.31			
	E	Z 15						

DISTANT EARTHQUAKES

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DATE	H M S	EPICENTRE		DEPTH	MAG	LOCATION	DIRECTION	DIST (DEG)
		LOG A/T	AZ TZ AN TN					
		E(S)	Z	38 04				
		ESCP	Z	42 15				
		ESCS	Z	45 52				
	KRP IP	ZE	10 35 12.5 D					
	ES	E	38 13					
	WEL EP	ZNE	10 35 41.5		-0.09			6.4
	ES	ZNE	38 57					
	MNW EP	Z	10 36 37.5		-0.35			6.2
MAY 22	13 19 04.5	14.5S	167.1E	27KM	5.1	NEW HEBRIDES IS		
		H M S	DIR					
	KRP EP	ZE	13 24 29		-1.61			4.8
	GNZ EP	Z	13 24 40		-1.10			5.4
MAY 22	14 10 45.0	14.7S	167.4E	17KM	4.7	NEW HEBRIDES IS		
		H M S	DIR					
	KRP EP	ZE	14 16 04.5		-1.70			4.8
	GNZ EP	Z	14 16 15		-1.09			5.5
MAY 23	23 46 12.0	52.2N	175.0E	22KM	6.1	ALEUTIAN IS		
		H M S	DIR					
	KRP EP	ZE	23 59 10		-0.76			6.6
	WEL EP	Z	23 59 34			2 5		6.9
	ES	Z	24 09 52			2 6		
	ESP	Z	11 50			1 12		
	ELR	Z	29					
	EMAX	Z	32			5 24		
MAY 24	23 21 10.6	13.0N	124.5E	33KM	5.9	LUZON		
		H M S	DIR					
	KRP EP	ZE	23 32 21		-1.21			6.0
	MNW EP	Z	23 32 23		-1.29			5.9
	E*PP	Z	36					
	WEL EP	ZNE	23 32 28		-0.46			6.7
	E*PP	Z	40.5					
	ES	Z	41 44			1 18		
	ESS	Z	47 00			2 27		
	ELR	Z	55					
	EMAX	ZE	24 00			5 24		3 24
	GNZ EP	Z	23 32 32		-0.76			6.4
MAY 25	13 07 49.7	51.3N	178.7E	40KM	5.5	ALEUTIAN IS		
		H M S	DIR					
	KRP EP	Z	13 20 47					
MAY 25	13 36 36.7	63.0S	158.6W	33KM		S PACIFIC OCEAN		
		H M S	DIR					
	WEL EP	ZNE	13 42 15		-1.35			5.2
	E(S)	NE	47 24					
	ELR	ZNE	50					
	EMAX	ZNE	51			3 8 4 10		3 10
MAY 25	18 34 28.4	17.0S	175.9E	16KM	5.2	FIJI IS		
		H M S	DIR					
	KRP EP	ZE	18 39 20		-1.93			4.3
	E*PP	Z	25.5					
	GNZ EP	Z	18 39 22		-1.06			5.3
	WEL EP	ZNE	18 39 48		-1.04			5.4
	ES	E	44 15					3 9
	EL	ZNE	45			20 26 6 20		18 28

	H	M	S	EPICENTRE	DEPTH	MAG	DIST
				H M S	DIR	LOG A/T	AZ TZ AN TN AE TE
JUN 02	14	45	56.2	18.0S 179.4W	636KM	5.3	FIJI IS REGION
				H M S	DIR	LOG A/T	AZ TZ AN TN AE TE
KRP	EP			ZE 14 49 54.5		-1.25	
GNZ	EP			Z 14 49 55		-0.71	
WEL	EP			ZNE 14 50 25.5		-0.55	
	ES			NE 53 58			
MJZ	EP			Z 14 50 52			
	ES			Z 54 49			
MNW	EP			Z 14 51 15.5		-0.27	
	E			Z 53 56.5			
	ES			Z 55 41			
JUN 02	14	58	33.3	16.1S 179.4W	636KM	5.4	FIJI IS
				H M S	DIR	LOG A/T	AZ TZ AN TN AE TE
MJZ	EP			Z 15 03 29			
	E			Z 05 09			
MNW	EP			Z 15 03 51		-1.29	
	E			Z 05 29			
	ES			Z 08 07			
JUN 02	17	05	51.2	17.9S 179.3W	636KM	4.4	FIJI IS
				H M S	DIR	LOG A/T	AZ TZ AN TN AE TE
MJZ	EP			Z 17 10 50			
MNW	EP			Z 17 11 09		-1.29	
JUN 03	04	45	09.8	8.8S 157.1E	20KM	5.4	SOLOMON IS
				H M S	DIR	LOG A/T	AZ TZ AN TN AE TE
MJZ	EP			Z 04 52 20			
	EPCP			Z 54 40			
MNW	EP			Z 04 52 28		-1.29	
JUN 04	08	05	36.4	44.3S 75.8W	33KM	5.4	S CHILE
				H M S	DIR	LOG A/T	AZ TZ AN TN AE TE
MJZ	EP			Z 08 17 10			
JUN 04	15	26	54.3	29.9S 178.9W	222KM	5.3	KERMADEC IS
				H M S	DIR	LOG A/T	AZ TZ AN TN AE TE
ONE	EP			E 15 28 54			
KRP	EP			ZE 15 29 02		-0.97	
	ES			E 30 20			
WEL	EP			E 15 29 36.5		-0.73	
	ES			E 31 51			
MJZ	EP			Z 15 30 26			
	ES			Z 33 18			
MNW	EP			Z 15 31 03			
	F			Z 32 33			
	ES			Z 34 19			
JUN 04	17	24	47.5	20.9S 178.1W	554KM	5.2	FIJI IS
				H M S	DIR	LOG A/T	AZ TZ AN TN AE TE
KRP	EP			Z 17 28 26		-1.39	
GNZ	EP			Z 17 28 35			
MJZ	EP			Z 17 29 27			
JUN 04	23	47	57	19.1S 177.1W	378KM	5.1	FIJI IS
				H M S	DIR	LOG A/T	AZ TZ AN TN AE TE
MJZ	EP			Z 23 53 07			

DISTANT EARTHQUAKES

	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
				H M S	DIR	LOG A/T	AZ TZ AN TN AE TE MAG
JUN 05	00	16	44.1	15.6S 167.7E	125KM	5.2	NEW HEBRIDES
				H M S <td>DIR <td>LOG A/T <td>AZ TZ AN TN AE TE MAG</td> </td></td>	DIR <td>LOG A/T <td>AZ TZ AN TN AE TE MAG</td> </td>	LOG A/T <td>AZ TZ AN TN AE TE MAG</td>	AZ TZ AN TN AE TE MAG
KRP	EP			ZE 00 21 42		-1.07	5.3
MJZ	EP			Z 00 22 51			
JUN 05	03	49	02.0	1.6S 126.7E	26KM	5.5	MOLUCCA SEA
				H M S <td>DIR <td>LOG A/T <td>AZ TZ AN TN AE TE MAG</td> </td></td>	DIR <td>LOG A/T <td>AZ TZ AN TN AE TE MAG</td> </td>	LOG A/T <td>AZ TZ AN TN AE TE MAG</td>	AZ TZ AN TN AE TE MAG
MNW	EP			Z 03 58 46		-0.97	6.2
MJZ	EP			Z 03 58 50			
KRP	EP			E 03 58 53		-1.67	5.5
WEL	EP			Z 03 58 58		-1.35	5.8
GNZ	EP			Z 03 59 06		-0.94	6.3
JUN 06	21	29	49	25.1S 179.4E	600KM	4.0	S OF FIJI IS
				H M S <td>DIR <td>LOG A/T <td>AZ TZ AN TN AE TE MAG</td> </td></td>	DIR <td>LOG A/T <td>AZ TZ AN TN AE TE MAG</td> </td>	LOG A/T <td>AZ TZ AN TN AE TE MAG</td>	AZ TZ AN TN AE TE MAG
KRP	EP			ZE 21 32 38		-1.81	
GNZ	EP			Z 21 32 39		-0.99	
WEL	EP			ZN 21 33 09		-0.96	5.4
	ES			ZNE 35 59			
JUN 07	06	17	26.5	30.9S 179.8W	325KM	4.4	KERMADEC IS
				H M S <td>DIR <td>LOG A/T <td>AZ TZ AN TN AE TE MAG</td> </td></td>	DIR <td>LOG A/T <td>AZ TZ AN TN AE TE MAG</td> </td>	LOG A/T <td>AZ TZ AN TN AE TE MAG</td>	AZ TZ AN TN AE TE MAG
GNZ	EP			Z 06 19 21		0.53	
	ES			Z 20 45			
KRP	EP			ZE 06 19 26		-0.42	
	ES			E 21 00			
WEL	EP			ZNE 06 20 01		-0.66	
	ES			ZNE 22 01			
MJZ	EP			Z 06 20 47			
	ES			Z 23 26			
JUN 09	16	58	44.8	19.2S 175.6W	238KM	5.4	TONGA IS
				H M S <td>DIR <td>LOG A/T <td>AZ TZ AN TN AE TE MAG</td> </td></td>	DIR <td>LOG A/T <td>AZ TZ AN TN AE TE MAG</td> </td>	LOG A/T <td>AZ TZ AN TN AE TE MAG</td>	AZ TZ AN TN AE TE MAG
KRP	EP			ZE 17 03 06		-1.24	5.2
GNZ	EP			Z 17 03 06		-0.99	5.4
	ES			Z 06 40			
GNZ	E(P)			Z 17 03 31			
	ES			Z 07 03			
JUN 09	19	04	55.5	8.6S 127.4E	33KM	5.5	TIMOR
				H M S <td>DIR <td>LOG A/T <td>AZ TZ AN TN AE TE MAG</td> </td></td>	DIR <td>LOG A/T <td>AZ TZ AN TN AE TE MAG</td> </td>	LOG A/T <td>AZ TZ AN TN AE TE MAG</td>	AZ TZ AN TN AE TE MAG
MJZ	EP			Z 19 13 59			
KRP	EP			ZE 19 14 06		-1.82	5.2
GNZ	EP			Z 19 14 09			
JUN 10	15	16	47.7	1.8N 126.5E	77KM	5.0	MOLUCCA PASSAGE
				H M S <td>DIR <td>LOG A/T <td>AZ TZ AN TN AE TE MAG</td> </td></td>	DIR <td>LOG A/T <td>AZ TZ AN TN AE TE MAG</td> </td>	LOG A/T <td>AZ TZ AN TN AE TE MAG</td>	AZ TZ AN TN AE TE MAG
MJZ	EP			Z 15 26 50			
JUN 11	03	33	45.8	44.7N 148.9E	50KM	6.0	KURILE IS
				H M S <td>DIR <td>LOG A/T <td>AZ TZ AN TN AE TE MAG</td> </td></td>	DIR <td>LOG A/T <td>AZ TZ AN TN AE TE MAG</td> </td>	LOG A/T <td>AZ TZ AN TN AE TE MAG</td>	AZ TZ AN TN AE TE MAG
KRP	EP			Z 03 46 22		-1.39	5.8
	E=PP			ZE 37			
WEL	EP			Z 03 46 34		-0.56	6.8
	ES			ZNE 56 58			6.9
	ESS			N 04 02 46			28 45
	E(SSS)			N 07 10			11 28
	ELQ			NE 10 18			23 45 31 45

		ELP	Z	14				
		EMAX	ZNF	18	94 25	44 24	13 24	
	MJZ	EP	Z	03 46 43.5				
	ROX	EP	Z	03 46 51				
		F+PP	Z	47 05				
		ES	ZNF	57 18	8 11	68 36	27 22	
		ESS	NE	04 03 51		15 22	12 22	
		EL	NE	11		17 30	47 32	
		H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)		
JUN 12	02 44 39.7		10.8S 166.1E	133KM		SANTA CRUZ IS		
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG
		GNZ	EP	Z	02 50 33			-1.01
		H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)		
JUN 13	07 06 13.9		41.8N 143.5E	34KM	6.0	HOKKAIDO		
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG
		WEL	FLR	ZNE	07 49			
			MAX	ZNF	51	8 23	5 23	2 22
		MJZ	EP	Z	07 19 17			
JUN 13	GNZ	EP	Z	12 13 58				-0.87
		H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)		
JUN 14	07 30 43.6		39.8S 45.8E	33KM	5.5	INDO-ATLANTIC RISE		
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG
		MJZ	EP	Z	07 43 16			
		WEL	ESS	ZN	08 00 00			
			FLR	Z	11			
		H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)		
JUN 15	23 10 24.8		20.8S 173.7E	15KM	5.7	NEW HEBRIDES		
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG
		ONE	EP	E	23 14 00			
		GNZ	EP	Z	23 14 39			0.01
		WEL	EP	ZNE	23 15 04	40 10	60 15	101 20
			ES	ZNE	18 52			
			FL	ZNF	20	95 16	102 16	
			EMAX	ZNF	22			
		MJZ	EP	Z	23 15 34			
		ROX	EP	Z	23 15 49			-0.55
			ES	Z	20 14	7 8	22 20	15 14
			ESS	ZN	21 22	12 11	21 10	
			EL	Z	23			
			EMAX	Z	25	51 14	60 15	112 14
		H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)		
JUN 16	03 55 17.5		34.4S 112.3W	33KM	5.7	EASTER IS CORD		
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG
		MJZ	EP	Z	04 05 19			
		WEL	ES	ZE	04 12 58	3 24		5 22
			EL	N	18			
			EL	ZE	19	11 25	9 20	8 23
			MAX	ZNE	21			
		ROX	ES	NE	04 13 30			3 12
			EL	N	20			
			EL	F	22			
			ELP	Z	23			
			MAX	NE	24			5 11
		H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)		
JUN 16	06 07 36.9		28.9S 176.9W	54KM	4.5	KERMADEC IS		
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG
		GNZ	EP	Z	06 10 02			-0.87
			ES	Z	11 57			
			ONE	E	06 10 17			
		MJZ	EP	Z	06 11 42			

		WEL	ES	NE	06 13 26				
		H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)			
JUN 17	04 42 54		23.6S 179.7W	474KM	4.7	S OF KERMADEC IS			
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG	
		MJZ	EP	Z	04 47 12				
		H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)			
JUN 19	GNZ	EP	Z	10 27 45.5				-0.76	
		ONE	EP	E	10 27 52				
		TUA	EP	Z	10 27 53.5				
			ES	Z	29 06				
		GNZ	EP	Z	10 28 06				
		H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)			
JUN 20	06 01 57.4		6.8S 129.2E	146KM	5.4	BANDA SEA			
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG	
		MJZ	EP	Z	06 10 51.7				
		H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)			
JUN 22	WEL E(S)		ZNE	12 05 54		2 8	1 14	1 16	
			EL	ZNE	07				
			MAX	ZNE	09	1 14	1 16	1 15	
		H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)			
JUN 22	13 13 15.9		20.9S 173.7E	33KM	4.8	NEW HEBRIDES			
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG	
		KRP	EP	ZE	13 17 19			-1.33	
		GNZ	EP	Z	13 17 25			-0.98	
		WEL	EP	Z	13 17 56		1 10	5.4	
			ES	ZNE	21 42	3 12	7 13	9 20	
			EL	ZNE	23				
			MAX	ZNE	24	6 20	7 20	8 18	
		H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)			
JUN 22	23 48 07.0		7.2N 123.5E	56KM	5.7	PHILIPPINE IS			
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG	
		KRP	EP	ZE	23 58 56			-1.21	
		MNW	EP	Z	23 59 01			-1.30	
		WEL E(SCS)	Z	24 08 26		4 32		10 40	
			ELR	Z	20		4 36		
		GNZ	EP	Z	23 59 17			-1.06	
		H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)			
JUN 23	11 09 15.7		56.5N 152.8W	33KM	5.7	KODIAK IS			
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG	
		WEL	ESKS	Z	11 33 54			1 14	
			ESP	Z	36 16			2 22	
			ELR	ZNE	57				
			MAX	ZE	59	9 24		3 24	
		H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)			
JUN 24	07 45 13.9		7.0N 126.2E	51KM	5.8	PHILIPPINE IS			
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG	
		MJZ	EP	Z	07 55 48				
		H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)			
JUN 24	14 08 32.4		23.5S 176.8W	102KM	5.5	S OF FIJI IS			
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG	
		GNZ	EP	Z	14 12 04			-0.80	
			E(S)	Z	14 40				
		KRP	EP	ZE	14 12 08			-0.25	
			E(S)	E	15 12				
		WEL	EP	ZNE	14 12 46			-0.73	
			ES	ZNE	16 07				
		MJZ	EP	Z	14 13 28				
			ES	Z	17 24				

DATE	TIME	STATION	E	EPICENTRE		DEPTH	MAG	LOCATION	DIST (DEG)	WEL	TN	AE	TE	MAG
				H M S	DIR									
		ONE	EP	E	01 18 58									
		WEL	FL	E	01 21 30									
		KRP	P	Z	01 23									7 20
		CNZ	F	Z	01 19 08									
		WEL	EL	Z	01 19 20									7 20
		ROX	EL	Z	01 23									
				NE	01 25									3 20 3 20
JUL 10	02 07 43.0				30.0S 178.7W	11KM	5.0	KERMADEC IS						
		ONE	EP	E	02 09 49									
		ECZ	F	Z	02 09 58									
		KRP	P	Z	02 10 00									
		CNZ	E	Z	02 10 18									
		WEL	FL	Z	02 14									6 18
		ROX	EL	NE	02 17									
JUL 10	03 25 48				30.0S 178.9W	66KM	4.8	KERMADEC IS						
		ECZ	E(P)	Z	03 27 41									
		ONE	EP	E	03 27 47									
		KRP	EP	Z	03 27 59									
		CNZ	E(P)	Z	03 28 12									
		WEL	FL	Z	03 32									6 18
		ROX	EL	NE	03 35									3 20 3 20
JUL 10	05 10 48.4				30.1S 178.8W	73KM	4.7	KERMADEC IS						
		ECZ	E(P)	Z	05 12 45									
		ONE	EP	E	05 12 49									
		KRP	EP	Z	05 13 00									
		WEL	FL	Z	05 17									6 18
		ROX	FL	NE	05 20									3 20 3 20
JUL 10		ONE	EP	E	06 13 18									
		KRP	EP	Z	06 13 28.5									
		WEL	EL	Z	06 18									3 20
		ROX	EL	NE	06 20									
JUL 10	07 55 22.5				30.0S 178.9W	77KM	4.6	KERMADEC IS						
		ONE	EP	E	07 57 19									
		KRP	EP	Z	07 57 33									
				Z	58 40									
		WEL	EL	Z	08 01 30									6 19
		ROX	EL	NE	08 04									3 20 3 20
JUL 10		ONE	E(P)	E	09 31 00									
		KRP	E(P)	Z	09 31 01									
		WEL	EL	Z	09 35									3 19
		ROX	EL	NE	09 38									
JUL 10	09 43 29.3				24.3S 179.8W	498KM	4.9	FIJI IS						
		KRP	P	Z	09 46 36									
		MJZ	EP	Z	09 47 46									
JUL 10		ONE	E(P)	E	11 20 52									
		KRP	E(P)	Z	11 21 00									
		WEL	EL	Z	11 25									4 20
		ROX	EL	NE	11 28									3 20
JUL 10		ONE	E(P)	E	12 14 52									

DISTANT EARTHQUAKES

DATE	TIME	STATION	E	EPICENTRE		DEPTH	MAG	LOCATION	DIST (DEG)	WEL	TN	AE	TE	MAG
				H M S	DIR									
		KRP	EP	Z	12 15 05									
		WEL	EL	Z	12 19									3 19
		ROX	EL	NE	12 22									
JUL 10	14 07 53				30.3S 178.9W	72KM	4.5	KERMADEC IS						
		ONE	EP	E	14 09 54									
		ECZ	E	Z	14 10 01									
		KRP	EP	Z	14 10 02									
		WEL	EL	Z	14 14									4 18
		ROX	EL	NE	14 17									
JUL 10	16 48 41.6				30.3S 178.6W	47KM	4.8	KERMADEC IS						
		ECZ	EP	Z	16 50 32									
		ONE	EP	E	16 50 39									
		KRP	E(P)	Z	16 50 51									
		WEL	EL	Z	16 55									4 18
		ROX	EL	NE	16 58									
JUL 10		KRP	P	Z	18 34 15									
				Z	40									
		WEL	EL	Z	18 38									4 19
		ROX	EL	NE	18 41									
JUL 10	19 22 18.8				41.6N 140.4E	129KM	5.2	JAPAN						
		KRP	P		19 34 43									
		CNZ	E(P)	Z	19 34 48									
JUL 10	21 11 36.1				30.7S 178.4W	98KM	4.4	KERMADEC IS						
		KRP	EP	Z	21 13 42									
		CNZ	E	Z	21 14 05									
		WEL	EL	Z	21 18									4 20
		ROX	EL	NE	21 20									
JUL 10	23 45 48				30.0S 178.6W	33KM		KERMADEC IS						
		KRP	EP	Z	23 48 02									
		CNZ	E	Z	23 48 28									
		WEL	EL	Z	23 52									1 20
		ROX	EL	NE	23 55									
JUL 11		MJZ	EP	Z	00 21 50									
JUL 11		KRP	EP	Z	03 34 57									
		WEL	EL	Z	03 39									1 19
JUL 11	05 21 44.7				15.1S 173.7W	52KM	4.9	TONGA IS						
		KRP	E(P)	Z	05 27 07									
		WEL	EL	Z	05 36									
JUL 11		KRP	E(P)	Z	09 41 07									
		WEL	EL	Z	09 45									1 18
JUL 11	16 15 21.2				36.4N 139.7E	81KM	4.5	JAPAN						
		MJZ	EP	Z	16 27 45									

	H	M	S	EPICENTRE	DEPTH	MAG		DIST (DEG)
JUL 11	20	12	42.8	19.1S 175.6W	257KM	4.7	TONGA IS	WEL 71
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	20 17 03				
	CNZ	EP	Z	20 17 12				
	MJZ	E(P)	Z	20 18 09				
	MNW	EP	Z	20 18 31				
JUL 11	22	54	44	16.6S 173.0W	33KM	4.7	TONGA IS	WEL 27
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	CNZ	EP?	Z	22 00 04				
	KRP	P	Z	22 59 51				
JUL 12	03	21	27.6	19.0S 175.2W	226KM	4.2	TONGA IS	WEL 24
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	P	Z	03 25 52.5				
JUL 12	05	34	11.0	16.6S 172.8W	62KM	5.0	SAMOA IS	WEL 27
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	05 39 17.5				
	CNZ	EP	Z	05 39 31				
JUL 12	11	39	15.7	6.8S 105.7E	80KM	4.8	SUNDA STRAIT	WEL 71
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	CNZ	P	Z	11 50 21				
	KRP	E(P)	Z	11 50 23				
JUL 12	13	57	14.8	28.4S 68.3W	118KM	5.7	ARGENTINA	WEL 81
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	CNZ	EP	Z	14 10 00		-0.86		
	CNZ	EP	Z	14 10 04				
		E+PP	Z	34				
	MNW	EP	Z	14 10 04		-1.47		
	KRP	EP	Z	14 10 07.3				
		+PP	Z	37				
JUL 12	18	39	46.7	4.6S 103.2E	80KM	5.3	SUMATRA	WEL 71
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	18 50 46				
	CNZ	E	Z	18 51 13				
JUL 12	18	50	55.9	33.9N 132.2E	45KM	4.8	JAPAN	WEL 84
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	19 03 13				
JUL 13	06	23	49.9	20.2S 174.1W	63KM	5.1	TONGA IS	WEL 27
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	P	Z	06 28 19				
	CNZ	EP	Z	06 28 31				
	MNW	EP	Z	06 30 02				
JUL 13								
	KRP	EP	Z	12 06 00				
	CNZ	E	Z	12 06 26				
JUL 13	14	09	20.9	51.5N 178.3W	55KM	5.2	ALEUTIAN IS	WEL 91
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	E(P)	Z	14 22 22				

	H	M	S	EPICENTRE	DEPTH	MAG		DIST (DEG)
JUL 13	14	41	11.3	0.9S 121.5E	129KM	5.5	CELEBES	WEL 63
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	14 51 18				
	WEL	EL	Z	15 11 00				
		MAX	Z	17				
							2 22	
JUL 13	19	37	11.7	4.3S 143.3E	102KM	5.4	NEW GUINEA	WEL 46
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	P	Z	19 45 16.5				
		+PP	Z	41				
	CNZ	P	Z	19 45 21				
		E+PP	Z	47				
	MNW	E(P)	Z	19 45 31				
JUL 13	19	45	25.6	21.2S 176.2W	202KM	4.5	FIJI IS	WEL 21
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	P	Z	19 49 26				
	CNZ	E(P)	Z	19 49 40				
	WEL	EP?	Z	19 50 01				
		E	Z	03				
		ES	E	53 43				
	MNW	EP	Z	19 50 59				
	GPZ	S	N	19 54 40				
JUL 14	10	12	03.5	60.6S 24.7W	33KM	5.7	SANDWICH IS	WEL 77
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	CNZ	P	Z	10 24 11				
	KRP	P	Z	10 24 14				
JUL 14	13	45	58.0	52.4N 168.6W	33KM	5.0	ALEUTIAN IS	WEL 94
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	CNZ	EP	Z	13 58 28				
JUL 14	18	13	24.3	0.0N 123.0E	241KM	5.2	CELEBES	WEL 62
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	P	Z	18 23 17				
		E+PP	Z	57				
	CNZ	EP	Z	18 23 21				
		E(+PP)	Z	51				
JUL 15								
	CNZ	EP?	Z	06 53 23				
		E	Z	30				
	KRP	P	Z	06 53 30				
	WEL	EL	Z	06 57 30				
							3 19	
JUL 15	08	01	16.6	13.1S 166.9E	120KM	4.8	NEW HEBRIDES IS	WEL 20
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	E(P)	Z	08 06 55				
		E	Z	07 07				
JUL 15	18	33	30.7	7.7N 123.8E	590KM	6.0	PHILIPPINE IS	WEL 67
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	MNW	P	Z	18 43 22		-1.43		5.1
		E+PP	Z	45 22				
	KRP	P	Z	18 43 24				
		E+PP	Z	45 19				
	MJZ	EP	Z	18 43 25				
		E+PP	Z	45 19				

	ROX	EP	Z	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	CNZ	P	Z	18	43	27				
	WEL	P	Z	18	43	30			-0.69	
JUL 15										
	H	M	S	23.5S	179.9W	528KM			5.2	FIJI IS
	KRP	EP	Z	20	36	12				
	MJZ	EP	Z	20	37	15				
	MNW	P	Z	20	37	38			-1.46	
	WEL	ES	NE	20	39	42				
JUL 15										
	H	M	S	30.6S	179.6W	335KM				KERMADEC IS
	ECZ	EP	Z	21	06	54				
	E		Z			58				
	E(S)		Z			08 17				
	E		Z			21				
	ONE	EP	E	21	06	58				
	GNZ	EP	Z	21	07	03				
	E		Z			07.5				
	E(S)		Z			08 38				
	KRP	EP	ZE	21	07	07				
	F		ZE			10				
	E(S)		E			08 45				
	TUA	EP	Z	21	07	08				
	E		Z			11				
	E(S)		Z			08 50				
	CNZ	P	Z	21	07	19				
	E(S)		Z			09 11				
	TNZ	EP	Z	21	07	26				
	E(S)		Z			09 17				
	WEL	EP	Z	21	07	40.5				
	ES		ZE			04 47				
	GPZ	EP	N	21	08	16				
	E		N			19				
	ES		N			10 47				
	E		N			51				
	MJZ	EP	Z	21	08	28.5				
	ES		Z			11 11				
	TON	S	X	21	09	07				
	COB	ES	E	21	10	03				
	KAI	ES	X	21	10	36				
JUL 16										
	H	M	S	4.6S	152.4E	92KM			5.2	NEW BRITAIN
	MJZ	EP	Z	02	19	56.5				
JUL 16										
	H	M	S	19.4S	177.6W	563KM			4.9	FIJI IS
	KRP	P	Z	07	31	02				
	MNW	P	Z	07	32	26			-1.66	
JUL 16										
	MJZ	P	Z	10	53	39				
JUL 16										
	H	M	S	14.6S	173.1W	50KM			4.8	SAMOA IS
	KRP	EP	Z	12	24	37.5				
JUL 16										
	H	M	S	11.9S	166.2E	60KM			4.5	SANTA CRUZ IS
	MJZ	EP?	Z	13	23	34				

	E	Z	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)	
	ROX	EP	Z	13	23	45			-1.03	5.9
JUL 16										
	H	M	S	11.8S	166.0E	28KM			4.6	SANTA CRUZ IS
	MJZ	EP	Z	22	39	44				
	ROX	EP	Z	22	40	01				
JUL 17										
	H	M	S	9.7S	159.8E	24KM			6.4	SOLOMON IS
	TNZ	E(P)	Z	07	26	58				
	GNZ	EP	Z	07	27	07			-0.98	5.9
	WEL	E(P)	Z	07	27	16				
	EL		Z			36 30				
	MAX		Z			40			6 19	
	MNW	EP	Z	07	27	34				
	E		Z			38				
	ROX	ES	NE	07	33	24				6 21 3 20 5.9
	EL		NE			38				
JUL 17										
	H	M	S	7.2S	153.7E	23KM			5.7	NEW BRITAIN
	GNZ	P	Z	12	55	07				
	E		Z			21				
	WEL	E(P)	Z	12	55	12				
	MJZ	E(P)	Z	12	55	16				
	E		Z			27				
	MNW	E(P)	Z	12	55	26				
	ROX	ES	E	13	01	40				
	EL		NE			05				
JUL 17										
	H	M	S	27.1S	177.6W	27KM			5.4	KERMADEC IS
	ONE	EP	E	13	01	54				
	GNZ	EP	Z	13	01	58				
	E(S)		Z			04 04				
	ECZ	E(P)	Z	13	02	04				
	TNZ	EP?	Z	13	02	24				
	E		Z			30				
	WEL	E	Z	13	02	55				
	E(S)		E			05 33				
	EL		ZNE			06 30				
	MJZ	EP?	Z	13	03	31				
	E		Z			37				
	E		Z			04 00				
	ROX	E	Z	13	03	59				
	MNW	EP	Z	13	04	08			-1.29	5.0
JUL 17										
	H	M	S	17.4S	167.1E	49KM			4.7	NEW HEBRIDES IS
	GNZ	E(P)	Z	13	23	36				
JUL 18										
	H	M	S	7.9S	142.2E	25KM			4.7	CAROLINE IS
	KRP	EP	Z	05	42	19				
JUL 18										
	MJZ	P	Z	11	29	30				

	H	M	S	EPICENTRE	DEPTH	MAG							
				H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE	TE	MAG
JUL 21	02	51	39.0	20.9S 175.7W	58KM	5.7	TONGA IS						
	KRP	EP	Z	02 55 51									
	CNZ	F	Z	02 56 07									
	TNZ	EP	Z	02 56 06									
		F	Z	17									
	WEL	E(P)	Z	02 56 29		-0.53							
	MJZ	EP	Z	02 57 06									
	MNW	P	Z	02 57 27									
JUL 21	08	44	33	24.8S 180.0E	422KM	4.1	FIJI IS						
	KRP	E(P)	Z	08 47 39									
JUL 21	16	18	01.2	11.9S 166.0E	54KM	4.9	SANTA CRUZ IS						
	MJZ	E(P)	Z	16 24 25									
	ROX	EP	Z	16 24 37									
JUL 21	17	52	29.4	53.3N 170.4E	17KM	5.7	ALEUTIAN IS						
	KRP	P	Z	18 05 34									
JUL 21		MJZ	EP?	Z	21 20 48								
JUL 21	23	50	24	16.2S 173.5W	59KM	4.2	TONGA IS						
	KRP	EP	Z	25 55 26									
JUL 22	16	28	16.9	16.8S 173.6W	44KM	5.0	TONGA IS						
	KRP	EP	Z	16 33 20									
	CNZ	EP	Z	16 33 33									
	MJZ	EP?	Z	16 34 27									
		F	Z	30									
	ROX	E(P)	Z	16 34 46									
	MNW	EP	Z	16 34 48									
JUL 22	19	46	58	15.2S 173.6W	33KM	4.3	TONGA IS						
	KRP	EP	Z	19 52 15									
JUL 23		ECZ	E(P)	Z	14 57 59								
		GNZ	EP	Z	14 58 18								
		F	Z	26									
		KRP	EP	Z	14 58 24								
JUL 24	09	47	28.9	22.0S 170.1E	39KM	4.7	LOYALTY IS						
	KRP	EP	Z	09 51 22									
	MJZ	EP	Z	09 52 25									
JUL 24		MJZ	EP?	Z	19 07 37								
JUL 24	20	34	44.9	16.8S 174.1W	42KM	4.5	TONGA IS						
	KRP	P	Z	20 39 44.5									

DISTANT EARTHQUAKES

	H	M	S	EPICENTRE	DEPTH	MAG							
				H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE	TE	MAG
	MJZ	EP	Z	20 40 54									
JUL 25	03	40	40.0	2.0N 99.3E	97KM	5.3	SUMATRA						
		F	Z	03 52-21		-1.72							
	MNW	P	Z	03 52 29									
	MJZ	EP	Z	03 52 44									
	KRP	E(P)	Z	03 52 44									
	CNZ	EP	Z	03 52 44									
	WEL	ELQ	M	04 15 30							3 50		
	ELR	Z	Z	21 30							3 20		
	MAX	Z	Z	27									
JUL 25	07	10	50.3	9.7S 160.2E	11KM	5.0	SOLOMON IS						
	MJZ	EP	Z	07 17 46.5									
JUL 25	08	29	11.3	23.4S 179.8W	535KM	4.6	FIJI IS						
	KRP	EP	Z	08 32 22									
	CNZ	P	Z	08 32 38									
	WEL	EP	Z	08 32 54		-1.35							5.1
	MJZ	E(P)	Z	08 33 27									
	MNW	EP	Z	08 33 49									
JUL 25		WEL	P?	ZNE 08 58 04		-0.69							
		?	ZNE	09 01 44									
JUL 25		WEL	P	Z	13 32 27.5		-0.70						
		F	Z	43									
JUL 25	13	33	06.2	41.4N 146.7E	33KM	5.8	JAPAN						
	KRP	EP	Z	13 45 31									
	WEL	EP	Z	13 45 44		-1.22							6.1
	MJZ	P	Z	13 45 52.7 U									
JUL 25	14	32	32.5	23.4S 179.9W	559KM	4.3	FIJI IS						
	KRP	EP	Z	14 35 42									
	WEL	EP	Z	14 36 13		-1.21							5.3
	MJZ	E(P)	Z	14 36 50									
JUL 25	21	46	56.0	51.5N 176.0E	39KM	5.5	ALEUTIAN IS						
	KRP	EP	Z	21 59 39									
JUL 26	03	32	37.4	23.2S 179.6W	524KM	3.7	FIJI IS						
	KRP	EP	Z	03 35 53									
JUL 26	10	41	44.3	16.1S 172.6W	33KM	4.5	SAMOA IS						
	KRP	E(P)	Z	10 47 06									
JUL 26	10	43	29.0	14.4S 166.7E	56KM	4.7	NEW HEBRIDES IS						
	KRP	E(P)	Z	10 48 49									

	ES	NZ	54 24	13 10	5 16	
	PS	NZ	55 46	21 18		
	PPS	N	56 28	18 18		
	FSS	N	09 01	26 24		
	ESSS	N	05	17 25		
	ELO	E	10			
	ELP	ZNE	14			
	MAX	ZN	24	21 19	22 19	
	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
JUL 29	15 43 49.8	6.2S 148.9E	53KM	4.6	NEW BRITAIN	WEL 27
	KRP EP	Z 15 51 28				
	MJZ E(P)	Z 15 51 50				
	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
JUL 30	03 12 05.4	20.7S 175.7W	138KM	4.3	TONGA IS	WEL 27
	KRP P	Z 03 16 16				
	WEL E(P)	Z 03 16 54				
	MJZ P	Z 03 17 25				
	MNW P	Z 03 17 51				
	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
JUL 30	05 45 03.5	24.3S 179.8W	538KM		FIJI IS	WEL 19
	KRP EP	Z 05 48 06				
	GNZ P?	Z 05 48 30				
	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
JUL 30	18 58 58.7	24.4S 67.7W	140KM	5.3	CHILE	WEL 19
	MJZ EP	Z 19 12 00				
	KRP P	Z 19 12 04.5				
	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
JUL 31	11 47 03.2	19.9S 173.3W	58KM	4.8	TONGA IS	WEL 24
	KRP P	Z 11 51 42				
	(*PP)	Z 11 52				
	MJZ EP	Z 11 52 56				
	MNW E(P)	Z 11 53 17				
	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
JUL 31	14 26 26.3	26.2S 179.8E	462KM	5.6	FIJI IS	WEL 19
	KRP EP	Z 14 29 09.5				
	GNZ EP	Z 14 29 10				
	ES	Z 14 29 28				
	WEL EP	Z 14 29 42				
	S	N 32 29				
	MJZ P	Z 14 30 19				
	E(S)	Z 33 32				
	ROX P	Z 14 30 36				
	MNW P	Z 14 30 43				
	E	Z 47				
	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
JUL 31	15 20 40.8	20.9S 174.0W	43KM	4.6	TONGA IS	WEL 27
	KRP EP?	Z 15 26 23				
	MJZ E	Z 15 26 28				
	MNW E(P)	Z 15 26 44				

	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
JUL 31	15 44 46.2	19.2S 175.5W	568KM	4.7	FIJI IS	WEL 24
	KRP P	Z 15 48 39.8				
	MNW P	Z 15 50 04				5.0
	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
AUG 01	07 28 04	20.1S 177.0W	315KM	4.1	FIJI IS	WEL 22
	KRP EP	Z 07 32 06				4.8
	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
AUG 01	09 19 51.1	0.3S 125.8E	82KM	5.4	MOLUCCA PASSAGE	WEL 60
	MJZ FP	Z 09 29 47				
	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
AUG 01	15 02 56.3	46.9N 143.8E	401KM	5.3	SAKHALIN	WEL 92
	KRP EP	Z 15 15 09.2				5.9
	MJZ EP	Z 15 15 29				
	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
AUG 01	20 34 16.8	13.5S 165.8E	13KM	5.8	NEW HEBRIDES IS	WEL 29
	MJZ FP	Z 20 40 33				
	MNW FP	Z 20 40 46				5.7
	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
AUG 02	13 19 55.9	56.2S 157.9E	33KM	6.6	MACQUARIE IS	WEL 19
	ROX EP	Z 13 22 54				
	FS	Z 24 11				0.81
	MJZ EP	Z 13 23 15				110 10 342 26 109 12
	ES	Z 26 25				
	WEL EP	ZNF 13 24 13.5				1.01
	FS	ZNE 27 43				527 12 354 10 238 16 7.5
	KRP EP	ZF 13 24 48.5				553 32 369 23 259 20 7.2
	GNZ FP	Z 13 24 52				0.08
						0.21
	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
AUG 02	22 48 00.8	19.0S 169.1E	151KM	4.3	NEW HEBRIDES IS	WEL 23
	KRP EP	Z 22 52 22				
	MJZ EP	Z 22 53 13				-1.52
	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
AUG 03	09 36 38.5	21.3S 179.2W	593KM	4.8	FIJI IS	WEL 21
	KRP EP	Z 09 40 06				-1.59
	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
AUG 03	14 41 55.0	15.9S 172.6W	33KM	4.7	SAMOA IS	WEL 28
	KRP EP	Z 14 47 12				-1.72
	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
AUG 03	15 04 43.0	23.7S 179.1E	551KM	4.0	S OF FIJI IS	WEL 18
	KRP EP	Z 15 07 48				-1.73
	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
AUG 03	18 00 32.7	15.5S 167.5E	128KM	4.9	NEW HEBRIDES IS	WEL 26
	KRP EP	Z 18 05 32.5				-0.79
	GNZ EP	Z 18 05 47				-1.09

MJZ EP		Z	18 06 21.5							
H M S	EPICENTRE		DEPTH	MAG	DIST (DEG)					
AUG 04 06 39 29.0	33.7S 179.3W		33KM	4.3	S OF KERMADEC IS					
		H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE	TE
TUA	EP	Z	06 40 54							
	ES	Z	42 25							
ONE	EP	E	06 41 51							
KRP	EP	ZE	06 41 57	-1.18						
	E	Z	42 01							
WEL	ES	Z	06 43 11							
MJZ	EP	Z	06 42 31							
	ES	Z	44 48							
H M S		EPICENTRE		DEPTH	MAG	DIST (DEG)				
AUG 04 08 47 09.4	13.2S 167.0E		209KM	5.7	NEW HEBRIDES IS					
		H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE	TE
KRP	EP	ZE	08 52 22.5	-0.69						
	ESCP	Z	59 10							
TUA	EP	Z	08 52 33							
WEL	EP	ZNE	08 52 48	-0.15						
MJZ	EP	Z	08 53 07							
	ES	Z	55 59							
	ESCP	Z	59 25							
H M S		EPICENTRE		DEPTH	MAG	DIST (DEG)				
AUG 05 00 07 50.9	5.2S 151.6E		50KM	6.2	NEW BRITAIN					
		H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE	TE
KRP	EP	ZE	00 15 18	-0.53						
	EPCP	ZE	17 26							
	E+PPCP	Z	39							
	ESCP	ZE	21 11							
	ESCS	E	25 19							
	E+SSCS	E	45							
GNZ	EP	Z	00 15 32	-0.53						
WEL	EP	Z	00 15 35	-0.39	8 26					
	EPP	ZNE	17 26		11 13	7 11	9 11			
	ES	ZNE	21 28		26 46	36 32	40 38			
	EL	ZNE	25 00		54 29	27 24	57 23			
	ELR	ZNE	27 30							
	EMAX	ZNE	29		99 22	41 22	62 23			
MJZ	EP	Z	00 15 40							
	EPCP	Z	17 35							
	E+PPCP	Z	48							
	ESCP	Z	21 21							
	EPKPPKP	Z	47 20							
ROX	EP	ZNE	00 15 57	-1.08				3 20	3 22	
	EPP	ZNE	17 52		4 10		8 12	5 12		
	ES	ZNE	22 00		7 8					
	EL	ZNE	25 35		21 24	17 25	23 24			
	ELR	ZNE	28							
	EMAX	ZNE	32		52 20	50 20	50 20			
H M S		EPICENTRE		DEPTH	MAG	DIST (DEG)				
AUG 05 11 02 21.2	15.1S 176.9W		388KM	4.6	FIJI IS					
		H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE	TE
KRP	EP	Z	11 06 58	-1.73						
MJZ	EP	Z	11 08 01							
MNW	EP	Z	11 08 22							
H M S		EPICENTRE		DEPTH	MAG	DIST (DEG)				
AUG 05 14 27 29	65.8S 178.9E		33KM		BALLENY IS					
		H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE	TE
MNW	EP	Z	14 32 03	-0.35						
MJZ	EP	Z	14 32 14							
WEL	EL	ZN	14 38		2 28	4 30				

H M S	EPICENTRE		DEPTH	MAG	DIST (DEG)					
AUG 05 19 47 43	65.4S 179.1E		33KM		BALLENY IS					
		H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE	TE
MNW	EP	Z	19 52 21	-0.83						5.4
	F+PP	Z	30							
MJZ	EP	Z	19 57 38							
	F+PP	Z	46							
WEL	EL	ZNF	19 57		6 23	6 25	3 24			
H M S		EPICENTRE		DEPTH	MAG	DIST (DEG)				
AUG 06 02 57 26.9	21.5S 179.7W		579KM		FIJI IS					
		H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE	TE
KRP	EP	ZE	03 00 49	-0.87						5.5
GNZ	EP	Z	03 00 50	-0.47						6.0
WEL	EP	Z	03 01 18	-0.85						5.7
MJZ	EP	Z	03 01 51							
H M S		EPICENTRE		DEPTH	MAG	DIST (DEG)				
AUG 06 12 16 07.9	18.5S 169.2E		53KM	4.6	NEW HEBRIDES IS					
		H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE	TE
KRP	EP	Z	12 20 42	-1.63						4.6
MJZ	EP	Z	12 21 34							
H M S		EPICENTRE		DEPTH	MAG	DIST (DEG)				
AUG 06 21 56 16.0	72.2S 170.3E		17KM		LOYALTY IS					
		H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE	TE
KRP	EP	Z	22 00 08							
MJZ	EP	Z	22 01 15							
H M S		EPICENTRE		DEPTH	MAG	DIST (DEG)				
AUG 07 06 48 07.3	51.2S 174.5E		18KM	5.1	ALEUTIAN IS					
		H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE	TE
KRP	EP	Z	07 01 02	-1.58						5.8
	E(+PP)	Z	15							
H M S		EPICENTRE		DEPTH	MAG	DIST (DEG)				
AUG 07 11 16 36.7	31.5S 178.0W		33KM	4.6	KERMADEC IS					
		H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE	TE
GNZ	EP	Z	11 20 30	-1.08						
	ES	Z	21 55							
KRP	E(+PP)	Z	11 20 41							
	E(+PP)	ZE	50							
WEL	ES	ZNE	11 23 13							
MJZ	EP	Z	11 22 12							
	ES	Z	24 53							
ONE	EP	E	11 20 30							
H M S		EPICENTRE		DEPTH	MAG	DIST (DEG)				
AUG 07 12 06 04.1	29.5S 175.7W		33KM	4.5	KERMADEC IS					
		H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE	TE
KRP	EP	ZE	12 08 42	-1.91						
	ES	E	10 47							
ONE	EP?	E	12 08 54							
GNZ	EP	Z	12 08 34	-1.30						
	ES	Z	10 22							
WEL	EP	ZNE	12 09 34	-1.06						
	ES	ZNE	11 48							
MJZ	EP	Z	12 10 16							
	ES	Z	13 23							
H M S		EPICENTRE		DEPTH	MAG	DIST (DEG)				
AUG 07 13 05 39										
		H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE	TE
GNZ	EP	Z	13 05 39	-1.23						
	E+PP?	Z	57							
	ES	Z	07 25							
ONE	EP	E	13 05 44							
KRP	EP	ZE	13 05 47	-1.58						

	H	M	S	EPICENTRE	DEPTH	MAG	DIST
AUG 07	13	26	21.0	6.8N 126.8E	81KM	4.4 MINDANAO	WEL
				H M S	DIR	LOG A/T AZ TZ AN TN	AE TE
	KRP	EP	Z	13 36 49		-1.69	
	MJZ	EP	Z	13 36 52			
AUG 07	14	06	03.0	6.8N 126.9E	76KM	4.4 MINDANAO	WEL
				H M S	DIR	LOG A/T AZ TZ AN TN	AE TE
	MJZ	EP	Z	14 16 32			
AUG 07	23	57	48.8	20.0S 176.3W	215KM	3.8 FIJI IS	WEL
				H M S	DIR	LOG A/T AZ TZ AN TN	AE TE
	GNZ	EP	Z	24 01 54		-1.23	
	MJZ	EP	Z	24 03 03			
	NO TRACE ON KRP RECORD FOR 7/8						
AUG 08	00	25	27.1	15.9S 167.2E	17KM	4.4 NEW HEBRIDES IS	WEL
				H M S	DIR	LOG A/T AZ TZ AN TN	AE TE
	GNZ	EP	Z	00 30 48		-1.18	
	CNZ	EP	Z	00 30 48			
	MJZ	EP	Z	00 31 26			
AUG 08	09	46	28.9	4.0N 128.5E	45KM	5.4 N OF HALMAHERA	WEL
				H M S	DIR	LOG A/T AZ TZ AN TN	AE TE
	MJZ	EP	Z	09 56 39			
	CNZ	EP	Z	09 56 40			
	WEL	EP	ZE	09 56 43		-1.20	
	EL		ZE	10 19 39			
	GNZ	EP	Z	09 56 48		-1.31	
AUG 09	17	26	43.1	5.7S 148.6E	131KM	5.1 NEW BRITAIN	WEL
				H M S	DIR	LOG A/T AZ TZ AN TN	AE TE
	KRP	EP	Z	17 34 10.5		-1.39	
	GNZ	EP	Z	17 34 25		-0.87	
	MJZ	EP	Z	17 34 28			
AUG 09	23	12	21.5	28.7S 71.2W	32KM	5.4 NEAR CENTRAL CHILE	WEL
				H M S	DIR	LOG A/T AZ TZ AN TN	AE TE
	GNZ	EP	Z	23 25 07		-0.87	
	MJZ	EP	Z	23 25 12			
	MNW	EP	Z	23 25 13		-1.29	
	ESKS		Z	35 30			
	KRP	EP	ZE	23 25 15		-0.88	
AUG 10	MNW	EP	Z	08 11 29		-0.65	
	WEL	EL	Z	08 17 45			5 22
AUG 10	MNW	EP	Z	08 50 52		-0.83	
AUG 10	08	47	17.3	15.2S 172.8W	11KM	5.0 SAMOA IS REGION	WEL
				H M S	DIR	LOG A/T AZ TZ AN TN	AE TE
	KRP	EP	Z	08 52 40		-1.52	
AUG 10	14	45	17	25.1S 177.9W	540KM	3.8 S OF FIJI IS	WEL
				H M S	DIR	LOG A/T AZ TZ AN TN	AE TE
	GNZ	EP	Z	14 47 10		-0.16	
	ES		Z	49 04			
	KRP	EP	ZE	14 47 13		-0.56	

	ES	F	49 11
WFL	ES	Z	14 50 09
MJZ	ES	Z	14 51 28
MNW	EP	Z	14 48 54
			-1.47
			5.0
AUG 10	21	46	33.9
			18.4S 172.5W
			35KM
			5.1 TONGA IS
			H M S
			DIR
			LOG A/T AZ TZ AN TN
			AE TE
			MAG
	KRP	EP	ZE 21 51 33
	GNZ	EP	Z 21 51 33
	MJZ	EP	Z 21 52 44
	MNW	EP	Z 21 53 11
			-1.64
			5.2
AUG 11	03	10	05.2
			15.4S 166.9E
			24KM
			4.8 NEW HEBRIDES IS
			H M S
			DIR
			LOG A/T AZ TZ AN TN
			AE TE
			MAG
	KRP	EP	ZE 03 15 19
	GNZ	EP	Z 03 15 32
	MJZ	EP	Z 03 16 07
			-0.88
			-0.74
			5.5
			5.7
AUG 11	03	40	34.7
			15.5S 166.9E
			14KM
			6.3 NEW HEBRIDES IS
			H M S
			DIR
			LOG A/T AZ TZ AN TN
			AE TE
			MAG
	KRP	EP	ZE 03 46 08
	F		Z 48 13
	ES		F 50 32.5
	ESCP		Z 53 31
	E		Z 56 25
	ESCS		E 57 20
	GNZ	EP	Z 03 46 21
			0.57
	ES		Z 50 47
	ESCP		Z 53 43
	WEL	EP	ZNF 03 46 37
			0.05
			73 16
			6.9
			151 17 35N 26
			7.4
			372 25 27R 18 184 21
			6.6
			6.6
AUG 11	07	16	45.3
			15.6S 167.1E
			52KM
			5.0 NEW HEBRIDES IS
			H M S
			DIR
			LOG A/T AZ TZ AN TN
			AE TE
			MAG
	KRP	EP	ZE 07 23 55
	GNZ	EP	Z 07 24 07
	WEL	EP	Z 07 24 25
	MJZ	EP	Z 07 24 40
			-0.90
			5.6
			5.9
			5.8
			5.6
AUG 11	08	47	45.5
			15.7S 166.9E
			33KM
			4.4 NEW HEBRIDES IS
			H M S
			DIR
			LOG A/T AZ TZ AN TN
			AE TE
			MAG
	KRP	EP	Z 08 52 58
	GNZ	EP	Z 08 53 09
			-1.10
			-1.16
			5.3
			5.3
AUG 11	10	05	17.9
			15.7S 167.1E
			33KM
			4.5 NEW HEBRIDES IS
			H M S
			DIR
			LOG A/T AZ TZ AN TN
			AE TE
			MAG
	KRP	EP	Z 10 10 29
	GNZ	EP	Z 10 10 41
			-1.39
			-1.09
			5.0
			5.3

AUG 11	H M S			EPICENTRE		DEPTH	MAG	LOYALTY IS				DIST
				H M S	DIR			LOG A/T	AZ	TZ	AN	
	11	22	56	21.7S	170.3E	106KM						
	MNW	EP	Z	11	27	57		-1.24				
	MJZ	EP	Z	11	27	58						
AUG 11	H M S			EPICENTRE		DEPTH	MAG	NEW HEBRIDES IS				DIST
				H M S	DIR			LOG A/T	AZ	TZ	AN	
	19	47	43.4	15.7S	167.0E	32KM	5.2					
	KRP	EP	Z	19	52	52		-0.69				
	GNZ	EP	Z	19	53	04		-0.80				
	WEL	EP	Z	19	53	36		-1.03				
	MJZ	EP	Z	19	53	40						
	MNW	EP	Z	19	53	54		-1.17				
AUG 11	H M S			EPICENTRE		DEPTH	MAG	NEW HEBRIDES IS				DIST
				H M S	DIR			LOG A/T	AZ	TZ	AN	
	19	52	28.4	15.6S	167.0E	23KM	5.6					
	KRP	EP	ZE	19	57	38.5		0.44				
	E		Z		59	01						
	E(S)		Z	20	02	06						
	ESCP		Z		05	07						
	GNZ	EP	Z	19	57	51						
	ES		Z	20	02	25						
	WEL	EP	ZNE	19	58	04		0.09	28	14	10	16
	ES		ZNE	20	02	38			75	18	160	18
	ELQ		E		04							224
	ELR		ZN		05							
	EMAX		ZNE		08				184	17	167	18
	MJZ	EP	Z	19	58	25						
	EPCP		Z	20	01	42						
	ESCP		Z		05	19						
	MNW	EP	Z	19	58	39		-0.91				
AUG 11	H M S			EPICENTRE		DEPTH	MAG	NEW HEBRIDES IS				DIST
				H M S	DIR			LOG A/T	AZ	TZ	AN	
	20	13	59.1	15.7S	167.0E	51KM	6.0					
	KRP	EP	ZE	20	19	05		0.17				
	EPCP		ZE		22	33						
	GNZ	EP	Z	20	19	17		-0.03				
	EPCP		Z		22	45						
	WEL	EP	ZNE	20	19	33		-0.33				
	MJZ	EP	Z	20	19	51						
	EPCP		Z		23	03						
	MNW	EP	Z	20	20	04		-1.07				
AUG 11	H M S			EPICENTRE		DEPTH	MAG	NEW HEBRIDES IS				DIST
				H M S	DIR			LOG A/T	AZ	TZ	AN	
	20	54	10	15.6S	167.1E	95KM	4.2					
	KRP	EP	Z	20	59	12		-1.21				
	GNZ	EP	Z	20	59	25		-0.80				
AUG 11	H M S			EPICENTRE		DEPTH	MAG	NEW HEBRIDES IS				DIST
				H M S	DIR			LOG A/T	AZ	TZ	AN	
	20	55	10.3	15.6S	166.8E	20KM	4.7					
	KRP	EP	ZE	21	00	24		-0.72				
	GNZ	EP	Z	21	00	36		-0.57				
	WEL	EP	ZNE	21	00	54		-0.84				
	MJZ	EP	Z	21	01	10						
	MNW	EP	Z	21	01	20		-1.29				
AUG 11	H M S			EPICENTRE		DEPTH	MAG	NEW HEBRIDES IS				DIST
				H M S	DIR			LOG A/T	AZ	TZ	AN	
	22	31	45.9	15.8S	167.2E	13KM	6.4					
	KRP	IP	ZE	22	36	56		0.61				
	ES		ZE		41	21						

	ESCP	Z	44	24								
	GNZ	EP	Z	22	37	09		0.73				7.2
	WEL	IP	ZNE	22	37	23.4	U	-0.09				6.5
	E		ZNE		38							
	ES		ZNE		42	16						
	ESCP		ZNE		44	35						
	EL		ZNE		45							
	FMAX		ZNE		47							
	ESCS		ZNE		48	18						
	MJZ	IP	Z	22	37	42.7	D					
	ES		Z		43	15						
	ESCP		Z		44	42						
	ESCS		Z		48	42						
	MNW	EP	Z	22	37	56		-0.06				6.7
	AUG 11	KRP	EP	ZE	22	43	32		-0.98			
	GNZ	EP	Z	22	43	45		-0.87				
	AUG 11	KRP	EP	ZE	22	45	56		-1.22			
	GNZ	EP	Z	22	46	09		-1.23				
	AUG 11	KRP	EP	Z	22	56	01		-1.24			
	GNZ	EP	Z	22	56	12		-0.86				
	AUG 11	KRP	EP	Z	22	57	15.5		-0.94			
	GNZ	EP	Z	22	57	27		-0.86				
	WEL	EP	Z	22	57	40		-0.92				
	AUG 11	KRP	EP	Z	22	59	58		-1.39			
	GNZ	EP	Z	23	00	10		-1.04				
	AUG 11	KRP	EP	Z	23	03	53		-0.31			
	GNZ	EP	Z	23	04	07		-0.56				
	WEL	EP	ZNE	23	04	21		-0.45				
	MJZ	EP	Z	23	04	41						
	MNW	EP	Z	23	04	57		-1.29				
	AUG 11	KRP	EP	ZE	23	07	09		-0.95			
	GNZ	EP	Z	23	07	22		-0.91				
	AUG 11	KRP	EP	Z	23	08	55		-1.41			
	GNZ	EP	Z	23	09	06		-0.72				
	AUG 11	KRP	EP	Z	23	18	43		-1.09			
	GNZ	EP	Z	23	18	57		-0.87				
	AUG 11	KRP	EP	ZE	23	31	04		-1.33			
	GNZ	EP	Z	23	31	18		-1.28				
	AUG 11	KRP	E(P)	Z	23	35	39		-1.58			
	AUG 11	KRP	EP	Z	23	43	15		-1.52			
	GNZ	EP	Z	23	43	26		-1.06				
	E		Z			44						
	AUG 11	KRP	E(P)	Z	23	44	51		-1.58			
AUG 11	H M S			EPICENTRE		DEPTH	MAG	NEW HEBRIDES IS				DIST (DEG)
				H M S	DIR			LOG A/T	AZ	TZ	AN	
	23	51	08	16.6S	165.8E	33KM	4.4					26
	KRP	EP	ZE	23	56	01		-1.45				4.9
	GNZ	EP	Z	23	56	13		-1.10				5.3
	AUG 11	KRP	EP	Z	23	57	35		-1.52			
	GNZ	EP	Z	23	57	54		-1.10				
	AUG 12	KRP	EP	Z	00	04	53		-1.52			

H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
			H M S DIR	LOG A/T	AZ TZ AN TN	WEL
AUG 13	11 40	10	16.3S 171.6W	33KM	4.6 SAMOA IS	25
	KRP	IP	ZE 11 45 35.7	U	-0.76	5.7
	MJZ	EP	Z 11 46 33			
AUG 13	11 48	40	16.0S 166.8E	85KM	4.8 NEW HEBRIDES IS	25
	KRP	EP	Z 11 53 40		-1.09	
AUG 13	12 40	08.0	15.9S 166.8E	33KM	5.6 NEW HEBRIDES IS	25
	KRP	EP	ZE 12 45 18		0.48	
		ES	E 49 49			
		E(SCP)	Z 53 00			
		E	Z 15			
	GNZ	EP	Z 12 45 29		-0.87	
		E(*PP)	Z 40			
	WEL	EP	ZNE 12 45 54		-0.01	27 13 12 15
		E(SS)	ZNE 51 04			108 18 99 15
		ELQ	E 52			205 24
		ELR	ZN 53			315 24 323 21
	MJZ	EP	Z 12 46 04			
		EPCP	Z 49 37			
		FSCP	Z 53 23			
	ROX	EP	Z 12 46 13		-1.27	
		E(*PP)	Z 20			
		ESS	Z 51 20			397 18 46 11 40 12
		FLQ	E 53			453 37
		ELP	Z 31			
		EMAX	ZN 55			389 20
			Z 58			620 15
AUG 13	MJZ	EP	Z 12 57 25			
	KRP	EP	Z 12 57 46		-0.75	
AUG 13	KRP	EP	Z 13 15 41		-1.51	
AUG 13	KRP	EP	ZE 13 18 32		-0.79	
	WEL	EP	Z 13 19 03		-0.66	
	MJZ	EP	Z 13 19 21			
AUG 13	KRP	EP	Z 13 30 46		-0.75	
	MJZ	EP	Z 13 31 33			
AUG 13	KRP	EP	Z 13 36 24		-1.39	
AUG 13	KRP	EP	Z 13 52 37		-1.39	
AUG 13	13 53	28	16.0S 166.8E	34KM	4.8 NEW HEBRIDES IS	25
			H M S DIR	LOG A/T	AZ TZ AN TN	WEL
	KRP	EP	Z 13 58 34		-0.93	25
AUG 13	13 59	56	16.1S 167.2E	33KM	NEW HEBRIDES IS	25
			H M S DIR	LOG A/T	AZ TZ AN TN	WEL
	KRP	EP	Z 14 05 07		-1.39	25
MAR 13	14 03	19	15.8S 166.9E	60KM	4.8 NEW HEBRIDES IS	25
			H M S DIR	LOG A/T	AZ TZ AN TN	WEL
	KRP	EP	Z 14 08 24		-1.57	25
	MJZ	EP	Z 14 09 13			25

H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
			H M S DIR	LOG A/T	AZ TZ AN TN	WEL
AUG 13	15 23	20.7	16.9S 167.7E	43KM	4.9 NEW HEBRIDES IS	25
			H M S DIR <td>LOG A/T <td>AZ TZ AN TN <td>WEL </td></td></td>	LOG A/T <td>AZ TZ AN TN <td>WEL </td></td>	AZ TZ AN TN <td>WEL </td>	WEL
	KRP	EP	ZE 15 28 15		-1.09	5.2
	MJZ	EP	Z 15 29 10			
AUG 13	17 56	26.7	16.6S 167.6E	33KM	5.4 NEW HEBRIDES IS	25
			H M S DIR <td>LOG A/T <td>AZ TZ AN TN <td>WEL </td></td></td>	LOG A/T <td>AZ TZ AN TN <td>WEL </td></td>	AZ TZ AN TN <td>WEL </td>	WEL
	KRP	EP	ZE 18 01 24		-0.35	6.0
	GNZ	EP	Z 18 01 37		-0.38	6.0
	WEL	EP	Z 18 01 57		-0.40	6.1
		ES	NE 06 28			12 21 9 24 5.9
		ELQ	E 07 34			71 36
		ELR	ZNE 08			
		EMAX	ZNE 09			65 32 49 28 90 22
	MJZ	EP	Z 18 02 11			
	ROX	EP	Z 18 02 24		-0.65	6.0
		ES	F 07 32			8 17 5.9
		E(SS)	N 08 08			13 24
		ELQ	E 09			
		ELR	ZN 10			49 21
		EMAX	E 11			
			ZN 12			34 19 45 22
AUG 13	18 01	12	16.5S 167.5E	96KM	5.0 NEW HEBRIDES IS	25
			H M S DIR <td>LOG A/T <td>AZ TZ AN TN <td>WEL </td></td></td>	LOG A/T <td>AZ TZ AN TN <td>WEL </td></td>	AZ TZ AN TN <td>WEL </td>	WEL
	KRP	EP	ZE 18 06 05		-0.71	5.6
	MJZ	EP	Z 18 06 51			
	ROX	EP	Z 18 07 04		-0.60	6.0
AUG 13	18 07	26	15.6S 167.0E	33KM	5.4 NEW HEBRIDES IS	26
			H M S DIR <td>LOG A/T <td>AZ TZ AN TN <td>WEL </td></td></td>	LOG A/T <td>AZ TZ AN TN <td>WEL </td></td>	AZ TZ AN TN <td>WEL </td>	WEL
	KRP	EP	Z 18 12 34		-1.01	5.4
AUG 13	18 23	32.1	16.7S 167.6E	33KM	4.6 NEW HEBRIDES IS	25
			H M S DIR <td>LOG A/T <td>AZ TZ AN TN <td>WEL </td></td></td>	LOG A/T <td>AZ TZ AN TN <td>WEL </td></td>	AZ TZ AN TN <td>WEL </td>	WEL
	KRP	EP	Z 18 28 29		-0.92	5.4
AUG 13	19 18	25.1	16.2S 167.0E	12KM	5.2 NEW HEBRIDES IS	26
			H M S DIR <td>LOG A/T <td>AZ TZ AN TN <td>WEL </td></td></td>	LOG A/T <td>AZ TZ AN TN <td>WEL </td></td>	AZ TZ AN TN <td>WEL </td>	WEL
	KRP	EP	Z 19 23 33		-0.69	5.7
AUG 13	20 07	35.7	16.7S 167.9E	33KM	4.9 NEW HEBRIDES IS	25
			H M S DIR <td>LOG A/T <td>AZ TZ AN TN <td>WEL </td></td></td>	LOG A/T <td>AZ TZ AN TN <td>WEL </td></td>	AZ TZ AN TN <td>WEL </td>	WEL
	KRP	EP	Z 20 12 36		-1.39	4.9
AUG 13	20 10	32	17.2S 167.7E	43KM	4.5 NEW HEBRIDES IS	25
			H M S DIR <td>LOG A/T <td>AZ TZ AN TN <td>WEL </td></td></td>	LOG A/T <td>AZ TZ AN TN <td>WEL </td></td>	AZ TZ AN TN <td>WEL </td>	WEL
	KRP	EP	Z 20 15 21		-1.30	5.0
AUG 13	21 57	38.4	6.5S 148.6E	51KM	5.6 NEW BRITAIN	42
			H M S DIR <td>LOG A/T <td>AZ TZ AN TN <td>WEL </td></td></td>	LOG A/T <td>AZ TZ AN TN <td>WEL </td></td>	AZ TZ AN TN <td>WEL </td>	WEL
	KRP	EP	ZE 22 05 06		-1.09	5.7
	GNZ	EP	Z 22 05 25		-0.53	6.2
	MJZ	EP	Z 22 05 30			
		EPCP	Z 07 36			
	ROX	E(*PP)	Z 22 06 01			
		ES	N 12 00			3 16 5.7

		ELR	N	19			
		EMAX	N	22	5 18		
		WEL	Z	22 07 12	6 22 11 23		
		EL	ZNE	16	17 18 8 18 13 18		
		ELR	ZNE	19			
		EMAX	ZNE	23			
H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)			
AUG 14 00 32 03	30.7S 177.9W	33KM	4.7	KERMADEC IS			
		H M S	DIR	LOG A/T	AZ TZ	AN TN	
GNZ EP	Z 00 34 04		-0.74				
ES	Z 35 36						
KRP EP	ZE 00 34 05		-1.40				
ES	ZE 35 52						
ONE EP	E 00 34 16						
WEL ES	ZNE 00 36 56						
MJZ EP	Z 00 35 50						
ES	Z 38 30						
H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)			
AUG 14 07 35 54.8	16.5S 167.7E	33KM	4.9	NEW HEBRIDES IS			
		H M S	DIR	LOG A/T	AZ TZ	AN TN	
KRP EP	Z 07 41 03		-1.34				
H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)			
AUG 14 09 33 09.3	17.9S 167.8E	33KM	4.4	NEW HEBRIDES IS			
		H M S	DIR	LOG A/T	AZ TZ	AN TN	
KRP EP	Z 09 37 54		-1.39				
H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)			
AUG 14 11 07 46.8	15.8S 166.8E	33KM	5.5	NEW HEBRIDES IS			
		H M S	DIR	LOG A/T	AZ TZ	AN TN	
KRP EP	ZE 11 12 55		-0.13				
GNZ EP	Z 11 13 15		-0.66				
MJZ EP	Z 11 13 45						
WEL ES	NE 11 18 00			4 16	4 15		
ELR	E 19				10 32		
ELR	ZN 21				27 17		
EMAX	E 22						
EMAX	Z 23			12 17			
EMAX	N 24				19 15		
H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)			
AUG 14 13 18 06.5	11.5S 166.3E	51KM	5.8	SANTA CRUZ IS			
		H M S	DIR	LOG A/T	AZ TZ	AN TN	
KRP EP	ZE 13 23 51		-1.15				
GNZ EP	Z 13 24 03		-0.94				
E	Z 41						
WEL EP	Z 13 24 16		-0.92				
ELR	E 32						
	ZN 33			4 21	3 21		
EMAX	ZN 35						
MJZ EP	Z 13 24 35						
ROX EP	Z 13 24 47		-0.64				
E	Z 25 11						
H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)			
AUG 14 14 13 50.5	22.9S 175.5E	33KM	4.7	TONGA IS			
		H M S	DIR	LOG A/T	AZ TZ	AN TN	
MJZ EP	Z 14 19 08						
H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)			
AUG 14 14 40 24	19.5S 173.7E	48KM	4.6	TONGA IS			
		H M S	DIR	LOG A/T	AZ TZ	AN TN	
KRP EP	Z 14 45 03		-1.69				
MJZ EP	Z 14 46 15						

H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)		
AUG 14 16 06 46.8	19.6S 178.1W	592KM	4.8	FIJI IS		
		H M S	DIR	LOG A/T	AZ TZ	AN TN
KRP EP	ZE 16 10 34		-0.91			
GNZ EP	Z 16 10 35		-0.76			
WEL EP	ZN 16 11 02		-0.92			
MJZ EP	Z 16 11 39.5					
MNW IP	Z 16 11 58.0	D	-0.69			
H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)		
AUG 14 20 00 06	15.6S 166.7E	33KM	4.7	NEW HEBRIDES IS		
		H M S	DIR	LOG A/T	AZ TZ	AN TN
KRP EP	Z 20 05 25		-1.10			
H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)		
AUG 14 23 11 58.9	17.3S 167.2E	34KM	4.5	NEW HEBRIDES IS		
		H M S	DIR	LOG A/T	AZ TZ	AN TN
KRP EP	Z 23 16 50		-1.39			
H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)		
AUG 15 05 43 44.4	22.3S 179.5W	581KM	4.7	S OF FIJI IS		
		H M S	DIR	LOG A/T	AZ TZ	AN TN
KRP EP	Z 05 47 07		-1.45			
H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)		
AUG 15 11 55 06.0	16.0S 167.0E	63KM	4.6	NEW HEBRIDES IS		
		H M S	DIR	LOG A/T	AZ TZ	AN TN
KRP EP	Z 12 00 29		-1.90			
GNZ EP	Z 12 00 40		-1.23			
H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)		
AUG 15 14 21 06.0	16.8S 167.2E	7KM	4.8	NEW HEBRIDES IS		
		H M S	DIR	LOG A/T	AZ TZ	AN TN
KRP EP	ZE 14 26 05		-0.61			
GNZ EP	Z 14 26 23		-1.10			
WEL ELR	E 14 34			4 19		
ELR	Z 35					
EMAX	Z 37				4 15	
AUG 15 KRP EP	Z 19 53 12		-1.22			
H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)		
AUG 15 19 36 56.5	2.6N 60.2E	42KM	5.1	BRAZIL		
		H M S	DIR	LOG A/T	AZ TZ	AN TN
GNZ E(PXP)	Z 19 55 42					
H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)		
AUG 15 23 05 58.2	15.5S 172.8W	41KM	5.1	SAMOA IS		
		H M S	DIR	LOG A/T	AZ TZ	AN TN
GNZ EP	Z 23 11 14		-1.16			
KRP EP	ZE 23 11 15		-1.21			
MJZ EP	Z 23 12 19					
MNW EP	Z 23 12 41		-1.39			
H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)		
AUG 15 23 47 22	22.3S 170.7E	153KM		LOYALTY IS		
		H M S	DIR	LOG A/T	AZ TZ	AN TN
MJZ E(*PP)	Z 23 52 40.5					
H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)		
AUG 16 13 38 48.5	20.6S 178.8W	550KM	4.6	FIJI IS		
		H M S	DIR	LOG A/T	AZ TZ	AN TN
KRP EP	ZE 13 42 23		-0.95			
WEL EP	ZNE 13 42 51		-1.22			
MJZ EP	Z 13 43 25					

	H M S	EPICENTRE	DEPTH	MAG	DIST
AUG 16	14 43 48,0	6,0S 153,9E	78KM	5,4 NEW BRITAIN	WEL 70
		H M S	DIR	LOG A/T AZ TZ AN TN	AE TE MAG
KRP EP	Z 14 50 57			-1,52	
GNZ EP	Z 14 51 19			-1,04	
AUG 16	14 44 48	17,4S 167,7E	20KM	4,8 NEW HEBRIDES IS	WEL 70
		H M S	DIR	LOG A/T AZ TZ AN TN	AE TE MAG
KRP EP	Z 14 49 39			-1,51	
GNZ EP	Z 14 49 54			-1,23	
WEL EP	Z 14 50 11			-1,33	
AUG 16	15 52 02	19,0S 177,0W	287KM	3,6 FIJI IS	WEL 70
		H M S	DIR	LOG A/T AZ TZ AN TN	AE TE MAG
KRP EP	ZE 15 56 11			-1,50	
GNZ EP	Z 15 56 13			-1,23	
ES	Z 59 39				
WEL EP	ZNE 15 56 43			-1,33	
ES	ZNF 16 00 38				
MJZ EP	Z 15 57 20				
AUG 16	16 37 12,9	19,0S 167,6E	17KM	5,0 NEW HEBRIDES IS	WEL 70
		H M S	DIR	LOG A/T AZ TZ AN TN	AE TE MAG
KRP EP	Z 16 41 50			-1,52	
WEL EP	Z 16 42 28			-1,14	
E(SCS)	Z 53 18				8 6
MJZ EP	Z 16 42 39				
AUG 16	17 01 26	61,4S 154,5E	33KM	BALLENY IS	WEL 70
		H M S	DIR	LOG A/T AZ TZ AN TN	AE TE MAG
MNW EP	Z 17 05 30			-0,32	
ROX EP	ZN 17 05 38			-0,24	3 16
FL	NE 09				
EMAX	NE 10				17 21 9 22
MJZ EP	Z 17 05 57				
WEL EP	ZNE 17 06 37			-0,39	
EL	ZNE 11				
EMAX	ZNE 15				21 17 15 16 22 14
KRP EP	Z 17 07 05			-1,46	
AUG 16	17 47 31,4	17,2S 167,8E	4KM	NEW HEBRIDES IS	WEL 70
		H M S	DIR	LOG A/T AZ TZ AN TN	AE TE MAG
KRP EP	Z 17 52 26			-1,81	
AUG 16	17 51 34,8	17,3S 167,7E	17KM	5,1 NEW HEBRIDES IS	WEL 70
		H M S	DIR	LOG A/T AZ TZ AN TN	AE TE MAG
KRP EP	ZE 17 56 27			-1,09	
GNZ EP	Z 17 56 43			-0,94	
MJZ EP	Z 17 57 31				
AUG 16	22 59 22,9	17,3S 167,8E	34KM	5,3 NEW HEBRIDES IS	WEL 70
		H M S	DIR	LOG A/T AZ TZ AN TN	AE TE MAG
MJZ EP	Z 23 04 03				
E(*PP)	Z 19				
KRP EP	ZE 23 04 13			-1,09	
GNZ EP	Z 23 04 28			-1,04	

DISTANT EARTHQUAKES

	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
AUG 17	07 36 10	12,3N 125,6E	17KM	PHILIPPINE IS	WEL 70
		H M S	DIR	LOG A/T AZ TZ AN TN	AE TE MAG
MJZ EP	Z 07 47 19				
KRP EP	Z 07 47 28				
AUG 17	07 40 41,2	12,4N 125,5E	33KM	5,3 PHILIPPINE IS	WEL 70
		H M S	DIR	LOG A/T AZ TZ AN TN	AE TE MAG
MJZ EP	Z 07 51 56				
KRP EP	Z 07 52 06			-1,69	5,5
AUG 17	08 06 05	12,3N 125,6E	83KM	5,0 PHILIPPINE IS	WEL 70
		H M S	DIR	LOG A/T AZ TZ AN TN	AE TE MAG
MJZ EP	Z 08 17 07				
KRP EP	Z 08 17 16				
AUG 17	10 35 04,4	5,3N 96,2E	43KM	5,4 NORTHERN SUMATRA	WEL 85
		H M S	DIR	LOG A/T AZ TZ AN TN	AE TE MAG
KRP EP	ZE 10 47 37,5			-1,09	6,1
WEL ELO	N 11 12				26 50
ELP	ZE 16				
EMAX	ZNE 19				13 29 6 30 12 28
MJZ EP	Z 10 47 24				
AUG 17	11 14 10,4	5,2S 152,6E	47KM	5,8 NEW BRITAIN	WEL 41
		H M S	DIR	LOG A/T AZ TZ AN TN	AE TE MAG
KRP EP	Z 11 21 34			-1,58	5,2
GNZ EP	Z 11 21 51			-1,04	5,7
MJZ EP	Z 11 22 07				
AUG 17	12 14 30,9	20,6S 177,8W	501KM	4,2 FIJI IS	WEL 22
		H M S	DIR	LOG A/T AZ TZ AN TN	AE TE MAG
KRP EP	ZE 12 18 13,3			-0,97	5,5
GNZ EP	Z 12 18 14			-0,99	5,5
AUG 17	13 04 31,6	6,7S 147,0E	95KM	5,4 E NEW GUINEA	WEL 42
		H M S	DIR	LOG A/T AZ TZ AN TN	AE TE MAG
KRP EP	Z 13 12 02			-1,56	5,2
GNZ EP	Z 13 12 17			-1,16	5,6
WEL EP	Z 13 12 17			-0,82	6,0
MJZ EP	Z 13 12 18				
AUG 17	13 16 13,9	51,8N 175,3W	51KM	5,2 ALEUTIAN IS	WEL 93
		H M S	DIR	LOG A/T AZ TZ AN TN	AE TE MAG
KRP EP	Z 13 29 22			-1,69	5,7
AUG 17	16 17 41,5	15,2S 166,6E	19KM	5,8 NEW HEBRIDES IS	WEL 27
		H M S	DIR	LOG A/T AZ TZ AN TN	AE TE MAG
KRP EP	ZE 16 22 58			-0,19	6,3
GNZ EP	Z 16 23 12			-1,06	5,5
MJZ EP	Z 16 23 45				
E(PCP)	Z 26 48				
WEL E	Z 16 28 21				
ELR	ZNE 31				
EMAX	E 32				13 19
EMAX	ZN 33				11 19 7 18

H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
AUG 17	16 25	11.5	15.3S 167.7E	222KM	4.2 NEW HEBRIDES IS	WEL 27
			H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP	EP	Z	16 30 04		-1.39	
AUG 17	17 29	51	15.7S 166.6E	104KM	4.2 NEW HEBRIDES IS	WEL 27
			H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP	EP	Z	17 35 00		-1.73	
AUG 17	17 36	08	15.6S 166.4E	27KM	4.2 NEW HEBRIDES IS	WEL 27
			H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP	EP	Z	17 41 23		-1.86	
AUG 17	20 57	03.4	15.3S 166.6E	33KM	4.5 NEW HEBRIDES IS	WEL 27
			H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP	EP	Z	21 02 19			
AUG 17	22 07	43	16.9S 173.4W	163KM	4.0 TONGA IS	WEL 26
			H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP	EP	ZE	22 12 35		-1.30	
MJZ	EP	Z	22 13 47			
AUG 17	22 18	52.5	20.4S 166.8E	33KM	5.2 LOYALTY IS	WEL 16
			H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP	EP	ZE	22 23 07		-1.01	
GNZ	EP	Z	22 23 20		-1.18	
WEL	EP	Z	22 23 55			3 15 3 14
ES	ES	NE	27 45			
ELO	E	E	28 40			7 14
EMAX	E	ZN	30			
ELR	ZN	ZN	33			7 14 5 15
EMAX	ZN	Z	22 24 07			
MJZ	EP	Z	22 24 07			
AUG 18	03 19	43.2	15.2S 166.6E	42KM	4.8 NEW HEBRIDES IS	WEL 26
			H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP	EP	Z	03 24 58		-1.10	
GNZ	EP	Z	03 25 14		-1.23	
AUG 18	05 56	54.9	17.3S 167.6E	26KM	4.7 NEW HEBRIDES IS	WEL 26
			H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP	EP	Z	06 01 46		-1.22	
GNZ	EP	Z	06 02 02		-1.26	
AUG 18	08 10	27	16.2S 167.2E	33KM	NEW HEBRIDES IS	WEL 26
			H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP	EP	Z	08 15 34		-1.52	
E*PP	Z	Z	44.5			
AUG 18	14 51	30.5	16.1S 166.9E	11KM	5.7 NEW HEBRIDES IS	WEL 26
			H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP	EP	ZE	14 54 40		0.01	
GNZ	EP	Z	14 56 50		-0.76	
WEL	EP	Z	14 57 08		-0.30	14 19 22 24 12 27 33 24
ES	ZNE	ZNE	15 01 48			
ELO	E	E	03			
ELR	ZNE	ZNE	04			

DISTANT EARTHQUAKES

H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
						72 18 54 17 62 17
MJZ	EP	Z	14 57 26.5			
E	Z	Z	15 00 40			
ROX	ES	NE	15 02 30			19 19 8 20
ELO	E	E	04			
ELR	ZN	ZN	05			48 16 43 19 36 22
EMAX	ZNE	ZNE	08			
AUG 18	23 40	54	16.8S 172.8W	33KM	4.5 SAMOA IS	WEL 27
			H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP	IP	ZE	23 46 02.4 D		-1.21	
AUG 19	MJZ	E(P)	Z	00 03 53		
E	Z	Z	04 03			
E	Z	Z	44			
MNW	E(P)	Z	00 04 15		-1.48	
AUG 19	KRP	EP	Z	06 01 58		-1.28
AUG 19	09 07	13.9	16.2S 167.2E	25KM	4.5 NEW HEBRIDES IS	WEL 26
			H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP	EP	Z	09 12 21.5		-1.24	5.1
GNZ	EP	Z	09 12 32		-1.23	5.2
AUG 19	13 51	45.7	25.7S 178.9W	321KM	4.6 S OF FIJI IS	WEL 16
			H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
GNZ	EP	Z	13 54 59		-1.31	
ES	Z	Z	57 27			
KRP	EP	Z	13 55 00		-1.45	
AUG 19	19 08	05.2	15.8S 166.5E	66KM	NEW HEBRIDES IS	WEL 26
			H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP	EP	Z	19 13 14		-1.52	4.8
AUG 19	19 47	23.2	30.3N 138.5E	439KM	5.2 S OF HONSHU	WEL 79
			H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP	IP	Z	19 58 27.2 D		-1.31	5.4
AUG 20	05 54	50.5	5.7S 128.6E	327KM	6.2 BANDA SEA	WEL 54
			H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
MJZ	IP	Z	06 03 35.8 D			
E*PP	Z	Z	04 49			
E(SCS)	Z	Z	12 59			
ROX	EP	Z	06 03 36		-0.15	6.3
E*PP	NE	NE	04 50			8 16 14 26 6.2
ES	NE	NE	10 38			15 14
E(SCS)	NE	NE	12 40			10 16 17 20
ESS	N	N	15 13			53 26 30 22
E(L)	NE	NE	16 40			
KRP	IP	ZE	06 03 39.0 DF		0.06	6.5
ESCP	Z	Z	08 07			
ES	E	E	10 48			
WEL	EP	ZNE	06 03 44		0.02	6.5
E	Z	Z	04 05			
E	E	E	19			
E*PP	ZN	ZN	55			6 12
E*SP	Z	Z	05 27			8 16
EPP	Z	Z	06 53			7 17
ES	ZNE	ZNE	10 52			6 10 10 10 10 10 6.4
ESS	NE	NE	15 08			6 10 9 24
E(L)	ZNE	ZNE	17			20 26 24 22 18 19

		Z	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)		
		Z	H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG
	GNZ EP	Z	06 03 52			0.56			
	FS	Z	11 04						
AUG 20	H M S			EPICENTRE	DEPTH	MAG	DIST (DEG)		
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE
	KRP EP	Z	08 41 50			-1.41			
	MJZ EP	Z	08 41 52						
AUG 20	H M S			EPICENTRE	DEPTH	MAG	DIST (DEG)		
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE
	WEL EP	Z	09 56 05						
	EPP	Z	10 00 08				2 24		
	E(S)	Z	07 50						
	ESP	Z	09 06				3 25		
	FLR	ZE	26						
	EMAX	ZE	28				6 34		
	MJZ EP	Z	09 56 10						
	E*PP	Z	42						
	KRP EP?	Z	09 56 11						
AUG 20	H M S			EPICENTRE	DEPTH	MAG	DIST (DEG)		
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE
	MJZ EP	Z	15 06 36						
AUG 20	H M S			EPICENTRE	DEPTH	MAG	DIST (DEG)		
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE
	GNZ EP	Z	21 25 35			-0.14			
	ES	Z	28 29						
	KRP EP	Z	21 25 38			-1.71			
	E	ZE	42						
	ES	ZE	28 51						
	E	Z	29 23						
	WEL EP	ZNE	21 26 15			-0.44			
	FS	ZNE	29 42						
	FLO	NE	30				24 36	36 29	
	FLR	ZNE	32				23 23	17 24	20 24
	ESCS	Z	37 42						
	E(SCS)	NE	46						
	MJZ EP	Z	21 26 53						
	ES	Z	31 03						
	ESCP	Z	34 13						
	ROX EP	Z	21 27 14			-1.03			
	ES	NE	31 28				3 18		
	ELO	NE	33				11 36	26 34	
	EMAX	NE	35				14 20	24 22	
AUG 20	KRP EP	Z	23 48 54			-1.30			
AUG 21	H M S			EPICENTRE	DEPTH	MAG	DIST (DEG)		
				H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE
	GNZ EP	Z	01 09 47			-0.53			
	ES	Z	11 05						
	ONE EP	E	01 09 58						
	KRP EP	ZE	01 09 59			-0.95			
	MJZ EP	Z	01 11 36						
	ES	Z	14 01						
	ROX EP	Z	01 12 01			-1.05			
	WEL ES	ZNE	01 12 29						

		Z	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)		
		Z	H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG
AUG 21	H M S			EPICENTRE	DEPTH	MAG	DIST (DEG)		
				H M S	DIR <td>LOG A/T</td> <td>AZ TZ</td> <td>AN TN</td> <td>AE TE</td>	LOG A/T	AZ TZ	AN TN	AE TE
	KRP EP	Z	03 17 52,8			4.5	S OF FIJI IS		20
	GNZ EP	Z	03 21 16			-1.51			4.9
		Z	03 21 17			-1.23			5.2
AUG 21	H M S			EPICENTRE	DEPTH	MAG	DIST (DEG)		
				H M S	DIR <td>LOG A/T</td> <td>AZ TZ</td> <td>AN TN</td> <td>AE TE</td>	LOG A/T	AZ TZ	AN TN	AE TE
	MJZ EP	Z	05 13 07			5.2	BANDA SEA		52
	MWV EP	Z	05 21 48			-1.34			5.3
		Z	05 21 43						
AUG 21	H M S			EPICENTRE	DEPTH	MAG	DIST (DEG)		
				H M S	DIR <td>LOG A/T</td> <td>AZ TZ</td> <td>AN TN</td> <td>AE TE</td>	LOG A/T	AZ TZ	AN TN	AE TE
	KRP EP	Z	06 06 33			4.6	NEW HEBRIDES IS		28
		Z	06 06 33						
AUG 21	H M S			EPICENTRE	DEPTH	MAG	DIST (DEG)		
				H M S	DIR <td>LOG A/T</td> <td>AZ TZ</td> <td>AN TN</td> <td>AE TE</td>	LOG A/T	AZ TZ	AN TN	AE TE
	KRP EP	Z	08 13 10			-1.81			5.0
	GNZ EP	Z	08 13 24			-1.40			5.4
AUG 21	H M S			EPICENTRE	DEPTH	MAG	DIST (DEG)		
				H M S	DIR <td>LOG A/T</td> <td>AZ TZ</td> <td>AN TN</td> <td>AE TE</td>	LOG A/T	AZ TZ	AN TN	AE TE
	KRP EP	Z	10 10 42			4.5	NEW HEBRIDES IS		27
		Z	10 16 02			-1.75			4.6
AUG 21	H M S			EPICENTRE	DEPTH	MAG	DIST (DEG)		
				H M S	DIR <td>LOG A/T</td> <td>AZ TZ</td> <td>AN TN</td> <td>AE TE</td>	LOG A/T	AZ TZ	AN TN	AE TE
	KRP EP	Z	12 59 10			4.9	FIJI IS		24
		Z	13 03 18			-1.51			5.0
	GNZ EP	Z	13 03 19			-1.28			5.2
	MJZ EP	Z	13 04 18						
AUG 21	H M S			EPICENTRE	DEPTH	MAG	DIST (DEG)		
				H M S	DIR <td>LOG A/T</td> <td>AZ TZ</td> <td>AN TN</td> <td>AE TE</td>	LOG A/T	AZ TZ	AN TN	AE TE
	MJZ EP	Z	15 04 20,3			5.4	S SUMATRA		72
		Z	15 15 21						
	KRP EP	Z	15 15 40						
AUG 21	H M S			EPICENTRE	DEPTH	MAG	DIST (DEG)		
				H M S	DIR <td>LOG A/T</td> <td>AZ TZ</td> <td>AN TN</td> <td>AE TE</td>	LOG A/T	AZ TZ	AN TN	AE TE
	KRP EP	ZE	18 54 18			-1.37			5.1
	GNZ EP	Z	18 54 26			-1.16			5.4
	MJZ EP	Z	18 55 16						
AUG 21	H M S			EPICENTRE	DEPTH	MAG	DIST (DEG)		
				H M S	DIR <td>LOG A/T</td> <td>AZ TZ</td> <td>AN TN</td> <td>AE TE</td>	LOG A/T	AZ TZ	AN TN	AE TE
	GNZ E(P)	Z	19 32 10			-0.93			
	MJZ E(P)	Z	19 32 17,5						
	WEL E(S)	NE	19 33 31						
AUG 21	H M S			EPICENTRE	DEPTH	MAG	DIST (DEG)		
				H M S	DIR <td>LOG A/T</td> <td>AZ TZ</td> <td>AN TN</td> <td>AE TE</td>	LOG A/T	AZ TZ	AN TN	AE TE
	GNZ EP?	Z	21 21 51			-1.38			
	E(S)	Z	23 37,5						
	WEL E(S)	ZNE	21 23 05						
	MJZ E(S)	Z	21 23 36						
AUG 21	H M S			EPICENTRE	DEPTH	MAG	DIST (DEG)		
				H M S	DIR <td>LOG A/T</td> <td>AZ TZ</td> <td>AN TN</td> <td>AE TE</td>	LOG A/T	AZ TZ	AN TN	AE TE
	KRP EP	Z	23 18 23			-1.33			5.1
	GNZ EP	Z	23 18 35			-1.26			5.2

H	M	S	EPICENTRE	DEPTH	MAG	DIST
AUG 22	03	48	28.0S 176.2W	33KM	5.2	KERMADEC IS
			H M S	DIR	LOG A/T	AZ TZ AN TN AE TE
KRP	EP	Z	03 51 59		-1.72	
GNZ	ES	Z	03 53 17			
WEL	ES	NE	03 54 52			
	EL	ZNE	56			
	MAX	ZNE	59			7 17 8 13 5 13
AUG 22	10	39	29.0S 175.8W	17KM	5.2	KERMADEC IS
			H M S	DIR	LOG A/T	AZ TZ AN TN AE TE
GNZ	EP	Z	10 42 16		-1.01	
	ES	Z	44 05			
KRP	EP	ZE	10 42 25.5		-1.50	
WEL	EP	ZNE	10 43 17		-0.25	
	ES	ZNE	45 29			
MNW	EP	Z	10 44 25		-1.30	
	ES	Z	48 10			
AUG 23	06	46	21.5S 179.0W	555KM		FIJI IS
			H M S	DIR	LOG A/T	AZ TZ AN TN AE TE
KRP	EP	Z	06 50 14		-1.63	
AUG 23	14	21	01		-1.09	
	E	Z	06			
KRP	IP	ZE	14 21 21.9 D		-1.31	
ONE	EP	E	14 21 47.0			
AUG 23	14	08	40.7N 26.1E	33KM	5.2	TURKEY
			H M S	DIR	LOG A/T	AZ TZ AN TN AE TE
MNW	EPKP	Z	14 28 56			
MJZ	EPKP	Z	14 29 03			
KRP	EPKP	Z	14 29 14			
AUG 23	17	13	10.4S 161.3E	78KM	5.3	SOLOMON IS
			H M S	DIR	LOG A/T	AZ TZ AN TN AE TE
MJZ	EP	Z	17 20 11			
MNW	EP	Z	17 20 21		-1.16	
AUG 23	19	46	16.3N 95.8W	20KM	6.9	MEXICO
			H M S	DIR	LOG A/T	AZ TZ AN TN AE TE
WEL	EP	Z	19 59 52			11 19
	EPP	ZNE	20 03 48			17 24 5 22 10 20
	EPPP	Z	06 02			6 24
	E	Z	09 18			7 26
	ESKS	ZNE	10 28			23 22 23 21 54 10
	ES	ZE	11 30			17 23
	ESP	ZNE	12 38			63 26 20 16 09 10
	ESS	ZE	18 17			59 32 60 10
	ELR	ZNE	32			137 27 68 27 123 27
ROX	EP	ZE	20 00 14			6 18 3 10
	EPP	ZNE	04 14			3 20 8 10
	ESKS	NE	10 43			19 24 8 10
	ESP	ZNE	13 43			22 27 6 10
	ESS	ZNE	19 52			19 18 35 28 124 27
	ELQ	N	29 27			131 41 88 27
	ELR	ZNE	34			61 26 60 22 88 27

H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
AUG 23	21	29	30.8S 177.9W	36KM	4.8	KERMADEC IS
			H M S	DIR	LOG A/T	AZ TZ AN TN AE TE MAG
ONE	EP	E	21 32 03			
KRP	EP	ZE	21 32 07		-1.45	
GNZ	EP	Z	21 32 27		-0.77	
	ES	Z	33 31			
MJZ	EP	Z	21 33 44			
	ES	Z	36 15			
WEL	ES	ZNE	21 34 50			
AUG 23	22	09	3.7S 151.4E	6KM	5.3	NEW IRELAND
			H M S	DIR	LOG A/T	AZ TZ AN TN AE TE MAG
KRP	EP	ZE	22 17 30		-1.03	5.7
GNZ	EP	Z	22 17 44		-0.86	5.9
MJZ	EP	Z	22 17 53			
MNW	EP	Z	22 17 58			
AUG 24	07	06	21.9S 177.2W	291KM	5.7	FIJI IS
			H M S	DIR	LOG A/T	AZ TZ AN TN AE TE MAG
GNZ	EP	Z	07 10 30		-0.49	5.8
	ES	Z	13 34			
KRP	EP	ZE	07 10 33		-0.40	5.9
	F+PP	Z	11 21			
	ES	ZE	13 41			
WEL	EP	ZNE	07 11 07		-0.43	5.9
	FS	ZNE	14 38			
MJZ	EP	Z	07 11 41			
	F+PP	Z	12 34			
	E(S)	Z	15 15			
	F	Z	54			
AUG 24	14	03	3.2S 141.0E	54KM	5.5	NEW GUINEA
			H M S	DIR	LOG A/T	AZ TZ AN TN AE TE MAG
KRP	EP	Z	14 11 42		-1.52	5.4
MJZ	EP	Z	14 11 58			
AUG 24	15	46	3.9S 151.3E	33KM		NEW IRELAND
			H M S	DIR	LOG A/T	AZ TZ AN TN AE TE MAG
KRP	EP	Z	15 54 33		-1.39	5.4
AUG 24	19	26	10.9S 162.4E	66KM	5.1	SOLOMON IS
			H M S	DIR	LOG A/T	AZ TZ AN TN AE TE MAG
KRP	EP	Z	19 32 31		-1.39	5.2
MJZ	EP	Z	19 33 10			
AUG 24	22	22	25.0S 179.1W	393KM	4.4	S OF FIJI IS
			H M S	DIR	LOG A/T	AZ TZ AN TN AE TE MAG
GNZ	EP	Z	22 25 22		-0.98	
	ES	Z	27 51			
MJZ	EP	Z	22 26 33			
	ES	Z	30 12			
WEL	ES	ZNE	22 28 52			
AUG 25	03	00	19.9S 176.1W	261KM	4.5	FIJI IS
			H M S	DIR	LOG A/T	AZ TZ AN TN AE TE MAG
MJZ	EP	Z	03 05 48			

	H M S	EPICENTRE	DEPTH	MAG		DIST
AUG 26	06 55 58	16.7S 166.9E	33KM		NEW HEBRIDES IS	WEL 26
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP EP	Z	07 01 09		-1.39		
AUG 26	10 17 22.2	15.5S 167.2E	38KM	4.3	NEW HEBRIDES IS	WEL 24
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP EP	Z	10 22 32		-1.45		
AUG 27	06 33 37	15.9S 174.2W	128KM	3.8	TONGA IS	WEL 27
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP EP	Z	06 38 41		-1.71		
AUG 27	GNZ E(P)	Z	16 46 49	-0.75		
	KRP E(P)	ZE	16 46 55	-1.43		
	WEL E(P)	Z	16 46 56	-0.78		
	E(S)	E	49 03			
AUG 27	18 22 07.0	44.6N 149.1E	75KM	5.4	KURILF IS	WEL 26
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
MJZ EP	Z	18 35 01				
AUG 28	23 59 00	15.9S 173.1W	44KM	4.3	TONGA IS	WEL 23
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
GNZ EP	Z	24 03 38		-1.10		
KRP EP	Z	24 04 06		-1.71		
AUG 29	08 41 55.1	21.2S 179.2W	615KM	5.0	FIJI IS	WEL 25
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP EP	Z	08 45 25		-1.28		
GNZ EP	Z	08 45 26		-1.01		
WEL EP	ZNE	08 45 54.5		-0.96		
MJZ EP	Z	08 46 27				
AUG 29	10 31 27.4	4.1S 140.2E	32KM	5.5	W NEW GUINEA	WEL 26
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP EP	Z	10 39 59.5		-1.52		
MJZ EP	Z	10 40 05				
WEL EP	Z	10 40 07		-1.20		
AUG 29	12 46 30.1	15.7S 167.6E	10KM	6.0	NEW HEBRIDES IS	WEL 25
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP EP	ZE	12 51 37		-0.09		
GNZ EP	Z	12 51 53		-0.75		
WEL EP	Z	12 52 12		-0.38	2 8	
ES	ZNE	56 50			3 16 4 20	3 24
EL	ZNE	58				
MAX	N	59				12 23
MAX	ZE	13 00			14 23	32 20
MJZ EP	Z	12 52 30				
AUG 29	12 55 35.9	15.8S 167.6E	33KM	5.8	NEW HEBRIDES IS	WEL 26
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP EP	Z	13 00 41		-1.22		
GNZ EP	Z	13 00 54		-0.86		
MJZ EP	Z	13 01 40				

	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
AUG 29	13 47 47	15.9S 167.6E	3KM	4.4	NEW HEBRIDES IS	WEL 26
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP EP	Z	13 53 04		-1.27		5.2
AUG 29	13 57 23.5	17.6S 179.1W	614KM	5.6	FIJI IS	WEL 24
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP EP	ZE	14 01 23.5		-0.47		6.0
E(PCP)	E	04 51				
GNZ EP	Z	14 01 24		-0.27		6.2
ES	Z	04 40				
WEL EP	Z	14 01 52		-0.53		6.0
MJZ EP	Z	14 02 22				
ES	Z	06 29				
AUG 29	14 08 02.2	15.8S 167.6E	11KM	4.7	NEW HEBRIDES IS	WEL 26
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP EP	Z	14 13 18.5				
GNZ EP	Z	14 13 29		-1.23		5.3
AUG 29	17 25 24	19.6S 176.2W	311KM	4.6	FIJI IS	WEL 23
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP EP	Z	17 29 31				
GNZ EP	Z	17 29 32		-1.23		5.0
AUG 29	18 31 24.6	15.7S 167.6E	14KM	5.1	NEW HEBRIDES IS	WEL 24
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP EP	Z	18 37 01		-1.52		4.9
AUG 30	00 56 07.2	16.9S 167.2E	20KM	5.0	NEW HEBRIDES IS	WEL 25
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP EP	ZE	01 01 05		-0.62		5.7
GNZ EP	Z	01 01 20		-0.79		5.6
MJZ EP	Z	01 01 55				
WEL ES	ZE	01 05 52			1 12	3 11 5.6
ELQ	NE	09			7 15	7 18
ELR	Z	10			8 15	
AUG 30	01 26 05.2	16.9S 167.6E	33KM	4.7	NEW HEBRIDES IS	WEL 25
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP EP	ZE	01 31 01		-0.61		5.7
GNZ EP	Z	01 31 14		-1.16		5.2
AUG 30	02 16 39.9	17.1S 167.2E	18KM	4.9	NEW HEBRIDES IS	WEL 25
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP EP	ZE	02 21 37		-0.76		5.6
GNZ EP	Z	02 21 48		-1.28		5.1
AUG 30	03 32 01.5	16.9S 167.4E	10KM	5.5	NEW HEBRIDES IS	WEL 25
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
KRP EP	ZE	03 37 00		-0.02		6.3
GNZ EP	Z	03 37 14		-0.72		5.7
WEL EP	Z	03 37 31		-0.36		6.2
ES	ZNE	41 50			3 13	4 16 8 14 5.8
ELQ	NE	44			7 15	8 19
ELR	Z	45			8 15	
MJZ EP	Z	03 37 47				

	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
AUG 30	03 48 00	16.8S 167.4E	12KM		NEW HEBRIDES IS
		H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP EP	Z 03 53 00		-1.33	
	GNZ EP	Z 03 53 14		-1.28	
AUG 30	05 44 51.0	16.8S 167.5E	10KM	4.5	NEW HEBRIDES IS
		H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP EP	ZE 05 49 50		-1.09	
	GNZ EP	Z 05 50 04		-1.04	
AUG 30	09 28 19.3	8.8S 117.5E	39KM	5.1	SUMBAWA IS
		H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	MJZ EP	Z 09 38 07.5			
	KRP EP	Z 09 38 21		-1.39	
	WEL EP	Z 09 38 21.5		-0.98	
AUG 30	14 00 55.5	5.5N 125.9E	118KM	5.4	PHILIPPINE IS
		H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	MJZ EP	Z 14 11 16			
AUG 30	18 09 45.2	6.4S 104.8E	81KM	6.1	SUNDA STRAIT
		H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	MJZ EP	Z 18 20 38			
	KRP EP	Z 18 20 57		-1.47	
AUG 31	07 29 45.8	39.3N 40.8W	10KM	5.1	TURKEY
		H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP EPKP	Z 07 49 24			
AUG 31	16 36 35.8	15.5S 166.8E	33KM	5.6	NEW HEBRIDES IS
		H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP EP	ZE 16 41 47		-0.08	
	GNZ EP	Z 16 42 00		-0.87	
	MJZ EP	Z 16 42 31.5			
AUG 31	17 43 20.2	16.1S 167.2E	10KM	4.4	NEW HEBRIDES IS
		H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP EP	Z 17 48 30		-1.52	
AUG 31	19 43 14.2	17.1N 145.2E	334KM	5.2	MARIANA IS
		H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP EP	Z 19 53 00		-1.52	
AUG 31	22 44 14.0	8.0S 173.1W	33KM	4.8	TONGA IS
		H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP EP	Z 22 49 08		-1.39	
	MJZ EP	Z 22 50 23.5			
SEP 01	06 38 36.2	14.5S 167.4E	190KM	5.6	NEW HEBRIDES IS
		H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP P	Z 06 43 39	U		
	E	Z 43			
	E(+PP)	Z 44 21			
	(PP)	Z 45			
	ECZ EP	Z 06 43 49			

	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
MJZ EP	Z 06 44 26				
WEL PCP	Z 47 27				
ROX P	Z 06 44 36.9	U		-0.48	6.2
MNW EP	Z 06 44 38				
SEP 01	07 33 28.0	18.8S 172.5W	44KM	5.0	TONGA IS
		H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP P	Z 07 38 20			
	WEL EP?	Z 07 39 03			
	MJZ P	Z 07 39 36			
	E	Z 59			
	MNW EP	Z 07 39 58		-1.56	5.2
SEP 01	16 31 17.6	17.0S 177.6W	424KM	4.7	FIJI IS
		H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP P	Z 16 35 37	U		
	TNZ EP	Z 16 35 52			
	MJZ EP	Z 16 36 39			
	ROX EP	Z 16 36 54			
	MNW P	Z 16 37 01.5		-0.91	5.5
SEP 01	20 07 26.5	20.3S 173.6W	63KM	5.0	TONGA IS
		H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP E(P)	Z 20 11 55			
	MJZ EP?	Z 20 13 07			
SEP 01	22 29 14.4	15.8S 167.2E	21KM	4.2	NEW HEBRIDES IS
		H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP P	Z 22 34 24			
	GNZ P	Z 22 34 36			
SEP 01	23 52 34.7	18.2S 177.9W	609KM	4.3	FIJI IS
		H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP P	Z 23 56 34.5			
	MJZ P	Z 23 57 34			
SEP 02	03 01 43.7	16.4S 167.1E	13KM	4.6	NEW HEBRIDES IS
		H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP P	Z 03 06 48			
	GNZ EP	Z 03 07 01			
	MJZ E(P)	Z 03 07 33			
SEP 02	04 26 36.7	52.0N 175.5E	24KM	5.7	ALEUTIAN IS
		H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP EP?	Z 04 39 27			
SEP 02	23 09 03.8	16.3S 167.2E	19KM	5.3	NEW HEBRIDES IS
		H M S DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP EP	E 23 14 07.5			
	TNZ P	Z 23 14 18			
	GNZ P	Z 23 14 19.5	D		
	WEL EP	Z 23 14 20		-1.01	5.5
	ROX P	Z 23 14 35.5		-0.65	5.9
	MNW P	Z 23 15 05.5			
		Z 23 15 08.5		-1.86	4.8

	H	M	S	EPICENTRE	DEPTH	MAG												
SEP 03	02	23	37,8	23,5S 179,8W	532KM	4,9	FIJI IS											
	ECZ	EP	Z	02 24 29														
SEP 03	10	36	03,1	12,9S 166,6E	185KM		SANTA CRUZ IS											
	CNZ	P	Z	10 41 29,5														
	MJZ	EP	Z	10 42 03														
SEP 03	11	59	07,3	6,4N 125,9E	87KM	4,7	PHILIPPINE IS											
	MJZ	P	Z	12 09 35														
SEP 03	20	33	37,1	16,0S 167,4E	48KM	4,5	NEW HEBRIDES IS											
	GNZ	EP	Z	20 38 52														
	CNZ	EP	Z	20 38 52														
SEP 03	21	38	53,8	5,3S 153,7E	54KM	5,9	NEW IRELAND											
	KRP	P	Z	21 46 10,1 U														
		*PP	Z	19,5														
	CNZ	P	Z	21 46 19,0 D														
		*PP	Z	29														
	GNZ	P	Z	21 46 23,7		-0,79												
		E*PP	Z	32														
	MJZ	P	Z	21 46 35,5														
SEP 04	07	48	43,9	52,0N 170,4W	28KM	5,3	ALEUTIAN IS											
	KRP	E(P)	Z	08 01 45														
SEP 04	10	19	50,5	46,7N 153,4E	23KM	5,5	KURILE IS											
	KRP	E(P)	Z	10 32 38														
	MJZ	EP	Z	10 33 01														
SEP 04	14	32	46,7	58,2N 152,7W	10KM	6,2	KODIAK IS											
	WEL	E(P)	Z	14 47 08														
		EPP	Z	51 15														
		ESKS	ZN	57 23			3 26	12 26										
		E(S)	E	58 30														
		ESP	ZN	15 00 06			8 25	19 30										
		ESS	EN	05 38														
		E	Z	06 30														
		SSS	E	09														
		LQ	EN	15 23														
		LR	ZNE	21														
		MAX	ZNE	24			80 26											
		MAX	ZN	28			48 22	30 22	23 21									
	KRP	EPP	Z	14 50 56														
	MJZ	E	Z	14 51 19														
	ROX	SKS	N	14 57 50					12 28									
		E	E	59 30														
		LQ	E	15 18														
		LR	NZ	23														
		MAX	ZN	32			30 20	28 20										

DISTANT EARTHQUAKES

	H	M	S	EPICENTRE	DEPTH	MAG												
SEP 04	21	26	42,0	16,6S 172,4W	19KM	4,7	SAMOA IS											
	KRP	E(P)	Z	21 32 00														
	MJZ	E(P)	Z	21 33 08														
SEP 04	21	37	27,5	36,0S 98,7W	35KM	5,2	S PACIFIC OCEAN											
	KRP	E(P)	Z	21 48 08														
	MJZ	EP	Z	21 48 13														
	WEL	ES	ZE	21 56 54					2 25	5,6								
		LR	ZE	22 07														
		MAX	ZE	10					3 19									
SEP 05	11	31	16,9	17,7S 178,6W	573KM	5,0	FIJI IS											
	KRP	P	Z	11 35 20,8 U														
	WEL	P	Z	11 35 48		-0,98												
	MJZ	P	Z	11 36 19														
	ROX	EP	Z	11 36 33														
	MNW	P	Z	11 36 42														
SEP 05	12	15	20,0	24,1S 179,9E	570KM	3,9	FIJI IS											
	KRP	EP	Z	12 18 22														
	WEL	P	Z	12 18 50		-1,13												
	MJZ	E(P)	Z	12 19 24														
SEP 05	21	22	36,5	20,4S 178,3W	558KM	4,9	FIJI IS											
	KRP	P	Z	21 26 18,5 U														
	WEL	EP	Z	21 26 45		-0,79												
	MJZ	EP	Z	21 27 20														
	MNW	P	Z	21 27 43		-1,64												
SEP 05	22	17	41,0	5,2S 127,4E	319KM		BANDA SEA											
	MJZ	P	Z	22 26 35														
SEP 05	23	20	41,1	16,9S 172,2W	33KM	4,6	SAMOA IS											
	KRP	P	Z	23 25 56														
SEP 05	23	47	36,4	1,4N 123,1E	50KM	4,7	CELEBES											
	MNW	P	Z	23 57 48,5		-1,56												
	MJZ	P	Z	23 57 53														
	KRP	P	Z	23 57 56														
		E(*PP)	Z	58 10														
SEP 06	03	18	40,0	21,3N 121,4E	46KM	5,1	TAIWAN											
	MJZ	E(P)	Z	03 30 49														
SEP 06	11	42	41,5	46,7N 152,7E	70KM	5,3	KURILE IS											
	KRP	P	Z	11 55 36														

	H	M	S	EPICENTRE	DEPTH	MAG	DIST	WEL
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE
MJZ EP	Z	11	56	00				
ROX E(P)	Z	11	56	09				
SEP 07	06	57	25,8	24,3N 142,6E	23KM	5,2	VOLCANO IS	
KRP EP	Z	07	08	20				
CNZ E	Z	07	08	37				
MJZ E(P)	Z	07	08	53				
WEL EL	Z	07	35					
SEP 07	08	28	51,3	15,6S 167,1E	29KM	4,7	NEW HEBRIDES IS	
KRP EP	Z	08	34	00				
CNZ P	Z	08	34	11				
MJZ EP	Z	08	34	45				
ROX EP	Z	08	34	58				
MNW EP	Z	08	35	00				
WEL EL	Z	08	41					
SEP 07	11	14	06,5	18,5S 177,3W	391KM	5,3	FIJI IS	
KRP P	Z	11	18	16				
*PP	Z	11	18	37				
GNZ P	Z	11	18	17		-0,75		
TNZ P	Z	11	18	30				
WEL P	Z	11	18	45		-0,65		
MJZ EP	Z	11	19	16				
ROX EP	Z	11	19	34				
MNW P	Z	11	19	41				
SEP 07	15	29	54,3	4,9N 127,5E	95KM		TALAUD IS	
MNW EP	Z	15	40	04		-1,96		
MJZ P	Z	15	40	05,5				
SEP 08	07	01	33,3	19,2N 145,3E	152KM	5,4	MARIANA IS	
KRP P	Z	07	11	49,2 U				
E(*PP)	Z	07	11	49,2 U				
E	Z	07	11	23				
GNZ P	Z	07	11	58		-0,93		
WEL EP	Z	07	12	05		-0,83		
MNW EP	Z	07	12	15				
SEP 08	11	45	42,1	27,2S 176,7W	70KM	5,2	KERMADEC IS	
GNZ E(P)	Z	11	48	31				
E	Z	11	48	40				
S	Z	11	48	43				
ONE EP?	E	11	48	35				
E	E	11	48	48				
KRP EP?	Z	11	48	42				
E	Z	11	48	53,5				
CNZ EP?	Z	11	48	49				
E	Z	11	48	59				
WEL E(P)	Z	11	49	19				
S	ZNE	11	49	01				

	H	M	S	EPICENTRE	DEPTH	MAG	DIST	WEL
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE
TON E(S)	Y	11	51	23				
E	Y	11	51	58				
WEL EL	Z	11	54					
GPZ ES	M	11	52	05				
SEP 08	14	13	11,8	15,4S 164,6E	6KM	5,1	NEW HEBRIDES IS	
KRP EP	Z	14	18	24				
CNZ P	Z	14	18	39				
SEP 08	14	29	25,0	28,8S 179,1W	137KM	4,3	KERMADEC IS	
GNZ P	Z	14	32	56				
SEP 09	10	02	25,1	6,5N 84,4W	22KM	5,6	CENTRAL AMERICA	
WEL EPS	E	10	29	44				
EPPS	Z	10	29	33				
ESS	ZE	10	29	25				
ELR	ZE	10	29	49				
MAX	ZE	10	29	55			6 19	3 18
ROX PS	E	10	30	24				
EPPS	E	10	30	12				
ESS	E	10	30	20				
ELR	E	10	30	53				
MAX	E	10	30	57				5 18
SEP 10	01	24	18,7	21,1S 178,4W	559KM	4,6	FIJI IS	
KRP P	Z	01	27	52,7				
CNZ P?	Z	01	27	56				
E	Z	01	27	04				
SEP 10	05	07	22,0	15,4S 172,64	38KM	4,2	SAMOA IS	
KRP EP	Z	05	12	33				
CNZ (P)	Z	05	12	55				
SEP 10	07	19	28,4	15,9S 167,2E	38KM	5,1	NEW HEBRIDES IS	
KRP EP	Z	07	24	33				
CNZ P	Z	07	24	45				
SEP 10	07	25	23,0	20,8S 178,7W	608KM	4,0	FIJI IS	
KRP EP	Z	07	29	00				
SEP 10	08	44	10,1	18,9S 169,4E	233KM	4,3	NEW HEBRIDES IS	
KRP P	Z	08	48	23				
CNZ EP	Z	08	48	34				
SEP 10	09	31	08,6	15,7S 166,3E	15KM	4,4	NEW HEBRIDES IS	
KRP EP	Z	09	36	23				
CNZ EP	Z	09	36	35				

	H	M	S	EPICENTRE	DEPTH	MAG														
				H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE	TE								
SEP 10	15	01	55.6	42.9N 143.4E	114KM	5.2	JAPAN													
	KRP	EP	Z	15 14 24																
SEP 10	15	39	29.9	20.6S 178.7W	605KM	4.5	FIJI IS													
	KRP	P	Z	15 43 07																
	CNZ	EP?	Z	15 43 23																
SEP 10	19	25	52.0	37.4N 141.1E	68KM	5.3	JAPAN													
	KRP	P	Z	19 38 03																
SEP 11	06	52	59.5	5.4S 153.0E	50KM	6.5	NEW IRELAND													
	KRP	IP	Z	07 00 18.8 DU																
		(*PP)	Z	29																
		PCP	Z	02 31.8																
		(PCS)	Z	06 17																
		S	Z	20																
		SCS	Z	10 31																
	TNZ	P	Z	07 00 24.0 D																
		EPCP	Z	02 34																
	CNZ	IP	Z	07 00 27.3 U																
	GNZ	P	Z	07 00 33.3 D																
		F	Z	48																
		E(S)	Z	06 43																
		E	Z	52																
	WEL	P	Z	07 00 37.3 D																
		FPP	Z	02 16																
		EPCP	Z	37																
		E(PCS)	ZNE	06 27																
		ES	NE	44																
		ELQ	NE	10																
		ELR	Z	12																
	GPZ	P	N	07 00 47.1 N																
		E	N	02 56																
		E(PCS)	N	06 36																
		ES	N	07 07																
	MNW	EP	Z	07 00 49.6 D																
		E	Z	01 08																
SEP 11	12	58	14.9	4.9S 153.5E	71KM	4.4	NEW IRELAND													
	KRP	EP	Z	13 05 32																
	CNZ	EP	Z	13 05 40																
SEP 12	01	30	00.6	15.6S 167.1E	22KM		NEW HEBRIDES IS													
	KRP	P	Z	01 35 11																
SEP 12	03	11	24.0	21.6N 145.7E	68KM	4.8	MARIANA IS													
	KRP	P	Z	03 22 02																
SEP 12	06	00	53.9	4.9S 152.3E	55KM	4.7	NEW BRITAIN													
	KRP	EP	Z	06 08 18																

	H	M	S	EPICENTRE	DEPTH	MAG														
				H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE	TE								
SEP 12	06	04	51.5	18.2S 169.2E	313KM	4.2	NEW HEBRIDES IS													
	KRP	EP	Z	06 08 34																
SEP 12	06	58	33.4	11.2S 166.4E	118KM	5.4	SANTA CRUZ IS													
	KRP	P	Z	07 04 13																
		E	Z	51																
	CNZ	P	Z	07 04 24																
SEP 12	08	40	10.6	6.4S 151.4E	29KM	6.3	NEW BRITAIN													
	KRP	P	Z	08 47 29.0 U																
		EPCP	Z	49 43																
		E(PCS)	E	53 34																
		SCS	E	57 42																
	TNZ	P	Z	08 47 34.5																
		PCP	Z	49 46																
	CNZ	EP	Z	08 47 38																
		PCP	Z	49 46																
	GNZ	P	Z	08 47 44.5																
	WEL	EP	Z	08 47 48																
		FPP	ZNE	49 33																
		ES	ZNE	53 54																
		E(SS)	ZNE	57 10																
		ELR	Z	59 30																
		MAX	ZNE	09 03																
	MNW	EP	Z	08 47 57.5																
	ROX	E(PP)	N	08 49 50																
		E(S)	N	54 18																
		ESS	N	57 26																
		MAX	ZN	09 05																
SEP 12	08	45	45.1	6.3S 151.6E	33KM	4.9	NEW BRITAIN													
	KRP	P	Z	08 53 03																
		PCP	Z	55 17																
	CNZ	EP	Z	08 53 11																
	GNZ	EP	Z	08 53 19																
	MNW	EP	Z	08 53 32																
SEP 12	09	02	00.7	6.3S 151.7E	45KM	5.0	NEW BRITAIN													
	KRP	EP	Z	09 09 17																
SEP 12	17	01	52.3	3.2N 126.4E	63KM	5.4	TALAUD IS													
	KRP	EP	Z	17 11 58																
SEP 12	19	11	34.3	14.0S 172.8E	593KM	3.9	NEW HEBRIDES IS													
	KRP	P	Z	19 16 04																
		E	Z	08																
	CNZ	P	Z	19 16 15																
		E	Z	20																

SEP 12	H M S	EPICENTRE	DEPTH	MAG	DIST
		H M S	DIR	LOG A/T	AZ TZ AN TN AE TE
SEP 12	20 21 19,6	36,4S 97,8W	33KM	5,4	WEST CHILE RISE
	CNZ EP	Z 20 32 05			
	WEL ELR	Z 20 51			
	MAX	Z 54			3 19
SEP 12	21 54 42,0	21,5N 143,2E	326KM	5,0	MARIANA IS
	KRP P	Z 22 04 59			
	CNZ EP	Z 22 05 05			
SEP 12	22 02 34,3	6,5S 70,8E	34KM	6,2	CHAGOS ARCHIPELAGO
	MNW EP	Z 22 15 33			
	ROX EP	Z 22 15 39		-0,98	
	E(S)	N 26 32			
	ESP	E 28			
	ESS	NE 33			4 26 6 22
	E	N 40 24			
	E	N 55			13 24
	EL	NE 48			
	MAX	ZNE 52			6 17 3 18 5 11
	WEL E(P)	Z 22 16 00			
	EPP	Z 19 54			
	E(SP)	Z 29 36			
	ESS	Z 34			
	ELR	Z 47			
	MAX	Z 60			6 18
	CNZ P	Z 22 16 05			
	KRP P	Z 22 16 07,0 D			
SEP 13	04 53 58,0	20,0S 178,2W	582KM	5,2	FIJI IS
	GNZ P	Z 04 57 43		-1,28	
	MNW P	Z 04 59 06		-1,64	
SEP 13	13 07 48,1	55,3N 165,7E	23KM	5,5	KOMANDORSKY IS
	KRP P	Z 13 21 04			
	E(PCP)	Z 16			
SEP 13	15 25 58,4	26,7S 177,6W	190KM		FIJI IS
	GNZ E(P)	Z 15 28 46			
	S	Z 30 53			
	E	Z 57			
	KRP EP	Z 15 28 50			
	E	Z 30 08			
	WEL S	NE 15 32 09			
	GPZ S	N 15 33 10			
SEP 13	16 15 44,1	36,6S 97,5W	32KM	5,4	WEST CHILE RISE
	KRP EP	Z 16 26 31			
	ROX E(P)	Z 16 26 34			
	E(S)	NE 35 32			3 22
	ESS	E 39 48			
	ELR	NE 47			
	MAX	E 48			8 20

SEP 13	H M S	EPICENTRE	DEPTH	MAG	DIST
		H M S	DIR	LOG A/T	AZ TZ AN TN AE TE MAG
SEP 13	19 25 30,8	20,9S 178,8W	597KM	5,0	FIJI IS
	KRP EP	Z 19 29 06			
	GNZ P	Z 19 29 08		-1,47	4,9
	MNW EP	Z 19 30 30		-1,96	4,5
SEP 13	MJZ EP	Z 23 59 44			
SEP 14	MJZ EP	Z 00 10 40			
	E	Z 57			
SEP 14	01 43 36,6	5,3S 152,9E	52KM	4,8	NEW BRITAIN
	KRP EP	Z 01 50 55,5			
	CNZ P	Z 01 51 04			
	MJZ E(P)	Z 01 51 20			
SEP 14	07 20 14,3	25,8S 176,9W	92KM	4,0	FIJI IS
	GNZ P?	Z 07 23 34			
	E	Z 37			
	S	Z 25 50			
	E	Z 57			
	KRP EP	Z 07 23 38			
	TUA S	Z 07 26 02			
	CNZ P	Z 07 23 48			
	E(S)	Z 26 14			
	E	Z 32			
	WEL ES	NE 07 27 08			
	MJZ E(P)	Z 07 24 55			
	MNW EP	Z 07 25 19			
SEP 14	07 27 15,7	16,5S 173,4W	90KM	4,9	TONGA IS
	KRP EP	Z 07 32 16			
	I	ZNE 18,7 U			
	GNZ P	Z 07 32 16		-1,23	5,1
	E	Z 18,8			
	TUA P	Z 07 32 18			
	E	Z 20			
	E	Z 36 38			
	E(S)	Z 47			
	CNZ E(P)	Z 07 32 27			
	E	Z 28,5			
	WEL E(P)	Z 07 32 48,5		-0,68	5,8
	E	Z 51			
	MJZ EP	Z 07 33 22			
	E	Z 31			
	MNW P	Z 07 33 43			
	E	Z 53			
SEP 14	08 27 18,3	8,4N 127,0E	56KM	5,8	PHILIPPINE IS
	MNW EP	Z 08 37 55			
	MJZ EP	Z 08 37 56,5		-1,82	5,3
	CNZ EP	Z 08 37 58			
	TUA P	Z 08 38 01			
	WEL ESS	Z 08 52			
	EL	Z 59			
	MAX	Z 09 09			4 18

	H M S	EPICENTRE	DEPTH	MAG	DIST
SEP 14	09 00 47,8	35,4N 140,8E	62KM	4,6 JAPAN	WEL
	MJZ EP	Z 09 13 09			
SEP 14	12 34 33,1	38,7S 144,2E	3KM	AUSTRALIA	WEL
	MJZ E(P)	Z 12 39 15			
SEP 14	12 53 12,1	38,7S 144,2E	33KM	5,0 SE COAST AUSTRALIA	WEL
	MNW EP	Z 12 57 36			
	ROX EP	Z 12 57 44			
	MJZ P	Z 12 57 50,5			
	CNZ EP?	Z 12 58 22			
	E	Z 12 58 29,5			
	KRP E(P)	Z 12 58 34			
	E	Z 12 58 40			
	E	Z 13 03 02			
	E	Z 13 03 13			
SEP 14	14 08 49,5	55,1S 159,1E	7KM	MACQUARIE IS	WEL
	MNW EP	Z 14 11 27			
	ROX EP	Z 14 11 39		-1,39	
	EL	ZNE 14			
	MJZ EP	Z 14 12 09,5			
	GPZ EP	N 14 12 20			
	CNZ EP?	Z 14 13 17			
	E	Z 14 13 20			
	KRP EP	Z 14 13 35			
	E	Z 14 13 51			
	GNZ EP	Z 14 13 38			
SEP 14	14 18 13,5	51,9N 175,4E	56KM	4,8 ALEUTIAN IS	WEL
	KRP E(P)	Z 14 31 16			
SEP 14	KRP EP	Z 18 53 24			
	WEL EP?	Z 18 53 29		-0,22	
	GNZ E(P)	Z 18 53 35			
	TUA EP	Z 18 53 36			
	CNZ P	Z 18 53 36,5			
SEP 14	CNZ E	Z 19 15 32			
	E	Z 19 16 15			
SEP 14	21 02 21,8	22,3N 120,9E	40KM	4,5 TAIWAN	WEL
	MJZ EP?	Z 21 14 29			
	E	Z 21 14 34			
SEP 14	21 54 16,8	8,5N 126,9E	66KM	5,2 PHILIPPINE IS	WEL
	MJZ P	Z 22 04 55			
SEP 14	23 34 38,1	20,1S 168,9E	24KM	4,3 LOYALTY IS	WEL
	KRP P	Z 23 38 58			

DISTANT EARTHQUAKES

	H M S	EPICENTRE	DEPTH	MAG	DIST
	CNZ P?	Z 23 39 10			
	F	Z 23 39 13			
	MJZ E(P)	Z 23 39 55			
SEP 15	10 07 22,4	6,4S 154,0E	72KM	4,6 SOLOMON IS	WEL 39
	KRP E(P)	Z 10 14 35			
SEP 15	15 31 56,9	4,6S 153,7E	60KM	4,6 NEW IRELAND	WEL 41
	KRP E(P)	Z 15 39 18			
	E	Z 15 39 34			
	MJZ E(P)	Z 15 39 42			
SEP 15	22 17 56,3	25,0S 179,9E	476KM	4,8 FIJI IS	WEL 17
	KRP P	Z 22 20 52			
	WEL EP	Z 22 21 25		-0,77	
	MJZ EP	Z 22 22 01			5,7
SEP 15	MJZ P?	Z 22 57 02			
	WEL FL	Z 22 58			
SEP 16	00 42 05,3	5,5S 154,3E	115KM	5,3 SOLOMON IS	WEL 40
	KRP P	Z 00 49 11			
	WEL EP	Z 00 49 31		-0,83	
	MJZ P	Z 00 49 37			6,0
	MNW EP	Z 00 49 44			
SEP 16	13 50 12,4	7,1N 126,6E	183KM	6,0 PHILIPPINE IS	WEL 65
	KRP EP	Z 14 00 28			
	E(=PP)	Z 14 01 00			
	MNW EP	Z 14 00 30			
	E	Z 14 01 07			
	MJZ E(P)	Z 14 00 31			
	E	Z 14 01 59			
	E	Z 14 01 21			
	CNZ EP	Z 14 00 37			
	E(=PP)	Z 14 01 07			
	WEL E(P)	Z 14 01 02			
	E	Z 14 01 22			
	EL	Z 14 01 18			
	ROX E	Z 14 01 11			
SEP 16	16 20 22,8	20,9S 178,7W	560KM	5,0 FIJI IS	WEL 21
	KRP P	Z 16 23 58			
	CNZ EP?	Z 16 24 08			
	E	Z 16 24 11			
SEP 16	21 02 40,8	15,3S 168,4E	25KM	4,9 NEW HEBRIDES IS	WEL 26
	KRP P	Z 21 07 50			
	CNZ EP	Z 21 08 01,5			
SEP 17	WEL E	Z 01 54 08			
	L	Z 01 57			

H M S		EPICENTRE		DEPTH	MAG	DIST (DEG)			
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG	
SEP 17	08 19 54.8	23.3S	179.2E	561KM	5.2	FIJI IS			
KRP	P	Z	08 23 03.2	U					
	ES	E	25 44						
GNZ	EP	Z	08 23 04		-0.45				
	E	Z	06						
	ES	Z	25 43						
CNZ	P	Z	08 23 14.0						
WEL	P	Z	08 23 34		0.27				
	S	NE	26 30						
	(PCP)	ZN	27 24						
MJZ	P	Z	08 24 05						
	E(S)	Z	27 25						
	(PCS)	Z	30 28						
ROX	EP	Z	08 24 22		-0.62				
MNW	P	Z	08 24 29.4	U	-0.30				
SEP 17	08 44 47.6	21.0S	178.9W	610KM	4.3	FIJI IS			
KRP	P	Z	08 48 21						
GNZ	P	Z	08 48 23						
MNW	P	Z	08 49 45.5		-1.66				
SEP 17	11 13 56.4	1.5S	77.7W	191KM	6.2	ECUADOR			
WEL	EP	Z	11 27 32						
	E	Z	28 30			1 10			
	E(PP)	Z	31 34			1 20			
	E(+PPP)	Z	32 18						
	E(PS)	Z	41 10						
KRP	P	Z	11 27 34						
	PP	Z	31 41						
	E(+PPP)	Z	32 24						
	PKKP	Z	43 34						
	E	Z	56						
ROX	EPP	E	11 32 04						
	SKS	E	38 02						
	E(S)	E	39 15						
	E(PS)	E	41 14						
	E	E	42 05						
	ESS	E	47						
MJZ	PKKP	Z	11 43 44						
CNZ	E	Z	11 43 57						
	E	Z	44 44						
SEP 17	12 59 18.1	36.4N	141.3E	59KM	5.2	JAPAN			
KRP	EP	Z	13 11 19						
	E	Z	40						
SEP 17	13 27 14.4	21.4S	178.1W	411KM	4.9	FIJI IS			
GNZ	EP	Z	13 30 51						
	E(S)	Z	33 56						
KRP	P	Z	13 30 52						
MJZ	P	Z	13 31 57						
MNW	P	Z	13 32 22						

H M S		EPICENTRE		DEPTH	MAG	DIST (DEG)			
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG	
SEP 17	13 20 56.7	36.3N	141.4E	35KM	5.4	JAPAN			
KRP	E	Z	13 33 15						
MJZ	EP?	Z	13 33 31						
	E	Z	36						
WEL	EL	Z	14 00						
	MAX	Z	05			2 22			
SEP 17	14 22 37.7	36.3N	141.4E	36KM	5.6	JAPAN			
KRP	EP	Z	14 34 47						
MJZ	E(P)	Z	14 35 08						
WEL	EL	Z	15 01						
	MAX	Z	07			2 22			
SEP 17	15 18 55.2	36.4N	141.4E	32KM	5.5	JAPAN			
KRP	P	Z	15 30 45						
MJZ	E(P)	Z	15 31 09						
WEL	EL	Z	15 57						
	MAX	Z	16 01			2 23			
SEP 17	15 48 55.1	13.7S	167.2E	209KM	4.8	NEW HERPIDES IS			
KRP	E	Z	15 54 49						
	E	Z	55 11						
ROX	EP	Z	15 55 06						
SEP 17	16 21 19.3	36.3N	141.3E	40KM	6.2	JAPAN			
KRP	P	Z	16 33 28						
	EPP	Z	36 43						
CNZ	EP	Z	16 33 34						
	E	Z	34 07						
	EPP	Z	36 59						
WEL	EP	Z	16 33 46						
	E	Z	55			3 14			6.2
	S	E	43 46						
	(SP)	ZE	45 05						
	ESS	ZEN	49						
	LO	EN	54						
	LR	Z	17 00						
	MAX	ZNE	07			40 21	19 21	22 21	
MJZ	E(P)	Z	16 33 46						
MNW	EP?	Z	16 33 51						
ROX	E	Z	16 33 56						
	E(S)	NE	44 12						
	E(SS)	N	49 50						
	ELR	ZNE	17 02						
	MAX	E	12						14 20
SEP 17	22 54 29.3	12.6S	166.3E	60KM	5.1	SANTA CRUZ IS			
KRP	P	Z	23 00 02						
CNZ	P	Z	23 00 13						
MJZ	EP	Z	23 00 47						
MNW	EP?	Z	23 00 53						
	E	Z	01 00						
ROX	EP	Z	23 00 58						
WEL	MAX	Z	23 12			7 19			

	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
		H M S	DIR	LOG A/T	AZ TZ AN TN	WEL AE TE MAG
SEP 18	22 03 15.4	8.3N 126.9E	56KM	5.8	PHILIPPINE IS	WEL 40
	KRP P	Z 22 13 49				
	WEL ES	E 22 22 39				
	E(SCS)	NE 23 53				
	ELR	Z 35				
	MAX	ZNE 44				
	MNW EP	Z 22 13 51		-1.90	7 18 3 17 4 11	
	MJZ P	Z 22 13 53				
SEP 19	01 08 26.4	15.0S 173.5W	33KM	4.7	TONGA IS	WEL 20
	KRP EP	Z 01 13 46				
SEP 19	01 16 50.0	20.8S 175.5W	74KM	4.3	TONGA IS	WEL 20
	KRP EP?	Z 01 20 53				
SEP 19	01 26 50.1	22.3S 174.8W	13KM	5.5	TONGA IS	WEL 20
	KRP EP	Z 01 31 03				
	WEL EP	Z 01 31 46		-0.92		
	ROX ES	N 01 37 03				
	L	NE 39				
	MAX	E 42				24 19
SEP 19	08 47 42.8	0.8S 99.8E	35KM	5.5	SUMATRA	WEL 66
	MNW P	Z 08 59 17		-1.56		
	MJZ P	Z 08 59 25				
	E	Z 39				
	KRP EP	Z 08 59 43				
SEP 19	09 44 46.5	20.6S 169.8E	126KM	5.0	NEW HEBRIDES IS	WEL 66
	KRP P	Z 09 48 51				
	CNZ EP	Z 09 49 02				
	WEL EP	Z 09 49 26		-0.81		
	MJZ EP	Z 09 49 47				
SEP 19	KRP E(P)	Z 12 03 05				
SEP 19	KRP P	Z 12 30 58				
	WEL P	Z 12 31 24				
	E	Z 35 31				
	E(L)	Z 46				
	MJZ P	Z 12 31 45				
	ROX E(P)	Z 12 31 56				
SEP 19	13 55 40.2	54.5S 135.6W	33KM	4.8	S PACIFIC CORD	WEL 27
	WEL ES	ZNE 14 08 05				
	LQ	NE 10				
	MAX	Z 13			6 20	
	ROX ES	NE 14 08 18				
	EL	NE 10 30				
	MAX	E 13				9 22

DISTANT EARTHQUAKES

	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
		H M S	DIR	LOG A/T	AZ TZ AN TN	WEL AE TE MAG
SEP 19	14 16 50.1	5.6S 154.3E	116KM	5.0	SOLOMON IS	WEL 40
	KRP E(P)	Z 14 23 56				
SEP 20	03 43 35.8	22.7S 175.1W	31KM	5.1	TONGA IS	WEL 20
	KRP EP	Z 03 47 39				
	MJZ EP	Z 03 48 55				
	MNW EP	Z 03 49 16				
SEP 20	04 42 05.1	15.8S 167.4E	19KM		NEW HEBRIDES IS	WEL 26
	KRP EP	Z 04 47 14				
SEP 20	MNW P	Z 06 16 43		-0.83		
	IS	Z 17 33.5				
	MJZ EP?	Z 06 17 20				
	E	Z 28				
	E	Z 18 25				
	ROX E(S)	Z 06 17 53				
	E	Z 18 20				
SEP 20	09 57 36.0	8.3N 126.9E	90KM	4.8	PHILIPPINE IS	WEL 66
	MJZ EP?	Z 10 08 09				
	E	Z 21				
	KRP EP	Z 10 08 18				
SEP 20	11 01 53.0	12.3N 125.3E	70KM	4.7	PHILIPPINE IS	WEL 70
	MJZ P	Z 11 12 56				
	*PP	Z 13 10				
SEP 20	KRP EP?	Z 12 39 59				
	MJZ P	Z 12 39 55				
SEP 20	15 49 49.0	45.0S 81.0W	33KM	4.7	CHILE	WEL 71
	MJZ EP?	Z 16 00 57				
	E	Z 01 09				
	CNZ EP	Z 16 01 12				
	WEL EL	Z 16 23				
SEP 20	17 11 47.7	12.5N 125.5E	56KM	4.7	PHILIPPINE IS	WEL 70
	KRP ?	Z 17 23 17				
SEP 20	20 58 03.6	16.1S 172.6W	35KM	4.8	SAMOA IS	WEL 27
	KRP EP	Z 21 03 16				
	MJZ EP	Z 21 04 30				
SEP 21	00 26 23.8	22.5S 170.4E	26KM	4.7	LOYALTY IS	WEL 19
	KRP EP	Z 00 30 09				
	MJZ E(P)	Z 00 31 10				

SEP 21	H M S			EPICENTRE		DEPTH	MAG	AG				DIST (DEG)	
	01 38 30,5			29,0N	128,1E			19KM	6,1	CHINA SEA	DIR		LOG A/T
KRP	EP?	Z	01 50 16										
	E	Z	18,5										
	(*PP)	Z	51 03,5										
TUA	EP	Z	01 50 26										
CNZ	E	Z	01 50 26										
WEL	EP	Z	01 50 30				-0,77						
	E(*PP)	Z	51 08										
	E(PP)	Z	54 16										
	S	ZNE	02 00 26					7 12	14 12	12 10			
	(SP)	ZNE	01 25					16 15	11 13	8 13			
	EL	ZNE	12										
GNZ	P	Z	01 50 28				-0,64						
MJZ	P	Z	01 50 31										
	E	Z	51 19										
	S	Z	02 00 33										
MNW	EP	Z	01 50 32				-0,83						
ROX	EP	Z	01 50 34				-0,38						
	E	ZNE	51 20										
	S	NE	02 00 38								7 25		
ESS	NE	NE	06 06								6 20	9 23	

SEP 21	H M S			EPICENTRE		DEPTH	MAG	AG				DIST (DEG)	
	03 26 37,0			40,6N	49,9W			23KM	5,4	N ATLANTIC OCEAN	DIR		LOG A/T
KRP	PKP	Z	03 46 12										
	E	Z	20										
CNZ	EPKP	Z	03 46 16										
	E	Z	22										
	E	Z	45										
TUA	E	Z	03 46 19										
MJZ	E	Z	03 46 28										
	E	Z	36										
	E	Z	52										

SEP 21	H M S			EPICENTRE		DEPTH	MAG	AG				DIST (DEG)	
	05 04 27,0			22,3S	170,4E			33KM	4,5	LOYALTY IS	DIR		LOG A/T
KRP	P	Z	05 08 17										
MJZ	E(P)	Z	05 09 20										

SEP 21	H M S			EPICENTRE		DEPTH	MAG	AG				DIST (DEG)	
	07 07 14												
MJZ	E(P)	Z	07 07 14										
WEL	L	Z	07 13										

SEP 21	H M S			EPICENTRE		DEPTH	MAG	AG				DIST (DEG)	
	17 02 30,1			22,4S	174,6W			33KM	4,8	TONGA IS	DIR		LOG A/T
KRP	EP	Z	17 06 35										
MJZ	E(P)	Z	17 07 56										

SEP 22	H M S			EPICENTRE		DEPTH	MAG	AG				DIST (DEG)	
	04 24 43,2			20,7N	99,3E			11KM	5,5	BURMA	DIR		LOG A/T
KRP	EP	Z	04 37 56										
CNZ	P	Z	04 37 57										
	E	Z	38 01										
WEL	MAX	Z	05 20								1 21		

SEP 22	H M S			EPICENTRE		DEPTH	MAG	AG				DIST (DEG)	
	09 35 27,9			1,3S	134,0E			31KM	5,6	NEW GUINEA	DIR		LOG A/T
KRP	P	Z	09 44 43										
	E	Z	50										
CNZ	EP	Z	09 44 48										

SEP 22	H M S			EPICENTRE		DEPTH	MAG	AG				DIST (DEG)	
	12 39 05,0			30,9S	177,0W			33KM	4,7	KERMADEC IS	DIR		LOG A/T
GNZ	P	Z	09 44 56										
	E	Z	45 06										
WEL	EL	Z	10 01										
	MAX	Z	07								5 22		

SEP 22	H M S			EPICENTRE		DEPTH	MAG	AG				DIST (DEG)	
	12 49 54,7			31,8N	131,5E			33KM	5,5	JAPAN	DIR		LOG A/T
KRP	EP	Z	13 02 04										
CNZ	EP	Z	13 02 10										
ROX	E(P)	Z	13 02 24				-1,05						6,2

SEP 22	H M S			EPICENTRE		DEPTH	MAG	AG				DIST (DEG)	
	17 12 16,1			11,2S	162,1E			33KM	5,2	SOLOMON IS	DIR		LOG A/T
CNZ	E(P)	Z	17 18 30										

SEP 22	H M S			EPICENTRE		DEPTH	MAG	AG				DIST (DEG)	
	20 01 49,5			5,3S	151,4E			58KM	6,0	NEW BRITAIN	DIR		LOG A/T
KRP	EP	Z	20 09 12										
CNZ	EP	Z	20 09 21										
GNZ	EP	Z	20 09 29				-0,94						5,8
WEL	ES	ZNE	20 15 40										
	ESS	ZNE	19								5 28		
	L	ZNE	22										
	MAX	ZNE	24								14 22	4 21	5 22
MNW	EP	Z	20 09 59										

SEP 22	H M S			EPICENTRE		DEPTH	MAG	AG				DIST (DEG)	
	21 47 06,0			16,1S	167,6E			53KM	4,7	NEW HEBRIDES IS	DIR		LOG A/T
KRP	EP	Z	21 52 10										
CNZ	EP	Z	21 52 22										

SEP 22	H M S			EPICENTRE		DEPTH	MAG	AG				DIST (DEG)	
	22 08 01,0			36,4N	141,3E			43KM	5,7	JAPAN	DIR		LOG A/T
KRP	EP	Z	22 20 10										
	ES	N	30 17										
CNZ	EP	Z	22 20 17										
	EPP	Z	23 24										
WEL	E(P)	Z	22 20 32										
	E(SP)	Z	31 23										
	ESS	Z	36										
	ELR	Z	46										

		MAX	Z	53	10 21			
ROX	ES	NE	22	30	54			
		ESS	NE	37				
H	M	S	EPICENTRE		DEPTH	MAG		
SEP 22	23	38	01,6	12,6S	166,6E	113KM	5,3	SANTA CRUZ IS
				H	M	S	DIR	LOG A/T AZ TZ AN TN
KRP	P	Z	23	43	23			
CNZ	P	Z	23	43	40			
ROX	EP	Z	23	44	24			
MNW	EP	Z	23	44	26		-1,60	
SEP 23	05	10	34,5	10,2S	123,9E	115KM	5,1	TIMOR
KRP	EP	Z	05	19	38			
SEP 23	12	58	29,5	17,1S	177,2W	418KM	4,1	FIJI IS
KRP	EP	Z	13	02	50			
SEP 23	GNZ	EP?	Z	14	38	30		
		E	Z	39	47			
		E	Z	42	11			
		E	Z	42	11			
KRP	EP	ZE	14	38	31			
TUA	EP	Z	14	38	33			
		ES	Z	40	04			
TNZ	EP	Z	14	38	49			
		E	Z	39	02			
SEP 23	15	50	34,2	16,9S	177,1W	33KM	4,7	FIJI IS
KRP	E	Z	15	55	30			
SEP 24	MJZ	P	Z	23	39	09		
SEP 24	23	53	42,7	13,1N	145,2E	57KM	5,5	MARIANA IS
KRP	P	Z	24	03	32			
MJZ	EP	Z	24	03	54			
MNW	E(P)	Z	24	03	57			
SEP 25	00	10	59,0	13,3N	145,3E	57KM	5,0	MARIANA IS
KRP	E(P)	Z	00	20	52			
MJZ	EP	Z	00	21	14			
MNW	EP	Z	00	21	16			
SEP 25	01	27	36,6	31,1S	177,6W	33KM	4,3	KERMADEC IS
KRP	E(P)	Z	01	30	04			
GNZ	E	Z	01	31	02			
	E(S)	Z	01	31	09			
MJZ	E	Z	01	31	35			
CNZ	E(S)	Z	01	31	45			
MNW	E(P)	Z	01	31	48			
WEL	ES	ZNE	01	32	25			
	EL	Z	35					

H	M	S	EPICENTRE		DEPTH	MAG	DIST (DEG)			
SEP 25	10	29	59,0	28,0S	178,0W	33KM	4,4	KERMADEC IS	WEL	15
				H	M	S	DIR	LOG A/T AZ TZ AN TN	AE	TE
KRP	EP	Z	10	32	45					
CNZ	E	Z	10	33	05					
MJZ	E(P)	Z	10	34	21					
WEL	EL	Z	10	37						
SEP 25	12	29	08,6	23,9S	177,6W	241KM	4,8	FIJI IS	WEL	18
KRP	EP	Z	12	32	33					
CNZ	?	Z	12	33	47					
	E(S)	Z	12	35	43					
MJZ	EP	Z	12	33	49					
GNZ	E(S)	Z	12	35	11					
SEP 25	14	37	13,1	39,7N	143,3E	21KM	5,5	JAPAN	WEL	86
MJZ	P	Z	14	50	00					
SEP 25	14	42	27,8	39,7N	143,3E	21KM	5,5	JAPAN	WEL	86
MJZ	E(P)	Z	14	55	16					
SEP 25	14	53	34,5	39,7N	143,2E	37KM	5,4	JAPAN	WEL	86
MJZ	P	Z	15	06	16					
KRP	E	Z	15	06	27					
SEP 25	15	49	49,1	9,6S	148,8E	37KM	6,0	NEW GUINEA	WEL	39
KRP	EP	Z	15	56	58					
CNZ	P	Z	15	57	06					
MJZ	EP	Z	15	57	09					
	E	Z	58	17						
	PCP	Z	59	29						
MNW	EP	Z	15	57	19					
SEP 25	16	27	19,0	31,7S	90,6W	35KM	5,0	SE PACIFIC OCEAN	WEL	73
CNZ	EP?	Z	16	39	00					
	PP	Z	41	44						
MJZ	EP?	Z	16	39	10					
SEP 25	16	52	09,7	13,0N	145,3E	40KM	5,4	MARIANA IS	WEL	60
KRP	P	Z	17	02	00					
CNZ	EP	Z	17	02	08					
GNZ	EP	Z	17	02	10					
WEL	EP	Z	17	02	11					
	E	Z	16							
	EL	Z	23							
	MAX	ZN	29				6	19	3	18
MJZ	P	Z	17	02	21					
MNW	EP	Z	17	02	26		-1,86			5,3

DATE	H	M	S	EPICENTRE	DEPTH	MAG	DIST
				H M S	DIR	LOG A/T	WEL
SEP 25	20	59	18,8	24,5S 68,6W	102KM	4,8	CHILE
	MJZ	EP?	Z	21 12 22			
	E		Z	26,5			
SEP 26	06	57	15,4	31,0S 178,3W	60KM	4,6	KERMADEC IS
	ECZ	EP?	Z	06 58 57			
	E		Z	59 03			
	ES		Z	07 00 28			
	GNZ	EP	Z	06 59 09,5			
	E		Z	13			
	(S)		Z	07 00 37,5			
	E		Z	42			
	ONE	EP	E	06 59 12,5			
	TUA	E(P)	Z	06 59 18			
	ES		Z	07 00 54,5			
	KRP	E(P)	Z	06 59 22			
	CNZ	E(P)	Z	06 59 37			
	E(S)		Z	07 01 18			
	MJZ	EP?	Z	07 00 53			
	E		Z	58			
	E(S)		Z	03 33			
	WEL	ES	ZE	07 01 56			
SEP 26	08	15	21,0	6,4S 151,7E	20KM	4,7	NEW BRITAIN
	CNZ	EP	Z	08 22 50			
	MJZ	E(P)	Z	08 23 05			
	E		Z	16			
SEP 26	08	30	40,9	23,3S 180,0E	549KM		FIJI IS
	KRP	P	Z	08 33 53,0			
	GNZ	EP	Z	08 33 54		-1,28	
	CNZ	EP	Z	08 34 04			
	MJZ	E(P)	Z	08 34 56			
	MNW	EP	Z	08 35 17		-1,94	
SEP 26	13	16	01,0	23,2S 176,0W	73KM	4,8	FIJI IS
	GNZ	EP	Z	13 19 51		-1,40	
	KRP	P	Z	13 19 51,5			
	CNZ	E(P)	Z	13 20 03,5			
	E(+PP)		Z	16			
	E		Z	23 15			
	MJZ	P	Z	13 21 08			
	MNW	EP	Z	13 21 31,5			
	?		Z	22 37			
	TON	ES	Y	13 23 22			
SEP 26	21	33	54,3	54,8S 38,3W	33KM	6,1	SOUTH GEORGIA IS
	MNW	EP	Z	21 45 48			
	ROX	EP	Z	21 45 49			
	ES		E	55 38			
	ELR		N	22 11			
	MJZ	EP	Z	21 45 54			
	WEL	EP	Z	21 46 06			
	ES		ZE	56 08			

DATE	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
				H M S	DIR	LOG A/T	WEL
	ESS		Z	22 01 26			
	ELR		Z	12			
	MAX		Z	21			3 16
	CNZ	EP	Z	21 46 13			
	GNZ	EP	Z	21 46 14		-1,40	5,8
	KRP	EP	Z	21 46 18,7	U		
	ES		N	56 35			
SEP 27	04	27	04,0	15,1S 173,7W	98KM	4,0	TONGA IS
	KRP	P	Z	04 32 16			
SEP 27	04	39	41,7	31,8S 177,7W	33KM	4,1	KERMADEC IS
	GNZ	EP?	Z	04 41 30			
	E(S)		Z	42 50			
	E		Z	43 00			
	TUA	EP	Z	04 41 40			
	E(S)		Z	43 08			
	KRP	E(P)	Z	04 41 53			
	E		Z	42 13			
	CNZ	E	Z	04 42 08			
	ONE	E	E	04 42 16			
	ECZ	E	Z	04 43 35			
SEP 27	05	09	12,9	51,9N 175,6E	39KM	5,5	ALEUTIAN IS
	KRP	EP	Z	05 22 07			
SEP 27	10	00	44,1	16,8S 167,3E	21KM	4,6	NEW HEBRIDES IS
	KRP	EP	Z	10 05 42			
	CNZ	E(P)	Z	10 06 01			
	MJZ	EP	Z	10 06 36			
	MNW	E(P)	Z	10 06 44			
SEP 27							
	KRP	EP	Z	12 15 37			
	GNZ	E(P)	Z	12 15 39			
	CNZ	EP?	Z	12 15 47			
	TNZ	EP?	Z	12 15 48			
SEP 28	05	06	39,8	28,1S 178,1W	53KM		KERMADEC IS
	ECZ	E	Z	05 09 04			
	ONE	E(P)	E	05 09 05			
	AUC	EP	Z	05 09 15			
	GNZ	EP?	Z	05 09 16			
	E		Z	25			
	ES		Z	11 19			
	KRP	EP	ZN	05 09 18			
	E		ZNE	11 47			
	E		Z	16 50			
	E		ZN	17 00			
	TUA	EP	Z	05 09 20			
	E(S)		Z	11 31			
	CNZ	EP	Z	05 09 37			
	TNZ	EP	Z	05 09 47			
	WEL	EP	Z	05 10 00			3 13
	E		Z	08			
	ES		ZNE	12 37			
	MJZ	EP	Z	05 10 51			
	MNW	EP	Z	05 11 25			

	GPZ ES	N 05 13 38							
	H M S	EPICENTRE	DEPTH	MAG					
SEP 28	07 47 38,1	29,3N 142,1E	33KM	4,8	JAPAN				
	KRP EP	Z 07 59 13							
SEP 28	08 24 07,0	21,5S 180,0E	642KM	4,2	FIJI IS				
	KRP P	Z 08 27 35							
	GNZ EP	Z 08 27 36,5							
SEP 28	10 01 04,9	14,0S 166,3E	35KM	4,6	NEW HEBRIDES IS				
	KRP P	Z 10 06 29							
SEP 28	11 17 29,4	59,3S 26,9W	3KM	5,5	SOUTH SANDWICH IS				
	KRP P	Z 11 29 43							
	WEL E(SS)	Z 11 45							
SEP 28	19 24 27,1	31,2S 177,3W	33KM	4,8	KERMADEC IS				
	ECZ EP?	Z 19 25 38							
	CNZ P?	Z 19 25 46							
	KRP E	Z 19 27 14							
	TUA E	Z 19 27 56							
	ES	Z 19 29 22							
	GNZ E(S)	Z 19 29 13							
	WEL ES	NE 19 30 30							
	EL	Z 32							
SEP 29	01 16 28,9	32,1S 177,9W	30KM	4,4	KERMADEC IS				
	ECZ EP?	Z 01 18 03							
	E	Z 16							
	E(S)	Z 19 19							
	TUA EP	Z 01 18 22							
	E(S)	Z 19 48							
	WEL S	ZNE 01 20 57							
	GPZ S	N 01 22 02							
SEP 29	15 25 17,4	28,3S 177,8W	73KM	4,5	KERMADEC IS				
	TUA E	Z 15 30 03							
	WEL E(S)	NE 15 31 10							
SEP 29	21 26 35,6	28,2S 177,6W	26KM	4,8	KERMADEC IS				
	ONE E(P)	E 21 29 20							
	KRP EP	Z 21 29 28							
	GNZ ES	Z 21 31 18							
	TUA E(S)	Z 21 31 27							
	MNW E	Z 21 31 57							
	WEL EL	Z 21 34							
	ROX EL	E 21 37							
SEP 30	KRP E(P)	Z 03 55 40							
	TUA E(S)	Z 03 57 38							

	WEL EL	Z 04 00							
	ROX EL	E 04 02							
	H M S	EPICENTRE	DEPTH	MAG					DIST (DEG)
SEP 30	04 12 37,0	27,2S 177,9W	62KM	4,6	KERMADEC IS				WEL 15
	TUA EP	Z 04 15 19							
	ES	Z 17 19							
	KRP EP	Z 04 15 27							
	GNZ E(S)	Z 04 17 20							
SEP 30	07 06 34,4	21,2S 179,3W	615KM	4,8	FIJI IS				DIST (DEG)
	KRP P	Z 07 10 04,5 U							WEL 21
	GNZ EP	Z 07 10 06							
	E	Z 12 51							
	E(S)	Z 58							
	WEL EP	Z 07 10 33							-0,53
	HJZ EP	Z 07 11 06							5,9
	ROX EP	Z 07 11 21							
	MNW P	Z 07 11 28,7 U							
SEP 30	07 07 45,0	21,1S 179,2W	615KM	4,7	FIJI IS				DIST (DEG)
	KRP P	Z 07 11 14,5							WEL 21
	GNZ EP	Z 07 11 16							
	E	Z 14 14							
	WEL EP	Z 07 11 43							-0,62
	HJZ E(P)	Z 07 12 20							5,8
	MNW P	Z 07 12 39,0							
SEP 30	23 47 39,9	59,7N 143,4W	12KM	5,0	ALASKA				DIST (DEG)
	WEL ESKS	Z 24 12 57							WEL 106
	ESP	Z 15 38							
	ESS	Z 21 48							
	E	Z 33							
	ELR	Z 36							
	MAX	Z 46							4 20
	ROX E	E 24 15 03							
	ESS	E 22							
	ESSS	E 27							
	ELQ	E 34							
	ELR	N 40							
	MAX	N 43							4 26
SEP 01	08 52 04,4	50,1N 178,2E	23KM	6,3	ALEUTIAN IS				DIST (DEG)
	KRP EP	ZNE 09 04 50,8							WEL 91
	WEL EP	Z 09 05 05							-0,20
	ESKS	ZNE 15 32							2 8
	SP	Z 17 09							6 9 3 10
	ELR	ZNE 33 42							7 19
	H M S	EPICENTRE	DEPTH	MAG					16 1 1 20 15 26
SEP 01	13 22 28,4	19,9S 174,5E	546KM	6,2	NEW HEBRIDES IS				DIST (DEG)
	ONE IP	E 13 25 51,2 E							WEL 21
	S	E 28 35							
	KRP IP	ZNE 13 26 08,0 U							0,61
	S	NE 29 07							7,1
	ESCS	NE 36 37							
	P	Z 13 26 14,4							0,25
									6,7

	S	Z	29 15				
	ESCP	Z	33 00				
CNZ	IP	Z	13 26 19,7 D				
	SCP	Z	32 59				
WEL		Z	13 26 36 U	0,25	6 6		
	+SP	Z	29 08		4 11		
	S	Z	56				
MJZ	IP	Z	13 27 00,6 U				
	S	Z	30 42				
	SCP	Z	33 12,4				
ROX	IP	Z	13 27 16,6 U	-0,16			
	IS	NE	31 08				
MNW	P	Z	13 27 22,8	-0,76			
OCT 01	H M S	EPICENTRE	DEPTH	MAG			
	19 44 13,7	52,7S 139,9E	29KM	4,9	W OF MACQUARIE IS		
		H M S	DIR	LOG A/T	AZ TZ AN TN		
				-1,07			
	MNW EP	Z	19 48 38				
	ROX EP	Z	19 48 48				
				-1,21			
OCT 01	H M S	EPICENTRE	DEPTH	MAG			
	22 39 04,1	6,2S 151,7E	35KM	5,0	NEW BRITAIN		
		H M S	DIR	LOG A/T	AZ TZ AN TN		
				-0,88			
	KRP P	ZNE	22 46 34,0				
OCT 03	H M S	EPICENTRE	DEPTH	MAG			
	10 04 07,9	8,5N 126,3E	110KM	5,6	PHILIPPINE IS		
		H M S	DIR	LOG A/T	AZ TZ AN TN		
				-1,86			
	KRP EP	Z	10 14 41				
OCT 03	H M S	EPICENTRE	DEPTH	MAG			
	10 46 16,5	52,5N 170,6W	22KM	5,4	ALEUTIAN IS		
		H M S	DIR	LOG A/T	AZ TZ AN TN		
				-1,63			
	KRP EP	Z	10 59 17				
OCT 03	H M S	EPICENTRE	DEPTH	MAG			
	14 45 31,4	49,5N 156,7E	69KM	5,9	KURILE IS		
		H M S	DIR	LOG A/T	AZ TZ AN TN		
				-1,51			
	KRP EP	Z	14 58 17				
	E	ZNE	31				
OCT 03	H M S	EPICENTRE	DEPTH	MAG			
	16 14 56,3	42,9S 75,2W	31KM	6,1	SOUTHERN CHILE		
		H M S	DIR	LOG A/T	AZ TZ AN TN		
				3 12			
	WEL EP	Z	16 26 18				
	ES	Z	37 25				
	LR	Z	49				
				9 22			
	MNW EP	Z	16 26 38				
	CNZ IP	Z	16 26 42,5 U	-0,86			
	KRP IP	ZNE	16 26 46,8 D	-0,85			
	GNZ EP	Z	16 26 47	-0,61			
OCT 03	H M S	EPICENTRE	DEPTH	MAG			
	18 05 02,7	23,3S 179,8E	535KM	4,5	S OF FIJI IS		
		H M S	DIR	LOG A/T	AZ TZ AN TN		
				-1,47			
	KRP EP	Z	18 08 14				
	GNZ EP	Z	18 08 28				
	ES	Z	11 08				
OCT 04	H M S	EPICENTRE	DEPTH	MAG			
	00 13 25,7	6,4S 147,3E	74KM	5,7	NEW GUINEA REGION		
		H M S	DIR	LOG A/T	AZ TZ AN TN		
				-1,73			
	KRP EP	Z	00 21 00				
	CNZ EP	Z	00 21 06				

	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
OCT 04	03 53 34	17,4S 172,8W	33KM		TONGA IS REGION	WEL 26
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
				-1,71		4,6
OCT 04	KRP P	ZNE	14 43 31,8			
	TUA P	Z	14 43 43,8			
				-0,95		
OCT 04	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
	15 45 13	22,7S 177,3W	261KM	4,5	SOUTH OF FIJI IS	WEL 20
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
				-1,71		4,6
	KRP EP	Z	15 48 51			
OCT 04	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
	21 30 01,9	15,1S 167,5E	139KM	4,8	NEW HEBRIDES IS	WEL 27
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
				-0,85		5,6
	KRP P	ZNE	21 35 04,1			
OCT 05	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
	00 52 51,0	5,7S 130,6E	99KM	5,6	BANDA SEA	WEL 53
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
				-1,21		5,9
	MJZ IP	Z	01 01 49,2 U			
	KRP EP	ZNE	01 01 51			
OCT 05	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
	13 02 08	17,6S 172,4W	149KM	4,0	TONGA IS REGION	WEL 26
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
				-1,61		4,8
	KRP P	ZN	13 07 11,8			
OCT 07	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
	01 09 09,1	21,6S 174,5W	66KM	5,1	TONGA IS	WEL 22
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
				-1,77		4,4
	KRP EP	Z	01 13 23			
OCT 07	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
	03 35 59,8	12,5N 114,5E	17KM	5,9	SOUTH CHINA SEA	WEL 77
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
				-0,96		6,2
	MNW P	Z	03 47 42			
	MJZ P	Z	03 47 46,9			
	ROX P	Z	03 47 47			
	KRP P	ZNE	03 47 49,0			
	CNZ P	Z	03 47 52,0			
	E	Z	59,0			
OCT 07	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
	06 58 11,2	24,5S 179,2W	378KM	4,8	SOUTH OF FIJI IS	WEL 17
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
				-0,48		
	ECZ P	Z	07 01 11,0			
	S	Z	03 29			
	KRP IP	ZNE	07 01 17,8 U			
	S	ZNE	03 53			
	CNZ P	Z	07 01 28,0			
	S	Z	04 17			
	WEL P	ZN	07 01 53			
	S	ZNE	04 49			
	MJZ EP	Z	07 02 29			
	*PP	Z	03 32			
	ISCP	Z	09 19,2			
OCT 07	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
	08 40 32,6	17,5S 167,6E	25KM	4,8	NEW HEBRIDES IS	WEL 24
		H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
				-1,52		4,8
	KRP EP	ZN	08 45 21			
	WEL EP	Z	08 45 55			
	ELR	ZNE	53			
				-1,33		5,1

	H	M	S	EPICENTRE	DEPTH	MAG													
OCT 07	09	19	21,5	17,5S 167,9E	24KM	5,2	NEW HEBRIDES IS												
				H M S	DIR	LOG A/T	AZ TZ AN TN												
KRP	EP			ZNE 09 24 11		-1,15													
CNZ	EP			Z 09 24 24															
WEL	EP			ZNE 09 24 46		-1,13													
	ELR			ZNE 31						1 20	1 20								
MJZ	EP			Z 09 25 10															
OCT 07	17	04	34,4	31,4S 177,6W	33KM	4,8	KERMADEC IS												
				H M S	DIR	LOG A/T	AZ TZ AN TN												
ECZ	EP			Z 17 06 23															
	E			Z 36															
KRP	EP?			Z 17 06 40															
	E			Z 50															
MJZ	EP			Z 17 08 08															
	ES			Z 10 48															
MNW	EP			Z 17 08 47		-1,43													
WEL	IS			ZNE 17 09 14															
	ELQ			NE 10 10															
	ELR			Z 11 00						4 17									
OCT 08	03	32	52,9	7,1S 154,9E	86KM	5,0	SOLOMON IS												
				H M S	DIR	LOG A/T	AZ TZ AN TN												
KRP	EP			Z 03 40 05															
OCT 08	12	16	39,0	22,5S 174,5W	33KM	4,8	TONGA IS												
				H M S	DIR	LOG A/T	AZ TZ AN TN												
GNZ	P			Z 12 20 41		-1,28													
KRP	EP			Z 12 20 45		-1,49													
OCT 08																			
CNZ	EP			Z 15 19 06,0															
	I			Z 25,0															
KRP	EP			ZNE 15 19 13		-1,41													
OCT 08	16	32	32,1	51,5N 173,9W	39KM	5,1	ALEUTIAN IS												
				H M S	DIR	LOG A/T	AZ TZ AN TN												
KRP	EP			Z 16 45 27		-1,52													
OCT 08	21	59	45,9	25,7S 176,6W	33KM	5,6	SOUTH OF FIJI IS												
				H M S	DIR	LOG A/T	AZ TZ AN TN												
GNZ	EP			Z 22 03 08		-1,23													
KRP	EP			ZNE 22 03 12		-1,41													
CNZ	EP			Z 22 03 12															
OCT 09	11	07	01	14,6S 166,7E	66KM		NEW HEBRIDES IS												
				H M S	DIR	LOG A/T	AZ TZ AN TN												
KRP	EP			Z 11 12 13		-1,63													
OCT 09	13	23	42,3	34,4N 141,0E	38KM	5,0	HONSHU JAPAN												
				H M S	DIR	LOG A/T	AZ TZ AN TN												
KRP	P			Z 13 35 44		-1,63													
OCT 09	21	03	20,1	7,4S 127,9E	130KM	5,2	BANDA SEA												
				H M S	DIR	LOG A/T	AZ TZ AN TN												
MJZ	EP			Z 21 12 18															

	H	M	S	EPICENTRE	DEPTH	MAG													
OCT 10	00	35	59,3	51,8N 175,4W	53KM	5,2	ALEUTIAN IS												
				H M S	DIR	LOG A/T	AZ TZ AN TN												
KRP	EP			Z 00 48 52		-1,52													
OCT 10	17	25	45,6	59,2S 25,0W	65KM	5,7	SOUTH SANDWICH IS												
				H M S	DIR	LOG A/T	AZ TZ AN TN												
MNW	EP			Z 17 37 21		-1,43													
	E			Z 42															
CNZ	EP			Z 17 37 52,0															
	E			Z 38 13															
GNZ	EP			Z 17 37 55		-1,09													
KRP	P			ZNE 17 37 58,8		-1,22													
	I			ZNE 38 18,8															
WEL	E(P)			Z 17 38 03		-0,66													
OCT 10	06	31	39	17,4S 173,2W	85KM	4,1	TONGA IS												
				H M S	DIR	LOG A/T	AZ TZ AN TN												
KRP	EP			Z 06 36 30															
OCT 11	23	11	01	22,5S 179,6W	568KM	4,2	SOUTH OF FIJI IS												
				H M S	DIR	LOG A/T	AZ TZ AN TN												
KRP	P			ZE 23 14 18,9		-1,35													
CNZ	P			Z 23 14 29															
OCT 12	06	27	16,8	52,1N 174,8W	18KM	5,1	ALEUTIAN IS												
				H M S	DIR	LOG A/T	AZ TZ AN TN												
KRP	EP			Z 06 40 16		-1,18													
OCT 12	06	47	06,3	29,9S 177,7W	51KM	4,4	KERMADEC IS												
				H M S	DIR	LOG A/T	AZ TZ AN TN												
GNZ	EP			Z 06 49 22		-0,99													
	S			Z 50 55															
KRP	EP			ZE 06 49 31		-1,77													
MJZ	EP			Z 06 50 56															
	ES			Z 53 47															
WEL	S			ZNE 06 52 12															
OCT 12	07	27	44,0	22,7S 170,9E	64KM	4,8	LOYALTY IS												
				H M S	DIR	LOG A/T	AZ TZ AN TN												
KRP	P			ZE 07 31 24,7		-0,76													
CNZ	P			Z 07 31 35															
GNZ	P			Z 07 31 38,0		-0,72													
MJZ	IP			Z 07 32 25,0 D															
OCT 12	23	52	34,1	2,1N 125,1E	234KM	5,0	TALAUD IS												
				H M S	DIR	LOG A/T	AZ TZ AN TN												
MNW	EP			Z 24 02 23		-1,66													
MJZ	IP			Z 24 02 26,6 D															
KRP	EP			Z 24 02 27		-1,60													
OCT 13	14	46	24,2	22,8S 171,1E	21KM	5,6	LOYALTY IS												
				H M S	DIR	LOG A/T	AZ TZ AN TN												
KRP	EP			ZE 14 50 05		-0,39													
WEL	EP			ZNE 14 50 44		-0,08													
	S			ZNE 54 15															

DATE	TIME	EPICENTRE	DEPTH	MAG	LOCATION	DIST
		Z 14 51 27		-0.65		7 15
		NE 55 38				
		Z 14 51 33				
OCT 13	15 13 40.6	16.5S 166.9E	22KM	5.0	NEW HEBRIDES IS	
		H M S	DIR	LOG A/T	AZ TZ AN TN	
		ZE 15 18 43		-1.16		
		Z 15 19 18		-1.03		
OCT 13	15 37 36.6	22.9S 171.0E	36KM		LOYALTY IS	
		H M S	DIR	LOG A/T	AZ TZ AN TN	
		Z 15 41 21		-1.30		
OCT 15	07 34 36.2	18.0S 169.0E	232KM	4.6	NEW HEBRIDES IS	
		H M S	DIR	LOG A/T	AZ TZ AN TN	
		Z 07 39 12		-1.16		
OCT 16	08 22 53.0	3.1N 128.5W	180KM	5.7	NORTH OF HALMAHERA	
		H M S	DIR	LOG A/T	AZ TZ AN TN	
		Z 08 32 40.2 U		-0.29		
		Z 08 32 43.8 D				
		Z 08 32 44		-0.60		
		Z 08 32 47		-0.36		
		Z 08 32 53.0		-0.47		
OCT 16	13 34 06	19.5S 178.0W	535KM	4.0	FIJI IS	
		H M S	DIR	LOG A/T	AZ TZ AN TN	
		Z 13 37 53.2		-1.30		
		Z 13 38 01.8				
OCT 16	22 14 15.1	15.2S 173.5W	45KM	5.4	TONGA IS	
		H M S	DIR	LOG A/T	AZ TZ AN TN	
		Z 22 20 58		-1.46		
OCT 16	23 33 03.8	19.6S 178.1W	593KM	4.3	FIJI IS	
		H M S	DIR	LOG A/T	AZ TZ AN TN	
		Z 23 38 15.4		-1.00		
OCT 17	01 53 33.7	8.0S 156.3E	20KM	5.6	SOLOMON IS	
		H M S	DIR	LOG A/T	AZ TZ AN TN	
		ZNE 02 00 32				
		Z 02 01 00		-1.66		
		Z 02 01 05				
		Z 02 01 05		-0.65		
OCT 17	03 55 15.3	15.6S 173.8W	51KM	5.5	TONGA IS	
		H M S	DIR	LOG A/T	AZ TZ AN TN	
		ZNE 04 00 29				
		Z 04 00 53		-1.48		
		Z 01 02				
OCT 18	02 39 40.3	7.4S 128.5E	171KM	5.3	BANDA SEA	
		H M S	DIR	LOG A/T	AZ TZ AN TN	
		Z 02 48 47				

DATE	TIME	EPICENTRE	DEPTH	MAG	LOCATION	DIST
OCT 18	21 50 05.5	1.2S 127.8E	33KM	5.9	HALMAHERA	
		H M S	DIR	LOG A/T	AZ TZ AN TN	
		Z 21 59 46				
		Z 21 59 49		-1.02		
		Z 22 00 09				
		ZNE 21 59 52				
		Z 21 59 53			4 7	6.6
		ZNE 22 07 37				13 35 6.1
		ZE 17 48			49 18	
		Z 21 59 53				
		Z 22 00 00		-0.76		6.4
		NE 07 52			12 28	18 26 6.3
		NE 18 05			25 30	23 28
		Z 22 00 04		-0.86		6.3
OCT 19	20 48 47.6	52.3N 174.4E	50KM	5.6	ALEUTIAN IS	
		H M S	DIR	LOG A/T	AZ TZ AN TN	
		ZNE 21 01 43				
OCT 22	13 16 47.4	27.8S 179.4W	378KM	3.8	KERMADEC IS	
		H M S	DIR	LOG A/T	AZ TZ AN TN	
		E 13 19 05				
		Z 13 19 11				
		Z 21 56				
		Z 13 19 17.0		-0.44		
		Z 19.9				
		Z 21 21				
		NE 13 19 20.0 SW				
		NE 21 23				
		Z 13 19 29.0				
		Z 21 45				
OCT 22	18 35 54.6	25.0S 71.2W	15KM	5.1	NORTHERN CHILE	
		H M S	DIR	LOG A/T	AZ TZ AN TN	
		Z 18 49 18				
OCT 23	06 53 29.4	29.5S 71.8W	8KM	5.6	CENTRAL CHILE	
		H M S	DIR	LOG A/T	AZ TZ AN TN	
		Z 07 06 19				
		Z 07 06 25				
		NE 07 06 33		-1.63		5.7
OCT 23	08 15 01.8	54.9S 146.2E	33KM	5.3	W OF MACQUARIE IS	
		H M S	DIR	LOG A/T	AZ TZ AN TN	
		Z 08 18 52		-0.67		5.4
		Z 08 19 24				
		Z 08 20 05		-0.70		5.7
		E 24 28				6 12 5.8
		Z 26 10			8 13	
		Z 08 20 25				
OCT 23	08 33 47.4	55.0S 146.2E	33KM	5.7	W OF MACQUARIE IS	
		H M S	DIR	LOG A/T	AZ TZ AN TN	
		Z 08 37 37		-0.87		5.2
		Z 08 39 11		-0.79		5.6
		ZNE 43 16			4 14	3 10 5.6
		ZNE 45 00			16 16	
		NE 08 41 18				3 12 5.7
		LQ				15 11 18 11

H	M	S	EPICENTRE	DEPTH	MAG	DIST
14	32	10,8	4,2N 125,8E	151KM	5,8 TALAUD IS	WEL
			H M S	DIR	LOG A/T AZ TZ AN TN	AE TE
MNW	EP	Z	14 42 17		-1,30	
MJZ	P	Z	14 42 19,8			
	E+PP	Z	43 00			
KRP	EP	NE	14 42 20			
CNZ	P	Z	14 42 25,0			
WEL	P	Z	14 42 26			
	*PP	Z	43 08			
GNZ	P	Z	14 42 33,2		-1,16	
OCT 24	H M S	EPICENTRE	DEPTH	MAG	DIST	
	18 15 09,1	49,7N 156,2E	64KM	5,7 KURILE IS	WEL	
		H M S	DIR	LOG A/T AZ TZ AN TN	AE TE	
KRP	EP	NE	18 27 59			
CNZ	EP	Z	18 28 02			
OCT 24	H M S	EPICENTRE	DEPTH	MAG	DIST	
	21 09 43,8	17,7S 178,5W	507KM	4,7 FIJI IS	WEL	
		H M S	DIR	LOG A/T AZ TZ AN TN	AE TE	
KRP	P	E	21 13 51			
GNZ	P	Z	21 13 53,0		-0,71	
	S	Z	17 09			
CNZ	EP	Z	21 14 00			
WEL	P	ZNE	21 14 19,8			
	S	ZNE	18 04			
MJZ	P	Z	21 14 50,2			
MNW	P	Z	21 15 14,2		-1,13	
OCT 25	H M S	EPICENTRE	DEPTH	MAG	DIST	
	08 38 29,2	22,2S 170,3E	22KM	5,0 LOYALTY IS	WEL	
		H M S	DIR	LOG A/T AZ TZ AN TN	AE TE	
KRP	EP	E	08 42 25			
CNZ	EP	Z	08 42 33			
GNZ	EP	Z	08 42 35		-0,79	
WEL	EP	Z	08 42 56		-0,47	
	ES	ZNE	46 34			5 9 1 10
	LR	ZN	48 11			8 19 6 20
MJZ	P	Z	08 43 19,4			
OCT 25	H M S	EPICENTRE	DEPTH	MAG	DIST	
	13 31 00,0	14,6S 167,4E	117KM	NEW HEBRIDES IS	WEL	
		H M S	DIR	LOG A/T AZ TZ AN TN	AE TE	
CNZ	EP	Z	13 36 20			
OCT 25	H M S	EPICENTRE	DEPTH	MAG	DIST	
	14 13 47,6	17,1N 121,0E	159KM	5,1 PHILIPPINE IS	WEL	
		H M S	DIR	LOG A/T AZ TZ AN TN	AE TE	
CNZ	E(P)	Z	14 25 19			
MJZ	EP	Z	14 25 19			
OCT 25	H M S	EPICENTRE	DEPTH	MAG	DIST	
	17 53 46,0	60,5S 153,9E	49KM	5,2 W OF MACQUARIE IS	WEL	
		H M S	DIR	LOG A/T AZ TZ AN TN	AE TE	
ROX	EP	ZNE	17 57 54			4 8 2 15
OCT 25	H M S	EPICENTRE	DEPTH	MAG	DIST	
	22 34 24,4	44,2N 145,3E	181KM	6,2 JAPAN	WEL	
		H M S	DIR	LOG A/T AZ TZ AN TN	AE TE	
CNZ	EP	Z	22 46 42			
	I	Z	54			
KRP	EP	NE	22 46 49			
	ES	NE	56 57			
GNZ	E(P)	Z	22 46 57			
WEL	IP	Z	22 47 02,0 U			

DISTANT EARTHQUAKES

H	M	S	EPICENTRE	DEPTH	MAG	DIST
			57 10			
MJZ	P	Z	22 47 08,2			
	E+PP	Z	54			
MNW	P	Z	22 47 15		-0,83	6,3
	PP	Z	50 54			
ROX	P	Z	22 47 16		-0,31	6,8
	*PP	Z	48 00			4 7
	PP	Z	50 54			4 7
	S	NE	57 30			8 16 5 13
	PS	ZNE	58 08			4 10 18 17 8 9
OCT 26	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)	
	08 15 42,9	22,0S 175,3W	89KM	5,0 TONGA IS	WEL	21
		H M S	DIR	LOG A/T AZ TZ AN TN	AE TE	MAG
GNZ	EP	Z	08 19 42		-0,87	5,3
	ES	Z	23 42			
KRP	EP	NE	08 19 45			
	ES	NE	23 05			
MJZ	EP	Z	08 21 00			
	ES	Z	25 22			
MNW	P	Z	08 21 24		-1,26	5,2
WEL	ES	NE	08 23 49			
	ELR	Z	25 30			2 24
OCT 26	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)	
	10 21 45,8	20,2S 168,9E	35KM	5,2 LOYALTY IS	WEL	22
		H M S	DIR	LOG A/T AZ TZ AN TN	AE TE	MAG
KRP	EP	NE	10 26 02			
GNZ	P	Z	10 26 19,0		-0,80	5,4
CNZ	P	Z	10 26 20,0			
	I	Z	32,8			
MJZ	EP	Z	10 26 58			
OCT 26	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)	
	12 15 07,5	24,5S 70,2W	52KM	5,5 NORTHERN CHILE	WEL	91
		H M S	DIR	LOG A/T AZ TZ AN TN	AE TE	MAG
MNW	P	Z	12 27 38,0		-1,30	6,2
MJZ	P	Z	12 27 43,8			
CNZ	EP	Z	12 28 23			
KRP	EP	NE	12 28 32			
OCT 26	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)	
	20 20 51,0	10,5S 161,3E	65KM	5,5 SOLOMON IS	WEL	33
		H M S	DIR	LOG A/T AZ TZ AN TN	AE TE	MAG
CNZ	P	Z	20 27 08,0			
GNZ	EP	Z	20 27 10,4		-1,10	5,7
MJZ	P	Z	20 27 32,8			
ROX	EP	Z	20 27 43			
MNW	P	Z	20 27 43,2		-1,00	5,9
OCT 26	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)	
	23 15 35,5	5,8N 126,2E	139KM	5,7 PHILIPPINE IS	WEL	65
		H M S	DIR	LOG A/T AZ TZ AN TN	AE TE	MAG
MNW	EP	Z	23 25 49		-1,56	5,5
MJZ	P	Z	23 25 53,4			
OCT 27	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)	
	09 27 48,2	18,9S 173,2W	33KM	4,8 TONGA IS	WEL	25
		H M S	DIR	LOG A/T AZ TZ AN TN	AE TE	MAG
KRP	EP	NE	09 32 36			
CNZ	EP	Z	09 32 51			
MJZ	EP	Z	09 33 48			
OCT 27	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)	
	15 41 01,4	1,1N 127,1E	146KM	5,2 HALMAHERA	WEL	60
		H M S	DIR	LOG A/T AZ TZ AN TN	AE TE	MAG
MNW	EP	Z	15 50 46		-1,48	5,5

MJZ	P	Z	15 50 49,2						
H M S			EPICENTRE	DEPTH	MAG				DIST (DEG)
OCT 27			17,8S 178,7W	557KM		FIJI IS			WEL 92
			H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG
MJZ	EP	Z	17 59 03						
H M S			EPICENTRE	DEPTH	MAG				DIST (DEG)
OCT 28			12,8S 165,7E	77KM	4,7	SANTA CRUZ IS			WEL 23
			H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG
MJZ	EP	Z	05 51 48						
ROX	EP	Z	05 52 00		-1,21				
H M S			EPICENTRE	DEPTH	MAG				DIST (DEG)
OCT 28			1,7S 127,3E	33KM	5,2	MALMAHERA			WEL 23
			H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG
MNW	EP	Z	09 08 07		-1,29				
MJZ	EP	Z	09 08 12,2						
			I	Z	16				
H M S			EPICENTRE	DEPTH	MAG				DIST (DEG)
OCT 28			21,6S 170,7E	42KM		LOYALTY IS			WEL 73
			H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG
MJZ	EP	Z	17 20 51						
			(*PP)	Z	21 13				
H M S			EPICENTRE	DEPTH	MAG				DIST (DEG)
OCT 29			6,2S 148,9E	59KM	4,7	NEW BRITAIN			WEL 47
			H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG
CNZ	EP	Z	12 31 04						
H M S			EPICENTRE	DEPTH	MAG				DIST (DEG)
OCT 29			51,4N 179,2E	0KM		AMCHITKA IS			WEL 17
			H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG
TNZ	EP?	Z	21 12 56,6						
			E(P)	Z	13 01,6				
GNZ	P	Z	21 12 58,7		-1,09				
CNZ	P	Z	21 13 00,0						
MJZ	P	Z	21 13 23,2						
H M S			EPICENTRE	DEPTH	MAG				DIST (DEG)
OCT 30			16,4S 173,3W	28KM	5,3	TONGA IS			WEL 18
			H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG
GNZ	EP	Z	07 02 49,0		-0,91				
CNZ	P	Z	07 02 59,0						
WEL	EP	Z	07 03 17				1 16		
			ELR	ZN	11 30		5 22		
MJZ	EP	Z	07 03 57						
H M S			EPICENTRE	DEPTH	MAG				DIST (DEG)
OCT 30			15,7S 167,6E	33KM	4,9	NEW HEBRIDES IS			WEL 42
			H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG
GNZ	EP	Z	19 40 58		-1,09				
CNZ	EP	Z	19 40 59						
WEL	ES	ZE	19 45 30				4 30		
			ELR	Z	48 16				
H M S			EPICENTRE	DEPTH	MAG				DIST (DEG)
OCT 31			2,8S 140,5E	26KM	5,4	WEST NEW GUINEA			WEL 42
			H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG
CNZ	P	Z	03 57 48,0						
GNZ	EP	Z	03 57 56		-1,01				
H M S			EPICENTRE	DEPTH	MAG				DIST (DEG)
OCT 31			11,5S 165,8E	48KM	4,9	SANTA CRUZ IS			WEL 42
			H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG
CNZ	P	Z	06 48 03						

MJZ	EP	Z	06 48 36						
H M S			EPICENTRE	DEPTH	MAG				DIST (DEG)
OCT 31			24,8S 68,9W	108KM	5,4	CHILE-ARGENTINE			WEL 92
			H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG
CNZ	EP	Z	14 00 58						
H M S			EPICENTRE	DEPTH	MAG				DIST (DEG)
OCT 31			19,6S 176,2W	19KM	5,5	FIJI IS			WEL 23
			H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG
GNZ	EP	Z	15 07 13		-1,06				5,1
CNZ	EP	Z	15 07 30						
H M S			EPICENTRE	DEPTH	MAG				DIST (DEG)
OCT 31			20,0S 175,7W	229KM	4,0	TONGA IS			WEL 23
			H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG
GNZ	EP	Z	15 53 53		-1,10				5,3
H M S			EPICENTRE	DEPTH	MAG				DIST (DEG)
OCT 31			14,3S 95,2E	33KM	5,3	SOUTH INDIAN OCEAN			WEL 73
			H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG
CNZ	P	Z	17 35 38						
ROX	ES	E	17 44 46						3 24 6,0
H M S			EPICENTRE	DEPTH	MAG				DIST (DEG)
NOV 01			4,2S 142,9E	117KM	5,6	NEW GUINEA			WEL 47
			H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG
GNZ	P	Z	09 06 59,8		-1,50				5,6
H M S			EPICENTRE	DEPTH	MAG				DIST (DEG)
NOV 01			24,2S 179,0E	548KM	5,7	SOUTH OF FIJI			WEL 17
			H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG
ONE	P	E	18 05 54,2						
			S	E	08 12				
KRP	P	Z	18 06 11,0		-0,24				
			S	Z	08 40				
GNZ	EP	Z	18 06 12,5		-0,02				
			S	Z	08 43,8				
WEL	P	ZNE	18 06 41,9		-0,33				6,1
			S	ZNE	09 34				
MJZ	EP	Z	18 07 13,0						
			S	Z	10 30,2				
			SCP	Z	14 43				
MNW	P	Z	18 07 37,0		-0,64				5,9
H M S			EPICENTRE	DEPTH	MAG				DIST (DEG)
NOV 02			23,7S 179,7W	522KM	5,3	SOUTH OF FIJI			WEL 18
			H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG
KRP	P	ZNE	00 52 20,0		-0,04				
			S	ZNE	55 00				
GNZ	P	Z	00 52 23,0		-0,48				6,0
			S	Z	54 58				
WEL	P	ZNE	00 52 52						
			ES	ZNE	55 49				
MJZ	P	Z	00 53 23,8						
			ES	Z	56 56				
			SCP	Z	59 53,0				
MNW	EP	Z	00 53 48,5		-0,73				5,7
WNSS	AT WEL		OUT OF ACTION						
H M S			EPICENTRE	DEPTH	MAG				DIST (DEG)
NOV 02			5,1S 151,7E	82KM	5,6	NEW BRITAIN			WEL 42
			H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG
MJZ	EP	Z	02 02 37						

H	M	S	EPICENTRE	DEPTH	MAG															
			H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE	TE	MAG								
NOV 03	01	39	03,1	9,1S 71,4W	593KM	6,2	PERU	BRAZIL	BORDER											
	MJZ	PKKP	Z	02 07 55																
	ROX	S	Z	02 01 45																
		SP	ZNE	04 42			8	12												
		SS	N	10 48																
	KRP	P	Z	01 51 59		-1,22														
		E*PP	Z	54 08																
		S	Z	02 02 53																
		PKKP	Z	07 58																
		I	Z	08 23																
		E	Z	10 12																
NOV 03	16	41	02,9	4,7S 126,6E	409KM	5,7	BANDA	SEA												
	MNW	P	Z	16 49 50,2		-0,56														
	MJZ	P	Z	16 49 54,4																
	ROX	EP	Z	16 49 55		-1,22														
	KRP	P	Z	16 49 58,8		-1,00														
		SCP	Z	54 14																
	WEL	P	Z	16 50 04,0		-0,52														
	GNZ	P	Z	16 50 12,7		-0,53														
NOV 03	18	21	08,3	22,3S 114,0W	33KM	5,8	EASTER	IS												
	KRP	EP	Z	18 31 24		-0,99														
	MJZ	EP	Z	18 31 43																
	ROX	ES	NE	18 40 38																
		LQ	N	48 10																
		ELR	Z	53																
NOV 04	01	09	07,8	17,0S 167,5E	18KM	4,8	NEW	HEBRIDES	IS											
	KRP	P	ZNE	01 14 04		-1,09														
	CNZ	P	Z	01 14 18																
NOV 04	03	59	27,9	17,0S 167,9E	38KM	4,9	NEW	HEBRIDES	IS											
	KRP	P	ZNE	04 04 20,6		-1,41														
		I	ZN	34,8																
	CNZ	EP	Z	04 04 34																
NOV 04	07	56	26,9	17,4S 167,6E	33KM		NEW	HEBRIDES	IS											
	KRP	EP	ZN	08 01 16		-1,71														
NOV 04	19	00	20,2	30,3S 178,1W	102KM	4,4	KERMADEC	IS												
	GNZ	EP	Z	19 02 27		-0,99														
		E(S)	Z	03 33																
	KRP	EP	ZE	19 02 33		-1,63														
	MJZ	EP?	Z	19 03 45																
		E	Z	52																
	WNZ	S	NE	19 04 50																

H	M	S	EPICENTRE	DEPTH	MAG															
			H M S	DIR	LOG A/T	AZ	TZ	AN	TN	AE	TE	MAG								
NOV 05	19	01	08,0	3,1S 143,9E	65KM	5,6	NEW	GUINEA												
	KRP	P	ZNE	19 09 21		-1,26														
	CNZ	P	Z	19 09 28,2																
	WEL	P	Z	19 09 29		-0,79														
	GNZ	P	Z	19 09 35,2		-1,06														
		I	Z	48,0																
	MNW	P	Z	19 09 37		-1,26														
NOV 05	22	02	47,9	34,1N 138,9E	34KM	5,1	HONSHU	JAPAN												
	KRP	EP	Z	22 14 51		-1,71														
NOV 06	04	02	08,3	17,0S 167,5E	35KM	4,6	NEW	HEBRIDES	IS											
	KRP	P	ZNE	04 07 02,0		-0,92														
	GNZ	EP	Z	04 07 06,4		-1,06														
NOV 06	07	49	12,6	27,6S 178,4W	303KM	3,7	KERMADEC	IS												
	GNZ	EP	Z	07 51 48		-1,01														
		S	Z	53 49																
	KRP	P	ZNE	07 51 51,0		-1,31														
		S	NE	54 02																
NOV 06	08	57	13,2	34,1N 138,8E	21KM	5,0	HONSHU	JAPAN												
	KRP	EP	Z	09 09 21		-1,39														
NOV 07	21	27	43,5	22,4S 171,6E	100KM	5,1	LOYALTY	IS												
	KRP	P	ZNE	21 31 24,0		-1,04														
	GNZ	EP	Z	21 31 38,2		-0,93														
	CNZ	EP	Z	21 31 40																
NOV 07	22	59	29,0	24,0S 179,9E	518KM	4,7	SOUTH	OF	FIJI											
	KRP	P	ZNE	23 02 34,1		-1,14														
NOV 09	07	07	50,2	17,7S 167,7E	17KM	4,6	NEW	HEBRIDES	IS											
	KRP	EP	ZNE	07 12 38		-1,33														
NOV 10	13	00	41,0	25,4S 179,8E	494KM	4,3	SOUTH	OF	FIJI											
	KRP	P	ZNE	13 03 32,2		-1,20														
NOV 11	01	32	58,4	22,8S 172,6E	51KM	5,5	LOYALTY	IS												
	KRP	P	ZNE	01 36 31,0		-0,48														
	GNZ	EP	Z	01 36 46,2		-1,01														
		I	Z	49,0																
	CNZ	P	Z	01 36 48,2																
	WEL	P	ZNE	01 37 12,2		0,13														
		ES	ZE	40 40																
	MJZ	ELR	Z	01 37 42,3																

	S	Z	EPICENTRE			DEPTH	MAG	DIST	WEL	AE	TE
			H M S	DIR	LOG A/T						
	CNZ EP	Z	12 26								
	WEL P	ZNE	07 09 30			-0.58					
	MNW P	Z	07 10 50,8			-0.66					
NOV 13	H M S		EPICENTRE	DEPTH	MAG		DIST				
	17 59 40,4		29,3S 68,1W	34KM	6.0	ARGENTINA					
	GNZ P	Z	H M S	DIR	LOG A/T	AZ TZ AN TN	AE	TE			
	I	Z	18 12 32,8			-1.01					
	MJZ P	Z	18 12 35,6								
	CNZ EP	Z	18 12 36								
	MNW EP	Z	18 12 37			-0.86					
	KRP P	ZNE	18 12 40,0			-0.95					
NOV 15	H M S		EPICENTRE	DEPTH	MAG		DIST				
	11 18 50,3		0,3S 18,6W	26KM	5.8	MID-ATLANTIC RIDGE					
	WEL ESKP	Z	H M S	DIR	LOG A/T	AZ TZ AN TN	AE	TE			
	ESS	ZNE	11 41 41								
	ELQ	E	58 12			7 36 15 48	9 44	12 60			
NOV 15	ECZ EP	Z	23 52 37								
	KRP P	Z	23 52 41			-1.04					
	GNZ EP	Z	23 52 45			-0.91					
	ES	Z	55 05								
	CNZ EP	Z	23 52 53								
	ES	Z	55 25								
NOV 16	H M S		EPICENTRE	DEPTH	MAG		DIST				
	01 03 55,8		36,4N 71,1E	244KM	5.5	AFGHANISTAN BORDER					
	KRP EPKP	Z	H M S	DIR	LOG A/T	AZ TZ AN TN	AE	TE			
		Z	01 22 20								
NOV 16	H M S		EPICENTRE	DEPTH	MAG		DIST				
	15 24 43,0		31,0N 41,5W	17KM	6.0	N ATLANTIC RIDGE					
	KRP EPKP	Z	H M S	DIR	LOG A/T	AZ TZ AN TN	AE	TE			
	I	ZNE	15 44 25								
	GNZ EPKP	Z	15 44 28								
	CNZ PKP	Z	15 44 31								
	MNG PKP	Z	15 44 31								
	WEL EPKP	Z	15 44 33							2 7	
NOV 16	H M S		EPICENTRE	DEPTH	MAG		DIST				
	17 05 38,1		25,5N 125,2E	79KM	5.9	SW RYUKYU IS					
	KRP P	Z	H M S	DIR	LOG A/T	AZ TZ AN TN	AE	TE			
	CNZ P	Z	17 17 33,8			-1.09					
	MNG IP	Z	17 17 38,8								
	GNZ EP	Z	17 17 42,3 U			-0.87					
	MJZ P	Z	17 17 43								
	MNW P	Z	17 17 44			-0.86					
NOV 18	H M S		EPICENTRE	DEPTH	MAG		DIST				
	10 45 11,7		20,2S 176,7W	285KM	4.4	FIJI IS					
	KRP EP	Z	H M S	DIR	LOG A/T	AZ TZ AN TN	AE	TE			
	GNZ EP	Z	10 49 16			-1.31					
	MNG EP	Z	10 49 17			-1.21					
NOV 18	H M S		EPICENTRE	DEPTH	MAG		DIST				
	17 17 19,2		7,1S 129,4E	166KM	5.6	BANDA SEA					
	GNZ EP	Z	H M S	DIR	LOG A/T	AZ TZ AN TN	AE	TE			
	KRP EP	Z	17 26 27			-0.99					
	MNG EP	Z	17 26 12			-1.51					

	S	Z	EPICENTRE			DEPTH	MAG	DIST	WEL	AE	TE
			H M S	DIR	LOG A/T						
	HJZ P	Z	17 26 09								
	MNG *PP	Z	17 26 55								
	MNW P	Z	17 26 45			-0.69				6.1	
NOV 18	H M S		EPICENTRE	DEPTH	MAG		DIST				
	20 00 19,5		18,8S 177,8W	420KM	5.6	FIJI IS					
	ONE EP	E	H M S	DIR	LOG A/T	AZ TZ AN TN	AE	TE			
	*PP	E	20 04 10								
	ES	E	05 10								
	AUC P	Z	07 19								
	*PP	Z	20 04 16,3								
	ECZ P	Z	05 19,0								
	SCS	Z	20 04 16,7								
	S	Z	15 01								
	KRP P	ZNE	07 31								
	*PP	ZNE	20 04 22,7			0.12				6.5	
	ES	ZNE	05 27,2								
	GNZ P	Z	07 44								
	I	Z	20 04 23,6			-0.58				5.6	
	S	Z	26,0								
	SCP	Z	07 45								
	E	Z	11 28,5								
	SCS	Z	14 58								
	E	Z	15 05								
	TUA EP	Z	15 05								
	I	Z	20 04 24,0								
	ES	Z	26,6								
	E	Z	07 50								
	SCP	Z	08 05								
	E	Z	11 16								
	SCS	Z	14 54								
	SCS	Z	15 03,0								
	CNZ P	Z	20 04 32,8								
	*PP	Z	05 35,8								
	TNZ P	Z	20 04 37,8								
	*PP	Z	05 43,5								
	MNG P	Z	20 04 42,3								
	S	Z	08 19								
	SCP	Z	11 21								
	E	Z	15 04								
	SCS	Z	10								
	WEL P	ZNE	20 04 51,5			-0.15				6.2	
	E+PP	Z	06 13								
	S	NE	08 30								
	SCP	Z	11 26								
	SCS	ZNE	15 11								
	COB E	E	20 04							11 8 13 8	
	KAI E(P)	N	20 05 15								
	E+PP	N	06 25								
	ES	N	09 22								
	GPZ EP	N	20 05 19								
	E+PP	N	06 36								
	S	N	09 32								
	SCS	N	15 23								
	MJZ P	Z	20 05 25								
	*PP	Z	06 40,5								
	SCS	Z	11 35								
	ROX EP	Z	20 05 38			-0.82				5.5	
	*PP	ZN	06 53								
	SCP	Z	11 42								
	LQ	NE	12 22							4 5 4 6	
	SCS	NE	15 37							5 14 8 12	
	MNW P	Z	20 05 47,8			-0.47				7 6 10 7	
	*PP	Z	07 05							5.9	

H	M	S	EPICENTRE	DEPTH	MAG	DIST
			H M S	DIR	LOG A/T	AZ TZ AN TN
NOV 18	20	47	5,1S 145,3E	61KM	5.0	EAST NEW GUINEA
	KRP	P	ZNE 20 55 50,6		-1,16	
	MNG	P	Z 20 56 03,8			
	MNW	EP	Z 20 56 07		-1,43	
NOV 19	01	14	29,6S 178,5W	24KM	4,6	KERMADEC IS
	GNZ	P	Z 01 16 46,2		-1,08	
		I	Z 01 16 54			
	KRP	P	ZNE 01 16 55		-0,95	
	MJZ	EP	Z 01 18 20			
NOV 19	07	08	29,6S 178,6W	6KM	4,9	KERMADEC IS
	ECZ	EP	Z 07 10 10			
		E	Z 07 10 16			
		E	Z 07 10 27			
	ONE	P	E 07 10 17,8			
	GNZ	EP	Z 07 10 25		-0,93	
		E	Z 07 10 45			
	KRP	P	ZNE 07 10 29		-0,69	
		E	ZNE 07 10 53			
	CNZ	EP	Z 07 10 48			
	MNG	EP	Z 07 10 56			
		I	Z 07 11 15			
	WEL	EP	ZNE 07 11 20			2 9
		ES	ZNE 07 13 38			32 30 51 34
		ELQ	ZNE 07 14 08			110 21
		ELR	Z 07 12 07,4			
	MJZ	EP	Z 07 12 39		-1,36	
NOV 19	07	37	29,6S 178,2W	30KM	4,3	KERMADEC IS
	ONE	EP	E 07 39 30			
	KRP	EP	ZNE 07 39 49		-1,30	
	MNG	EP	Z 07 40 03,3			
NOV 20	03	47	15,0S 174,7W	33KM	5,2	TONGA IS
	KRP	EP	Z 03 53 20		-1,73	
NOV 20	06	53	3,3S 143,0E	34KM	5,6	NEW GUINEA
	KRP	EP	Z 07 02 17		-1,60	
	CNZ	EP	Z 07 02 26,5			
	MNG	EP	Z 07 02 30			
NOV 20	09	56	5,8S 153,2E	45KM	4,9	NEW IRELAND
	KRP	EP	Z 10 03 52		-1,63	
	CNZ	EP	Z 10 04 01			
	MNG	EP	Z 10 04 09			
	MJZ	EP	Z 10 04 19,0			
	MNW	EP	Z 10 04 24		-1,46	

H	M	S	EPICENTRE	DEPTH	MAG	DIST
			H M S	DIR	LOG A/T	AZ TZ AN TN
NOV 20	15	05	7,3S 129,2E	140KM	6,1	BANDA SEA
	KRP	P	Z 15 14 26,0		-1,50	
		*PP	Z 15 14 10			
		SCP	ZN 19 30,2			
	MNW	P	Z 15 14 27		-0,95	5,9
		ESCP	Z 19 24			
	MJZ	P	Z 15 14 32,0			
		ESCP	Z 19 28,0			
	CNZ	EP	Z 15 14 40,0			
		E	Z 15 45			
		*PP	Z 15 14 54			
	WEL	EP	Z 15 14 42		-1,13	5,8
	MNG	P	Z 15 14 43,0			
	GNZ	P	Z 15 14 50,2		-1,07	5,9
NOV 20	18	34	10,1N 126,2E	64KM	5,1	PHILIPPINE IS
	KRP	EP	Z 18 45 11		-1,88	5,2
	MJZ	EP	Z 18 45 42			
NOV 21	06	53	21,5S 177,1W	256KM	4,1	FIJI IS
	KRP	EP	Z 06 57 22		-1,77	4,6
NOV 21	10	31	6,3S 130,3E	132KM	6,6	BANDA SEA
	MNW	EP	Z 10 40 42,5		-1,39	5,5
		I	Z 46,2			
	MJZ	P	Z 10 40 46,3			
		I	Z 49,1			
		SCP	Z 45 45			
	KRP	EP	Z 10 40 48,8		-1,30	5,7
		I	ZNE 51,6			
		E*PP	Z 41 19			
		SCP	Z 45 47			
	RDX	E	ZNE 10 40 50			
		S	NE 47 56			32 21 6 23
		ELQ	NE 52 30			18 18 11 20
	CNZ	EP	Z 10 40 53,0			
		I	Z 55,0			
		ESCP	Z 45 48			
	MNG	EP	Z 10 40 55,6			
		I	Z 58,2			
		*PP	Z 41 27,5			
		ESCP	Z 45 52			
	WEL	EP	Z 10 40 56,0		-1,20	5,8
		I	ZNE 57,4 D			3 15
		*PP	Z 26			7 15
		S	ZNE 48 08			6 23 3 9 5 9
		*SS	N 58			8 9
		ELQ	NE 54			
		LR	Z 57			39 50
	GNZ	P	Z 10 41 05,2		-0,39	6,6
NOV 21	12	08	19,6S 175,8W	250KM	4,4	TONGA IS
	KRP	EP	ZNE 12 12 46		-1,61	4,8
	GNZ	EP	Z 12 12 46		-1,17	5,2

	H M S	EPICENTRE	DEPTH	MAG		DIST
		H M S	DIR	LOG A/T	AZ TZ AN TN	WEL
NOV 22	12 01 44,0	52,1S 15,6E	33KM	5,6	SW OF AFRICA	18
	MJZ P	Z 12 14 01,0				
	CNZ P	Z 12 14 28,0				
	KRP P	Z 12 14 32,5		-1,39		
	MNW EP	Z 12 13 48		-1,17		
NOV 22	14 00 27,2	51,9N 176,1W	49KM	5,6	ALEUTIAN IS	
	KRP P	ZE 14 13 21,0		-0,97		
	E	Z 36				
NOV 22	19 09 09,4	12,0S 167,4E	326KM	5,2	SANTA CRUZ IS	
	CNZ EP	Z 19 14 33				
	MNG IP	Z 19 14 42,6				
	MJZ EP	Z 19 15 08				
NOV 22	20 25 31,1	51,4N 179,7W	40KM	5,9	ALEUTIAN IS	
	KRP P	ZE 20 38 22		-0,76		
	CNZ EP	Z 20 38 26				
	MNG EP	Z 20 38 32				
	MJZ EP	Z 20 38 51				
NOV 23	01 17 30,8	3,0N 124,8E	40KM	5,6	CELEBES SEA	
	MNW P	Z 01 27 46		-0,43		
	MJZ P	Z 01 27 49,5				
	KRP EP	ZNE 01 27 50,0		-1,52		
	E	ZNE 57,0				
	MNG EP	Z 01 27 57				
	GNZ P	Z 01 28 06,0		-0,93		
	WEL EP	Z 01 28 08		-1,03		
NOV 23	02 17 49,7	51,4N 179,7W	49KM	5,6	ALEUTIAN IS	
	KRP P	Z 02 30 40,0		-1,09		
	MNG EP	Z 02 30 50				
NOV 23	12 55 50,3	17,1S 174,0W	96KM	4,4	TONGA IS	
	GNZ EP	Z 13 00 43,0		-0,66		
	KRP EP	Z 13 00 44,4		-1,68		
	I	Z 46,2				
	CNZ EP	Z 13 00 53				
	MNG EP	Z 13 01 04				
	MJZ EP	Z 13 01 50				
	MNW EP	Z 13 02 11		-1,48		
NOV 23	16 31 05,9	8,7S 111,0E	60KM	5,9	JAVA	
	MNW P	Z 16 41 13,8		-1,00		
	MJZ P	Z 16 41 22,9				
	KRP P	Z 16 41 39,5		-1,46		
	CNZ EP	Z 16 41 40				
	MNG P	Z 16 41 40,3				

	H M S	EPICENTRE	DEPTH	MAG		DIST (DEG)
		H M S	DIR	LOG A/T	AZ TZ AN TN	WEL
NOV 24	06 51 56,4	23,9S 179,9W	535KM	5,0	SOUTH OF FIJI	18
	GNZ EP	Z 06 55 01		-1,17		
	S	Z 57 42				
	KRP EP	Z 06 55 02		-1,49		
	I	Z 05				
	S	NE 57 42				
	CNZ EP	Z 06 55 15,0				
	E	Z 17,4				
	MNG P	Z 06 55 23,0				
	S	Z 58 15				
	MJZ P	Z 06 56 09				
	WEL S	ZNE 06 58 30				
NOV 24	10 52 59,3	20,9S 179,3W	626KM	5,3	FIJI IS	21
	KRP P	Z 10 56 29,8		-1,38		4,9
	GNZ P	Z 10 56 30		-1,17		5,1
	MNG EP	Z 10 56 49				
NOV 25	03 12 13,6					
	S	Z 13 21				
	GNZ P	Z 03 12 25		-0,44		
	S	Z 13 42				
	MNG EP	Z 03 12 58				
	ES	Z 14 38				
	WEL S	Z 03 15 00				
NOV 25	10 50 40,7	17,1S 100,2W	45KM	5,8	PACIFIC OCEAN	75
	MNG P	Z 11 02 17				
	MJZ EP	Z 11 02 35				
NOV 25	11 43 01,6	16,2S 167,9E	183KM	4,5	NEW HEBRIDES IS	26
	GNZ EP	Z 11 48 01		-0,98		5,6
	MNG P	Z 11 48 10,0				
	MJZ P	Z 11 48 36,0				
NOV 25	16 33 35	28,4S 176,4W	49KM	4,4	KERMADEC IS	15
	MNG EP	Z 16 35 44				
	ES	Z 39 32				
NOV 25	16 36 15,9	28,6S 176,6W	59KM	5,1	KERMADEC IS	14
	GNZ EP	Z 16 38 13		-1,30		
	ES	Z 40 55				
	ECZ E(P)	Z 16 38 19				
	ONE E(P)	E 16 38 56				
	MNG EP	Z 16 39 08				
	ES	Z 41 48				
	WEL S	NE 16 42 09				
	ELR	Z 44			11 18	
NOV 25	22 30 45	22,9S 175,9W	33KM	4,4	TONGA IS	20
	MNG EP	Z 22 35 56				

	H	M	S	EPICENTRE	DEPTH	MAG		DIST
NOV 25	22	35	37,3	3,9S 150,4E	455KM	5,5	NEW IRELAND	WEL 75
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	GNZ	P	Z	22 42 53,5		-0,32		
	MNG	IP	Z	22 42 55,0	D			
	WEL	P	Z	22 42 56		-0,60		
NOV 26	00	17	16,1	32,1N 140,8E	43KM	5,5	JAPAN	WEL 154
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	MNG	EP	Z	00 29 17				
NOV 26	08	43	03	15,8S 167,2E	33KM		EBRIDES IS	WEL 13
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	MNG	EP	Z	08 48 31				
NOV 27	01	29	49,5	6,1S 148,5E	56KM	6,0	NEW BRITAIN	WEL 13
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	CNZ	P	Z	01 37 29,8				
	MNG	P	Z	01 37 36				
	GNZ	P	Z	01 37 37		-0,87		
	MNW	EP	Z	01 37 44		-1,17		
NOV 27	03	04	16,1	30,6N 140,3E	20KM	5,2	JAPAN	WEL 73
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	CNZ	EP	Z	03 16 11				
	MNG	P	Z	03 16 13,2				
NOV 27	08	27	48	20,8S 178,1W	410KM	4,3	FIJI IS	WEL 21
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	GNZ	EP	Z	08 31 32		-1,30		
	MNG	EP	Z	08 31 53				
NOV 27	08	42	24,8	32,9N 140,6E	77KM	5,7	JAPAN	WEL 65
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	CNZ	P	Z	08 54 21,0				
	MNG	EP	Z	08 54 24				
NOV 27	12	01	51,5	9,7S 159,8E	41KM	6,0	SOLOMON IS	WEL 21
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	CNZ	P	Z	12 08 22				
	GNZ	P	Z	12 08 28		-0,66		
	MNG	P	Z	12 08 30,8				
	WEL	EP	Z	12 08 32		-0,38	1 12	
	ES		ZE	14 00				
	ELR		Z	18 20			6 24	
	MNW	P	Z	12 08 55		-0,53		
NOV 27	14	44	24,2	10,8S 163,5E	33KM	5,4	SOLOMON IS	WEL 65
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	MNG	EP	Z	14 50 44				
NOV 27	18	18	59,5	17,2S 167,5E	33KM	4,1	NEW HEBRIDES IS	WEL 65
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	MNG	EP	Z	18 24 15				

	H	M	S	EPICENTRE	DEPTH	MAG		DIST (DEG)
NOV 28	03	56	45,7	45,7S 72,6W	33KM	5,8	SOUTHERN CHILE	WEL 75
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	WEL	P	Z	04 08 19			1 10	5,9
	ELR		ZE	28				
	GNZ	EP	Z	04 08 21		-0,87		6,2
	MNW	EP	Z	04 08 22		-1,05		6,0
	CNZ	P	Z	04 08 26,4				
NOV 28	05	26	07,4	36,3N 27,5E	89KM	5,8	DODECANESE IS	WEL 154
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	MNW	PKP	Z	05 45 46,0				
NOV 28	12	51	19,7	30,3S 176,2W	34KM	5,3	KERMADEC IS	WEL 13
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	ECZ	EP	Z	12 53 23				
	S		Z	55 03				
	GNZ	EP	Z	12 53 34		-1,21		
	ES		Z	55 17				
	WEL	E(P)	Z	12 54 29		-1,18		
	IS		ZNE	56 41,0			2 24	
	ELR		Z	57 45				
	MNW	P	Z	12 55 50		-1,46		4,7
NOV 28	21	31	46,9	4,9S 103,2E	85KM	5,9	SOUTHERN SUMATRA	WEL 73
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	MNW	P	Z	21 42 44,4		-1,26		5,7
	KRP	P	Z	21 43 11		-0,77		6,2
	CNZ	P	Z	21 43 11,4				
	GNZ	P	Z	21 43 21		-0,87		6,1
NOV 29	03	55	43,1	20,9S 175,2W	80KM	4,8	TONGA IS	WEL 22
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	GNZ	P	Z	03 59 58,5		-0,50		5,6
	KRP	P	ZNE	03 59 59,3		-1,05		5,1
	WEL	EP	ZNE	04 00 34		-0,82		5,4
	S		ZNE	04 27				
	ELR		Z	07 10				
NOV 29	04	48	30,9	20,6S 178,6W	594KM	5,1	FIJI IS	WEL 21
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	P	Z	04 52 06,8		-0,95		5,5
	GNZ	P	Z	04 52 08,0				
	MNG	P	Z	04 52 26,6				
	MNW	P	Z	04 53 31,8		-1,36		5,1
NOV 29	09	00	08,0	45,0N 146,7E	145KM	5,4	KURILE IS	WEL 90
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	MNG	P	Z	09 12 47,0				
	MJZ	EP	Z	09 12 58,0				
NOV 29	10	21	26,9	4,6N 124,2E	479KM	5,0	CELEBES SEA	WEL 65
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	MNW	P	Z	10 31 09,8		-1,43		5,2
	MJZ	P	Z	10 31 13,0				
	KRP	P	Z	10 31 13,7		-1,41		5,3
	MNG	P	Z	10 31 19,0				

	H	M	S	EPICENTRE	DEPTH	MAG		DIST
				H M S	KM		LOG A/T AZ TZ AN TN	WEL
NOV 29	15	05	51.6	16.2S 174.8W	64KM	4.5	TONGA IS	
	KRP	P	Z	15 10 54		-1.39		
NOV 30	19	47	24.5	16.9S 174.5E	21KM	5.0	FIJI IS	
	KRP	P	ZE	19 52 11		-1.27		
	CNZ	EP	Z	19 52 24				
	MNG	EP	Z	19 52 35				
NOV 30	22	29	53	23.1S 175.8W	77KM	5.1	TONGA IS	
	KRP	P	ZNE	22 33 41.0		-1.09		
	GNZ	EP	Z	22 33 41		-0.80		
		ES	Z	22 36 36				
	CNZ	P	Z	22 33 52				
		ES	Z	22 37 05				
	MNG	P	Z	22 34 04				
		S	Z	22 37 24				
	WEL	EP	Z	22 34 18		-0.81		
		S	ZNE	22 37 44				
	MJZ	EP	Z	22 34 58				
		ES	Z	22 39 11				
	MNW	P	Z	22 35 22		-1.06		
DEC 01	00	56	02.2	3.2S 142.2E	72KM	5.0	NEW GUINEA	
	KRP	P	Z	01 04 21				
	CNZ	P	Z	01 04 27.5				
	MNG	P	Z	01 04 33				
	MJZ	EP	Z	01 04 39				
DEC 01	04	59	24.5	27.9S 177.3W	113KM	3.9	KERMADEC IS	
	KRP	E(P)	Z	05 02 22.5				
	CNZ	EP	Z	05 02 24				
	MNG	EP	Z	05 02 34				
		E(S)	Z	05 02				
	WEL	E	Z	05 02 52				
		S	NE	05 05 20				
	ROX	EP?	Z	05 03 06				
	GNZ	E	Z	05 03 18				
		E(S)	Z	04 06				
	ECZ	E(S)	Z	05 03 43				
	TUA	S	Z	05 04 14				
	GPZ	S	N	05 06 26.5				
DEC 01	05	38	27.5	4.2S 152.8E	61KM	4.7	NEW BRITAIN	
	KRP	P	Z	05 46 10		-1.71		
	MJZ	EP	Z	05 46 19				
	MNW	P	Z	05 46 25		-1.86		
DEC 01	ONE	E	E	07 18 31				
	KRP	P	ZNE	07 18 47				
	CNZ	P	Z	07 18 58				
	GNZ	P?	Z	07 18 59				
	TNZ	EP	Z	07 19 02				
	MNG	P	Z	07 19 09				
		ES	Z	21 46				

TON	E	Z	07 19 11					
WEL	P	Z	07 19 18			-0.77		
COB	EP	E	07 19 20					
GPZ	EP	N	07 19 43					
	ES	N	22 52					
MJZ	EP	Z	07 19 50					
MNW	EP	Z	07 20 13					
DEC 01	14	17	18.0	4.4S 139.8E	53KM		NEW GUINEA	
	KRP	EP	Z	14 25 46				
	CNZ	EP	Z	14 25 53				
	MNG	EP	Z	14 25 56				
DEC 01	17	09	07.0	42.1S 87.9E	33KM	5.2	INDIAN RISE	
	MNG	EP?	Z	17 19 23				
		E	Z	38				
DEC 02	05	58	41.8	51.3N 176.3E	17KM	5.1	ALEUTIAN IS	
	KRP	EP?	Z	06 11 36				
		E	Z	43				
	CNZ	E	Z	06 12 35				
DEC 02	06	44	52.8	15.1S 168.3E	36KM	4.4	NEW HEBRIDES IS	
	KRP	EP	Z	06 50 11				
	CNZ	E(P)	Z	06 50 20				
	MNG	P	Z	06 50 30				
DEC 02	13	26	45.6	2.9S 142.0E	50KM	5.1	NEW GUINEA	
	KRP	P	Z	13 35 10.5				
		E	Z	33				
	CNZ	P	Z	13 35 17				
	MNG	P	Z	13 35 21				
	MJZ	E(P)	Z	13 35 22				
DEC 02	23	38	13.0	15.3S 173.1W	17KM	5.6	TONGA IS	
	KRP	EP	Z	23 43 34				
	GNZ	P	Z	23 43 34		-0.86		5.6
	CNZ	EP	Z	23 43 41.5				
	MNG	P	Z	23 43 54.5				
	WEL	EP	Z	23 44 03				
	MNW	EP	Z	23 45 00				
DEC 03	03	03	36.0	6.2S 112.9E	613KM		JAVA	
	KRP	EP	Z	03 13 18				
	CNZ	EP	Z	03 13 19				
	MNG	P	Z	03 13 20				
DEC 03	03	37	39.0	20.9S 178.9W	575KM	4.5	FIJI IS	
	KRP	EP	Z	03 41 13				
	GNZ	P	Z	03 41 15		-1.21		5.3
	MNG	P?	Z	03 41 32.5				

DATE	H	M	S	EPICENTRE	DEPTH	MAG	LOCATION	DIST
DEC 03	06	45	02,8	20,7S 174,0W	33KM	5,4	TONGA IS	WEL 123
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	06 49 29				
		E	Z	37				
	GNZ	P	Z	06 49 30				
	CNZ	EP	Z	06 49 39,5				
	MNG	EP	Z	06 49 52,5				
		E	Z	50 36				
		E	Z	53 40				
		E(S)	Z	51				
	WEL	EP	Z	06 50 06				
	MNW	EP	Z	06 51 01				
DEC 03	07	06	13,0	5,6N 95,4E	21KM	4,7	SUMARA	WEL 62
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	MNG	EP	Z	07 18 54				
DEC 03	15	21	24,0	47,4S 99,9E	33KM		INDIAN RISE	WEL 41
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	MNG	P	Z	15 30 36				
	CNZ	EP	Z	15 30 41				
		E	Z	49				
	KRP	E	Z	15 30 55				
DEC 03	17	10	39,0	16,1S 177,9W	33KM	4,7	FIJI IS	WEL 40
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	17 15 36				
	MNG	EP	Z	17 16 00				
DEC 03								
	KRP	EP	Z	17 11 26				
DEC 03	18	06	49,0	30,7S 178,0W	44KM		KERMADEC IS	WEL 81
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	ECZ	P	Z	18 08 36				
		ES	Z	10 02				
	AUC	EP	Z	18 08 48				
	GNZ	EP	Z	18 08 48				
		ES	Z	10 17				
	ONE	EP	E	18 08 49				
	KRP	E(P)	Z	18 08 57				
	CNZ	EP	Z	18 09 09				
		ES	Z	11 01				
	MNG	EP	Z	18 09 19				
		ES	Z	11 20				
	MNW	EP	Z	18 11 05,5				
	WEL	S	NE	18 11 39				
	GPZ	S	N	18 12 45				
DEC 03								
	MNG	EP	Z	18 47 23				
	CNZ	EP	Z	18 47 44				
DEC 03	20	29	51,0	55,9S 127,3W	33KM	4,7	SOUTH PACIFIC	WEL 94
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	MNG	EP	Z	20 37 16				
	CNZ	EP?	Z	20 37 25				
		E	Z	39,5				
	KRP	E	Z	20 37 49				

DATE	H	M	S	EPICENTRE	DEPTH	MAG	LOCATION	DIST
DEC 03	21	17	40,8	36,3N 69,4E	74KM	5,4	HINDU KUSH	WEL 123
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	EPKP	Z	21 36 28				
	CNZ	EPKP	Z	21 36 29				
DEC 04	02	11	50,0	51,1N 170,7W	19KM	5,7	ALEUTIAN IS	WEL 93
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	02 24 45,5				
		E	Z	51,5				
	CNZ	EP	Z	02 24 54,5				
DEC 04	03	00	48,0	35,5S 103,1W	33KM	4,9	SOUTH PACIFIC	WEL 62
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	MNG	EP	Z	03 11 03				
	WEL	E(S)	Z	03 19 42				
		ELR	Z	29				
DEC 04	13	10	11,0	5,3S 153,5E	55KM		NEW IRELAND	WEL 41
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	P	Z	13 17 25				
	CNZ	P	Z	13 17 34				
	GNZ	E(P)	Z	13 17 38				
	MNG	P	Z	13 17 41				
DEC 05	10	19	11,9	5,8S 152,9E	80KM	4,6	NEW BRITAIN	WEL 40
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	10 26 34				
	MNG	E(P)	Z	10 26 53				
	MNW	P?	Z	10 27 05				
DEC 05	16	30	56,7	24,0N 121,9E	27KM	5,3	TAIWAN	WEL 81
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	E(P)	Z	16 43 03				
	CNZ	EP	Z	16 43 05,5				
DEC 05	17	13	39,0	19,8S 177,9W	348KM	4,4	FIJI IS	WEL 22
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	P	Z	17 17 37				
DEC 05	18	14	50,7	52,6N 173,2E	38KM	5,6	ALEUTIAN IS	WEL 94
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	E	Z	18 27 48				
	MNG	EP	Z	18 27 51				
DEC 06	11	34	51,9	19,0N 107,1W	20KM	5,9	MEXICO	WEL 94
				H M S	DIR	LOG A/T	AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	11 48 01,5				
		E	Z	06				
		(PCP)	Z	12,5				
	WEL	E(P)	Z	11 48 08				
		EPP	ZE	51 50				
		E	Z	58 15				
		S	N	59 28			4 10	6,7
		E(SP)	Z	12 01				
		ESS	ZN	05 50				
		LQ	N	12				
		LR	ZNE	17				

		H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)				
		H M S			LOG A/T	AZ	TZ	AN	TN	AE	TE	MAG
MNG	E(P)	Z	11	48	10							
ROX	PP	ZE	11	52	35							
	ESKS	NE	59	04								
	ES	N	12	00	12							3 20
	PS	EN	01	36								5 18
	ESS	N	06	30								6 24
	ESSS	NE	10	30								6 23
	ELR	ZNE	20									24 19
	MAX	ZE	26									25 18
DEC 06		H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)				
		20 26 44,7			16,2S 173,6W	68KM	4,7	TONGA IS				
	KRP	P	Z	20	31	52						
	MNG	EP	Z	20	32	13						
DEC 07		H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)				
		12 26 25,0			24,0S 176,9W	56KM	4,4	FIJI IS				
	KRP	P	Z	12	30	03						
	CNZ	P	Z	12	30	14,5						
	E(S)	Z		33	17							
	MNG	EP	Z	12	30	23						
	E(S)	Z		33	32							
	MJZ	EP	Z	12	31	20,5						
	MNW	EP	Z	12	31	44						
	WEL	S	E	12	33	48						
DEC 07		H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)				
		21 05 51,6			15,5S 173,4W	66KM	4,8	TONGA IS				
	KRP	EP	Z	21	11	07						
	GNZ	EP	Z	21	11	07						
	CNZ	P	Z	21	11	19						-1,06
	MNG	P	Z	21	11	26,5						
	MJZ	EP	Z	21	12	12						
	MNW	EP	Z	21	12	31						
DEC 07		H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)				
		22 19 15,6			6,4S 146,3E	116KM	6,1	NEW GUINEA				
	TNZ	P	Z	22	26	24,5 D						
	KRP	IP	Z	22	26	51,4 D						
		PCP	Z		28	47						
		(SCP)	Z		32	30						
		(S)	E		55							
	CNZ	P	Z	22	26	59,2 U						
	MNG	IP	Z	22	27	05,0 D						
		E(+PP)	Z		31							
		I	Z		44							
		E	Z		33	18						
		(S)	Z		24							
	MJZ	EP	Z	22	27	05,5						
		(SCP)	Z		32	35						
	WEL	EP	Z	22	27	05,7 D						-0,65
		E(+PP)	Z		32							
		S	NE		33	21						5 7
	GNZ	P	Z	22	27	06,3 D						-0,20
		ES	Z		33	27						
	MNW	P	Z	22	27	08						-1,21
		E	Z		28							
		ES	Z		33	25						
	ROX	EP	Z	22	27	11						
		ES	NE		33	30						
		ESCS	NE		37	02						
		E*SSCS	NE		53							

		H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)				
		H M S			LOG A/T	AZ	TZ	AN	TN	AE	TE	MAG
DEC 08		06	43	38,0	7,1S 129,0E	189KM	5,4	BANDA SEA				
	MNW	EP	Z	06	52	21,5 D						
	MJZ	P	Z	06	52	26,7 D						
	TNZ	P	Z	06	52	29						
	KRP	P	Z	06	52	31						
	CNZ	P	Z	06	52	34,5						
	MNG	EP	Z	06	52	35						
	WEL	P	Z	06	52	35						-1,03
	GNZ	P	Z	06	52	45						5,8
DEC 08		H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)				
		19 06 06,0			20,5S 178,6W	551KM	4,6	FIJI IS				
	KRP	P	Z	19	09	47						
	MJZ	EP	Z	19	10	50						
	MNW	P	Z	19	11	11						-1,96
	MNG	E(S)	Z	19	13	19						4,5
		E	Z		33							
		(SCP)	Z		16	33						
DEC 09		H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)				
		06 07 47,7			17,3N 100,0W	54KM	6,0	MEXICO				
	WEL	E(P)	Z	06	21	22						
		EPP	Z		25	20						
		ESKS	E		32	02						
		E(S)	E		58							
		ESP	Z		34	06						
		ESS	Z		39	15						
		ELR	ZE		52							
		MAX	ZE		58							11 18
	ROX	SKS	NE	06	32	24						8 18
		EPS	E		35							
		ESS	E		40							
		ELR	ZNF		55							
		MAX	E		58							6 20
DEC 09		H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)				
		06 41 47,0			17,0S 177,3W	338KM	4,1	FIJI IS				
	KRP	P	Z	06	46	11						
	MNG	EP	Z	06	46	31						
DEC 09		H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)				
		07 58 09,8			15,1S 177,4W	390KM	4,2	FIJI IS				
	KRP	P	Z	08	02	47						
	MNG	P	Z	08	03	08						
	MNW	EP	Z	08	04	10						-1,66
DEC 09		H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)				
		13 12 55,7			18,1S 178,1W	653KM	5,6	FIJI IS				
	KRP	IP	Z	13	16	54,0 U						
		(+PP)	Z		18	26						
		E(S)	ZN		19	36						
	GNZ	EP	Z	13	16	55						-0,66
	CNZ	P	Z	13	17	02						5,7
		E	Z		22	24						
	MNG	EP	Z	13	17	13						U
		E	Z		19	51						
		E(S)	Z		20	35						
		(SCP)	Z		23	18						
		E(SCS)	Z		27	03						

		EPICENTRE		DEPTH	MAG	DIST (DEG)					
		H	M	S	DIR	LOG A/T	AZ	TZ	AN	TE	MAG
WEL	P	13	17	21,5	U	-0,09					
	+SP			20							
	E(PCP)	ZNF		32							
	ES	N		53							
	E	E		22							
	SCS	NE		27							
ROX	EP	Z	13	18	08						
	SCP	Z		23	38						
MNW	P	Z	13	18	16,5	U					
DEC 09	H M S	EPICENTRE		DEPTH	MAG	DIST (DEG)					
	13 25 40,5	18,0S	178,1W	650KM	5,0	FIJI IS					
		H M S		DIR		LOG A/T	AZ	TZ	AN	TN	AE TE
KRP	P	Z	13	29	39,0	U					
GNZ	EP	Z	13	29	40,5						
CNZ	P	Z	13	29	47						
MNG	P	Z	13	29	58						
	(SCP)	Z		36	03						
WEL	EP	Z	13	30	06						
MNW	P	Z	13	31	01						
DEC 09	H M S	EPICENTRE		DEPTH	MAG	DIST (DEG)					
	15 46 54,0	15,5S	177,7W	402KM	4,4	FIJI IS					
		H M S		DIR		LOG A/T	AZ	TZ	AN	TN	AE TE
KRP	P	Z	15	51	27						
GNZ	EP	Z	15	51	29						
MNG	P	Z	15	51	46						
WEL	EP	Z	15	51	54						
MNW	P	Z	15	52	50						
DEC 10	H M S	EPICENTRE		DEPTH	MAG	DIST (DEG)					
	08 00 36,6	10,3S	161,6E	68KM	4,9	SOLOMON IS					
		H M S		DIR		LOG A/T	AZ	TZ	AN	TN	AE TE
KRP	EP	Z	08	06	44						
CNZ	EP	Z	08	06	54						
MNG	P	Z	08	07	02						
DEC 10	GNZ	EP?	Z	11	33	13					
	E	Z			26						
	(S)	Z			34	58					
ONE	EP?	E	11	33	15						
KRP	P	Z	11	33	30						
	E	ZE			34	20					
	ES	E			35	25					
CNZ	EP	Z	11	33	38						
	ES	Z			35	32					
MNG	EP	Z	11	33	49						
	E	Z			34	01					
	ES	Z			35	55					
ECZ	E(S)	Z	11	34	47						
TUA	ES	Z	11	35	10						
ECZ	E	Z	11	35	26						
MNW	E	Z	11	35	38						
WEL	S	ZNE	11	36	15						
	EL	Z			41						
GPZ	ES	N	11	37	23						
DEC 10	H M S	EPICENTRE		DEPTH	MAG	DIST (DEG)					
	21 53 17,2	11,3S	166,2E	52KM	5,8	SANTA CRUZ IS					
		H M S		DIR		LOG A/T	AZ	TZ	AN	TN	AE TE
KRP	P	Z	21	59	02						
	SCP	Z			22	06	00				
CNZ	P	Z	21	59	13,3						
	S	Z			22	04	10				
	ESCP	Z			06	03					
GNZ	P	Z	21	59	15						
ECZ	E	Z	21	59	19						

DISTANT EARTHQUAKES

		EPICENTRE		DEPTH	MAG	DIST (DEG)					
		H	M	S	DIR	LOG A/T	AZ	TZ	AN	TE	MAG
E	Z	22	08	30							
MNG	EP	Z	21	59	22,7						
	S	Z	22	04	17						
WEL	EP	Z	21	59	29						
	S	E	22	04	30						
ROX	EP	Z	21	59	57						
	ES	N	22	05	24						
	ELQ	E			08						
	ELR	N			10						
	MAX	NE			12				6	21	6
MNW	EP	Z	21	59	59,5	-1,39					5,5
DEC 11	H M S	EPICENTRE		DEPTH	MAG	DIST (DEG)					
	00 01 28,6	4,4S	155,0E	509KM	5,3	SOLOMON IS					
		H M S		DIR		LOG A/T	AZ	TZ	AN	TN	AE TE
KRP	P	Z	00	08	06,1	D					
	PCP	Z			10	06,8	D				
	SCP	ZE			13	08					
CNZ	EP?	Z	00	08	13,8						
	I	Z			14,8	U					
	EP	Z			10	08					
	SCP	Z			13	10					
GNZ	P	Z	00	08	19,3	-0,41					6,1
MNG	IP	Z	00	08	22,6	D					
	PCP	Z			10	12					
	E	Z			11	51					
	SCP	Z			13	14					
	ES	Z			54,5						
	EPCS	Z			14	03,5					
WEL	EP	Z	00	08	24						
	E	Z			29						
	EP	Z			10	13					
	ES	E			14	08					
MNW	P	Z	00	08	39,8	U					5,1
ROX	EP	Z	00	08	42						
DEC 11	KRP	E(P)	Z	08	26	07					
	E	ZN			15						
	EP	Z	08	26	29,5						
CNZ	EP	Z	08	26	31						
MNG	P	Z	08	26	37						
	E	Z			54						
DEC 11	KRP	P	Z	12	02	58,5					
CNZ	EP	Z	12	03	12						
	E	Z			20						
TNZ	EP	Z	12	03	16						
MNG	P?	Z	12	03	20						
	E	Z			24						
DEC 11	H M S	EPICENTRE		DEPTH	MAG	DIST (DEG)					
	12 17 03,2	50,6N	155,5E	130KM	4,8	KURILE IS					
		H M S		DIR		LOG A/T	AZ	TZ	AN	TN	AE TE
KRP	EP	Z	12	29	48						
	E(+PP)	Z			30	19					
MNG	E?	Z	12	30	44						
DEC 11	H M S	EPICENTRE		DEPTH	MAG	DIST (DEG)					
	13 40 13,6	29,8S	67,3W	31KM	5,1	ARGENTINA					
		H M S		DIR		LOG A/T	AZ	TZ	AN	TN	AE TE
KRP	EP	Z	13	53	15						
	(+PP)	Z			23						
DEC 11	KRP	EP	Z	14	49	46					
MNG	EP	Z	14	50	13						
WEL	EL	Z	14	56							
ROX	EL	E	14	57							

DATE	H M S	EPICENTRE	DEPTH	MAG	LOCATION	DIST			
						WEL	AE	TE	MAG
DEC 12	07 20 55,3	27,8S 178,0W	18KM	5,0	KERMADEC IS				
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG	
	GNZ E(P)	Z 07 23 36							
	E(S)	Z 07 25 46							
	KRP P	Z 07 23 44							
	CNZ EP	Z 07 23 59,5							
	MNG EP	Z 07 24 16							
	MNW EP	Z 07 25 44							
	TUA ES	Z 07 25 58							
	WEL S	NE 07 27 02							
DEC 12	MNG EP?	Z 15 02 52							
	E	Z 15 03 18							
	TNZ E(P)	Z 15 02 59							
	CNZ P	Z 15 02 59							
	KRP P	Z 15 03 05							
DEC 12	16 40 13,1	23,6S 175,4W	28KM	5,0	TONGA IS				
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG	
	KRP EP	Z 16 44 05							
	E(S)	E 16 47 17							
	CNZ EP	Z 16 44 18							
	S	Z 16 47 37							
	MNG P	Z 16 44 25							
	E	Z 16 47 30							
	(S)	Z 16 47 41							
	E	Z 16 47 55							
	WEL P	Z 16 44 40							
	(S)	ZNE 16 48 02							
	E	ZNE 16 48 11							
	MNW P	Z 16 45 47		-1,56					
DEC 12	KRP P	Z 20 06 32							
	MNG EP	Z 20 06 52							
	WEL E	NE 20 09 53							
DEC 12	22 35 56,5	29,3S 60,7E	33KM	5,1	INDO ATLANTIC RISE				
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG	
	MNG P	Z 22 48 45							
DEC 13	03 14 09,5	23,1S 179,9W	530KM	5,1	FIJI IS				
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG	
	KRP P	Z 03 17 22,5							
	E	NE 20 07							
	(S)	NE 20 12							
	GNZ P	Z 03 17 25							
	E	Z 03 20 07							
	MNG P	Z 03 17 45							
	ES	Z 03 20 41							
	CNZ E(S)	Z 03 20 27							
	WEL ES	E 03 21 01							
DEC 13	03 44 46,6	5,7S 133,8E	15KM	5,5	ARU IS				
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG	
	KRP P	Z 03 53 40							
	CNZ P	Z 03 53 45							
	MNG EP	Z 03 53 48							

DATE	H M S	EPICENTRE	DEPTH	MAG	LOCATION	DIST			
						WEL	AE	TE	MAG
DEC 13	05 45 15,8	44,7N 150,3E	39KM	5,5	KURILE IS				
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG	
	KRP E	Z 05 58 04							
	MJZ EP	Z 05 58 14							
	E	Z 05 58 28							
DEC 13	10 52 10,6	44,7N 150,2E	48KM	5,9	KURILE IS				
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG	
	KRP EP	Z 11 04 44,5							
	E	Z 11 04 59							
	CNZ E(P)	Z 11 04 51							
	MNG EP	Z 11 04 56							
	E	Z 11 05 07							
	MJZ EP	Z 11 05 08							
	E	Z 11 05 20							
	WEL E	Z 11 05 12							
	ESKS	ZNE 11 05 25							
	ESS	Z 11 05 22							
	ELR	Z 11 05 35							
	MNW E	Z 11 05 25							
	ROX E	Z 11 05 28							
	E(SKS)	NE 11 05 19						3 8	3 8
	E(S)	E 11 05 56							
	ELQ	E 11 05 31							
	MAX	N 11 05 44							3 20
DEC 13	14 46 10,7	44,7N 150,3E	33KM	5,7	KURILE IS				
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG	
	KRP EP	Z 14 58 47							
	E	Z 14 59 01							
	MNG EP	Z 14 58 57							
	E	Z 14 59 11							
	MJZ EP	Z 14 59 10							
	E	Z 14 59 24							
	CNZ E	Z 14 59 13							
	ROX E	Z 14 59 32							
DEC 13	15 08 26,5	56,1S 27,6W	151KM	6,3	SANDWICH IS				
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG	
	MNW EP	Z 15 20 06							
	ROX EP	Z 15 20 07,5							5,8
	MJZ P	Z 15 20 15							5,8
	WEL E(P)	Z 15 20 26							
	MNG P	Z 15 20 28							
	CNZ P	Z 15 20 35							
	KRP P	Z 15 20 41							
	E=PP	Z 15 21 12							
DEC 13	16 50 16,8	14,1S 170,2E	638KM	5,0	NEW HEBRIDES IS				
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE	MAG	
	KRP P	Z 16 54 46							
	E	Z 16 54 17							
	CNZ P	Z 16 54 57,5							
	MNG P	Z 16 55 07							
	WEL P	Z 16 55 13							
	MJZ P	Z 16 55 34,5							
	PCP	Z 16 55 17							
	E(S)	Z 16 55 51							
	ROX P	Z 16 55 47							
	MNW EP	Z 16 55 49							

DATE	H	M	S	EPICENTRE	DEPTH	MAG	LOCATION	DIST
				H M S	KM			(DEG)
DEC 13	20	09	27,0	62,1S 165,3E	33KM	5,2	BALLENY IS	WEL
	MNW	EP	Z	20 13 16		-1,01		
	ROX	EP	ZN	20 13 22		-0,65		
		EL		NE 17				
		MAX	N	10 18				6 22
	MJZ	EP	Z	20 13 42				
		(PP)	Z	14 03				
	MNG	P	Z	20 14 24				
	CNZ	P	Z	20 14 39				
	KRP	P	Z	20 14 49,5				
DEC 14	03	40	15,0	2,1S 138,3E	33KM		NEW GUINEA	WEL
	KRP	EP	Z	03 49 03				
	MNG	P	Z	03 49 14				
DEC 14	05	34	07,0	56,0S 27,6W	131KM		SANDWICH IS	WEL
	CNZ	EP	Z	05 46 18				
	KRP	EP	Z	05 46 25				
DEC 14								
	WEL	E(P)	Z	08 07 08				
		EL	Z	12 30				
	MNG	P?	Z	08 07 12				
		E	Z	26				
	CNZ	EP?	Z	08 07 26				
		E	Z	51				
	KRP	EP	Z	08 07 37				
	ROX	EL	NE	08 10 30				
DEC 15	04	43	45,9	22,0N 94,4E	95KM	5,4	BURMA	WEL
	KRP	P	Z	04 57 06				
		E	Z	19				
DEC 15	06	58	02,0	14,8S 177,2W	33KM	4,0	FIJI IS	WEL
	KRP	P	Z	07 03 09				
DEC 15	08	22	22,5	0,0N 12,4E	168KM	5,8	CELEBES	WEL
	MNW	P?	Z	08 32 08				
		E	Z	12				
		E	Z	45				
	MJZ	P	Z	08 32 16,7 D				
	ROX	EP	Z	08 32 18				
	KRP	P	Z	08 32 20				
	WEL	P	Z	08 32 25		-0,79		
		(PCP)	Z	33 04				
	MNG	P	Z	08 32 25,7 D				
		E(PCP)	Z	33 00				
	GNZ	P	Z	08 32 32		-1,07		
DEC 15	09	06	17,6	0,1N 123,7E	194KM	4,8	CELEBES	WEL
	KRP	P	Z	09 16 12				
	MNG	P	Z	09 16 18				
		E	Z	48				

DATE	H	M	S	EPICENTRE	DEPTH	MAG	LOCATION	DIST
				H M S	KM			(DEG)
	WEL	E	Z	09 16 21				
DEC 15	12	09	34,2	56,8S 140,6W	33KM		SOUTH PACIFIC	WEL
								32
	MNG	P	Z	12 16 04				
	ROX	E(P)	Z	12 16 05				
		E	E	18 00				
		E	F	21 18				
		E(S)	NE	28			3 16	6 20 5,7
		L	NE	23				
	MJZ	P	Z	12 16 08				
	WEL	E	Z	12 16 09				
		EL	NE	23				
	TNZ	EP	Z	12 16 19				
	KRP	P	Z	12 16 20				
		E	Z	41				
DEC 15	19	19	51,2	56,7S 142,0W	32KM	5,8	SOUTH PACIFIC	WEL
								32
	MNG	P	Z	19 26 14				
	GNZ	EP	Z	19 26 17		-1,56		5,3
	MJZ	P	Z	19 26 19				
	KRP	EP	Z	19 26 31				
	ROX	ES	NE	19 31 33				
		EL	NE	34				
	WEL	ELR	ZNE	19 34				
DEC 15	23	05	22,6	7,5N 82,2W	26KM	5,9	PANAMA	WEL
								105
	WEL	EPP	Z	23 23 53				
		ESP	Z	33 26				
		ESS	ZE	39			3 22	
		ELR	7E	54				
		MAX	Z	57			9 20	6 20
	ROX	E(SKS)	E	23 30 27				
		E	N	32 02			3 16	
		ESP	F	33 40				2 13
		ESS	N	39 40			3 20	
		ELQ	N	50				
		ELR	ZE	57				
		MAX	EZ	24 01			7 19	11 19
DEC 16	10	09	24,2	47,5S 100,0E	33KM	5,5	S E INDIAN RISE	WEL
								52
	MJZ	P	Z	10 18 01,5				
DEC 16	22	17	22,2	22,8S 171,7E	41KM	4,6	LOYALTY IS	WEL
								19
	KRP	EP	Z	22 21 00				
	MNG	P	Z	22 21 29				
	WEL	E(PP)	Z	22 21 36			1 14	99,0
		EL	Z	26				
	MJZ	P	Z	22 22 04,5				
DEC 16	23	06	42,8	17,7S 179,1W	573KM	5,2	FIJI IS	WEL
								24
	KRP	P	Z	23 10 46				
		S	NE	14 13				
	GNZ	P	Z	23 10 48		-0,42		6,1
		E(S)	Z	14 10				
	CNZ	EP	Z	23 11 04				

DATE	H	M	S	EPICENTRE		DEPTH	MAG	LOCATION	DIST
				LOG	DIR				
DEC 25	01	07	22,0	6,8S	126,0E	98KM	5,4	PHILIPPINE IS	
	KRP	EP	Z	01	17	20			
	MJZ	P	Z	01	17	50			
		E	Z		18	02			
	MNW	P?	Z	01	17	52			
DEC 25	02	57	58,5	18,1S	179,1W	626KM	5,6	FIJI IS	
	KRP	EP	Z	03	01	54,5	U		
		E	ZN		03	28			
		E	ZN		04	41			
		E(S)	E		05	06			
		E	NE			21			
		SCP	Z		08	18			
		SCS	NE			12	00		
	GNZ	EP	Z	03	01	56		-0,87	
		ESCS	Z		12	06			
	CNZ	P	Z	03	02	04			
		E	Z			35			
		E	Z		03	32			
		E	Z		08	45			
	MNG	P	Z	03	02	15			
		E	Z		03	37			
		E(S)	Z		05	42			
		SCP	Z		08	25			
		E(SCS)	Z		12	13			
		E	Z			20			
	WEL	P	Z	03	02	23		-0,58	
		E(*SP)	ZN		05	03			6 18
		ES	E			49			
		SCS	EN		12	14			
	MJZ	P	Z	03	02	54			
		E	Z		04	30			
		E	Z		06	45			
		E(S)	Z			53			
		SCP	Z		08	38			
	ROX	EP	Z	03	03	09		-0,62	
		E	Z		04	47			
		E(*SP)	N		05	56			
		E	NE		07	08			
	MNW	P	Z	03	03	17,0	U	-0,48	
		E	Z		04	55			
		S	Z		07	33			
DEC 25	10	38	44,0	26,4S	176,8W	32KM	4,3	FIJI IS	
	MNG	EP	Z	10	42	16,5			
		S	Z		44	48			
	GNZ	S	Z	10	43	54			
	CNZ	E	Z	10	44	32			
	WEL	S	ZNE	10	45	08			
DEC 25	11	44	04,0	23,4S	180,0E	554KM	5,1	FIJI IS	
	KRP	P	Z	11	47	12,5			
		E(S)	NE		49	54			
		E	Z		50	02			
	GNZ	P	Z	11	47	14,5		-1,23	
		E(S)	Z		49	54			
	CNZ	P	Z	11	47	25			
		E(S)	Z		50	15			

DATE	H	M	S	EPICENTRE		DEPTH	MAG	LOCATION	DIST
				LOG	DIR				
	MNG	P	Z	11	47	35			
		S	Z		50	29			
		SCP	Z		54	30			
		E(SCS)	Z		58	12			
	WEL	EP	Z	11	47	45			
		S	NE		50	43			
	MJZ	P	Z	11	48	17			
		E	Z		51	41			
		SCP	Z		54	41			
	MNW	P	Z	11	48	40		-1,96	4,5
DEC 25	14	04	07,1	27,3N	128,7E	49KM	4,9	RYUKYU IS	
	KRP	EP	Z	14	16	03			
DEC 25	18	17	45,8	18,1S	179,2W	613KM	4,1	FIJI IS	
	KRP	EP	Z	18	21	42			
	MNG	EP	Z	18	22	03,5			
		E	Z		25	21			
	MJZ	P	Z	18	22	42			
		EPCP	Z		25	40			
		ES	Z		26	41			
	WEL	ES	ZNE	18	25	22			
DEC 25	19	20	46,5	18,1S	179,2W	639KM	5,4	FIJI IS	
	KRP	EP	Z	19	24	41,5	D		
		E	Z		28	07			
	GNZ	P	Z	19	24	43		-1,28	5,1
	CNZ	EP	Z	19	24	51			
	MNG	EP	Z	19	25	02			
		ESCP	Z		31	12			
		ESCS	Z		34	57			
	WEL	EP	Z	19	25	10			
	MJZ	P	Z	19	25	41			
		E	Z		27	16			
		ES	Z		29	39			
		SCP	Z		31	24			
	MNW	P	Z	19	26	03		-0,73	5,8
		E	Z		27	34			
DEC 25	20	46	44,1	18,1S	179,1W	629KM	4,4	FIJI IS	
	KRP	EP	Z	20	50	40			
	GNZ	EP	Z	20	50	42,5		-1,79	4,6
DEC 25	MJZ	EP	Z	20	50	50			
DEC 25	MJZ	EP	Z	20	51	39			
	MNW	P	Z	20	52	02		-1,43	
DEC 26	KRP	P	ZNE	01	46	59			
	GNZ	P	Z	01	46	59			
	CNZ	P	Z	01	47	09,5			
		E	Z			38			
	MNG	P	Z	01	47	22			
		E	Z		48	08			
		E(S)	Z		49	18			
	MNW	E	Z	01	49	12			
DEC 26	KRP	P	Z	02	31	29			

DATE	H M S	EPICENTRE		DEPTH	MAG	LOCATION	DIST (DEG)	WEL	MAG
		15.4S 151.6E	74KM						
DEC 26	03 53 10,3	5,4S 151,6E	74KM	6.1	NEW BRITAIN				
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE		
	KRP	P	Z	04 00 30					
		*PP	Z	04 00 55					
		EPCP	Z	02 40					
		(SCP)	Z	06 23					
		SCS	NE	10 35					
		*SSCS	NE	11 14					
	CNZ	P	Z	04 00 40	U				
		*PP	Z	01 04					
	GNZ	P	Z	04 00 45					-0,75
	MNG	P	Z	04 00 46,3	U				
		E*PP	Z	01 11					
	WEL	EP	Z	04 00 49				5	5
		E	Z	07 38					
		EL	Z	13					
	MJZ	P	Z	04 00 55					
		PCP	Z	02 55					
	MNW	P	Z	04 01 01					-1,46
	ROX	ES	NE	04 07 26					
		EL	NE	11					
DEC 26	06 44 47,8	15,7S 175,4W	341KM	4,5	TONGA IS				
	KRP	P	Z	06 49 29					
	GNZ	P	Z	06 49 30					-0,76
	MNG	EP	Z	06 49 48					
	MNW	P	Z	06 50 54					-1,00
DEC 26	18 05 38,1	23,8S 179,9W	510KM	5,0	FIJI IS				
	KRP	P	Z	18 08 44					
		S	NE	11 24					
	GNZ	EP	Z	18 08 47					
		(S)	Z	11 24					
	MNG	P	Z	18 09 07					
		E(S)	Z	11 59					
	WEL	P	Z	18 09 16					-0,50
		ES	ZNE	12 16					
	MJZ	EP	Z	18 09 51					
	MNW	EP	Z	18 10 13					-1,60
DEC 27	07 02 24	15,5S 167,0E	93KM		NEW HEBRIDES IS				
	KRP	P	Z	07 07 22					
NGA IS									
	WEL		24						
	GNZ	P	Z	16 01 41,5					-0,91
		E	Z	02 19					
	KRP	P	Z	16 01 42					
		E	Z	02 02					
	TNZ	P	Z	16 01 58					
	MNG	P	Z	16 02 02					
		E(S)	Z	06 04					
	MJZ	EP	Z	16 02 51					
	MNW	EP	Z	16 03 09					

DATE	H M S	EPICENTRE		DEPTH	MAG	LOCATION	DIST (DEG)	WEL	MAG
		3,2N 126,8E	61KM						
DEC 27	20 18 33,9	3,2N 126,8E	61KM	4,7	TALAUD IS				62
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE		
	MNW	E(P)	Z	20 28 42					
	MJZ	P?	Z	20 28 44					
		E	Z	57					
	WEL	ELR	Z	20 49					
DEC 28	03 40 21								
	GNZ	EP	Z	03 40 21					
		E(S)	Z	42 08					
	TUA	E(P)	Z	03 40 22					
		ES	Z	42 19					
	KRP	EP	Z	03 40 25					
	MNG	EP	Z	03 40 45					
		E(S)	Z	43 04					
	WEL	EP	Z	03 40 56					
		S	ZNE	43 23					
	MJZ	P	Z	03 41 36					
		E(S)	Z	44 55					
	ECZ	E(S)	Z	03 41 52					
	SPZ	ES	N	03 44 27					
DEC 28	07 37 38,2	22,9N 142,5E	168KM	4,4	VOLCANO IS				70
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE		
	KRP	P	Z	07 48 20					
		E(*PP)	Z	57					
	MNG	EP	Z	07 48 32	U				
	WEL	P	Z	07 48 34					
	MJZ	P	Z	07 48 39					
	MNW	EP	Z	07 48 41					
DEC 28	12 10 31,8	3,2N 126,9E	58KM	5,3	TALAUD IS				62
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE		
	KRP	E(P)	Z	12 20 38					
	MNW	EP	Z	12 20 39					
		(*PP)	Z	52					
	MJZ	P?	Z	12 20 50					
	MNG	EP?	Z	12 20 53					
DEC 28	20 32 25,0	27,8N 141,8E	57KM	5,9	RONIN IS				75
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE		
	KRP	P	Z	20 43 51					
		E	Z	44 09					
	MNG	P	Z	20 44 02,5					
	MJZ	P	Z	20 44 07					
		E	Z	20					
	MNW	P	Z	20 44 26					-1,56
									5,5
DEC 29	04 16 28,0	3,3S 143,1E	15KM	5,4	NEW GUINEA				47
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE		
	KRP	EP	Z	04 24 50					
	MNG	EP	Z	04 25 01,5					
	MNW	P	Z	04 25 07					
DEC 29	18 39 47,2	6,6S 155,0E	71KM	5,4	SOLOMON IS				39
		H M S	DIR	LOG A/T	AZ TZ	AN TN	AE TE		
	KRP	P	Z	18 46 47					-1,28
	GNZ	EP	Z	18 47 00					-1,16
	MNG	P	Z	18 47 04					5,7

DATE	H M S	EPICENTRE		DEPTH	MAG	LOCATION	DIST	WEL	AE	TE
		10.7S	166.1E							
DEC 29	23 40 59,1									
		H M S	DIR	LOG A/T	AZ TZ	AN TN				
	GNZ P	Z 23 46 47								
	KRP P	Z 23 46 48								
	MNG EP	Z 23 46 58								
	I	Z 47 00	D							
	S	Z 51 53								
	WEL E(P)	Z 23 47 05								
	MJZ P	Z 23 47 21								
	ROX P	Z 23 47 32,5 D		-0,99						
	MNW EP	Z 23 47 33		-1,56						
DEC 30	KRP P	Z 04 37 41								
	MNG E	Z 04 38 06								
DEC 30	06 16 04,1	16,6S	71,1W	112KM	5,7	PERU				
	KRP P	Z 06 29 28								
	CNZ EP	Z 06 29 28								
DEC 30	06 31 52,8	17,9S	178,4W	599KM	4,8	FIJI IS				
	MNG P?	Z 06 36 14,5 D								
DEC 30	11 42 06,5	19,3S	177,5W	582KM	5,3	FIJI IS				
	KRP EP	Z 11 46 01,5 D								
	GNZ EP	Z 11 46 02		-1,40						
	CNZ P	Z 11 46 10								
	E	Z 18								
	MNG EP	Z 11 46 20								
	ES	Z 49 48								
	MJZ EP	Z 11 47 02								
	MNW P	Z 11 47 25		-1,16						
DEC 30	16 46 03,0	16,3S	168,0E	191KM	4,9	NEW HEBRIDES IS				
	KRP P	Z 16 50 49								
	CNZ P	Z 16 51 00,8								
	MNG P	Z 16 51 10								
	MJZ P	Z 16 51 34								
DEC 30	16 59 22,6	16,6S	172,4W	28KM	4,8	SAMOA IS				
	KRP P	Z 17 04 36								
DEC 30	17 05 24,0	15,1S	167,4E	131KM	4,9	NEW HEBRIDES IS				
	KRP P	Z 17 10 27								
	CNZ P	Z 17 10 38								
	GNZ EP	Z 17 10 40								
	MNG P	Z 17 10 48								
	MJZ EP	Z 17 11 12								
DEC 30	MNG EP	Z 20 31 03								
	ES	Z 33 38								
	ECZ ES	Z 20 32 26								
	GNZ E(S)	Z 20 32 42								
	TUA S?	Z 20 32 49								

DATE	H M S	EPICENTRE		DEPTH	MAG	LOCATION	DIST	WEL	AE	TE
		22 56 48,5	3,0S							
DEC 30	22 56 48,5									
	KRP EP	Z 23 05 25								
	MNG EP	Z 23 05 36	D							
DEC 31	03 55 13,0	4,5S	144,0E	65KM	4,8	NEW GUINEA				
	KRP P	Z 04 03 17								
	MNG P	Z 04 03 30								
DEC 31	09 48 46,0	16,1S	167,5E	50KM		NEW HEBRIDES IS				
	KRP E	Z 09 54 07								
	CNZ E	Z 09 54 15								
	MNG P?	Z 09 54 15								
	E	Z 29								
DEC 31	10 41 56,1	25,0S	177,2W	140KM	5,5	FIJI IS				
	GNZ EP	Z 10 45 14								
	E(S)	Z 47 38								
	KRP P	Z 10 45 16								
	(*PP)	Z 38								
	E(S)	NE 47 53								
	E	E 48 20								
	SCP?	E 52 56								
	CNZ EP	Z 10 45 27								
	E	Z 51								
	E(S)	Z 48 07								
	MNG P?	Z 10 45 35								
	E	Z 38								
	(S)	Z 48 24								
	(S)	Z 30								
	WEL E(L)	Z 10 50 33								
DEC 31	13 00 48,0	8,9S	117,1E	33KM		SUMBAWA IS				
	KRP P	Z 13 10 52								
	MNG P	Z 13 10 54								
	KRP (PCP)	Z 13 11 37								
	GNZ (PP)	Z 13 13 32								
DEC 31	19 43 41,7	9,6S	123,5E	4KM	5,3	TIMOR				
	MNW E(P)	Z 19 52 54								
	KRP P	Z 19 53 12,5 D		-1,52						5,5
	E	Z 28								
	(PCP)	Z 54 15								
	CNZ EP	Z 19 53 15	D							
	MNG P	Z 19 53 16								
	E	Z 54 57								
	GNZ EP	Z 19 53 23		-1,76						5,4

DEC 31	H M S	EPICENTRE	DEPTH	MAG	DIST
	20 58 54.1	2,4N 128.7E	104KM	5.6	HALMAHERA
		H M S	DIR	LOG A/T	AZ TZ AN TN AE TE
MNW	P	Z	21 08 44	-1.56	
KRP	P	Z	21 08 45		
MJZ	P	Z	21 08 53		

PART TWO -- Overseas Stations under N.Z. Control

JAN 01	AFI	EP	Z	09 06 16	EPICENTRE	DEPTH	MAG	DIST	
		ES	NE	08 02					
JAN 01	AFI	EP	Z	12 41 22					
		ES	NE	42 53					
JAN 01	AFI	ES		17 07 42					
JAN 01	AFI	ES		17 53 36					
JAN 01	AFI	ES		18 14 18					
JAN 01	19 34 20				11.8S 166.3E	24KM		SANTA CRUZ IS	
SBA	EP	ZNE	19 45 06		H M S	DIR DIS LG A/T AZ TZ AN TN AE TE MAG			
							66	-1.11	6.1
JAN 01	21 38 29.2				35.7N 4.4E	10KM	5.2	ALGERIA	
SBA	E(PKP)	Z	21 58 15		H M S	DIR DIS LG A/T AZ TZ AN TN AE TE MAG			
	ELR	ZNE	22 43 10				137		
JAN 02	09 36 53.9				22.1S 179.4W	555KM	4.6	S OF FIJI	
SUV	EP	Z	09 38 44		H M S	DIR DIS LG A/T AZ TZ AN TN AE TE MAG			
	ES	Z	39 37				4		
RAO	EP	Z	09 38 47				11	-0.27	
AFI	EP	Z	09 39 21				11	-1.68	
	ES	NE	41 23						
SBA	EP	Z	09 45 44				56	-1.11	5.3
JAN 02	13 44 18.9				19.1N 145.4E	142KM	6.1	MARIANA IS	
SUV	EP	Z	13 52 54		H M S	DIR DIS LG A/T AZ TZ AN TN AE TE MAG			
AFI	EP	Z	13 53 27				49		
	IPCP	Z	56.4				53		
	ES	NE	14 00 50						
	ESS	H	05 24						
	EL	ZE	08 24						
RAO	EP	Z	13 54 12				59		
SBA	E	Z	13 58 21				98		
	E(PP)	ZNE	14 01 50						
	ESKS	N	08 05						
	EPS	ZN	10 17						
	ESS	N	15 36						
	ELQ	E	25 35						
	ELR	ZNE	30 41				8	60	
JAN 02	AFI	EP	Z	14 29 44					
	ES	NE	30 05						
JAN 03	AFI	EP	Z	11 44 39					
	ES	NE	46 00						
JAN 03	AFI	EP	Z	13 50 03					
	ES	NE	51 04						
JAN 03	AFI	IP	Z	21 04 55.2					
	IS	NE	05 11						

	S	Z	37 07		
AFI	EP	Z	09 37 06	12	-0.17
	ES	ZNE	39 12		
JAN 12	AFI	EP	Z 09 43 50		
	ES	NE	45 09		
	ET	ZNE	50 56		
JAN 12	AFI	IP	Z 10 35 35.1		
	ES	ZNE	51		
JAN 12	AFI	EP	Z 11 56 57		
	ES	NE	57 15		
	ET	ZNE	59 05		
JAN 12	AFI	EP	Z 12 19 07		
	ES	NE	28		
JAN 12	AFI	EP	Z 12 42 57		
	ES	NE	43 20		
JAN 12	AFI	EP	Z 12 55 45		
	ES	ZNE	56 08		
	H M S	EPICENTRE	DEPTH	MAG	
JAN 12	14 35 45	18.1S 178.3W	563KM	5.0	FIJI
	AFI	H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE	MAG
	EP	Z	14 37 39	8	
	H M S	EPICENTRE	DEPTH	MAG	
JAN 12	15 54 34.0	34.0S 179.4E	11KM	5.2	S OF KERMADEC IS
	RAO	H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE	MAG
	EP	Z	15 55 46	5	
	H M S	EPICENTRE	DEPTH	MAG	
JAN 12	15 54 34	34.0S 179.4E	11KM	5.2	S OF KERMADEC IS
	AFI	H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE	MAG
	ES	NE	16 03 18	22	
	H M S	EPICENTRE	DEPTH	MAG	
JAN 12	18 55 53.6	34.2S 179.3E	187KM	5.2	S OF KERMADEC IS
	RAO	H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE	MAG
	EP	Z	18 56 56	5	
	H M S	EPICENTRE	DEPTH	MAG	
JAN 13	00 24 51	15.2S 172.3W	40KM	4.5	SAMOA
	AFI	H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE	MAG
	IP	Z	00 25 15	1	
	ES	ZNE	36		
JAN 13	AFI	EP	Z 04 49 59		
	ES	NE	50 50		
JAN 13	AFI	EP	Z 07 39 21		
	ES	NE	40 19		
	H M S	EPICENTRE	DEPTH	MAG	
JAN 13	16 57 16.0	36.5N 98.6W	33KM	5.1	S PACIFIC OCEAN
	SBA	H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE	MAG
	EP	Z	17 06 54	126	-1.18
	ELQ	N	20 46		
	ELR	ZE	22 54		
JAN 14	AFI	EP	Z 02 48 57		
	ES	ZNE	49 18		
JAN 14	AFI	EP	Z 05 47 48		

	ES	NE	48 30		
	H M S	EPICENTRE	DEPTH	MAG	
JAN 14	08 28 45.3	6.2S 149.9E	63KM	5.6	NEW BRITAIN
	AFI	H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE	MAG
	EP	Z	08 36 04	38	-0.57
	H M S	EPICENTRE	DEPTH	MAG	
JAN 14	08 25 17.5	5.5S 81.3W	32KM	5.3	N PERU COAST
	AFI	H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE	MAG
	EP	Z	08 38 15	89	-0.34
	E	N	45 10		
	E	E	46 48		
	EL	NE	09 06 00		
	SBA	Z	08 38 16	89	-0.52
	E(S)	ZNE	48 52		
	ESS	NE	54 10		
	ELQ	N	09 02 26		
	ELR	ZE	06 04		
	H M S	EPICENTRE	DEPTH	MAG	
JAN 14	17 21 17.6	2.3N 126.9E	94KM	5.5	MOLUCCA PASSAGE
	SBA	H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE	MAG
	EP	Z	17 33 33	83	-0.96
JAN 14	AFI	EP	Z 17 54 42		
	ES	NE	55 04		
	H M S	EPICENTRE	DEPTH	MAG	
JAN 14	18 46 20.4	38.8S 176.0E	82KM		NORTH IS NZ
	AFI	H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE	MAG
	EP	Z	18 51 55	27	
	SBA	Z	18 53 51	39	-0.78
	H M S	EPICENTRE	DEPTH	MAG	
JAN 15	03 30 22.2	20.9S 177.8W	597KM	5.3	FIJI
	SUV	H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE	MAG
	EP	Z	03 31 42	4	
	AFI	Z	03 32 20	9	-0.58
	ES	ZNE	33 55		
	RAO	Z	03 32 22	11	
	ES	Z	33 54		
	SBA	Z	03 39 21	57	-0.90
JAN 15	AFI	EP	Z 05 13 06		
	ES	NE	27		
	E	ZNE	15 10		
JAN 15	SUV	EP	Z 05 34 55		
	AFI	EP	Z 05 35 35		
	ES	NE	37 35		
	H M S	EPICENTRE	DEPTH	MAG	
JAN 15	05 59 58.5	49.9N 79.0E	0KM	6.3	E KAZAKH SSR
	SBA	H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE	MAG
	EPKP?	Z	06 19 15	138	
	E	Z	26		
JAN 15	AFI	EP	Z 06 20 46		
	ES	NE	21 29		
JAN 15	AFI	EP	Z 14 37 40		
	ES	NE	38 10		
JAN 15	AFI	IP	Z 14 55 57.4		
	IS	NE	56 17		
JAN 15	AFI	EP	Z 16 26 07		

		ES	NE	27												
		H M S	EPICENTRE		DEPTH	MAG										
		H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE				
JAN 15	AFI EP	18 34 07.6	Z	23.6N	121.7E	33KM	5.6									
JAN 15	SUV EP	20 13 27.8	Z	18.6S	178.7W	685KM	5.3									
JAN 15	AFI EP		Z	20 14 48												
JAN 15	AFI EP		ZNE	20 15 23												
JAN 15	RAO EP		Z	20 15 52												
JAN 15	RAO EP		Z	17 54												
JAN 15	SBA P		Z	20 22 35												
JAN 15	AFI EP	20 44 27	Z	16.5S	172.6W	33KM	4.8									
JAN 15	AFI EP		Z	20 45 08												
JAN 15	AFI EP		ZNE	39												
JAN 15	AFI EP		ZNE	48 00												
JAN 15	AFI EP	21 07 35.1	Z	13.3S	166.4E	85KM	5.2									
JAN 15	AFI EP		Z	21 12 23												
JAN 15	SBA EP		Z	21 18 05												
JAN 15	SUV EP	23 17 36.0	Z	13.3S	166.3E	8KM	5.5									
JAN 15	AFI EP		Z	23 20 40												
JAN 15	AFI EP		Z	23 22 25												
JAN 15	AFI EP		NE	26 18												
JAN 15	AFI EP		NE	27 30												
JAN 15	RAO EP		Z	23 22 39												
JAN 15	SBA EP		ZN	23 28 15												
JAN 15	ES		NE	37 01												
JAN 15	ESSS		Z	44 41												
JAN 15	ELQ		E	45 48												
JAN 15	ELR		ZNE	48 32												
JAN 16	SUV EP	01 10 42.3	Z	20.7S	178.7W	520KM	4.7									
JAN 16	RAO EP		Z	01 12 08												
JAN 16	RAO EP		Z	01 12 44												
JAN 16	AFI EP		Z	14 24												
JAN 16	AFI EP		Z	01 12 55												
JAN 16	AFI EP		NE	14 41												
JAN 16	AFI L	05 30 12.1	Z	13.5S	166.1E	53KM	4.8									
JAN 16	AFI L		Z	05 39 00												
JAN 16	AFI EP		E	40 00												
JAN 16	AFI EP		Z	07 51 52												
JAN 16	AFI EP		NE	52 15												
JAN 16	AFI IP		Z	08 52 16.6												
JAN 16	AFI EP		NE	38												

		H M S	EPICENTRE		DEPTH	MAG										
		H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG			
JAN 16	SBA EP	11 32 37.4	ZN	56.6S	27.4W	101KM	6.1									
JAN 16	SBA EP		ZN	11 40 48												
JAN 16	SBA EP		W	47 26												
JAN 16	SBA EP		E+SS	48 11												
JAN 16	SBA EP		E	51 20												
JAN 16	SBA EP		ELQ	54 44												
JAN 16	AFI EP		Z	11 57 17												
JAN 16	AFI EP		NE	58 22												
JAN 16	AFI E		W	12 16 30												
JAN 16	AFI E		Z	17 12												
JAN 16	AFI E		ZN	21 12												
JAN 16	AFI EP	12 51 29	Z	25.6S	180.0W	445KM	4.9									
JAN 16	AFI EP		Z	12 52 57												
JAN 16	AFI EP		Z	54 07												
JAN 16	AFI EP		Z	12 53 25												
JAN 16	AFI EP		Z	12 54 30												
JAN 16	AFI EP		NE	56 53												
JAN 16	AFI EP		ZNE	13 09 05												
JAN 17	AFI EP		Z	00 40 44												
JAN 17	AFI EP		NE	43 55												
JAN 17	AFI EP	08 19 44.5	Z	15.1S	173.7W	33KM	5.4									
JAN 17	AFI EP		ZNE	08 20 16.3												
JAN 17	AFI EP		IS	36												
JAN 17	AFI EP		Z	08 21 53												
JAN 17	AFI EP		ZN	08 30 15												
JAN 17	AFI EP		Z	49 15												
JAN 17	AFI EP	09 01 07.2	Z	16.4S	174.3W	123KM	5.3									
JAN 17	AFI EP		Z	09 02 00.8												
JAN 17	AFI EP		NE	31												
JAN 17	AFI EP		Z	09 02 57												
JAN 17	AFI EP	10 43 17.5	Z	24.5S	178.4E	568KM	5.5									
JAN 17	AFI EP		Z	10 44 56												
JAN 17	AFI EP		Z	46 12												
JAN 17	AFI EP		Z	10 45 00												
JAN 17	AFI EP		Z	10 46 12.6												
JAN 17	AFI EP		NE	48 34												
JAN 17	AFI EP		ET	53 04												
JAN 17	AFI EP		Z	10 51 48												
JAN 17	AFI EP		NE	58 42												
JAN 17	AFI EP		*SS	11 00 41												
JAN 17	AFI EP		Z	14 33 00												
JAN 17	AFI EP		NE	19												
JAN 17	AFI EP	20 57 41.3	Z	6.8S	109.1E	242KM	6.5									
JAN 17	AFI EP		Z	21 08 18												
JAN 17	AFI EP		Z	21 09 16												
JAN 17	AFI EP		D	78 -0.24												

		EPCP	Z	10 10				
SBA		IP	ZNE	21 09 09.20	77 -0.25	4	4	
		ES	ZNE	18 23				
		ELQ	E	30 49				
		H M S	EPICENTRE		DEPTH	MAG		
JAN 18	00 03 11.9		37.7S	72.9W	52KM	5.3	CENTRAL CHILE	
		AFI	EL	Z 00 43 42	88	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		
JAN 18	AFI EP	Z	06 57 45					
	ES	E	58 08					
	ET	NE	59 58					
JAN 18	AFI IP	Z	14 15 01					
	ES	E	18					
		H M S	EPICENTRE		DEPTH	MAG		
JAN 18	22 38 23		18.2S	178.0W	569KM	3.5	FIJI	
		AFI	EP	Z 22 40 16	7	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		
JAN 19	AFI EP	Z	00 22 09	-0.73				
JAN 19	AFI IP	Z	08 38 49	D				
	ES	NE	39 08					
JAN 19	AFI EP	Z	08 51 38					
	ES	NE	57					
		H M S	EPICENTRE		DEPTH	MAG		
JAN 19	21 04 44.4		32.2S	178.2W	33KM	4.8	S OF KERMADEC IS	
		AFI	EP	Z 21 09 02	19	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		
	ES	NE	12 21					
	ET	ZNE	27 38					
JAN 19	SUV EP	Z	21 23 05					
		H M S	EPICENTRE		DEPTH	MAG		
JAN 20	01 33 12.8		32.5S	178.0W	33KM	4.9	S OF FIJI	
		AFI	EP	Z 01 37 30	19	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		
	ES	NE	39 27					
JAN 20	SUV EP	Z	07 55 14					
		H M S	EPICENTRE		DEPTH	MAG		
JAN 20	09 18 34.9		18.4S	167.6E	10KM	5.0	NEW HEBRIDES	
		SUV	EP	Z 09 21 19	10	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		
JAN 20	AFI EP	Z	16 46 38					
	ES	NE	48 05					
JAN 20	AFI EP	Z	19 02 21					
	ES	NE	03 08					
		H M S	EPICENTRE		DEPTH	MAG		
JAN 21	02 04 43.7		15.9S	173.2W	33KM	5.1	TONGA	
		AFI	IP	Z 02 05 19.7D	2 0.30	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		
	ES	NE	45					
	ET	ZNE	07 28					
JAN 21	AFI EP	Z	04 01 35					
	ES	NE	02 05					

		H M S	EPICENTRE		DEPTH	MAG		
JAN 21	06 09 58		34.2S	179.8E	33KM	5.9	S OF KERMADEC IS	
		SUV	EP	Z 06 13 41	16	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		
	AFI	EP	Z 06 14 48	22				
	ES	NE	19 40					
	EL	Z	20 06					
	ET	ZNE	35 50					
	SBA	EP	ZN 06 18 09	44 -0.96				
	ES	N	24 52					
	EL	ZN	28 17					
		H M S	EPICENTRE		DEPTH	MAG		
JAN 21	11 37 20.6		18.0S	178.5W	600KM	4.3	FIJI	
		SUV	EP	Z 11 38 40	3	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		
JAN 21	AFI IP	Z	13 17 00.5U					
	ES	NE	19					
		H M S	EPICENTRE		DEPTH	MAG		
JAN 21	15 48 06		29.8S	179.4W	246KM	4.1	KERMADEC IS	
		SUV	EP	Z 15 50 53	12	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		
	AFI	EP	Z 15 51 54	17				
	ES	NE	55 02					
		H M S	EPICENTRE		DEPTH	MAG		
JAN 21	21 37 26.2		12.8S	169.0E	639KM	4.5	SANTA CRUZ IS	
		SUV	EP	Z 21 39 48	11	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		
	RAO	EP	Z 21 41 19	22 -0.41				
JAN 21	AFI EP	Z	23 26 43					
	ES	NE	27 08					
	E	ZNE	28 55					
		H M S	EPICENTRE		DEPTH	MAG		
JAN 22	05 18 27.9		19.7S	176.1W	210KM	4.7	FIJI	
		SUV	EP	Z 05 19 56	5	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		
	AFI	EP	Z 05 20 05	7				
	ES	NE	21 14					
	RAO	EP?	Z 05 20 52	13				
	ES	Z	22 57					
JAN 22	AFI EP	Z	08 28 49					
	ES	NE	29 18					
JAN 22	SUV EP	Z	22 28 33					
JAN 23	AFI EP	Z	01 15 20					
	ES	NE	16 29					
JAN 23	AFI EP	Z	02 28 15					
	ES	ZNE	35					
JAN 23	SUV EP	Z	05 44 10					
		H M S	EPICENTRE		DEPTH	MAG		
JAN 23	08 03 39.9		16.3S	174.5W	119KM	4.8	TONGA	
		AFI	IP	ZNE 08 04 34.5UNE	4	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		
	ES	ZNE	05 11					
JAN 23	SBA EP	Z	08 12 51	-1.13				

DATE	TIME	TYPE	DEPTH	MAG	LOCATION
JAN 23	17 00 57	SUV EP			
JAN 23	23 24 29.6	SUV EP	677KM	5.3	PHILIPPINE IS
JAN 24	00 11 12.1	SUV EP	6KM	6.6	CERAM SEA
JAN 24	16 06 30.7	SUV EP	616KM	5.0	FIJI
JAN 24	21 33 00	AFI EL			
JAN 25	01 15 13	AFI EP			
JAN 25	10 33 16	AFI EP	205KM	4.8	SANTA CRUZ IS
JAN 25	10 48 48	SUV EP			
JAN 25	17 30 21	SUV EP			
JAN 26	04 54 51.6	RAO P	474KM	5.0	S OF FIJI
JAN 26	10 42 35.4	AFI EP	504KM	4.2	FIJI
JAN 26	16 35 34	SUV EP			

DATE	TIME	TYPE	DEPTH	MAG	LOCATION
JAN 26	18 26 35	SUV EP?			
JAN 26	19 30 36	SUV EP			
JAN 26	20 09 54	AFI EP			
JAN 27	01 27 26	AFI EP			
JAN 27	05 53 20.7	AFI IP			
JAN 27	08 19 03	AFI EP			
JAN 27	20 15 09	SUV IP			
JAN 28	06 39 52	SUV EP			
JAN 28	10 01 58	AFI EP			
JAN 28	15 04 45	SUV EP			
JAN 28	18 54 09	AFI EP			
JAN 28	21 35 30	AFI EP			
JAN 29	03 26 16	SUV IP	550KM	4.8	FIJI
JAN 29	09 35 25.7	AFI ES	33KM	5.8	NEAR E KAMCHATKA
JAN 29	10 52 00.0	SUV EP	447KM	4.1	FIJI
JAN 29	17 31 19	SUV EP			
JAN 29	22 49 44	AFI EP			
JAN 30	08 40 35.2	RAO P	55KM	5.0	S OF KERMADEC IS

	H	M	S	EPICENTRE	DEPTH	MAG	
FEB 25	16	49	20.2	26.2S 179.7E	517KM	3.8	S OF FIJI
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
RAO	IP	Z	16 50 33.1U		7	0.18	
	ES	Z	51 36				
FEB 25	19	23	33.0	11.4S 166.1E	86KM	5.7	SANTA CRUZ IS
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
AFI	EP	ZE	19 28 19		22		
	ES	ZNE	32 16				
	ESSS	E	33 06				
	EL	ZE	56				
RAO	EP	Z	19 28 29		25		
SBA	EP	ZN	19 34 29		66	-0.43	
	ESSS	ZE	51 05				
	ELR	ZNE	55 12				
FEB 26	04	42	28.3	18.8S 176.1W	33KM	5.3	FIJI
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
SUV	EP	Z	04 43 46		5		
AFI	EP	Z	04 43 58		6		
	ES	ZNE	45 10				
RAO	EP	Z	04 45 06		13		
FEB 26	05	36	01.1	18.9S 176.3W	61KM	5.4	FIJI
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
SUV	EP	Z	05 37 15		5		
AFI	IP	Z	05 37 24.1		7	-0.66	
	ES	ZNE	38 34				
	ET	ZNE	43 39				
FEB 26	AFI	IP	Z	08 24 38		-0.90	
	ES	NE	55				
FEB 26	08	55	42.2	6.7S 102.7E	33KM	6.1	S W OF SUMATRA
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
AFI	EP	Z	09 08 19		84	-0.78	
FEB 26	SUV	EP	Z	10 38 10			
	ES	Z	39 10				
FEB 27	AFI	EP	Z	00 37 12		-1.04	
	ES	NE	39 45				
FEB 27	07	46	29.1	28.5N 112.1W	33KM	5.3	GULF OF CALIFORNIA
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
AFI	ES	NE	08 07 06		71		
	ESSS	NE	15 20				
	EL	ZNE	18 36				
FEB 27	AFI	EP	Z	15 35 15			
	ES	NE	36 49				
FEB 27	SUV	EP	Z	18 37 00			
FEB 28	AFI	EP	Z	04 42 45		-0.93	
	ES	NE	43 20				
FEB 28	AFI	IP	Z	07 32 40		U	
	ES	NE	59				

	H	M	S	EPICENTRE	DEPTH	MAG	
FEB 28	12	20	09	24.0S 179.9W	529KM	4.8	S OF FIJI
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
SUV	P	Z	12 21 47		6	-0.47	
AFI	EP	Z	12 22 47		13		
	ES	NE	25 00				
FEB 28	23	42	21.9	25.3S 179.6E	485KM	4.8	S OF FIJI
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
RAO	EP	Z	23 43 47		8		
AFI	EP	Z	23 45 16		14	-1.03	
MAR 01	07	20	55.3	5.5S 152.1E	35KM	5.7	NEW BRITAIN
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
AFI	EP	ZE	07 27 57		37	-0.46	6.4
	ES	ZNE	33 38				
	ELQ	ZNE	36 30				
	ELW	ZE	38 13				
MAR 01	07	46	57.5	5.2S 152.1E	33KM	5.7	NEW BRITAIN
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
AFI	EP	Z	07 54 05		37		
	ES	ZN	59 32				
MAR 01	08	18	56.4	21.1N 121.2E	42KM	5.2	TAIWAN
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
AFI	EP	Z	08 30 36		74		
	EL	ZNE	53 34				
MAR 01	09	08	45.0	5.4S 152.0E	29KM	5.6	NEW BRITAIN
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
AFI	EP	Z	09 15 50		37		
	EL	N	24 24				
	EL	ZE	25 45				
MAR 01	AFI	EP	Z	11 05 39			
	E	Z	48				
	ES	ZNE	06 06				
	ET	ZNE	08 06				
MAR 01	AFI	E(S)	NE	13 18 27			
MAR 01	13	20	56.7	21.2N 121.2E	42KM	5.5	TAIWAN
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
AFI	EP	Z	13 32 36		74		
MAR 01	18	27	07.0	27.6S 177.2W	15KM	4.4	KERMADEC IS
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
RAO	EP	Z	18 27 42		6		
	ES	Z	28 13				
SUV	EP	Z	18 29 31		10		
AFI	EP	Z	18 30 33		15		
MAR 01	RAO	E?	Z	18 46 57			
	EP	Z	47 01				
	ES	Z	32				
MAR 01	AFI	EL	NE	18 53 24			
MAR 01	RAO	P	Z	20 06 31			

		S	Z	07 02															
		H M S	EPICENTRE		DEPTH	MAG													
		H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG						
MAR 01	20 03 09.8	12.3S	166.7E	190KM	4.8	SANTA CRUZ IS													
	AFI EP	Z	20 07 37		21														
	E+PP	Z	08 26																
	E	Z	09 25																
	EL	NE	12 56																
	SBA EP	Z	20 13 35		66														
MAR 01	AFI EP	Z	20 52 55																
	ES	ZE	53 17																
	E	ZE	54 44																
MAR 01	21 27 50.4	27.3S	177.7W	33KM	4.5	KERMADEC IS													
	RAO EP	Z	21 28 13		6														
	ES	Z	47																
	AFI ELR	E	21 34 52		14														
MAR 01	21 32 11.8	15.4N	92.5W	59KM	4.5	MEXICO-GUATEMALA													
	AFI EP	Z	21 44 30		84	-0.38													
	EPCP	Z	53																
	ES	NE	54 57																
	EL	NE	22 07 20																
	EL	ZE	09 57																
MAR 01	21 52 04.4	23.5S	179.0E	541KM	5.2	S OF FIJI IS													
	RAO EP	Z	21 53 48		10														
	ES	Z	55 11																
	AFI IP	Z	21 54 48.9		13	0.53													
	ES	ZE	57 02																
	SBA IP	ZE	22 00 46.00		55	-0.74													
	ELR	ZE	22 28																
MAR 01	RAO EP	Z	21 56 40																
	ES	Z	57 11																
MAR 01	AFI EP	Z	22 00 45																
	ES	E	01 42																
	ET	ZE	05 38																
MAR 01	23 52 32.1	27.3S	177.9W	33KM	5.0	KERMADEC IS													
	RAO EP	Z	23 53 01		6														
	ES	Z	34																
	AFI EP	Z	23 55 50		14														
	ES	E	58 31																
	EL	E	59 28																
	EL	ZN	46																
	ET	ZE	24 11 06																
MAR 02	02 50 35.5	27.4S	177.7W	33KM	5.2	KERMADEC IS													
	RAO EP	Z	02 51 07		6														
	ES	Z	45																
	AFI EP	Z	02 53 58		15														
	ES	E	56 23																
	EL	ZNE	57 34																

		ET	ZE	03 08 30															
		H M S	EPICENTRE		DEPTH	MAG													
		H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG						
MAR 02	04 40 13.1	27.1S	177.6W	33KM	4.8	KERMADEC IS													
	RAO P	Z	04 40 43.8		6														
	ES	Z	41 17																
	AFI EP	ZE	04 43 32		14														
	ES	E	46 14																
	EL	ZNE	47 12																
	ET	ZE	58 30																
MAR 02	05 10 01.5	27.4S	177.7W	33KM	4.5	KERMADEC IS													
	RAO EP	Z	05 10 36		6														
	ES	Z	11 04																
MAR 02	05 13 53.9	27.3S	177.7W	33KM	4.4	KERMADEC IS													
	RAO EP	Z	05 14 30		6														
	ES	Z	59																
MAR 02	05 40 19.6	27.3S	177.7W	33KM	4.5	KERMADEC IS													
	RAO EP	Z	05 40 53		6														
	ES	Z	41 23																
	AFI ELR	E	05 47 12		14														
MAR 02	05 57 36.8	27.3S	177.5W	33KM	5.2	KERMADEC IS													
	RAO EP	Z	05 58 04		6														
	ES	Z	37																
	AFI EP	Z	06 00 51		14														
	ES	ZE	03 00																
	EL	ZNE	04 00																
	ET	ZE	13 44																
MAR 02	06 27 20.7	27.3S	177.8W	46KM	4.5	KERMADEC IS													
	RAO EP	Z	06 27 55		6														
	ES	Z	28 27																
MAR 02	06 34 48	61.0S	154.8E	33KM	5.3	BALLENY IS													
	SBA EP	ZNE	06 38 48		17	-0.81													
	E	ZNE	53																
MAR 02	07 25 05.3	27.4S	177.7W	68KM	4.5	KERMADEC IS													
	RAO EP	Z	07 25 36		6														
	ES	Z	26 03																
	AFI EP	Z	07 28 27		15														
	ES	NE	32 06																
	ET	ZE	43 23																
MAR 02	09 09 03.9	25.7S	178.6W	260KM	3.8	S OF FIJI IS													
	RAO EP	Z	09 09 14		8														
	ES	Z	38																

MAR 02	H M S			EPICENTRE			DEPTH	MAG							
	DIR	DIS	LG	A/T	AZ	TZ			AN	TN	AE	TE	MAG		
	09	19	41.6	27.2S	177.9W		39KM	5.6	KERMADEC IS						
RAO	EP	Z	09 20 13					6							
	ES	Z	09 24 41												
AFI	EP	Z	09 22 56				14								
	ES	ZE	25 24												
	EL	ZNE	26 38												
	ET	ZE	36 04												
SBA	EP	Z	09 28 45				51	-0.09							
MAR 02	H M S			EPICENTRE			DEPTH	MAG							
	DIR	DIS	LG	A/T	AZ	TZ			AN	TN	AE	TE	MAG		
	10	23	32.8	26.9S	177.7W		33KM	4.7	S OF FIJI IS						
RAO	EP	Z	10 24 07				7								
	ES	Z	10 36												
AFI	EP	Z	10 26 47				14								
	ES	NE	30 30												
	ET	ZE	40 22												
MAR 02	H M S			EPICENTRE			DEPTH	MAG							
	DIR	DIS	LG	A/T	AZ	TZ			AN	TN	AE	TE	MAG		
	10	29	07.5	27.6S	177.5W		33KM	4.5	KERMADEC IS						
RAO	EP	Z	10 29 41				6								
	ES	Z	10 30 16												
MAR 02	H M S			EPICENTRE			DEPTH	MAG							
	DIR	DIS	LG	A/T	AZ	TZ			AN	TN	AE	TE	MAG		
	11	05	53.7	27.4S	177.3W		63KM		KERMADEC IS						
RAO	EP	Z	11 06 28				6								
	ES	Z	11 55												
AFI	ESSS	NE	11 12 50				14								
MAR 02	H M S			EPICENTRE			DEPTH	MAG							
	DIR	DIS	LG	A/T	AZ	TZ			AN	TN	AE	TE	MAG		
	12	26	39.2	27.3S	177.6W		33KM	4.6	KERMADEC IS						
RAO	P	Z	12 27 12				6								
	ES	Z	12 42												
AFI	ESSS	NE	12 33 28				14								
	ELR	NE	34 12												
MAR 02	H M S			EPICENTRE			DEPTH	MAG							
	DIR	DIS	LG	A/T	AZ	TZ			AN	TN	AE	TE	MAG		
	12	53	26.0	26.9S	178.0W		75KM	4.8	S OF FIJI IS						
RAO	EP	Z	12 53 56				7								
	ES	Z	12 54 22												
AFI	EP	Z	12 56 44				14								
	ES	E	59 28												
	ET	ZE	13 11 22												
MAR 02	H M S			EPICENTRE			DEPTH	MAG							
	DIR	DIS	LG	A/T	AZ	TZ			AN	TN	AE	TE	MAG		
	12	57	38.0	27.3S	177.6W		33KM	4.5	KERMADEC IS						
RAO	EP	Z	12 58 14				6								
	ES	Z	12 47												
MAR 02	H M S			EPICENTRE			DEPTH	MAG							
	DIR	DIS	LG	A/T	AZ	TZ			AN	TN	AE	TE	MAG		
	14	23	08.6	27.3S	177.7W		34KM	5.1	KERMADEC IS						
RAO	EP	Z	14 23 40				6								
	ES	Z	14 24 11												
AFI	EP	Z	14 26 27				14								
	ES	E	28 55												
	E	E	29 08												
	EL	ZNE	30 04												
	ET	ZE	40 13												

MAR 02	H M S			EPICENTRE			DEPTH	MAG							
	DIR	DIS	LG	A/T	AZ	TZ			AN	TN	AE	TE	MAG		
	14	32	08.9	27.4S	177.6W		9KM	4.9	KERMADEC IS						
RAO	EP	Z	14 32 45				6								
	ES	Z	14 33 18												
AFI	EP	Z	14 35 30				14								
	E(S)	NE	39 12												
	ET	ZE	50 08												
MAR 02	H M S			EPICENTRE			DEPTH	MAG							
	DIR	DIS	LG	A/T	AZ	TZ			AN	TN	AE	TE	MAG		
	15	12	39.6	27.0S	177.7W		33KM	4.9	KERMADEC IS						
RAO	EP	Z	15 13 15				7								
	ES	Z	15 41												
MAR 02	H M S			EPICENTRE			DEPTH	MAG							
	DIR	DIS	LG	A/T	AZ	TZ			AN	TN	AE	TE	MAG		
	15	20	22.3	27.1S	176.7W		33KM	4.7	KERMADEC IS						
RAO	EP	Z	15 20 53				6								
	ES	Z	15 21 20												
AFI	EP	Z	15 23 40				14								
	ES	ZE	26 24												
	EL	NE	27 18												
	ET	ZE	41 19												
MAR 02	H M S			EPICENTRE			DEPTH	MAG							
	DIR	DIS	LG	A/T	AZ	TZ			AN	TN	AE	TE	MAG		
	15	25	27.7	27.3S	178.2W		89KM	4.9	KERMADEC IS						
RAO	P	Z	15 25 57				6								
	ES	Z	15 24 26												
AFI	EP	Z	15 26 49				15								
	ES	ZNE	29 28												
	ELR	ZNE	30 28												
MAR 02	H M S			EPICENTRE			DEPTH	MAG							
	DIR	DIS	LG	A/T	AZ	TZ			AN	TN	AE	TE	MAG		
	15	48	31.6	27.1S	177.5W		33KM	4.8	KERMADEC IS						
RAO	EP	Z	15 49 05				6								
	ES	Z	15 33												
AFI	ELW	E	15 55 32				14								
MAR 02	H M S			EPICENTRE			DEPTH	MAG							
	DIR	DIS	LG	A/T	AZ	TZ			AN	TN	AE	TE	MAG		
	16	25	04.0	27.0S	177.0W		33KM	4.8	KERMADEC IS						
RAO	P	Z	16 25 38				7								
	ES	Z	16 26 07												
AFI	EP	Z	16 28 29				14								
	ELR	E	32 04												
MAR 02	H M S			EPICENTRE			DEPTH	MAG							
	DIR	DIS	LG	A/T	AZ	TZ			AN	TN	AE	TE	MAG		
	16	34	26.9	27.0S	177.7W		70KM	4.9	KERMADEC IS						
RAO	EP	Z	16 34 56				7								
	ES	Z	16 37 40				14								
AFI	EP	NE	41 04												
	ET	ZE	52 18												
MAR 02	AFI	EL	E	17	52	00									
MAR 02	AFI	IP	Z	18	18	24.5									
	IS	E	45												
MAR 02	AFI	EL	E	18	25	40									
MAR 02	AFI	EL	E	18	41	04									
MAR 02	AFI	E(S)	E	19	09	46									

MAR 02	H M S			EPICENTRE		DEPTH	MAG	KERMADEC IS								
	19 29 16.5	27.5S	177.5W	33KM	4.6			DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE
	RAO	EP	Z	19 29 48		6										
		ES	Z	30 21												
	AFI	EP	Z	19 32 30		15										
		ES	NE	36 00												
		ET	ZE	47 48												
MAR 02	H M S			EPICENTRE		DEPTH	MAG	KERMADEC IS								
	19 51 01.0	27.2S	177.9W	33KM	5.1			DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE
	RAO	EP	Z	19 51 33		6										
		ES	Z	52 06												
	SUV	EP	Z	19 53 18		10										
	AFI	EP	Z	19 54 19		14										
		ES	E	57 48												
		ET	ZE	20 08 13												
MAR 02	H M S			EPICENTRE		DEPTH	MAG	KERMADEC IS								
	20 24 19.2	27.3S	177.5W	33KM	4.6			DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE
	RAO	P	Z	20 24 53		6										
		S	Z	25 23												
	AFI	EP	Z	20 27 10		14										
		ES	NE	30 08												
MAR 02	H M S			EPICENTRE		DEPTH	MAG	KERMADEC IS								
	21 07 20.7	27.4S	177.5W	33KM	4.5			DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE
	RAO	IP	Z	21 07 55.0		6										
		ES	Z	08 24												
	AFI	EP	Z	21 10 36		14										
		ES	E	14 10												
MAR 02	H M S			EPICENTRE		DEPTH	MAG	S OF FIJI IS								
	21 22 29.9	26.7S	177.9W	33KM	4.6			DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE
	RAO	EP	Z	21 23 03		7										
	AFI	EP	Z	21 25 47		14										
		ES	NE	29 18												
		ET	ZE	39 08												
	MAR 02	AFI	E(S)	NE	21 49 36											
	MAR 02	AFI	EL	NE	22 30 43											
MAR 02	H M S			EPICENTRE		DEPTH	MAG	KERMADEC IS								
	22 42 00.1	27.9S	177.5W	33KM	4.6			DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE
	RAO	EP	Z	22 42 35		6										
		ES	Z	43 02												
	AFI	EP	Z	22 45 32		15										
		ELR	NE	49 00												
MAR 02	H M S			EPICENTRE		DEPTH	MAG	S OF FIJI IS								
	23 30 42.8	26.7S	178.0W	109KM	4.9			DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE
	RAO	EP	Z	23 31 06		7										
		ES	Z	39												
	SUV	EP	Z	23 32 57		9										
	AFI	EP	Z	23 33 49		14										
		ES	ZE	36 17												
		EL	E	37 56												
		ET	ZE	47 03												

MAR 02	H M S			EPICENTRE		DEPTH	MAG	KERMADEC IS								
	23 33 39.3	27.0S	177.7W	33KM	5.2			DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE
	RAO	EP	Z	23 34 10		7										
		ES	Z	39												
	AFI	EP	Z	23 37 03		14										
		ES	E	39 31												
		ET	ZE	51 03												
MAR 03	H M S			EPICENTRE		DEPTH	MAG	KERMADEC IS								
	01 02 24.4	27.2S	177.7W	33KM	4.9			DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE
	RAO	EP	Z	01 03 00		6										
		ES	Z	25												
	AFI	EP	Z	01 05 38		14										
		ES	E	08 40												
		ET	ZE	20 07												
	MAR 03	RAO	IP	Z	01 44 00	D										
	MAR 03	AFI	EL	NE	01 50 14											
	MAR 03	RAO	IP	Z	01 58 58	D										
		ES	Z	59 27												
MAR 03	H M S			EPICENTRE		DEPTH	MAG	KERMADEC IS								
	02 36 10	27.3S	177.5W	33KM	4.6			DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE
	RAO	EP	Z	02 36 47		6										
	MAR 03	RAO	P	Z	03 00 44											
		ES	Z	01 14												
	MAR 03	RAO	P	Z	03 10 21											
MAR 03	H M S			EPICENTRE		DEPTH	MAG	KERMADEC IS								
	03 17 04.1	27.2S	177.6W	33KM	5.4			DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE
	RAO	P	Z	03 17 36		6										
	SUV	EP	Z	03 19 22		10										
	AFI	EP	ZE	03 20 16		14										
		ES	ZE	22 45												
		ET	ZE	53 28												
	MAR 03	AFI	IP	Z	03 31 27.4											
		ES	E	50												
MAR 03	H M S			EPICENTRE		DEPTH	MAG	KERMADEC IS								
	04 23 05	27.8S	177.8W	33KM	4.5			DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE
	RAO	EP	Z	04 23 40		6										
		ES	Z	24 10												
MAR 03	H M S			EPICENTRE		DEPTH	MAG	KERMADEC IS								
	05 11 01.1	28.1S	177.5W	33KM	4.8			DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE
	RAO	EP	Z	05 11 40		6										
		ES	Z	12 11												
	AFI	EP	Z	05 14 22		15										
		ES	E	16 45												
		EL	E	17 12												
		ET	ZE	28 47												

MAR 03	H M S	EPICENTRE	DEPTH	MAG	KERMADEC IS									
					DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE
	05 52 57.4	27.2S 177.6W	33KM	4.7										
		H M S												
	SUV EP	Z 05 55 16		10										
	AFI EP	Z 05 56 12		14										
	ES	NE 59 34												
	ET	ZE 06 11 04												
MAR 03	AFI EP	Z 06 35 40												
	ES	E 39 10												
	ET	ZE 50 58												
MAR 03	07 01 40.8	27.8S 177.5W	33KM	4.8	KERMADEC IS									
		H M S												
	RAO IP	Z 07 02 12		6										
	ES	Z 41												
	AFI EP	Z 07 04 51		15										
	ES	NE 07 50												
	ELR	E 08 25												
	ET	ZE 19 05												
MAR 03	AFI ES	E 07 25 20												
MAR 03	AFI E(P)	Z 09 00 53												
	ES	E 05 12												
MAR 03	RAO EP	Z 09 07 11												
	ES	Z 38												
MAR 03	AFI EP	Z 09 09 52												
	ES	E 13 20												
	ELR	E 14 05												
MAR 03	AFI EP	Z 09 43 13												
	ES	E 45 18												
MAR 03	RAO EP	Z 10 10 35												
	ES	Z 11 06												
MAR 03	11 25 24.0	27.3S 177.6W	76KM	4.4	KERMADEC IS									
		H M S												
	RAO EP	Z 11 25 54		6										
	ES	Z 26 25												
MAR 03	11 36 28.3	27.2S 177.6W	33KM	5.0	KERMADEC IS									
		H M S												
	RAO EP	Z 11 37 01		6										
	SUV EP	Z 11 38 45		10										
	AFI EP	Z 11 39 45		14										
	ES	ZE 42 18												
	EL	E 43 22												
	ET	ZE 53 42												
MAR 03	RAO EP	Z 12 21 42												
	ES	Z 22 11												
MAR 03	13 34 04.9	15.7S 173.3W	33KM	4.4	TONGA IS									
		H M S												
	AFI EP	Z 13 34 41		2										
	ES	ZE 35 10												
MAR 03	RAO EP	Z 13 46 09												

MAR 03	AFI E(S)	E	13 51 44											
MAR 03	RAO IP	Z	13 58 53											
MAR 03	AFI E(S)	E	14 05 40											
MAR 03	14 39 05.0	27.0S 177.8W	43KM	5.6	KERMADEC IS									
		H M S												
	RAO EP	Z 14 39 36		7										
	SUV EP	Z 14 41 21		9										
	AFI EP	Z 14 42 17		14										
	ES	ZE 44 46												
	EL	E 45 06												
	ET	ZE 55 44												
MAR 03	15 14 09.7	5.5S 151.9E	44KM	6.0	NEW BRITAIN									
		H M S												
	AFI EP	Z 15 21 14		37	-0.07									
	ES	E 26 43												
	ELQ	NE 29 44												
	ELR	ZE 31 20												
	SBA EP	Z 15 25 46		73		7 16							6.4	
	ES	ZNE 34 56				20 28								
	ESS	ZN 39 19				27 38								
	ESSS	Z 43 14												
	ELQ	E 45 09												
	ELR	ZNE 47 56							14 24	14 18		8 20		
MAR 03	AFI EP	Z 15 33 02												
	ES	E 34 35												
MAR 03	RAO P	Z 15 52 45												
	ES	Z 53 15												
MAR 03	16 47 25.7	53.1N 171.2E	23KM	5.6	ALEUTIAN IS									
		H M S												
	AFI EL	ZN 17 18 30		68										
MAR 03	RAO P	Z 17 25 16												
	ES	Z 45												
MAR 03	AFI E(P)	Z 17 50 36												
MAR 03	19 29 16.1	45.7N 150.9E	33KM	5.1	KURILE IS									
		H M S												
	AFI EL	ZN 20 00 30		68										
MAR 03	19 55 16.7	27.1S 177.7W	33KM	5.1	KERMADEC IS									
		H M S												
	RAO P	Z 19 55 53		6										
	ES	Z 56 21												
	AFI EP	Z 19 58 30		14										
	ES	ZN 20 01 44												
	ET	ZE 13 16												
MAR 03	21 12 16.5	27.2S 177.7W	33KM	5.0	KERMADEC IS									
		H M S												
	RAO P	Z 21 12 52		6										
	ES	Z 13 24												
	AFI EP	Z 21 15 33		14										

	H	M	S	EPICENTRE	DEPTH	MAG	
MAR 08	19	22	45.6	22.3S 171.4E	125KM	5.4	LOYALTY IS
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
	SUV	EP	Z	19 24 46	8		
	RAO	EP	Z	19 25 43	14		
	SBA	IP	ZNE	19 32 11.5D	56	-0.07	
MAR 08	23	11	31.7	24.6S 67.1W	168KM	5.4	CHILE-ARGENTINA
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
	SBA	EP	ZNE	23 22 47	73	-0.74	
MAR 09	01	36	45.4	17.0S 177.4W	386KM	5.5	FIJI IS
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
	AFI	EP	ZE	01 38 21	6		
		ES	ZNE	01 39 32			
	SBA	IP	ZNE	01 46 23.7U	61	-0.83	
MAR 09	01	36	49.0	17.1S 177.4W	429KM	5.5	FIJI IS
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
	SUV	EP	Z	01 38 04	4	0.94	
MAR 09	10	30	15.6	27.0S 177.7W	103KM	4.7	KERMADEC IS
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
	RAO	EP	Z	10 30 42	7		
		ES	Z	10 31 11			
	AFI	EP	Z	10 33 22	14		
		ES	E	10 36 48			
MAR 09	10	36	37.9	27.7S 177.6W	102KM		KERMADEC IS
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
	RAO	EP	Z	10 37 06	6		
		ES	Z	10 37 35			
		E	Z	10 37 59			
MAR 09	17	57	53.7	39.4N 24.0E	18KM	5.7	AEGEAN SEA
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
	AFI	EPKP	Z	18 17 48	151		
		ESSS	E	18 46 46			
		E	E	19 00 06			
		EL	N	11 42			
		EL	ZN	16 20			
MAR 10	00	27	17.9	18.0S 178.4W	589KM	4.2	FIJI IS
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
	AFI	EP	Z	00 29 13	8		
		ES	NE	30 40			
MAR 10	02	14	22	4.1S 143.5E	122KM	5.2	NEW GUINEA
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
	SBA	EP	Z	02 25 50	75		
MAR 10							
	AFI	EP	Z	05 19 34			
		ES	NE	20 48			
MAR 10	11	16	50.1	17.1S 174.2W	125KM	4.3	TONGA IS
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
	AFI	EP	Z	11 17 50	4		

	H	M	S	EPICENTRE	DEPTH	MAG	
MAR 10	15	53	42.5	21.9S 179.4E	614KM	5.7	S OF FIJI IS
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
	SUV	IP	Z	15 55 06	D	4	0.46
	RAO	P	Z	15 55 35	11		
		ES	Z	15 56 58			
	AFI	IP	Z	15 56 11	12	0.01	
		ES	ZNE	15 58 12			
	SBA	EP	Z	16 02 29	56	-0.93	5.4
MAR 11							
	RAO	EP	Z	01 55 39			
		ES	Z	01 56 25			
MAR 11	08	01	45.1	18.4S 169.7E	25KM	5.0	NEW HEBRIDES IS
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
	AFI	ES	ZNE	08 09 56	18		
	SBA	EP	Z	08 11 48	60		
MAR 11							
	AFI	EP	Z	10 40 58			
		ES	NE	42 29			
MAR 11							
	SUV	IP?	Z	10 41 19			
MAR 11	17	07	06	54.7S 0.7E	33KM	5.4	BOUVET IS
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
	SBA	EP	ZNE	17 15 36	47		
		PP	Z	17 32			
MAR 12	06	02	42.5	15.7S 177.3W	406KM	4.2	FIJI IS
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
	AFI	EP	Z	06 04 12	6		
		ES	E	05 28			
MAR 12	11	13	53.1	19.1S 176.6E	33KM	4.8	S OF FIJI IS
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
	SUV	EP	Z	11 14 24	2		
		ES	Z	11 15 50			
MAR 12	17	31	02.2	26.8S 176.5W	48KM	4.7	S OF FIJI IS
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
	RAO	EP	Z	17 31 44	7		
		ES	Z	17 32 19			
	AFI	EP	Z	17 34 04	14		
		ES	E	36 23			
		ET	ZE	46 48			
MAR 13	08	55	34.7	26.8S 176.3W	31KM	5.3	S OF FIJI IS
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
	RAO	EP	Z	08 56 20	7		
	SUV	EP	Z	08 58 08	10		
	AFI	EP	Z	08 58 38	14		
		ES	E	09 00 54			
		ET	ZE	11 10			
MAR 13	13	54	33.0	20.4S 177.6W	470KM	5.7	FIJI IS
				H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE
	SUV	IP	Z	13 55 58	U	4	0.64
	AFI	IP	ZE	13 56 36	9	0.13	

	ES	ZE	58 10		
RAO	EP	Z	13 56 40	12	
	ES	Z	58 20		
SBA	EP	ZNE	14 03 42	58 -0.74	
MAR 14	AFI	EP	Z 04 59 13		
	ES	ZE	05 00 06		
MAR 14		H M S	EPICENTRE	DEPTH	MAG
		08 37 12.8	24.6S 179.7W	462KM	4.3 S OF FIJI IS
	AFI	EP	Z 08 40 58	13	
	ES	E	42 13		
MAR 14		H M S	EPICENTRE	DEPTH	MAG
		15 53 06.6	36.3N 70.7E	219KM	6.6 HINDU KUSH
	SUV	EPP	Z 16 11 22	115	
	E		12 22		
	AFI	EPKP	Z 16 11 34	120	
		EPP	ZN 13 00		
		EPPP	ZE 14 49		
		EPKPP	Z 21 45		
		E	ZN 29 03		
		EL	ZN 42 11		
	SBA	EP	Z 16 09 24	126	
		EPKP	Z 11 34		
		EPKP	Z 43		
		EPKP	ZNE 46		
		E+PPKP	ZE 12 39		
		EPP	ZE 13 36		
		ESKS	E 18 32		
		ESKKS	E 20 20		
		ESKSP	ZNE 23 06		
		EPKKS	ZE 26		
		EPKS	Z 25 24		
		ESKKS	ZE 28 40		
		ESS	N 30 34		
		ESSS	E 36 28		
		E	40 46		
		ELQ	N 45 18		
		ELR	ZE 51 54		
MAR 14		H M S	EPICENTRE	DEPTH	MAG
		22 11 42.3	19.0S 176.1W	39KM	5.2 FIJI IS
	AFI	EP	Z 22 13 18	7	
	ES	N	14 30		
MAR 14	AFI	IP	Z 22 58 22.4		
	ES	ZE	45		
MAR 14		H M S	EPICENTRE	DEPTH	MAG
		23 49 00.4	16.2S 177.3W	427KM	4.4 FIJI IS
	AFI	IP	Z 23 50 32.4	6 -0.45	
	ES	ZE	51 45		
MAR 15		H M S	EPICENTRE	DEPTH	MAG
		03 01 13.3	15.0S 173.9W	33KM	5.0 TONGA IS
	AFI	EP	Z 03 01 47.4	2 0.38	
	ES	ZE	02 15		
	SBA	EP	Z 03 11 47	64	

MAR 15		H M S	EPICENTRE	DEPTH	MAG
		06 04 00.5	23.6S 176.8W	33KM	4.6 S OF FIJI IS
	RAO	EP	Z 06 05 40	9	
	ES	Z	06 38		
	AFI	EP	Z 06 06 33	11	
		ES	E 08 16		
		ET	ZE 17 07		
	SBA	EP	Z 06 13 32	55	
		EPCP	Z 14 31		
MAR 15	AFI	EP	Z 08 25 46		
	ES	ZE	26 14		
	ET	ZE	28 03		
MAR 15	AFI	IP	Z 11 22 49.2U		
	ES	ZE	23 10		
MAR 15	AFI	EP	Z 15 46 49		
	ES	ZE	47 10		
MAR 16		H M S	EPICENTRE	DEPTH	MAG
		04 40 47	27.1S 176.4W	33KM	4.4 KEPMADEC IS
	RAO	EP	Z 04 41 28	7	
	ES	Z	42 00		
	AFI	EP	Z 04 43 53	14	
	ES	NE	45 57		
	ET	ZNE	56 38		
	SBA	EP	Z 04 50 04	51	
MAR 16		H M S	EPICENTRE	DEPTH	MAG
		10 39 40.5	23.7S 179.8E	580KM	5.5 S OF FIJI IS
	SUV	EP	Z 10 41 10	6	
	RAO	EP	Z 10 41 12	9	
	ES	Z	42 24		
	AFI	IP	Z 10 42 18	13 -0.38	
	ES	ZE	44 27		
	SBA	EP	Z 10 48 16	55 -1.22	5.2
MAR 16		H M S	EPICENTRE	DEPTH	MAG
		16 46 13.5	40.8N 142.9E	34KM	5.6 NEAR HONSHU
	AFI	EP	Z 16 57 18	69	
	EPPP	Z	17 01 50		
	ES	ZNE	06 26		
	ESS	ZNE	10 24		
	ESSS	ZNE	14 05		
	EL	ZNE	17 20		
	SBA	EPKP	Z 17 05 02	119	
MAR 17	RAO	EP	Z 00 24 25		
	ES	Z	52		
MAR 17	AFI	EP	Z 12 51 29		
MAR 17		H M S	EPICENTRE	DEPTH	MAG
		14 27 12.4	52.8N 171.9E	23KM	6.0 ALEUTIAN IS
	AFI	ES	ZNE 14 47 20	68	
	ESSS	E	55 38		
	EL	ZN	58 10		
MAR 17	AFI	EP	Z 21 37 03	-1.41	
	ES	NE	39 24		

	H	M	S	EPICENTRE	DEPTH	MAG	
MAR 24	09	41	30.4	13.4S 167.1E	210KM	4.7	NEW HEBRIDES IS
				H M S	DIR DIS LG A/T AZ TZ AN TN AE TE		
	AFI	EP	Z	09 45 54		21	
	SBA	P	Z	09 51 45		64	-0.84
MAR 24	10	07	43	20.1S 174.1W	33KM	5.1	TONGA IS
				H M S	DIR DIS LG A/T AZ TZ AN TN AE TE		
	AFI	EP	Z	10 09 15		7	
		ES	ZNE	10 25			
		EL	ZNE	11 06			
		ET	ZNE	15 38			
	RAO	EP	Z	10 09 57		13	
		ES	Z	11 53			
	SBA	EP	ZNE	10 17 39		59	-0.82
		ELR	ZNE	37 06			
MAR 24	10	22	41.6	19.7S 174.4W	33KM	4.0	TONGA IS
				H M S	DIR DIS LG A/T AZ TZ AN TN AE TE		
	AFI	EP	Z	10 24 14		6	
		ES	NE	25 24			
		ET	ZNE	30 52			
MAR 24	AFI	EP	Z	14 48 32.7			
		ES	ZNE	53			
MAR 24	AFI	EP	Z	15 41 43			
		ES	NE	42 03			
MAR 24	17	31	10.4	21.9S 169.9E	41KM	6.6	LOYALTY IS
				H M S	DIR DIS LG A/T AZ TZ AN TN AE TE		
	AFI	EL	ZNE	17 40 46		19	
MAR 24	18	23	59.9	25.4S 177.3W	143KM	5.0	S OF FIJI IS
				H M S	DIR DIS LG A/T AZ TZ AN TN AE TE		
	RAO	P	Z	18 24 55		8	
		E	Z	25 11			
		ES	Z	43			
	AFI	EP	Z	18 26 44		13	
		ES	NE	28 52			
		ET	ZNE	37 10			
	SBA	EP	Z	18 33 35		53	
MAR 24	18	35	20.7	23.6S 115.3W	33KM	4.5	EASTER IS CORD
				H M S	DIR DIS LG A/T AZ TZ AN TN AE TE		
	AFI	EL	ZNE	18 59 12		54	
MAR 24	22	42	09.6	8.4N 126.6E	51KM	5.8	PHILIPPINE IS
				H M S	DIR DIS LG A/T AZ TZ AN TN AE TE		
	AFI	EP	Z	22 52 49		65	
		EL	ZNE	23 12 14			
	SBA	P	ZNE	22 55 01		89	-0.38
MAR 24	AFI	IP	Z	23 26 12	D		
		ES	ZNE	31			
MAR 24	AFI	IP	Z	23 59 37.5U			
		ES	ZNE	58			

	H	M	S	EPICENTRE	DEPTH	MAG	
MAR 25	07	17	21.4	14.3S 167.4E	205KM	5.8	NEW HEBRIDES IS
				H M S	DIR DIS LG A/T AZ TZ AN TN AE TE		
	AFI	EP	ZNE	07 21 45		20	-0.14
		E*PP	Z	22 40			6.3
	SBA	P	ZN	07 27 32		64	
MAR 25	09	49	16.9	19.9S 176.0W	206KM		FIJI IS
				H M S	DIR DIS LG A/T AZ TZ AN TN AE TE		
	AFI	EP	Z	09 51 01		7	
		ES	NE	52 07			
MAR 25	AFI	IP	Z	12 21 44	U		
		ES	ZNE	22 00			
MAR 25	AFI	EP	Z	15 58 17			
		ES	ZNE	35			
MAR 25	18	32	50.5	7.4S 153.9E	96KM	5.6	NEW BRITAIN
				H M S	DIR DIS LG A/T AZ TZ AN TN AE TE		
	AFI	EP	Z	18 39 28		34	-0.98
MAR 25	21	05	40.7	20.4S 174.1W	33KM	4.7	TONGA IS
				H M S	DIR DIS LG A/T AZ TZ AN TN AE TE		
	AFI	EP	Z	21 07 12		7	
		ES	ZNE	08 22			
		ET	ZNE	13 49			
	SUV	EP	Z	21 07 35		7	
MAR 25	23	36	29.8	15.1S 173.4W	33KM	4.7	TONGA IS
				H M S	DIR DIS LG A/T AZ TZ AN TN AE TE		
	AFI	IP	ZNE	23 37 00.4		2	
		S	ZNE	21			
	SUV	EP	Z	23 38 35		8	
MAR 26	00	20	56.3	20.0S 178.1W	567KM	5.8	FIJI IS
				H M S	DIR DIS LG A/T AZ TZ AN TN AE TE		
	SUV	IP	Z	00 22 28	U	4	
	AFI	IP	Z	00 23 00.3D		9	
		IS	ZNE	24 37			
	RAO	IP	Z	00 23 09.6U		12	
		ES	Z	24 43			
	SBA	IP	ZNE	00 30 00.5U		58	-0.60
MAR 26	AFI	EP	Z	07 53 33			
		ES	NE	55 18			
MAR 26	AFI	EP	Z	08 22 11			
		ES	NE	31			
MAR 26	AFI	IP	Z	13 44 56.5D			
		ES	NE	45 17			
MAR 26	AFI	IP	Z	13 49 17.9D			
		ES	NE	38			
MAR 26	16	12	36.9	22.2S 175.0W	33KM	5.2	TONGA IS
				H M S	DIR DIS LG A/T AZ TZ AN TN AE TE		
	RAO	EP	Z	16 14 20		11	
		ES	Z	15 39			

		Z	H	M	S	EPICENTRE	DEPTH	MAG										
	SUV EP	Z	16	14	31			7										
	AFI EP	Z	16	14	41			9	-0.45									
		NE			16													
		ZNE			23													
	SBA EP	Z	16	22	16			56										
MAR 27	H M S					EPICENTRE	DEPTH	MAG										
	14 46 54		32.9S	178.5W		33KM								S OF KERMADEC IS				
			H M S			DIR DIS LG A/T	AZ TZ	AN TN	AE TE									
	RAO EP	Z	14	47	49			5										
MAR 27	AFI EP	ZE	16	33	42				-0.48									
		ZE			34													
		ET	ZNE		36													
MAR 27	AFI EP	ZE	20	07	33				-0.98									
		NE			09													
MAR 27	H M S					EPICENTRE	DEPTH	MAG										
	20 26 24.4		6.5N	123.7E		87KM		5.2		PHILIPPINE IS								
			H M S			DIR DIS LG A/T	AZ TZ	AN TN	AE TE									
	SBA EP	Z	20	36	53			87										
	E	ZNE			56													
	E*SP	NE			37													
MAR 28	AFI EP	Z	01	18	27													
		NE			19													
		ET	ZNE		22													
MAR 28	AFI EP	Z	04	19	25													
		NE			21													
MAR 28	H M S					EPICENTRE	DEPTH	MAG										
	05 30 25.4		15.0S	72.3W		108KM		4.6		S PERU								
			H M S			DIR DIS LG A/T	AZ TZ	AN TN	AE TE									
	SBA EP	Z	05	42	33			82										
MAR 28	H M S					EPICENTRE	DEPTH	MAG										
	09 59 58.0		15.7S	74.1W		45KM		5.4		PERU								
			H M S			DIR DIS LG A/T	AZ TZ	AN TN	AE TE									
	SBA EP	ZNE	10	12	07			81										
MAR 28	H M S					EPICENTRE	DEPTH	MAG										
	13 22 57.6		55.1N	162.1E		33KM		5.9		KAMCHATKA								
			H M S			DIR DIS LG A/T	AZ TZ	AN TN	AE TE									
	SBA EPKP	ZNE	13	42	10			133										
	ESKP	Z			45			35										
MAR 28	H M S					EPICENTRE	DEPTH	MAG										
	16 33 15.7		32.4S	71.3W		72KM		6.4		NEAR CHILE								
			H M S			DIR DIS LG A/T	AZ TZ	AN TN	AE TE									
	SBA IP	ZNE	16	43	47.3D			65										
	EPP	Z			46			14										
	ESCP	Z			48			07										
	ES	ZNE			52			28										
	ESS	N			56			35										
	ELQ	ZN			59			58										
	ELR	Z			17			02										
	E	Z			12			25										
	EPKPPK	ZNE			33													
	E	N			44													
	EPKPPK	Z			55													
	RAO EP	Z	16	45	57			82										
	AFI IP	Z	16	46	16.3D			91	0.62									
		ZNE			49			50										
		ES	ZNE		56			17										
		ESS	ZNE		17			03										

		Z	H	M	S	EPICENTRE	DEPTH	MAG										
	ELQ	ZNE			10			27										
	ELR	ZNE			14			48										
MAR 28	H M S					EPICENTRE	DEPTH	MAG										
	21 13 11		24.5S	180.0E		488KM				S OF FIJI IS								
			H M S			DIR DIS LG A/T	AZ TZ	AN TN	AE TE									
	RAO EP	Z	21	40	40			9										
	ES	Z			41			49										
MAR 29	H M S					EPICENTRE	DEPTH	MAG										
	00 35 59.8		20.8S	173.6W		33KM		4.6		TONGA IS								
			H M S			DIR DIS LG A/T	AZ TZ	AN TN	AE TE									
	AFI EP	Z	00	37	33			7										
	ES	NE			38			42										
MAR 29	AFI IP	Z	06	44	50.3D				-0.68									
	ES	ZNE			45			37										
MAR 29	H M S					EPICENTRE	DEPTH	MAG										
	10 47 37.6		40.8N	142.8E		33KM		6.1		NEAR HONSHU								
			H M S			DIR DIS LG A/T	AZ TZ	AN TN	AE TE									
	AFI EP	Z	10	58	45			69										
	ES	ZNE			11			07										
	ESS	ZNE			11			46										
	ESSS	ZNE			15			10										
	EL	ZNE			18			36										
	SBA EPKP	Z	11	06	23			119										
	ESP	ZN			17			34										
	ESS	ZN			23			52										
	ELR	ZN			44			13										
MAR 29	AFI E	ZN	13	25	54													
	EL	ZNE			30			47										
MAR 29	H M S					EPICENTRE	DEPTH	MAG										
	14 32 41.2		52.2N	175.4E		34KM		5.0		ALEUTIAN IS								
			H M S			DIR DIS LG A/T	AZ TZ	AN TN	AE TE									
	AFI ES	ZNE	14	52	26			67										
	EL	ZN			15			02										
MAR 29	H M S					EPICENTRE	DEPTH	MAG										
	15 20 15.8		21.4S	170.2E		100KM				LOYALTY IS								
			H M S			DIR DIS LG A/T	AZ TZ	AN TN	AE TE									
	SBA EP	Z	15	29	50			57										
MAR 29	AFI EP	Z	15	24	30													
MAR 29	AFI EP	Z	16	55	29													
	ES	NE			56			22										
MAR 29	AFI EP	Z	19	38	11													
	ES	NE			41													
MAR 29	SUV EP	Z	20	31	01													
MAR 29	SUV EP	Z	21	44	53													

DATE	H M S	EPICENTRE	DEPTH	MAG	LOCATION							
					DIR	DIS	LG	A/T	AZ	TZ	AN	TN
MAR 30	00 21 00.2	20.0S 173.9W	33KM	5.5	TONGA IS							
		H M S										
	AFI EP	Z 00 22 32										
	ES	NE 23 39										
	EL	ZNE 24 00										
	ET	ZNE 29 00										
	SUV EP	Z 00 22 50		7								
	RAO EP	Z 00 23 14		13								
	ES	Z 24 55										
	SBA EP	ZN 00 30 55		59	-0.46							
MAR 30	02 27 07.2	50.6N 177.9E	51KM		ALEUTIAN IS							
		H M S										
	SBA EPKP	ZNE 02 46 08		128								
	EPKPPK	Z 59 06										
MAR 30	SUV EP	Z 02 38 02										
MAR 30	AFI EP	Z 03 06 36			-0.55							
MAR 30	15 59 34.1	41.0N 142.7E	32KM	5.7	JAPAN							
		H M S										
	AFI EL	ZNE 16 30 54		69								
MAR 30	AFI EP	Z 22 03 36			-1.12							
	ES	NE 05 07										
MAR 30	22 08 51	21.0S 173.6W	33KM	4.8	TONGA IS							
		H M S										
	AFI EP	Z 22 10 23		7								
	ES	NE 11 30										
	ET	ZNE 16 51										
	SUV EP	Z 22 10 59		8								
MAR 31	AFI EP	Z 01 22 57										
	IS	NE 23 32										
MAR 31	09 47 30.7	38.6N 22.4E	78KM	6.3	GREECE							
		H M S										
	SBA EPKP	Z 10 06 46		138								
	EPKP	ZNE 10 50										
	ESKP	ZE 10 16										
	ESS	N 27 48										
	ESSS	Z 32 37										
	ELR	ZN 50 25										
	AFI EPKP	Z 10 07 15		152						31	23	22 23
	EPKP	Z 22										
	E	ZNE 10 40										
	ESKS	ZNE 14 21										
	ES	NE 17 52										
	ESKSP	ZNE 21 10										
	EPPS	ZNE 24 27										
	ESS	ZNE 31 14										
	EL	ZNE 40 00										
	EL	ZNE 42 00										
	EL	ZNE 49 24										
	SUV EPKP	Z 10 07 18		151								

DATE	H M S	EPICENTRE	DEPTH	MAG	LOCATION							
					DIR	DIS	LG	A/T	AZ	TZ	AN	TN
MAR 31	10 46 08.6	50.3N 178.2E	30KM	5.6	ALEUTIAN IS							
		H M S										
	SBA EPKP	Z 11 05 12		128								
MAR 31	SUV IP	Z 13 52 06		U								
MAR 31	AFI EP	Z 15 30 13										
	ES	ZNE 32 21										
	ET	ZNE 37 07										
MAR 31	18 52 46	21.4S 174.3E	33KM		NEW HEBRIDES IS							
		H M S										
	SUV EP	Z 18 54 43		5								
	SBA EP	Z 19 02 31		57								
	E+SP	Z 45										
MAR 31	AFI EP	Z 19 25 12										
	ES	NE 59										
APR 01	AFI ES	NE 04 19 37										
	EP	Z 17 57										
APR 01	08 34 53	20.2S 173.4W	33KM	4.8	TONGA							
		H M S										
	AFI EP	Z 08 36 24		6								
	ES	NE 37 36										
	ET	ZNE 43 09										
	SUV EP	Z 08 36 49		8								
APR 01	AFI IP	Z 11 58 22.7U										
	IS	NE 38.7										
APR 01	AFI EP	Z 12 14 42										
	ES	NE 59										
APR 01	13 43 32.6	20.6S 173.6W	46KM	5.1	TONGA							
		H M S										
	AFI EP	Z 13 45 04		7								
	ES	NE 46 13										
	ET	ZNE 51 18										
	SUV EP	Z 13 45 30		8								
APR 01	16 59 07.0	17.8S 178.6W	554KM	4.5	FIJI							
		H M S										
	SUV EP	Z 16 59 26		3								
	AFI EP	Z 17 01 02		8								
	ES	NE 02 34										
APR 01	AFI IP	Z 17 03 16.5U										
	IS	NE 36										
APR 01	SUV EP	Z 21 22 59										
APR 01	AFI EP	Z 21 23 33										
	E	Z 24 25										
	ES	NE 56										
APR 01	21 20 43.8	50.0S 114.1W	33KM	5.3	EASTER IS							
		H M S										
	AFI EP	Z 21 30 39		59								

		Z	H	M	S	EPICENTRE	DEPTH	MAG					
		H M S				DIR DIS LG A/T AZ TZ AN TN AE TE							
AFI	EP	Z	15	39	16		14						
	ES	NE	41	34									
	EL	NE		56									
	EL	Z	42	12									
	ET	ZNE	51	16									
SBA	EP	ZNE	15	45	19		52	-0.80					
	ES	NE	52	32									
	E(SS)	E	55	19									
	ELR	NE	16	00	51								
APR 04		H M S				EPICENTRE	DEPTH	MAG					
		15 52 47.7				26.9S 176.1W	29KM	5.0	S OF FIJI				
		H M S				DIR DIS LG A/T AZ TZ AN TN AE TE							
SUV	EP	Z	15	55	13		10						
AFI	EP	Z	15	55	52		14	-0.48					
	ES	ZNE	58	12									
	ET	ZNE	16	08	30								
SBA	EP	ZNE	16	01	55		52	-1.31					
APR 04		H M S				EPICENTRE	DEPTH	MAG					
		16 10 08.3				27.1S 176.0W	28KM	4.9	KERMADEC IS				
		H M S				DIR DIS LG A/T AZ TZ AN TN AE TE							
RAO	P	Z	16	10	51		7						
	S	Z		11	13								
SUV	EP	Z	16	12	35		10						
AFI	EP	Z	16	13	12		14						
	ES	ZNE	15	34									
	ET	ZNE	26	02									
SBA	P	ZNE	16	19	16		51						
APR 04		H M S				EPICENTRE	DEPTH	MAG					
		16 32 41.9				26.9S 176.0W	12KM	5.2	S OF TONGA				
		H M S				DIR DIS LG A/T AZ TZ AN TN AE TE							
RAO	P	Z	16	33	29		7						
	S	Z		34	02								
SUV	EP	Z	16	35	11		10						
AFI	EP	Z	16	35	48		14	-0.29					
	ES	NE	38	10									
	ET	ZNE	48	07									
SBA	P	ZNE	16	41	52		52						
APR 04		H M S				EPICENTRE	DEPTH	MAG					
		18 33 08.9											
		H M S				DIR DIS LG A/T AZ TZ AN TN AE TE							
AFI	IP	Z	18	33	08.9								
	IS	NE		29									
APR 04		H M S				EPICENTRE	DEPTH	MAG					
		23 39 38.3				16.6S 178.6W	540KM	3.8	FIJI				
		H M S				DIR DIS LG A/T AZ TZ AN TN AE TE							
AFI	EP	Z	23	41	28		7						
	ES	NE	43	02									
APR 05		H M S				EPICENTRE	DEPTH	MAG					
		01 56 44.1				25.8S 176.3W	33KM		S OF FIJI				
		H M S				DIR DIS LG A/T AZ TZ AN TN AE TE							
AFI	EP	Z	01	59	43		13						
	ES	NE	02	02	03								
	ET	ZNE	12	19									
APR 05		H M S				EPICENTRE	DEPTH	MAG					
		03 12 54.2				37.7N 21.8E	34KM	5.7	S GREECE				
		H M S				DIR DIS LG A/T AZ TZ AN TN AE TE							
SBA	EPKP	Z	03	32	25		137						
AFI	EPKP	Z	03	32	55		153						
	EL	ZN	04	24	50								
	EL	ZN		28	52								

		Z	H	M	S	EPICENTRE	DEPTH	MAG					
		H M S				DIR DIS LG A/T AZ TZ AN TN AE TE							
APR 05	06 21 34.2	3.2S	148.4E	10KM	5.0	BISMARCK SEA							
		H M S				DIR DIS LG A/T AZ TZ AN TN AE TE							
AFI	ES	NE	06	35	36		41						
	ESS	NE		37	36								
	ESSS	NE		38	40								
	EL	Z		40	36								
APR 05		H M S				EPICENTRE	DEPTH	MAG					
		13 52 13.4				44.6N 151.1E	81KM	5.7	KUPILE IS				
		H M S				DIR DIS LG A/T AZ TZ AN TN AE TE							
AFI	EP	Z	14	03	02		67						
	ES	N		12	28								
	EL	NE		19	58								
	EL	ZN		22	30								
SBA	EPKP	Z	14	11	21		123						
APR 05		H M S				EPICENTRE	DEPTH	MAG					
		14 33 39.0				26.7S 176.3W	45KM	4.6	S OF FIJI				
		H M S				DIR DIS LG A/T AZ TZ AN TN AE TE							
RAO	P	Z	14	34	21		7						
	ES	Z			57								
AFI	EP	Z	14	36	38		13						
	ES	NE		39	00								
	ET	ZNE		49	02								
SBA	EP	Z	14	42	45		52						
	E	ZNE			50								
APR 05	SUV	EP	Z	14	51	00							
APR 05	AFI	EP	Z	18	12	04							
	ES	NE		14	25								
	EL	ZNE		24	40								
APR 05	AFI	IP	Z	19	35	25.70							
	ES	ZNE			50								
APR 05		H M S				EPICENTRE	DEPTH	MAG					
		22 42 47.2				20.2S 173.9W	102KM	4.6	TONGA				
		H M S				DIR DIS LG A/T AZ TZ AN TN AE TE							
AFI	EP	Z	22	44	10		7						
	ES	ZNE		45	20								
	ET	ZNE		50	35								
RAO	EP	Z	22	44	48		13						
SBA	EP	Z	22	52	35		58						
APR 05	AFI	EP	Z	00	54	20							
	ES	ZNE			42								
APR 06		H M S				EPICENTRE	DEPTH	MAG					
		04 19 16.3				27.2S 176.4W	47KM	4.9	KERMADEC IS				
		H M S				DIR DIS LG A/T AZ TZ AN TN AE TE							
RAO	IP	Z	04	19	55.4		6						
	S	Z			20	30							
AFI	EP	Z	04	22	22		14						
	ES	NE		24	46								
	ET	ZNE		35	05								
APR 06		H M S				EPICENTRE	DEPTH	MAG					
		09 42 28.2				0.5S 119.9E	33KM	5.3	N CELEBES				
		H M S				DIR DIS LG A/T AZ TZ AN TN AE TE							
AFI	EP	Z	09	53	53		69	-0.60					
	ES	ZNE	10	02	40								
	ESS	N		07	10								
	ESSS	N		09	24								
	ELQ	E		11	52								

ELR		Z	14 20	
H M S	EPICENTRE		DEPTH	MAG
APR 06 12 02 16.8	21.0S	178.7W	554KM	4.7 FIJI
	H M S	DIR DIS LG	A/T	AZ TZ AN TN AE TE
AFI EP	Z	12 04 32	10	
ES	ZNE	06 17		
APR 06 17 26 46.7	27.1S	176.3W	38KM	4.3 KERMADEC IS
	H M S	DIR DIS LG	A/T	AZ TZ AN TN AE TE
RAO IP	Z	17 27 27.2U	7	
AFI EP	Z	17 29 51	14	
ES	NE	32 10		
ET	ZNE	42 40		
APR 06 AFI EP	Z	19 12 53		
ES	NE	14 54		
ET	ZNE	25 50		
APR 07 00 43 46.8	24.7S	179.4W	449KM	4.0 S OF FIJI
	H M S	DIR DIS LG	A/T	AZ TZ AN TN AE TE
SUV EP	Z	00 45 32	7	
AFI EP	Z	00 46 36	13	
ES	NE	48 52		
APR 07 AFI EP	Z	01 34 49		
ES	NE	35 31		
APR 07 AFI EP	Z	03 33 30		
ES	ZNE	34 18		
APR 07 08 12 28.0	16.7S	178.2W	407KM	4.4 FIJI
	H M S	DIR DIS LG	A/T	AZ TZ AN TN AE TE
AFI EP	Z	08 14 11	7	
ES	NE	15 33		
APR 07 AFI EP	Z	15 06 02		
ES	NE	07 00		
APR 07 17 48 59.7	21.0S	178.8W	568KM	5.5 FIJI
	H M S	DIR DIS LG	A/T	AZ TZ AN TN AE TE
SUV IP	Z	17 50 26	U	4
AFI IP	Z	17 51 15.6D	10	-0.57
IS	ZNE	53 01		
APR 08 AFI EP	Z	00 46 33		
ES	NE	52		
APR 08 AFI E	NE	05 04 20		
EL	ZN	06 18		
APR 08 12 51 27.8	17.6S	178.7W	575KM	5.2 FIJI
	H M S	DIR DIS LG	A/T	AZ TZ AN TN AE TE
SUV IP	Z	12 52 44	3	
AFI IP	Z	12 53 20.2	8	0.52
ES	NE	54 50		
SBA EP	ZNE	13 00 46	61	
APR 08 AFI EP	Z	13 01 38		-0.59
APR 08 AFI EP	Z	13 56 06		
ES	NE	59 04		

H M S	EPICENTRE		DEPTH	MAG
APR 08 13 43 52.8	52.2N	173.5E	46KM	5.4 ALEUTIAN IS
	H M S	DIR DIS LG	A/T	AZ TZ AN TN AE TE
AFI ES	ZN	14 03 50	67	
EL	ZN	14 08		
SBA EPKP	Z	14 03 05	130	
APR 08 14 48 21.8	5.8S	154.6E	125KM	5.5 SOLOMON IS
	H M S	DIR DIS LG	A/T	AZ TZ AN TN AE TE
SBA EP	ZNE	14 59 35	72	
APR 08 AFI IP	Z	18 52 40	U	
IS	N	59		
APR 09 AFI EP	Z	05 39 36		
ES	NE	40 09		
ET	ZNE	42 05		
APR 09 10 45 29.4	32.6S	178.3W	52KM	5.1 S OF KERMADEC IS
	H M S	DIR DIS LG	A/T	AZ TZ AN TN AE TE
RAO P	Z	10 46 13	5	
SUV EP	Z	10 48 54	15	
AFI EP	Z	10 49 48	20	
ES	ZNE	53 11		
E	N	35		
EL	ZE	38		
EL	N	55 18		
ET	ZNE	11 07 51		
SBA EP	Z	10 53 53	46	
ES	Z	11 04 42		
ELR	Z	07 49		4 18
APR 09 22 52 24.3	4.2S	113.4W	3KM	3.5 W NEW GUINEA
	H M S	DIR DIS LG	A/T	AZ TZ AN TN AE TE
AFI EP	Z	23 01 50	58	
ES	N	09 40		
ESS	E	12 16		
ESSS	N	15 16		
ELQ	E	16 46		
ELR	ZE	19 05		
SBA EP	ZNE	23 04 24	84	
ELR	ZNE	31 30		
APR 09 23 47 12.5	4.0S	134.2E	33KM	5.2 W NEW GUINEA
	H M S	DIR DIS LG	A/T	AZ TZ AN TN AE TE
AFI ELQ	N	24 11 12	54	
ELR	ZE	14 20		
APR 10 AFI EP	Z	00 16 53		
E	N	17 10		
APR 10 AFI EL	N	01 16 20		
EL	Z	18 30		
APR 10 04 39 55.3	20.3S	174.3W	33KM	4.4 TONGA
	H M S	DIR DIS LG	A/T	AZ TZ AN TN AE TE
AFI EP	Z	04 41 33	7	
ES	N	42 47		
ET	ZN	48 35		

	H	M	S	EPICENTRE	DEPTH	MAG											
APR 10	14	46	50.7	20.2S 173.7W	33KM	5.7	TONGA										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE			
	AFI	EP	Z	14 48 21			7										
		ES	ZN	49 30													
		ELR	ZNE	50 10													
		ET	ZN	53 20													
	SUV	IP	Z	14 48 48			8										
	SBA	IP	ZNE	14 56 46.7D			58	-1.10									
APR 10	AFI	IP	Z	15 41 10			D										
		ES	N	57													
APR 10	16	54	55.8	53.1N 170.9E	8KM	5.8	ALEUTIAN IS										
	AFI	EL	ZN	17 25 52			68										
APR 10	19	43	23.2	15.8S 172.0W	43KM	5.3	SAMOA										
	AFI	IP	Z	19 43 54.4D			2										
		ES	ZNE	44 17													
	SBA	EP	ZN	19 53 45			63										
APR 10	22	32	46.6	17.8S 178.8W	543KM	5.9	FIJI										
	SUV	IP	Z	22 34 00			3										
	AFI	EP	Z	22 34 38			8	0.07									
		ES	ZNE	36 06													
	RAO	P	Z	22 35 19			14										
		S	Z	22 42 06													
	SBA	P	ZNE	22 42 06			61	-0.38									
		*PP	ZN	43 55													
		*SP	Z	44 52													
		(SCP)	Z	45 57													
		S	NE	49 47													
		SCS	NE	51 06													
		E(SS)	ZN	53 20													
		ESSS	ZNE	57 06													
		EPKPPK	Z	23 11 27													
APR 10	22	53	04.8	13.4S 170.3E	644KM	6.2	NEW HEBRIDES										
	SUV	IP	Z	22 55 15			9										
	AFI	IP	Z	22 56 34.2D			17										
		ES	ZNE	59 23													
	SBA	P	ZNE	23 02 42			64	-0.45									
		*PP	Z	04 46													
		S	N	10 38													
APR 10	23	57	03.2	35.1N 24.3E	51KM	6.0	CRETE										
	SBA	EPKP	Z	24 16 17			134										
		ESKP	ZNE	19 39													
		E	Z	27 50													
		ELR	ZNE	25 05 18										5	20		
APR 11	00	11	08.8	42.7S 173.9E	7KM	6.2	SOUTH ISLAND										
	SUV	EP	Z	00 16 29			25										
	AFI	EP	Z	00 17 28			31	-0.17									

	ES	ZN	22 34														
	E	E	23 26														
	EL	ZNE	25 00														
	ET	ZN	49 50														
	SBA	EP	ZNE	00 18 07			35	-1.04									5.8
		E	ZNE	16													
	ES	ZN	23 54														
	ELQ	NE	26 30											5	19	5	19
	ELR	ZNE	27 50														
	H	M	S	EPICENTRE	DEPTH	MAG											
APR 11	02	10	42.0	30.6S 178.1W	68KM	4.6	KERMADEC IS										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG		
	RAO	IP	Z	02 11 03.1U			5										
	SUV	EP	Z	02 13 45			13										
	AFI	EP	Z	02 14 43			18										
		ES	ZN	17 44													
		ET	ZN	32 07													
	SBA	EP	ZNE	02 19 15			48	-1.83									5.2
APR 11	SUV	IP	Z	02 49 29													
		IS	Z	49													
	H	M	S	EPICENTRE	DEPTH	MAG											
APR 11	04	59	39.3	19.6N 109.2W	33KM	5.0	REVILLA GIGEDO IS										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG		
	AFI	EL	ZE	05 31 18			70										
APR 11	AFI	EP	Z	07 00 29													
		ES	ZN	01 35													
		EL	ZN	07 11													
APR 11	AFI	EP	Z	08 46 21													
		ES	ZN	47 44													
APR 11	AFI	EP	Z	10 45 24													
		IS	N	46 09													
		ET	ZN	49 02													
APR 11	AFI	EP	Z	13 01 12													
		ES	N	02 31													
	H	M	S	EPICENTRE	DEPTH	MAG											
APR 11	13	25	46.0	22.0S 175.3W	33KM	4.7	TONGA										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG		
	SUV	EP	Z	13 27 42			7										
	AFI	EP	Z	13 27 50			9										
		ES	ZN	29 20													
		ET	ZN	36 07													
	SBA	EP	Z	13 35 31			57										
APR 11	AFI	EP	Z	14 31 58													
	H	M	S	EPICENTRE	DEPTH	MAG											
APR 11	16	53	53.9	11.5S 166.1E	75KM	5.4	SANTA CRUZ										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG		
	AFI	EP	Z	16 58 39			22										
	SBA	EP	Z	17 04 35			66										
	H	M	S	EPICENTRE	DEPTH	MAG											
APR 11	17	01	32.6	30.8S 177.9W	40KM	4.7	KERMADEC IS										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG		
	RAO	IP	Z	17 01 55.8U			5										
	SBA	EP	Z	17 10 12			48	-1.71									5.2

	H	M	S	EPICENTRE	DEPTH	MAG												
APR 17	15	51	55.7	14.5S 173.1W	33KM	4.6	SAMOA											
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE				
	AFI	IP	Z	15 52 19.1D		1												
			S	ZNE		40												
APR 17	AFI	IP	Z	17 25 58.2U														
APR 17	AFI	EP	Z	19 30 50														
		ES	NE	32 00														
		ET	ZNE	37 30														
APR 18	AFI	EP	Z	01 10 49														
		ES	NE	12 06														
		ET	ZNE	18 20														
APR 18	02	34	28.7	24.1S 179.7E	466KM	4.5	S OF FIJI											
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE				
	AFI	EP	Z	02 37 19		13												
		ES	NE	39 39														
APR 18	AFI	EP	Z	03 19 05														
		ES	NE	36														
		ET	ZNE	22 06														
APR 18	AFI	EP	Z	03 59 15														
		ES	NE	04 00 54														
APR 18	08	06	34.5	4.7S 151.7E	142KM	5.2	NEW BRITAIN											
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE				
	SBA	P	Z	08 17 59		74												
		*PP	Z	18 32														
APR 18	09	39	18.7	59.8S 26.8W	29KM	5.9	S SANDWICH IS											
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE				
	SBA	P	ZNE	09 47 13		42	-0.38											
		EPP	ZNE	48 57														
		ES	ZNE	53 39														
		ESS	ZNE	56 18							5	19				12	26	
		ELR	ZNE	59 42												12	18	
																11	19	
																	5	17
APR 18	12	41	54.9	59.7S 26.4W	25KM	5.8	S SANDWICH IS											
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE				
	SBA	IP	ZNE	12 49 49.5V		42	-0.07											
		EPP	ZN	51 27														
		ES	N	56 25														
		ESS	ZNE	59 07														
		EL	ZNE	13 01 41														
APR 18	14	08	01.4	26.9S 176.1W	33KM	5.2	S OF FIJI											
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE				
	RAO	EP	Z	14 08 44		7												
		ES	Z	09 18														
	SUV	EP	Z	14 10 47		10												
	AFI	EP	Z	14 11 06		14												
		ES	ZNE	13 20														
		ET	ZNE	23 04														
	SBA	EP	ZNE	14 17 09		52	-0.60											
APR 18	AFI	EP	Z	16 54 38														
		ES	ZNE	55 04														

	H	M	S	EPICENTRE	DEPTH	MAG											
APR 18	19	27	05.2	59.8S 26.5W	33KM	5.3	S SANDWICH IS										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE			
	SBA	EP	ZNE	19 34 58		42											
APR 19	02	30	18.6	22.0S 175.0W	33KM	4.9	TONGA										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE			
	AFI	EP	Z	02 32 23		9											
		ES	ZNE	33 00													
	SBA	EP	Z	02 40 06		57											
APR 19	AFI	EP	Z	03 23 50													
		ES	ZNE	24 06													
APR 19	04	39	55	30.8S 178.1W	33KM	4.7	KERMADEC IS										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE			
	RAO	IP	Z	04 40 18.8U		5											
		ES	Z	04 48 35		48											
APR 19	08	06	00	1.8N 98.5E	55KM	5.5	N SUMATRA										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE			
	SBA	IP	ZNE	08 18 42.7D		87	-1.45										
APR 19	17	01	10.5	13.5S 170.3E	647KM	4.9	NEW HEBRIDES										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE			
	AFI	EP	Z	17 04 42		17	-0.81										
	SBA	P	ZN	17 10 47		64	-1.95										
APR 19	18	18	59.9	17.5S 179.0W	502KM	4.1	FIJI										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE			
	AFI	EP	Z	18 20 55		8											
		ES	NE	22 26													
APR 20	02	51	58.7	17.6S 168.0E	26KM		NEW HEBRIDES IS										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE			
	SBA	EP	Z	03 02 07		60											
APR 20	06	43	08.8	52.4N 172.0E	35KM	5.5	ALEUTIAN IS										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE			
	SBA	EPKP	ZNE	07 02 19		130											
APR 20	06	50	17.6	54.6N 161.4E	33KM	5.3	KAMCHATKA										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE			
	SBA	EPKP	ZN	07 09 28		132											
		E	ZNE	10 04													
APR 20	11	22	44	4.1S 104.3E	33KM	4.7	S SUMATRA										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE			
	SBA	P	ZNE	11 34 53		80	-1.47										
APR 20	AFI	IP	Z	15 36 28.8D			-0.55										
		ES	NE	38 05													
APR 20	17	15	19.4	14.8N 146.9E	60KM	5.8	MARIANA IS										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE			
	SBA	EP	Z	17 28 30		93	-1.56										

DATE	H M S	EPICENTRE	DEPTH	MAG	STATIONS								
					DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE
APR 21	05 58 19.3	20.4S 174.7W	33KM	4.5	TONGA								
		H M S											
		Z 06 00 01		7									
		AFI EP											
		ES											
		ET											
		ZNE 07 06											
APR 21	08 24 13.1	20.9S 174.6W	33KM	4.8	TONGA								
		H M S											
		ZNE 08 26 03		7									
		AFI EP											
		ES											
		ET											
		ZNE 27 17											
		SUV EP											
		Z 08 26 07		7									
APR 21	10 30 39.5	20.4S 174.6W	33KM	4.6	TONGA								
		H M S											
		Z 10 32 19		7									
		AFI EP											
		ES											
		ET											
		ZNE 33 32											
		SUV EP											
		Z 10 32 32		7									
APR 21													
		Z 17 09 17											
		AFI EP											
		ES											
		NE		46									
APR 22	01 05 50.2	14.3S 167.3E	204KM	5.3	NEW HEBRIDES								
		H M S											
		Z 01 10 14		20 -0.30									
		AFI EP											
		SBA EP											
		E+PP											
		Z 01 16 00		64 -1.52									
		Z		48									
APR 22													
		Z 03 42 44											
		AFI EP											
		ES											
		ET											
		ZNE 43 16											
		ZNE 45 02											
APR 22	14 52 04.9	14.6S 167.3E	167KM	4.5	NEW HEBRIDES IS								
		H M S											
		ZNE 15 02 17.0U		63 -1.56									
		SBA IP											
APR 22													
		Z 18 20 07											
		AFI EP											
		ES											
		E		21 11									
APR 22	18 36 01.2	51.8N 176.1E	37KM	5.1	ALEUTIAN IS								
		H M S											
		Z 19 06 00		66									
		AFI EL											
		SBA EPKP											
		Z 18 55 28		130									
APR 22													
		Z 20 57 11											
		AFI EP											
		E											
		ET											
		ZE 21 03 49											
APR 23	RAO E(P)												
		Z 07 49 36											
APR 23													
		Z 15 12 25		-0.87									
		AFI EP											
APR 23													
		Z 22 27 08											
		AFI EP											
		ES											
		ZE 43											
APR 23													
		Z 22 44 24.6U											
		AFI IP											
		ES											
		ZE 45											
APR 23													
		ZE 23 17 48 D											

DATE	H M S	EPICENTRE	DEPTH	MAG	STATIONS								
					DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE
APR 24	00 04 32.6	32.8S 178.4W	33KM	4.7	S OF KERMADEC IS								
		H M S											
		Z 00 05 11		5									
		RAO EP											
		ES											
		Z 00 08 53		20									
		AFI EP											
		ES											
		ZNE 12 09											
		EL											
		ZNE 42											
		ET											
		ZNE 27 54											
		SBA EP											
		ZNE 00 13 02		46									
		ES											
		E		19 52									
		ELQ											
		E		25 10									
		ELR											
		Z		27 21									
APR 24													
		Z 02 38 00											
		RAO EP											
		ES											
		Z		35									
		AFI EP											
		Z		02 41 38									
		ES											
		E		44 48									
		EL											
		E		45 08									
APR 24													
		Z 03 18 43		88									
		SBA EP											
APR 24	13 43 44.5	20.4S 173.8W	33KM	4.7	TONGA								
		H M S											
		Z 13 45 18		7									
		AFI EP											
		ES											
		ET											
		ZNE 46 28											
		SBA EP											
		Z 13 53 39		58									
APR 24													
		Z 14 37 57		58 -1.56									
		SBA EP											
APR 24	14 28 02.9	19.4S 168.7E	37KM	4.8	NEW HEBRIDES IS								
		H M S											
		ZNE 14 37 57		58 -1.56									
		SBA EP											
APR 24	21 55 26.5	11.4N 140.1E	59KM	5.7	W CAROLINE IS								
		H M S											
		Z 22 12 30		54									
		AFI ES											
		ESS											
		ESSS											
		E		17 54									
		EL											
		Z		20 00									
APR 25	00 25 14.8	32.5S 177.9W	33KM	4.8	S OF KERMADEC IS								
		H M S											
		Z 00 26 00		4									
		RAO EP											
		AFI EP											

DATE	H M S	EPICENTRE	DEPTH	MAG	LOCATION													
					DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG			
APR 25	02 45 39.1	32.6S 178.0W	33KM	4.9	S													
	AFI EP	Z 02 50 02																
	ES	E 53 44																
APR 25	AFI EP	Z 06 58 36																
	ES	E 59 12																
	ET	ZE 07 01 54																
APR 25	AFI EP	Z 19 46 04																
	ES	ZE 26																
APR 25	AFI EP	Z 20 20 37																
	ES	ZE 21 10																
APR 25	21 45 54.1	56.1S 27.3W	33KM		S													
	SBA P	ZNE 21 54 16																
APR 26	AFI EP	Z 00 03 25																
	ES	ZE 04 19																
APR 26	01 57 14.4	58.9N 142.7W	33KM	5.3	GULF OF ALASKA													
	AFI EL	ZE 02 32 00																
APR 26	AFI EP	Z 02 31 41																
APR 26	AFI IP	Z 05 57 14.5U																
	ES	ZE 35																
APR 26	09 47 25.1	1.7S 126.6E	15KM	5.7	MOLUCCA SEA													
	AFI EP	Z 09 57 48																
	ES	E 10 06 30																
	ESSS	E 10 16																
	EL	E 13 06																
	ELQ	ZE 17 30																
	SBA EP	ZNE 09 59 31																
	ELQ	NE 10 22 19																
	ELR	Z 25 46																
APR 26	AFI EP	Z 13 08 04																
	ES	ZE 10 10																
APR 26	13 32 54.4	19.7S 174.1W	33KM	4.9	TONGA													
	AFI EP	Z 13 34 23																
	ES	ZE 35 30																
	ET	ZE 40 35																
	SUV EP	Z 13 34 51																
	SBA EP	ZNE 13 42 51																
APR 26	14 28 55.2	33.9S 56.1E	33KM	5.4	ATLANTIC-INDIAN OCEAN													
	SBA EP	ZNE 14 39 11																

DATE	H M S	EPICENTRE	DEPTH	MAG	LOCATION													
					DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG			
APR 26	19 23 45	1.5S 126.6E	115KM	5.0	MOLUCCA SEA													
	SBA EP	ZNE 19 35 40																
APR 26	20 29 07.4	54.5N 162.6W	53KM	5.9	ALASKA PENINSULA													
	AFI ESSS	E 20 56 42																
	EL	Z 21 00 10																
	SBA EPKP	ZNE 20 48 19																
	ESKP	ZNE 51 41																
APR 26	22 15 42.5	21.1N 120.7E	33KM	5.9	TAIWAN													
	AFI EP	Z 22 27 23																
	EL	ZE 49 18																
	SBA EP	ZNE 22 29 32																
	EPP	ZNE 33 39																
APR 26	22 27 10.6	30.9S 177.4W	33KM	5.9	KERMADEC IS													
	RAO EP	Z 22 27 35																
	AFI EP	Z 22 31 16																
	ES	ZE 34 19																
	ET	ZE 48 51																
	SBA EP	ZNE 22 35 46																
	ELQ	NE 48 54																
	ELR	Z 50 42																
APR 27	AFI EP	Z 01 17 42																
	ES	ZE 19 12																
APR 27	AFI IP	Z 06 54 38.4U																
	ES	ZE 55 00																
APR 27	AFI IP	Z 10 26 45.1D																
	ES	ZE 27 25																
APR 27	10 54 28.0	1.0S 129.5E	67KM	5.9	BANDA SEA													
	AFI EP	Z 11 04 16																
	ES	E 12 00																
	ELQ	ZE 19 30																
	ELR	ZE 22 24																
	SBA IP	ZNE 11 05 53.8U																
APR 27	14 09 07.1	35.7N 23.5E	50KM	5.5	CRETE													
	SBA EPKP	ZNE 14 28 23																
	E(PP)	Z 30 54																
	AFI EPKP	Z 14 29 12																
APR 27	14 47 34.9	24.1S 179.5W	405KM	4.3	S OF FIJI													
	SUV EP	Z 14 49 23																
	AFI EP	Z 14 50 23																
	ES	ZE 52 30																
	SBA EP	ZNE 14 56 21																

H M S	EPICENTRE	DEPTH	MAG	
APR 27 15 06 42.6	35.8S 103.2W	33KM	4.7	S PACIFIC OCEAN
SBA EP	ZNE 15 16 17		55	-1.65
H M S	EPICENTRE	DEPTH	MAG	
APR 27 20 09 18.4	1.5N 85.2W	33KM	5.5	ECUADOR
AFI ES	E 20 32 57		87	
EL	ZE 49 00			
H M S	EPICENTRE	DEPTH	MAG	
APR 28 01 25 42.3	52.0N 176.1W	47KM	5.0	ALEUTIAN IS
SBA EPKP	Z 01 44 47		130	
E(SKP)	ZNE 48 05			
ESKP	Z 30			
APR 28 AFI IP	Z 04 55 39.6U			
IS	ZE 59			
H M S	EPICENTRE	DEPTH	MAG	
APR 28 07 39 34.0	7.2S 176.5W	143KM	4.7	SOLOMON IS
AFI EP	Z 07 46 02		8	
ELR	ZE 55 36			
APR 28 RAO EP	Z 10 26 24			
H M S	EPICENTRE	DEPTH	MAG	
APR 28 10 26 43.6	27.1S 176.5W	33KM	5.4	KERMADEC IS
AFI EP	Z 10 29 51		14	-0.78
ES	ZE 32 15			
EL	ZE 42			
ET	ZE 42 21			
SBA EP	ZNE 10 35 48		51	-1.15
H M S	EPICENTRE	DEPTH	MAG	
APR 28 11 14 03.6	17.0S 174.3W	280KM	3.8	TONGA
AFI IP	Z 11 15 08.7U		4	-0.47
ES	ZE 54			
APR 28 RAO EP	Z 16 42 04			
ES	Z 39			
H M S	EPICENTRE	DEPTH	MAG	
APR 28 16 42 12.0	26.4S 177.3W	33KM	4.7	S OF FIJI
AFI EP	Z 16 45 22		13	
ES	ZE 47 39			
ET	ZE 55 06			
SBA EP	ZNE 16 51 21		52	-1.14
H M S	EPICENTRE	DEPTH	MAG	
APR 28 22 54 46.4	17.1S 173.6W	35KM	4.7	TONGA
AFI IP	Z 22 55 41.8D		4	
IS	ZE 56 16			
SUV IP	Z 22 56 50		8	
SBA EP	ZNE 23 04 55		62	

H M S	EPICENTRE	DEPTH	MAG	
APR 29 07 53 01.4	17.3S 175.1W	33KM	4.5	TONGA
AFI EP	Z 07 54 11		5	
ES	ZE 49			
SBA P	ZN 08 03 29		61	-1.52
H M S	EPICENTRE	DEPTH	MAG	
APR 29 09 44 34.2	22.1S 179.8E	540KM	5.2	S OF FIJI
SUV IP	Z 09 46 03		4	
AFI IP	ZE 09 47 07		11	0.08
ES	ZE 48 08			
SBA P	ZNE 09 53 24		56	-0.66
I	Z 36			
H M S	EPICENTRE	DEPTH	MAG	
APR 29 11 28 19.1	32.5S 179.1W	64KM	5.0	S OF FIJI
RAO IP	Z 11 29 10.9		5	
SUV EP	Z 11 31 41		14	
AFI EP	Z 11 32 42		20	-0.57
EPP	Z 33 31			
ES	ZE 36 11			
ET	ZE 49 09			
SBA IP	ZNE 11 36 39.2D		46	-1.26
PCP	Z 38 13			
H M S	EPICENTRE	DEPTH	MAG	
APR 29 13 44 40.2	20.1S 177.4W	530KM	4.8	FIJI
AFI EP	Z 13 46 39		8	
ES	ZE 48 12			
APR 29 AFI EP	Z 14 42 34			
ES	E 44 23			
H M S	EPICENTRE	DEPTH	MAG	
APR 29 15 28 43.3	47.4N 122.4W	57KM	6.5	WASHINGTON
AFI IP	Z 15 40 21.5D		75	
EPCP	Z 38			
EPP	Z 43 10			
ES	ZE 49 55			
ES	ZE 50 50			
ESS	ZE 54 44			
ESSS	ZE 58 24			
ELQ	ZE 16 00 00			
ELR	ZE 02 46			
SBA EPKP	Z 15 47 40		132	
EPKP	ZNE 51			
E	ZE 48 12			
SKP	ZNE 51 13			
H M S	EPICENTRE	DEPTH	MAG	
APR 29 15 48 57.1	5.6S 110.2E	504KM	6.0	JAVA SEA
SBA EP	ZNE 16 00 02		78	-0.76
APR 29 SUV IP	Z 16 12 08			
APR 29 AFI EP	Z 19 46 55			
ES	ZE 47 29			

	H M S	EPICENTRE	DEPTH	MAG	
APR 29	22 32 04.9	32.6S 177.4W	33KM	4.7	S OF KERMADEC IS
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	RAO EP	Z 22 32 48		4	
	ES	Z 33 26			
	AFI EP	Z 22 36 27		19	
	SBA EP	ZN 22 40 29		46	
APR 30	AFI EP	Z 19 42 04			
	ES	E 43 32			
MAY 01	08 37 25	37.6S 176.7E	171KM		NORTH IS NZ
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	SBA EP	ZNE 08 44 51		41 -1.82	
MAY 01	13 02 44.5	12.3N 143.7E	5KM	5.1	S OF MARIANA IS
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	AFI EP	Z 13 11 52		51	
	ES	E 19 20			
	EL	NE 24 30			
	SBA EP	ZNE 13 15 53		91 -1.52	
MAY 01	AFI EP	Z 13 42 40		-0.52	
	ES	NE 44 06			
MAY 01	SUV P	Z 17 30 22		-0.30	
MAY 01	21 27 54.4	60.4N 146.0W	33KM	5.3	S ALASKA
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	AFI ES	NE 21 49 00		77	
	EL	ZE 22 01 12			
	EL	NE 03 48			
	RAO EPKP	Z 21 47 19		100	
MAY 02	05 47 43.9	19.8S 69.5W	117KM	5.5	N CHILE
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	SBA EP	Z 05 59 31		77	
	E(+PP)	ZNE 56			
MAY 02	RAO EP	Z 06 54 21			
	ES	Z 48			
MAY 02	07 13 42.0	28.9N 128.9E	30KM	5.0	RYUKYU IS
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	AFI ES	E 07 35 00		71	
	EL	E 42 44			
MAY 02	10 52 13.5	20.3S 178.9W	581KM	4.9	FIJI IS
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	SUV IP	Z 10 53 38		3 0.01	
	AFI EP	Z 10 54 25		9	
	ES	ZNE 56 08			
	SBA EP	ZNE 11 01 12		58	
MAY 03	01 09 31.5	32.5S 70.6W	77KM	5.6	CHILE-ARGENTINA BORDER
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	SBA EP	ZNE 01 20 04		65	
MAY 03	SBA EP	ZNE 01 48 51			

	H M S	EPICENTRE	DEPTH	MAG	
MAY 03	03 57 02.1	12.1S 14.8W	33KM	4.9	S ATLANTIC RIDGE
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	SBA EP	Z 04 10 01		90	
MAY 03	10 01 35.2	13.5N 89.3W	23KM	5.1	EL SALVADOR
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	AFI ES	E 10 25 00		86	
	EPS	E 26 38			
	ESS	ZE 30 24			
	EL	E 37 36			
	EL	ZE 41 00			
MAY 03	10 58 39.3	30.7S 177.3W	33KM	4.5	KERMADEC IS
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	RAO EP	Z 10 59 05		5	
	SBA EP	ZN 11 07 16		48	
MAY 03	15 15 25.6	20.3S 177.6W	483KM	4.9	FIJI IS
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	SUV IP	Z 15 16 50		D 4 -0.13	
	AFI EP	Z 15 17 28		8	
	ES	ZNE 19 02			
	SBA EP	ZN 15 24 35		58 -1.81	4.7
MAY 03	16 09 09.0	24.2S 67.8W	114KM	5.6	CHILE-ARGENTINE BORDER
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	SBA EP	ZNE 16 20 30		73 -1.15	5.7
MAY 03	AFI EP	Z 21 31 50			
	ES	NE 32 17			
MAY 04	00 00 14.3	5.6S 102.0E	40KM	5.2	S SUMATRA
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	SBA EP	ZNE 00 12 23		79 -1.71	5.4
MAY 04	02 02 14	1.7S 138.6E	46KM	5.1	W NEW GUINEA
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	SBA EP	ZNE 02 14 09		78	
MAY 04	03 40 43.4	56.2S 27.7W	33KM		S SANDWICH IS
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	SBA EP	ZNE 03 49 04		46 -1.95	4.9
MAY 04	05 17 36.9	0.7N 125.6E	60KM	4.9	MOLUCCA PASSAGE
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	SBA EP	ZNE 05 29 51		82	
MAY 04	08 34 39.8	41.7N 79.4E	6KM	5.7	KIRGIZ-SINKIANG
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	SBA EPKP	ZNE 08 53 53		130	
MAY 04	18 03 57.7	20.1S 173.9W	33KM	5.2	TONGA
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	AFI EP	Z 18 05 28		6	
	ES	ZNE 06 38			

		EL	ZNE	07 20							
		ET	ZNE	12 04							
SBA		EP	ZNE	18 13 53	59						
		H M S	EPICENTRE		DEPTH	MAG					
MAY 05	00 17 06		19.6S	169.3E	142KM	4.6	NEW HEBRIDES IS				
		H M S	DIR DIS LG A/T		AZ TZ	AN TN	AE TE				
	SBA	P	ZNE	00 26 49	58	-1.63					
		H M S	EPICENTRE		DEPTH	MAG					
MAY 05	07 09 29.3		17.0S	176.9W	33KM	4.8	FIJI IS				
		H M S	DIR DIS LG A/T		AZ TZ	AN TN	AE TE				
	SUV	ES	Z	07 11 26	5						
	AFI	EP	N	07 10 53	6						
		ES	ZNE	11 54							
		EL	NE	12 00							
		ET	N	16 24							
	SBA	EP	ZN	07 19 46	61						
		H M S	EPICENTRE		DEPTH	MAG					
MAY 05	09 30 59.9		19.9S	174.1W	33KM		TONGA				
		H M S	DIR DIS LG A/T		AZ TZ	AN TN	AE TE				
	AFI	EP	N	09 32 32	6						
		ES	N	33 35							
		ET	N	38 42							
MAY 05	AFI	EP	NE	18 04 55							
		ES	NE	05 36							
		H M S	EPICENTRE		DEPTH	MAG					
MAY 06	09 52 23.4		15.5S	167.6E	97KM	4.4	NEW HEBRIDES IS				
		H M S	DIR DIS LG A/T		AZ TZ	AN TN	AE TE				
	SBA	EP	ZNE	10 02 38	62	-1.50					
		H M S	EPICENTRE		DEPTH	MAG					
MAY 06	14 24 04.5		6.1S	149.1E	74KM	6.0	NEW BRITAIN				
		H M S	DIR DIS LG A/T		AZ TZ	AN TN	AE TE				
	AFI	EP	Z	14 31 25	39	-0.40					
		ES	NE	40 30							
		EL	E	43 00							
	SBA	EP	ZNE	14 35 24	72	-0.80					
MAY 07	AFI	ES	E	07 07 58							
		H M S	EPICENTRE		DEPTH	MAG					
MAY 07	13 02 24.5		56.0S	27.6W	102KM	5.9	S SANDWICH IS				
		H M S	DIR DIS LG A/T		AZ TZ	AN TN	AE TE				
	SBA	IP	ZNE	13 10 41.2U	46	-1.17					
		H M S	EPICENTRE		DEPTH	MAG					
MAY 07	15 43 23.0		32.5S	178.2W	33KM	4.7	S OF KERMADEC IS				
		H M S	DIR DIS LG A/T		AZ TZ	AN TN	AE TE				
	RAO	EP	Z	15 44 09	4						
		ES	Z	48							
	AFI	ES	ZNE	15 51 24	19						
		EL	E	52 20							
	SBA	EP	ZNE	15 51 48	46						
		E(LQ)	E	16 02 44							
		ELR	ZN	06 31							
		H M S	EPICENTRE		DEPTH	MAG					
MAY 07	16 32 30.6		32.4S	178.3W	33KM	5.1	S OF KERMADEC IS				
		H M S	DIR DIS LG A/T		AZ TZ	AN TN	AE TE				
	RAO	EP	Z	16 32 51	4						
	AFI	EP	Z	16 36 55	19						
		EPP	Z	37 07							
		ES	NE	40 30							

		EL	E	41 36							
SBA		EP	Z	16 40 55	46						
		E	ZNE	41 02							
		ESS	E	50 46							
		ELR	NE	55 14							
		H M S	EPICENTRE		DEPTH	MAG					
MAY 07	16 52 11.9		32.5S	178.2W	33KM	4.6	S OF KERMADEC IS				
		H M S	DIR DIS LG A/T		AZ TZ	AN TN	AE TE				
	RAO	EP	Z	16 52 58	4						
		ES	Z	53 38							
	AFI	ES	NE	17 00 14	19						
		EL	N	01 00							
		EL	ZE	32							
	SBA	EP?	Z	17 00 36	46						
		E	ZNE	44							
		H M S	EPICENTRE		DEPTH	MAG					
MAY 08	11 32 57.1		28.0S	70.8W	35KM	5.4	CENTRAL CHILE				
		H M S	DIR DIS LG A/T		AZ TZ	AN TN	AE TE				
	SBA	EP	ZNE	11 44 02	69	-1.22					
MAY 09	AFI	IP	Z	11 49 41							
		ES	Z	50 00							
		H M S	EPICENTRE		DEPTH	MAG					
MAY 09	13 32 34.1		3.0S	139.6E	37KM		NW NEW GUINEA				
		H M S	DIR DIS LG A/T		AZ TZ	AN TN	AE TE				
	AFI	EP	Z	13 41 21	49	-0.76					
	SBA	EP	ZNE	13 44 21	76	-1.39					
MAY 09	AFI	EP	Z	17 35 46							
		ES	Z	37 00							
MAY 09	AFI	EP	Z	21 11 59							
		ES	Z	12 33							
		ET	Z	15 15							
		H M S	EPICENTRE		DEPTH	MAG					
MAY 09	23 51 22.6		23.4S	179.8W	555KM	5.0	S OF FIJI				
		H M S	DIR DIS LG A/T		AZ TZ	AN TN	AE TE				
	SUV	IP	Z	23 52 50	D	5	-0.47				
	AFI	EP	Z	23 53 58	12						
		ES	Z	56 07							
		H M S	EPICENTRE		DEPTH	MAG					
MAY 10	10 51 22.8		52.7S	22.6E	33KM		S OF AFRICA				
		H M S	DIR DIS LG A/T		AZ TZ	AN TN	AE TE				
	SBA	EP	ZNE	11 00 04	48						
		(*PP)	Z	12							
MAY 10	AFI	EP	Z	22 05 57							
		ES	Z	07 22							
MAY 11	AFI	EP	Z	04 11 27							
		ES	Z	13 01							
MAY 11	AFI	IP	Z	10 10 32.5D							
		S	Z	42							
MAY 11	AFI	EP	Z	15 26 48							
		ES	Z	27 03							
		H M S	EPICENTRE		DEPTH	MAG					
MAY 11	17 37 38.3		61.4N	149.6W	58KM	5.5	S ALASKA				
		H M S	DIR DIS LG A/T		AZ TZ	AN TN	AE TE				
	AFI	EP	Z	17 49 26	77						

	ES	ZN	18 12 54																	
	SBA	EPKP	ZNE	17 56 57	142															
	H	M	S	EPICENTRE		DEPTH	MAG													
MAY 12	06 45	12.2	18.4S	178.0W	534KM	4.0	FIJI													
	AFI	EP	Z	06 47 05	7															
		ES	Z	48 35																
MAY 12	08 05	57.2	3.5S	137.9E	78KM	5.5	W NEW GUINEA													
	SBA	P	ZNE	08 17 37	76	-1.08														
MAY 12	10 33	43.5	6.2S	130.3E	125KM	5.7	BANDA SEA													
	AFI	IP	Z	10 43 21.6U	57	0.25														
		EPCP	Z	44 11																
		EPP	Z	45 27																
		ES	N	51 04																
		ESCS	N	53 06																
		ESS	N	54 52																
		ESSS	N	57 30																
		EL	ZN	11 00 30																
	SBA	EP	ZNE	10 45 08	74	-0.57														
		ES	NE	54 31																
		ELQ	NE	11 05 32																
		ELR	Z	10 50																
MAY 12	17 12	37.3	26.2S	178.4E	560KM		S OF FIJI													
	SUV	EP	Z	17 14 34	8	-0.26														
		E	Z	15 14																
	AFI	EP	Z	17 15 45	15	-0.25														
		ES	Z	18 19																
	SBA	EP	ZNE	17 20 55	52	-1.73														
MAY 12	19 35	41.6	21.9S	65.9W	283KM	5.1	S BOLIVIA													
	SBA	P	ZNE	19 46 59	76	-1.12														
MAY 12	AFI	IP	Z	20 51 42																
		ES	Z	59																
MAY 13	02 23	23.4	19.3S	63.8W	589KM	5.1	S BOLIVIA													
	SBA	EP	ZNE	02 34 27	79	-1.78														
MAY 13	20 50	55.9	23.3S	175.4W	60KM	5.0	TONGA IS													
	SUV	EP	Z	20 53 01	8	-0.21														
	AFI	ELR	ZNE	20 55 58	10															
		ET	Z	21 03 03																
	SBA	EP	ZNE	21 00 27	55	-1.81														
MAY 13	RAO	EP	Z	22 17 58																
		ES	Z	18 10																
MAY 13	22 46	33.0	36.0S	18.1W	33KM	5.2	S ATLANTIC RIDGE													
	SBA	EP	ZNE	22 57 21	66															

	H	M	S	EPICENTRE		DEPTH	MAG													
MAY 14	01 48	42.4	27.6S	177.1W	77KM	4.5	KERMADEC IS													
	RAO	IP	Z	01 49 12.2D	6															
		ES	Z	35																
	SBA	EP	ZNE	01 57 39	51															
MAY 14	02 27	00.2	19.0S	169.5E	259KM	4.6	NEW HEBRIDES IS													
	SBA	EP	ZNE	02 36 33	59	-1.33														
MAY 14	AFI	IP	Z	03 48 06.5																
		ES	Z	25																
MAY 14	AFI	EP	Z	18 12 30																
		ES	Z	14 05																
MAY 14	23 28	13.7	20.7S	177.7W	467KM	5.3	FIJI IS													
	SUV	IP	Z	23 29 37	0	4	0.46													
		S	Z	30 47																
	AFI	EP	Z	23 30 16	9															
		ES	Z	31 55																
	SBA	EP	NE	23 37 23	58															
MAY 15	16 39	01.5	48.0S	165.6E	15KM		S OF SOUTH IS, NZ													
	AFI	ESSS	N	16 55 46	39															
		EL	Z	57 44																
MAY 15	23 33	12.4	16.1S	174.7W	253KM	4.8	TONGA IS													
	AFI	IP	Z	23 34 10.3U	4	-1.60														
		ES	Z	53																
	SUV	EP	Z	23 34 55	7	-0.51														
MAY 15	AFI	EP	Z	23 39 14																
		ES	Z	40																
MAY 15	23 58	34.4	4.1S	135.1E	33KM	5.8	W OF NEW GUINEA													
	AFI	EP	Z	24 07 54	53															
		ES	N	15 36																
		ESS	Z	19 30																
		ESSS	N	21 00																
		EL	ZN	24 38																
MAY 16	05 56	06	12.7S	166.4E	172KM	4.4	SANTA CRUZ IS													
	SBA	EP	ZNE	06 06 29	65	-0.50														
MAY 16	11 35	46.0	5.3N	125.7E	36KM	6.2	PHILIPPINE IS													
	AFI	ES	N	11 55 20	65															
		ESS	N	59 52																
		EL	Z	12 03 06																
		EL	Z	06 20																
	SBA	EP	ZNE	11 48 24	86															

		Z	04 23 42	10
	AFI EP	N	25 17	
	ET	ZN	30 56	
	SBA EP	ZNE	04 31 04	56 -0.79
MAY 19	H M S	EPICENTRE	DEPTH	MAG
	04 38 29.9	22.3S 176.4W	98KM	5.0 S OF FIJI
		H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE
	SUV P	Z	04 40 00	6 -0.54
	AFI EP	Z	04 40 45	9
	ES	ZN	42 16	
	SBA EP	Z	04 48 00	56
MAY 19	H M S	EPICENTRE	DEPTH	MAG
	06 03 58.9	6.5S 105.4E	74KM	6.3 SUNDA STRAIT
		H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE
	SBA EP	Z	06 15 55	78 -1.65
	E	ZNE	16 08	
MAY 19	H M S	EPICENTRE	DEPTH	MAG
	06 17 12.0	27.6N 110.9W	33KM	5.0 GULF OF CALIFORNIA
		H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE
	AFI ESSS	N	06 46 00	72
	EL	ZNE	49 56	
MAY 19	AFI EP	Z	07 30 56	
	ES	ZN	31 15	
MAY 19	H M S	EPICENTRE	DEPTH	MAG
	10 59 04.1	12.3S 167.1E	233KM	4.2 SANTA CRUZ IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE
	SBA P	ZN	11 09 25	66 -1.52
MAY 19	H M S	EPICENTRE	DEPTH	MAG
	13 59 55.2	4.8S 152.3E	70KM	5.6 NEW BRITAIN
		H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE
	AFI EP	Z	14 06 53	37
	E	N	07 12	
	ESS	N	13 30	
	EL	ZNE	15 20	
	SBA EP	ZNE	14 11 21	73
MAY 19	H M S	EPICENTRE	DEPTH	MAG
	15 59 29.0	16.1S 174.0W	140KM	4.5 TONGA IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE
	AFI IP	ZN	16 00 17.7	3
	IS	ZN	51	
	SUV EP	Z	16 01 14	7 -0.51
	SBA IP	ZNE	16 09 40.7U	63 -1.31
MAY 19	H M S	EPICENTRE	DEPTH	MAG
	23 32 14.0	20.8S 178.5W	552KM	5.4 FIJI IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE
	SUV IP	Z	23 33 32	U 4 -0.01
	ES	Z	34 40	
	AFI IP	ZN	23 34 18.8U	9
	IS	N	36 01	
	RAO EP	Z	23 34 10	12
	ES	Z	35 46	
	SBA P	ZNE	23 41 12	58
	*PP	ZNE	42 54	
	SCP	ZNE	45 10	
	ES	N	48 37	

	H M S	EPICENTRE	DEPTH	MAG
MAY 20	00 40 10.9	14.7S 167.4E	16KM	5.6 NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE MAG
	SUV IP	Z	00 43 02	U 11 1.18
	AFI EP	ZN	00 44 48	20 -0.13
	IS	ZNE	48 44	
	RAO EP	Z	00 44 50	22
	SBA EP	ZNE	00 50 40	63 -0.13
	ES	ZNE	59 18	
	ESS	ZNE	01 03 22	
	ELQ	ZNE	06 40	
	ELR	ZN	10 11	20 19
	EPKPPK	ZNE	19 53	
MAY 20	SUV EP	Z	01 07 34	
MAY 20	H M S	EPICENTRE	DEPTH	MAG
	01 04 51.7	14.4S 167.4E	27KM	5.0 NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE MAG
	SBA EP	ZNE	01 15 20	63
MAY 20	AFI EP	Z	01 09 29	-0.68
MAY 20	H M S	EPICENTRE	DEPTH	MAG
	02 03 33.5	40.8S 175.9E	49KM	5.6 NORTH IS NZ
		H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE MAG
	SBA EP	ZNE	02 10 44	37 -1.14
	PCP	Z	13 00	
MAY 20	H M S	EPICENTRE	DEPTH	MAG
	02 13 36.9	51.2N 173.7E	41KM	5.4 ALEUTIAN IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE MAG
	SBA EPKP	Z	02 32 46	129
MAY 20	H M S	EPICENTRE	DEPTH	MAG
	04 30 20	15.7S 167.4E	115KM	4.2 NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE MAG
	SBA EP	Z	04 40 33	62
MAY 20	H M S	EPICENTRE	DEPTH	MAG
	05 29 43.3	14.5S 167.3E	21KM	4.5 NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE MAG
	SBA EP	ZN	05 40 12	63
	E(*SP)	ZN	24	
MAY 20	AFI EP	Z	05 30 42	
	ES	ZN	31 12	
MAY 20	H M S	EPICENTRE	DEPTH	MAG
	08 44 20	15.1S 167.2E	33KM	3.9 NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE MAG
	SBA EP	Z	08 54 47	63
MAY 20	H M S	EPICENTRE	DEPTH	MAG
	13 37 21.8	3.3S 135.7E	49KM	5.6 W NEW GUINEA
		H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE MAG
	SBA IP	ZNE	13 49 07.5D	76 -1.03
MAY 20	H M S	EPICENTRE	DEPTH	MAG
	14 00 50	2.2N 99.6E	75KM	N SUMATRA
		H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE MAG
	SBA EP	Z	14 13 31	87

	H	M	S	EPICENTRE	DEPTH	MAG									
MAY 20	14	06	55.6	1.8N 99.1E	73KM	4.8	N	SUMATRA							
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
	SBA	EP		ZNE 14 19 38											87 -1.29
MAY 20	20	37	41.4	45.1S 167.6E	105KM	5.5		SOUTH ISLAND NZ							
	SBA	IP		ZNE 20 44 08.7U											33 -0.18
		PCP		Z											46 49
		ELQ		E											51 20
		ELR		Z											53 22
	AFI	ESSS		N	20 53 26										36
		EL		ZN	55 06										
				FELT S OF SOUTH ISLAND											
MAY 20	AFI	EP		Z	20 40 35										
		ES		ZN	41 10										
		ET		ZN	44 34										
MAY 21	SUV	EP		Z	04 29 42										-0.06
MAY 21	09	58	54	14.8S 166.8E	9KM	4.3		NEW HEBRIDES IS							
	SBA	P		ZN	10 09 30										63 -1.39
MAY 21	18	41	08	35.6S 179.6W	33KM			E OF NORTH IS NZ							
	SBA	EP		ZNE 18 49 05											43
MAY 21	AFI	IP		Z	19 10 48										-0.57
MAY 22	03	05	43.6	1.3N 126.3E	25KM	5.5		MOLUCCA PASSAGE							
	AFI	EP		Z	03 16 11										63
		EL		ZE	35 40										
	SBA	IP		ZNE 03 18 03.7U											82 -0.34
MAY 22	SUV	EP		Z	07 43 45										0.04
MAY 22	08	55	17.0	14.5S 167.3E	51KM	4.7		NEW HEBRIDES IS							
	SBA	EP		Z	09 05 41										63
MAY 22	10	31	39.5	21.1S 178.7W	578KM	5.8		FIJI IS							
	SUV	IP		Z	10 33 01										U 4 0.94
	AFI	EP		Z	10 33 49										10
		ES		ZNE	35 26										
	RAO	EP		Z	10 33 35										11
		ES		Z	35 15										
	SBA	IP		ZNE 10 40 36.0U											57 -0.72
		IPCP		Z	41 22.2										
		E*PP		ZNE	42 29										
		SCP		Z	44 30										
		S		N	47 58										
		ESCS		N	49 33										
		E*SS		NE	51 10										
		EPKPPK		Z	11 10 06										
		EPKPPK		ZNE	21										

	H	M	S	EPICENTRE	DEPTH	MAG									
MAY 22	13	19	04.5	14.5S 167.1E	27KM	5.1		NEW HEBRIDES IS							
	SBA	EP		ZNE 13 29 30											63
MAY 22	14	10	45.0	14.7S 167.4E	17KM	4.7		NEW HEBRIDES IS							
	SUV	EP		Z	14 13 33										11
	AFI	EP		Z	14 15 27										20
		ES		ZNE	19 10										
		EL		NE	21 12										
	SBA	EP		ZNE 14 21 14											63 -1.35
MAY 22	AFI	EP		Z	14 30 15										
		ES		ZN	31 57										
MAY 22	15	25	11	14.1S 13.9W	33KM	4.7		S ATLANTIC RIDGE							
	SBA	EP		Z	15 38 00										88
MAY 22	16	09	29.5	14.1S 13.8W	33KM	5.5		S ATLANTIC RIDGE							
	SBA	P		ZNE 16 22 19											88 -0.77
MAY 22	AFI	EP		Z	16 13 05										
		E		Z	35										
		E		ZN	15 46										
MAY 22	19	53	23.8	14.7S 167.5E	24KM	4.6		NEW HEBRIDES IS							
	AFI	ES		NE	20 01 54										20
	SBA	EP		ZNE 20 03 52											63
		E		Z	04 09										
MAY 23	04	13	35	13.9S 166.3E	56KM			NEW HEBRIDES IS							
	SBA	EP		ZN	04 24 04										64
MAY 23	07	46	33.7	14.1S 13.9W	33KM	5.2		S ATLANTIC RIDGE							
	SBA	EP		ZNE 07 59 23											88 -0.57
MAY 23	23	46	12.0	52.2N 175.0E	22KM	6.1		ALEUTIAN IS							
	AFI	EP		Z	23 56 50										67
		ES		ZN	24 05 52										
		ES		E	06 12										
		ESS		ZN	09 23										
		ESSS		ZN	13 32										
		EL		E	14 10										
		EL		ZN	16 33										
	SBA	IPKP		ZNE 24 05 20.5U											130
		SKP		Z	08 40										
		E(PCPPKP)		ZNE	17 49										
		ELR		Z	46 36										

	H	M	S	EPICENTRE	DEPTH	MAG	
MAY 24	05	02	11.8	9.5S 113.0E	67KM	5.0	S OF JAVA
				H M S	DIR	DIS	LG A/T AZ TZ AN TN AE TE
SBA	EP			ZNE 05 13 39		74	
MAY 24	15	03	15.4	14.7S 167.4E	23KM	4.4	NEW HEBRIDES IS
				H M S	DIR	DIS	LG A/T AZ TZ AN TN AE TE
AFI	ES			NE 15 11 48		20	
SBA	EP			ZNE 15 13 43		63	
MAY 24	AFI	IP		Z	20 31 29.8		
		ES		ZN	49		
		ET		ZN	33 14		
MAY 24	AFI	IP		Z	20 53 46		
		ES		ZN	54 06		
		ET		ZN	55 25		
MAY 24	23	21	10.6	13.0N 124.5E	40KM	5.5	PHILIPPINE IS
				H M S	DIR	DIS	LG A/T AZ TZ AN TN AE TE
AFI	EP			Z	23 32 23		69 -0.14
		ES		ZN	41 16		
		ESS		ZN	45 37		
		EL		ZN	49 04		
		EL		ZN	53 00		
SBA	EP			ZNE 23 34 26		94	
		ELR		Z	24 07 30		
MAY 25	13	07	49.7	51.3N 178.7E	40KM	5.5	ALEUTIAN IS
				H M S	DIR	DIS	LG A/T AZ TZ AN TN AE TE
AFI	ES			ZNE 13 27 20		65	
		EL		ZN	37 14		
SBA	EPKP			ZNE 13 27 03		129	
		ESKP		Z	30 13		
MAY 25	13	36	36.7	63.0S 158.6W	33KM		S PACIFIC CORDILLEA
				H M S	DIR	DIS	LG A/T AZ TZ AN TN AE TE
SBA	EP			ZNE 13 40 53		18 -0.23	
		ES		ZNE	44 30		
MAY 25	16	22	52.0	19.3S 69.6W	109KM	4.8	N CHILE
				H M S	DIR	DIS	LG A/T AZ TZ AN TN AE TE
SBA	P			ZNE 16 34 40		78 -1.11	
		E*SP		Z	35 17		
MAY 25	17	23	41.0	35.8S 179.4E	31KM		E OF NORTH IS NZ
				H M S	DIR	DIS	LG A/T AZ TZ AN TN AE TE
SBA	EP			ZNE 17 31 37		43	
		EPCP		Z	33 32		
MAY 25	18	34	28.4	17.0S 175.9E	16KM	5.2	FIJI IS
				H M S	DIR	DIS	LG A/T AZ TZ AN TN AE TE
SUV	P			Z	18 35 08		3 0.70
		S		Z	53		
AFI	EP			Z	18 37 25		12
		ES		ZNE	39 34		
SBA	EP			ZNE 18 44 44		61 -1.18	
		ES		NE	53 08		
		ELQ		NE	19 00 16		

	H	M	S	EPICENTRE	DEPTH	MAG	
MAY 25	20	13	19	17.2S 175.9E	33KM	4.6	FIJI IS
				H M S	DIR	DIS	LG A/T AZ TZ AN TN AE TE MAG
SUV	EP			Z	20 13 58		3 -0.30
		S		Z	14 37		
SBA	EP			ZNE 20 23 31		61 -1.01	6.2
		ELQ		NE	39 19		
		ELR		Z	41 13		
MAY 25	SBA	EP		ZNE 20 34 42			
MAY 25	SUV	P		Z	20 40 11		0.07
MAY 25	AFI	ES		N	20 44 50		
		E		ZNE	48 34		
		EL		ZN	50 38		
MAY 25	SUV	EP		Z	22 00 53		-0.08
MAY 26	04	02	23	16.3S 173.0E	33KM	4.2	FIJI IS
				H M S	DIR	DIS	LG A/T AZ TZ AN TN AE TE MAG
SBA	P			ZNE 04 12 37		62 -1.38	5.8
MAY 26	06	42	53.9	35.7S 180.0E	63KM	5.1	E NEW ZEALAND
				H M S	DIR	DIS	LG A/T AZ TZ AN TN AE TE MAG
AFI	EP			Z	06 47 48		23
		ES		ZN	52 00		
		EL		N	53 32		
SBA	EP			ZNE 06 50 49		43	
		ES		E	57 26		
		ESS		NE	07 00 35		
		EL		Z	05 28		
MAY 26	08	33	26.5	35.7S 179.9E	48KM	4.9	E COAST OF NEW ZEALAND
				H M S	DIR	DIS	LG A/T AZ TZ AN TN AE TE MAG
AFI	EP			ZN 08 38 27		23	
SBA	EP			ZNE 08 41 20		43	
MAY 26	AFI	EP		Z	09 15 03		
		ES		ZN	20		
MAY 26	SBA	EP		ZNE 16 19 31		-1.10	
		EL		ZNE	22 44		
MAY 26	SBA	EP		ZNE 18 55 14		-0.98	1 18 2 22
		EL		ZNE	58 10		
MAY 26	19	44	10.9	56.1S 27.6W	120KM	6.7	S SANDWICH IS
				H M S	DIR	DIS	LG A/T AZ TZ AN TN AE TE MAG
SBA	IP			ZNE 19 52 24.9UN		46	
		PCP		Z	57 37		
		S		E	59 03		
		ELQ		ZE	20 03 15		
		ELR		ZN	06 17		
		EPKPPK		Z	23 22		
MAY 26	22	00	11.2	33.5S 179.8E	102KM	4.6	S OF KERMADEC IS
				H M S	DIR	DIS	LG A/T AZ TZ AN TN AE TE MAG
RAO	EP			Z	22 01 15		5
		ES		Z	02 05		

	SUV EP	Z	22 03 45	15	
	SBA P	ZNE	22 08 19	45	-1.03
	PCP	Z	09 57		
	H M S	EPICENTRE	DEPTH	MAG	
MAY 26	23 19 11.2	28.5S 178.1W	169KM	4.1	KERMADEC IS
	RAO I.P	Z	23 19 36.3	6	
	AFI EP	Z	23 22 38	16	
	ES	ZN	25 14		
	ET	ZN	35 20		
	SBA EP	ZNE	23 27 50	50	-1.23
	E*PP	ZNE	28 27		
	H M S	EPICENTRE	DEPTH	MAG	
MAY 27	01 29 28.1	15.1S 172.9W	33KM		SAMOA
	AFI IP	Z	01 29 48.9U	2	
	ES	ZN	30 12		
	SBA P	ZN	01 39 56	64	-1.52
	H M S	EPICENTRE	DEPTH	MAG	
MAY 27	SBA EP	ZNE	03 01 17		
	ELQ	NE	06 40		
	ELR	Z	07 45		
	H M S	EPICENTRE	DEPTH	MAG	
MAY 27	10 51 25.0	20.7S 169.9E	143KM	4.0	NEW HEBRIDES IS
	SBA EP	Z	11 00 58	57	-1.65
	H M S	EPICENTRE	DEPTH	MAG	
MAY 27	13 05 55.1	25.5S 179.9W	467KM	4.8	S OF FIJI
	AFI EP	Z	13 08 50	14	-0.40
	ES	ZN	11 08		
	SBA EP	ZNE	13 14 28	53	-1.65
	H M S	EPICENTRE	DEPTH	MAG	
MAY 28	00 53 01.4	18.1S 177.9W	571KM		FIJI
	AFI EP	Z	00 54 52	7	-0.69
	ES	ZN	56 18		
	H M S	EPICENTRE	DEPTH	MAG	
MAY 28	05 52 09	27.0S 176.2W	33KM	4.6	KERMADEC IS
	RAO P	Z	05 53 11	7	
	S	Z	55 50		
	AFI EP	Z	05 55 28	14	
	ES	ZN	57 47		
	H M S	EPICENTRE	DEPTH	MAG	
MAY 28	08 34 51.3	15.3S 173.2W	31KM	5.1	TONGA
	AFI IP	ZN	08 35 20.3U	2	
	ES	ZN	36		
	SBA EP	ZNE	08 45 19	63	
	H M S	EPICENTRE	DEPTH	MAG	
MAY 29	01 28 59.0	45.3S 95.9E	66KM	5.5	SE INDIAN RISE
	SBA EP	ZNE	01 36 48	42	-1.36
	ES	NE	43 14		
	ELQ	NE	47 18		
	ELR	ZE	49 18	3 18	4 24 3 18
MAY 29	AFI EL	ZNE	02 07 40		

MAY 29	AFI E	NE	03 01 54		
	EL	ZN	03 40		
	H M S	EPICENTRE	DEPTH	MAG	
MAY 29	03 57 46.8	24.1S 179.7E	529KM	4.5	S OF FIJI IS
	SUV P	Z	03 59 27	6	-0.17
	SBA EP	ZNE	04 06 25	54	-1.31
	H M S	EPICENTRE	DEPTH	MAG	
MAY 29	SUV EP	Z	11 19 03		
	AFI EL	ZN	15 13 06		
	H M S	EPICENTRE	DEPTH	MAG	
MAY 29	15 36 31.9	57.8S 147.3W	33KM	5.5	S PACIFIC CORDILLERA
	SBA EP	ZNE	15 41 57	25	
	ES	ZNE	46 30		
	EL	Z	48 20		9 20
	AFI ES	ZNE	15 52 07	48	
	ESSS	ZNE	55 40		
	EL	Z	57 45		
	H M S	EPICENTRE	DEPTH	MAG	
MAY 29	16 12 14	17.1S 172.6W	33KM	4.5	TONGA IS
	AFI EP	Z	16 12 52	3	
	ES	ZN	13 28		
	ET	ZN	15 52		
	SUV EP	Z	16 14 22	9	
	SBA EP	ZN	16 20 32	62	-1.73
	H M S	EPICENTRE	DEPTH	MAG	
MAY 29	19 14 25.6	1.7S 126.7E	17KM		HOLUCCA SEA
	SBA EP	ZNE	19 26 31	79	
	AFI EP	Z	23 20 12		
	ES	ZN	52		
	H M S	EPICENTRE	DEPTH	MAG	
MAY 30	02 09 03.9	17.0S 167.8E	38KM	4.9	NEW HEBRIDES IS
	AFI ESS	ZN	02 17 48	20	
	EL	ZNE	18 58		
	SBA P	ZNE	02 19 15	61	-1.23
	H M S	EPICENTRE	DEPTH	MAG	
MAY 30	03 52 24.7	0.5S 133.2E	33KM	4.9	W NEW GUINEA
	SBA EP	ZNE	04 04 30	79	
	H M S	EPICENTRE	DEPTH	MAG	
MAY 30	06 35 30.8	14.1S 173.5W	8KM	4.4	SAMOA
	AFI IP	Z	06 36 00.3D	2	
	IS	N	20		
	H M S	EPICENTRE	DEPTH	MAG	
MAY 30	08 28 43.0	20.5S 177.9W	512KM	5.0	FIJI IS
	SUV IP	Z	08 30 05	4	-0.30
	AFI EP	Z	08 30 48	9	-0.66
	ES	ZN	32 26		
	SBA EP	ZN	08 37 48	58	

	H	M	S	EPICENTRE	DEPTH	MAG											
MAY 30	09	29	47.0	15.0S 167.3E	50KM	4.3	NEW HEBRIDES IS										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE			
	SBA	EP		ZN 09 40 09			63										
MAY 30	AFI	IP		Z 10 40 15													
		ES		ZN 35													
MAY 30	AFI	IP		Z 21 51 44.5													
		ES		ZN 52 00													
MAY 31	AFI	E		NE 00 09 52													
		EL		NE 10 40													
MAY 31	03	21	27	23.2S 177.0W	94KM	4.6	S OF FIJI										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE			
	SUV	P		Z 03 23 16			7	-0.41									
	AFI	EP		Z 03 23 56			10										
		ES		N 25 44													
	SBA	EP		Z 03 30 54			55										
		E		Z 31 36													
MAY 31	08	38	07.5	35.7N 139.6E	124KM	5.5	S HONSHU JAPAN										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE			
	AFI	EP		Z 08 48 51			67	-0.83									
	SBA	EPKP		Z 08 56 34			114										
		E*PPKP		Z 57 07													
		E(*SPKP)		ZNE 34													
MAY 31	09	36	06.9	20.2S 175.9W	259KM	4.4	TONGA IS										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE			
	SUV	IP		Z 09 37 30			D	6	0.04								
	AFI	EP		Z 09 37 44			7										
		ES		N 38 55													
	SBA	EP		Z 09 45 37			58										
MAY 31	11	38	28.0	7.5S 128.7E	37KM	6.0	BANDA SEA										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE			
	AFI	IP		Z 11 48 26.1D			59	-0.30									
		E		Z 47													
		ES		ZNE 56 26													
		ESS		ZN 12 00 18													
		EL		ZNE 03 28													
		EL		N 05 06													
	SBA	P		Z 11 49 55			73	-1.71									
		I		ZNE 57.0D													
		ES		ZNE 59 19													
		ESS		ZN 12 04 12													
		ELW		N 10 32													
		ELR		ZNE 13 03					3 19	2 1R	3 2I						
MAY 31	RAO	IP		Z 16 42 49.2													
MAY 31	AFI	E		N 16 51 24													
		E		N 58 00													
		EL		ZNE 17 13 36													
MAY 31	RAO	P		Z 17 05 21													
MAY 31	AFI	IP		Z 18 35 21.1													
		IS		N 38.4													

	H	M	S	EPICENTRE	DEPTH	MAG											
JUN 01	00	32	57.6	9.1S 150.3E	38KM	5.3	E NEW GUINEA										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE			
	SBA	EP		ZNE 00 44 03			69										
JUN 01	01	51	00.0	15.0S 167.4E	136KM	4.5	NEW HEBRIDES IS										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE			
	SBA	EP		ZNE 02 01 14			63	-1.58									5.5
JUN 01	AFI	EP		N 06 05 33													
		ES		N 47													
JUN 01	09	29	07.0	14.8S 167.8E	19KM	4.5	NEW HEBRIDES IS										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE			
	SBA	EP		ZNE 09 39 36			63										
JUN 01	12	03	15.2	18.0S 178.4W	609KM	4.1	FIJI										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE			
	SUV	P		Z 12 04 35			3	-0.61									
	AFI	EP		N 12 05 10			8										
		ES		N 06 40													
JUN 01	13	05	14.4	5.7S 152.0E	51KM	4.9	NEW BRITAIN										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE			
	SBA	EP		Z 13 16 39			73										
JUN 01	16	29	00.0	19.9S 174.1W	59KM	4.8	TONGA										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE			
	AFI	EP		N 16 30 29			6										
		ES		N 31 29													
		ET		N 36 20													
	SBA	EP		Z 16 38 56			59	-1.93									5.3
		E		Z 39 08													
JUN 01	18	25	07.0	15.6S 173.4W	33KM	4.9	TONGA										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE			
	AFI	EP		N 18 25 40			2	-0.18									
		ES		N 26 12													
		EL		ZNE 33													
		ET		N 27 59													
	SBA	EP		ZNE 18 35 32			63	-1.53									5.6
JUN 01	SUV	IP		Z 19 57 15				0.08									
JUN 01	SUV	IP		Z 22 05 06			U	0.10									
JUN 01	SUV	IP		Z 22 16 31.5U													
JUN 02	02	05	31.4	38.7S 73.4W	18KM	5.1	CENTRAL CHILE										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE			
	SBA	EP		ZNE 02 15 27			58										
JUN 02	03	18	04.5	14.9S 172.8W	33KM	4.9	SAMOA										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE			
	AFI	IP		ZN 03 18 25.1U			1	-0.03									
		ES		N 41													
	SBA	EP		ZN 03 28 33			64	-1.93									5.2

DATE	H	M	S	EPICENTRE		DEPTH	MAG								
				DIR	DIS			LG	A/T	AZ	TZ	AN	TN	AE	TE
JUN 02	05	12	59.2	23.5S	180.0E	538KM	5.6	S OF FIJI							
	SUV	IP	Z	05	14	33	D	6	1.05						
	RAO	IP	Z	05	14	37.0D	9								
	IS	Z	15	55.5D											
	AFI	IP	Z	05	15	37	U	12	-0.78						
	ES	ZN	17	45											
	SBA	IP	ZNE	05	21	41.0	55	-0.87							
		PCP	Z	22	34										
		E*PP	Z	23	28										
		ES	ZNE	28	48										
JUN 02	AFI	EP	Z	07	25	47									
	ES	ZN	26	04											
JUN 02	09	19	13.7	18.0S	179.4W	630KM	4.7	FIJI							
	AFI	EP	Z	09	21	16	8	-0.55							
	SBA	EP	Z	09	28	26	60								
JUN 02	09	19	32.6	18.2S	179.3W	631KM	5.4	FIJI							
	SUV	EP	Z	09	20	52	2	-0.41							
	AFI	EP	Z	09	21	34	8	-0.33							
	SBA	EP	ZNE	09	28	44	60	-1.63							
JUN 02	13	57	51.3	4.6S	105.9W	33KM	5.0	N EASTER IS CORD							
	SBA	EP	ZN	14	10	32	85								
JUN 02	14	45	56.2	18.0S	179.4W	636KM	5.3	FIJI							
	SUV	EP	Z	14	47	13	2	0.08							
	ES	Z	48	27											
	AFI	EP	Z	14	47	57	8	0.09							
	ES	ZN	49	36											
	RAO	EP	Z	14	48	29	14								
	ES	Z	50	36											
	SBA	P	ZNE	14	55	07	60	-1.66							
	I	Z	08	9D											
	E*PP	Z	57	14											
	E*SP	Z	58	23											
	ES	NE	15	02	41										
	*SS	NE	06	37											
	E*SSS	E	09	53											
JUN 02	14	58	33.3	18.1S	179.4W	636KM	5.4	FIJI							
	SUV	EP	Z	14	59	50.5	2	0.04							
	ES	Z	15	01	01										
	AFI	EP	Z	15	00	33	8	-0.02							
	ES	ZN	02	17											
	SBA	P	ZNE	15	07	45	60								
		E*PP	Z	09	48										
	ES	NE	15	16											
JUN 02	17	05	51.2	17.9S	179.3W	636KM	4.4	FIJI							
	SUV	EP	Z	17	07	09.5	2	-0.54							

AFI	EP	Z	17	07	52	8						
	ES	N	09	32								
SBA	EP	ZNE	17	15	03	60	-1.52	4.8				
JUN 02	AFI	EP	Z	17	11	01						
	ES	ZN	16									
JUN 02	AFI	EP	Z	18	54	04	-1.00					
	ES	N	55	24								
JUN 02	23	40	23.5	15.9N	46.6W	33KM	5.8	N ATLANTIC RIDGE				
	SBA	EPKP	Z	23	59	04	116					
	EPP	ZNE	24	00	07							
	ELR	ZNE	46	26								
	AFI	ESS	E	24	18	48	127					
	EL	N	37	48								
	EL	ZE	39	18								
JUN 03	04	45	09.8	8.8S	157.1E	20KM	5.4	SOLOMON IS				
	SUV	EP	Z	04	50	12	23					
	AFI	EL	N	04	58	48	31					
	EL	ZE	05	00	06							
	SBA	P	ZNE	04	56	18	69					
JUN 03	07	43	38.2	52.0N	175.8E	49KM	5.5	ALEUTIAN IS				
	AFI	EL	ZN	08	13	48	67					
	SBA	EPKP	ZNE	08	02	43	130					
JUN 03	14	38	02.0	6.2S	155.0E	104KM	4.5	SOLOMON IS				
	SBA	EP	ZN	14	49	15	72					
JUN 03	AFI	EP	Z	15	02	43						
	ES	ZN	03	00								
JUN 03	RAO	IP	Z	15	19	41.3D						
	S	Z	20	17								
JUN 03	15	58	09.0	42.9S	16.2W	33KM	5.4	S ATLANTIC RIDGE				
	SBA	EP	ZNE	16	08	12	60					
JUN 03	AFI	EP	Z	16	51	17						
	E	ZN	31									
	ES	ZN	51									
JUN 03	SUV	EP	Z	18	54	49	-0.42					
JUN 03	AFI	EP	Z	19	53	06						
	IS	N	28									
JUN 04	08	05	36.4	44.3S	75.8W	33KM	5.4	S CHILE				
	SBA	P	ZNE	08	14	47	52	-1.56	5.5			
JUN 04	AFI	EP	Z	09	13	22						
	ES	ZN	14	00								
JUN 04	AFI	EP	Z	10	23	52						

ES		ZN		24 18	
H	M	S	EPICENTRE	DEPTH	MAG
JUN 04	15	02	17.9	51.1N 178.5E	35KM 5.3 ALEUTIAN IS
	AFI	ES	N 15 22 00	DIR DIS LG A/T	65
		EL	N 31 52		
JUN 04	15	26	54.3	29.9S 178.9W	222KM 5.3 KERMADEC IS
	RAO	IP	Z 15 27 26.5	DIR DIS LG A/T	5
	SUV	EP	Z 15 29 51	12 -0.30	
	AFI	EP	Z 15 30 36	17	
		ES	N 33 41		
		ET	ZN 44 12		
	SBA	IP	ZNE 15 35 18.5V	48 -1.26	
		E*PP	Z 36 06		
		*SP	Z 39		
		ESCP	Z 40 11		
JUN 04	17	24	47.5	20.9S 178.1W	554KM 5.2 FIJI
	AFI	EP	ZN 17 26 56	DIR DIS LG A/T	9 -0.15
		ES	ZN 28 38		
	SBA	EP	Z 17 33 48	57	
JUN 04	AFI	IP	Z 18 30 41	U	-0.96
		ES	N 32 15		
JUN 04	23	47	57.0	19.1S 177.1W	378KM 5.1 FIJI
	SUV	P	Z 23 49 12	DIR DIS LG A/T	4 0.19
	AFI	EP	Z 23 49 44	7	
		ES	N 51 08		
	SBA	EP	ZN 23 57 24	59	
JUN 05	00	16	44.1	15.6S 167.7E	125KM 5.2 NEW HEBRIDES IS
	SBA	EP	ZNE 00 26 48	DIR DIS LG A/T	62
		E*PP	Z 27 18		
JUN 05	03	49	02.0	1.6S 126.7E	26KM 5.5 MOLUCCA SEA
	AFI	EP	Z 03 59 24	DIR DIS LG A/T	62
	SBA	EP	ZNE 04 01 06	79 -1.43	
JUN 05	SUV	EP	Z 09 43 23.5		
JUN 05	11	13	47.6	15.8S 174.7W	295KM 5.0 TONGA
	AFI	EIP	ZN 11 14 47	DIR DIS LG A/T	3 0.36
		ES	ZN 15 33		
	SBA	EP	ZNE 11 23 45	63	
JUN 05	12	39	17.5	60.1S 18.4W	33KM SW ATLANTIC OCEAN
	SBA	EP	ZNE 12 47 11	42	
JUN 05	SBA	EP	ZNE 12 51 10	-0.99	

H	M	S	EPICENTRE	DEPTH	MAG
JUN 05	13	00	23.1	60.0S 18.6W	33KM SW ATLANTIC OCEAN
	SBA	P	ZNE 13 08 16	DIR DIS LG A/T	42
JUN 05	AFI	EP	Z 13 23 17		
		ES	ZN 45		
JUN 05	14	42	54.0	4.2S 153.1E	49KM 5.1 NEW IRELAND
	SBA	EP	Z 14 54 26	DIR DIS LG A/T	74
JUN 05	SUV	EP	Z 21 53 12		
JUN 06	SUV	EP	Z 03 37 50		
JUN 06	06	10	31.5	23.7S 66.2W	4.7 ARGENTINA
	SBA	EP	ZNE 06 21 57	DIR DIS LG A/T	74
JUN 06	AFI	IP	Z 09 28 30.3U	-0.87	
		ES	ZN 29 47		
JUN 06	SBA	EP	ZNE 13 44 05		
		ELQ	N 50 51		
		ELR	ZE 52 27		
JUN 06	AFI	E	E 13 54 30		
		EL	NE 59 30		
JUN 06	AFI	EP	Z 18 26 47	-0.50	
		ES	ZN 27 17		
JUN 06	21	29	49	25.1S 179.4E	600KM 4.0 S OF FIJI
	SUV	P	Z 21 31 27	DIR DIS LG A/T	7 0.19
	AFI	EP	Z 21 32 34	14	
		ES	ZN 34 56		
JUN 07	06	17	26.5	30.9S 179.8W	325KM 4.4 KERMADEC IS
	RAO	EP	Z 06 18 26	DIR DIS LG A/T	5
		ES	Z 54		
	SUV	EP	Z 06 20 19	13 -0.51	
	AFI	EP	Z 06 21 20	18	
		ES	N 24 29		
JUN 07	13	15	27.0	16.4S 178.8W	33KM 4.4 FIJI
	SUV	EP	Z 13 16 14	DIR DIS LG A/T	3
	AFI	EP	Z 13 17 12	7	
		ES	N 18 42		
	ELR	ZE	19 02		
	SBA	EP	Z 13 25 49	62	
JUN 07	15	12	54.1	17.7S 178.8W	560KM 5.2 FIJI
	SUV	P	Z 15 14 10	DIR DIS LG A/T	3 -0.43
	AFI	IP	Z 15 14 45.3D	8 -0.40	
		ES	N 16 16		

SBA. EP		ZNE 15 22 13	61
JUN 07	AFI EP	Z 16 11 17	
	ES	N 12 06	
JUN 07	RAO E(P)	Z 17 00 16	0.16
	H M S	EPICENTRE	DEPTH MAG
JUN 08	07 45 44	31.8S 180.0E	407KM KERMADEC IS
	H M S	DIR DIS LG A/T AZ TZ	AN TN AE TE MAG
	RAO EP	Z 07 46 47	5
	ES	Z 47 37	
	H M S	EPICENTRE	DEPTH MAG
JUN 08	12 14 12.1	1.5S 126.7E	48KM 4.8 MOLUCCA SEA
	H M S	DIR DIS LG A/T AZ TZ	AN TN AE TE MAG
	SBA EP	ZNE 12 26 14	79 -1.93
	H M S	EPICENTRE	DEPTH MAG
JUN 08	12 29 26.9	1.5S 126.8E	35KM 4.7 MOLUCCA SEA
	H M S	DIR DIS LG A/T AZ TZ	AN TN AE TE MAG
	SBA EP	ZNE 12 41 29	79
	H M S	EPICENTRE	DEPTH MAG
JUN 08	13 39 56.8	23.2N 108.4W	33KM 5.1 GULF OF CALIFORNIA
	H M S	DIR DIS LG A/T AZ TZ	AN TN AE TE MAG
	AFI EL	ZNE 14 12 10	72
JUN 08	AFI EP	Z 14 04 52	
	ES	N 06 26	
JUN 09	AFI EP	Z 00 24 06	
	ES	N 25 22	
	H M S	EPICENTRE	DEPTH MAG
JUN 09	13 26 52.4	52.6N 173.3E	25KM 5.6 ALEUTIAN IS
	H M S	DIR DIS LG A/T AZ TZ	AN TN AE TE MAG
	AFI EL	N 13 57 30	67
	H M S	EPICENTRE	DEPTH MAG
JUN 09	15 54 52.4	31.9S 179.5W	168KM 4.9 KERMADEC IS
	H M S	DIR DIS LG A/T AZ TZ	AN TN AE TE MAG
	RAO P	Z 15 55 41	5
	ES	Z 56 17	
	SUV EP	Z 15 58 01	14 -0.60
	AFI EP	Z 15 59 03	19
	ES	N 16 02 26	
	RAR IP	Z 15 59 26.2	21 -1.43
	SBA P	ZNE 16 04 36	46 -1.58
	H M S	EPICENTRE	DEPTH MAG
JUN 09	16 58 44.8	19.2S 175.6W	238KM 5.4 TONGA
	H M S	DIR DIS LG A/T AZ TZ	AN TN AE TE MAG
	AFI EP	Z 17 00 12	6
	ES	ZN 01 16	
	SUV IP	Z 17 00 14.5U	6 0.02
	RAR IP	Z 17 02 06.2	15 -0.99
	SBA EP	ZNE 17 08 26	59 -1.95
	H M S	EPICENTRE	DEPTH MAG
JUN 09	19 04 55.5	8.6S 127.4E	33KM 5.5 TIMOR
	H M S	DIR DIS LG A/T AZ TZ	AN TN AE TE MAG
	AFI ES	N 19 23 24	60
	ESSS	N 30 06	
	EL	ZNE 34 12	
	SBA EP	ZNE 19 16 19	72
	ELR	ZNE 44 27	

H M S		EPICENTRE	DEPTH	MAG
JUN 09	22 44 16.7	23.9S 176.3W	45KM	4.8 S OF FIJI
	H M S	DIR DIS LG A/T AZ TZ	AN TN	AE TE MAG
	AFI EP	Z 22 46 23	11	
	ES	NE 48 05		
	H M S <td>EPICENTRE <td>DEPTH <td>MAG</td> </td></td>	EPICENTRE <td>DEPTH <td>MAG</td> </td>	DEPTH <td>MAG</td>	MAG
JUN 10	04 35 40.0	18.2S 174.7W	131KM	4.6 TONGA
	H M S	DIR DIS LG A/T AZ TZ	AN TN	AE TE MAG
	AFI EP	Z 04 36 50	5	
	ES	ZNE 37 41		
	SUV EP	Z 04 37 21	7 -0.43	
	RAR EP	Z 04 38 58	14	
JUN 10	SUV P	Z 12 22 38		-0.41
	H M S <td>EPICENTRE <td>DEPTH <td>MAG</td> </td></td>	EPICENTRE <td>DEPTH <td>MAG</td> </td>	DEPTH <td>MAG</td>	MAG
JUN 10	15 16 47.7	1.8N 126.5E	77KM	5.0 MOLUCCA PASSAGE
	H M S	DIR DIS LG A/T AZ TZ	AN TN	AE TE MAG
	AFI EP	Z 15 23 13	63 -0.68	6.4
	SBA EP	ZNE 15 29 06	82	
JUN 10	AFI EP	Z 23 14 20		
	ES	Z 39		
JUN 11	SBA EP	ZNE 00 44 24		-1.65
	H M S <td>EPICENTRE <td>DEPTH <td>MAG</td> </td></td>	EPICENTRE <td>DEPTH <td>MAG</td> </td>	DEPTH <td>MAG</td>	MAG
JUN 11	01 34 22.6	34.8S 107.3W	31KM	5.1 EASTER IS CORD
	H M S	DIR DIS LG A/T AZ TZ	AN TN	AE TE MAG
	SBA EP	ZNE 01 43 53	55 -1.47	5.6
	H M S <td>EPICENTRE <td>DEPTH <td>MAG</td> </td></td>	EPICENTRE <td>DEPTH <td>MAG</td> </td>	DEPTH <td>MAG</td>	MAG
JUN 11	02 37 35.3	51.9N 174.2E	35KM	5.5 ALEUTIAN IS
	H M S	DIR DIS LG A/T AZ TZ	AN TN	AE TE MAG
	AFI ES	ZNE 02 57 40	67	
	EL	NE 03 08 08		
	SBA EPKP	ZNE 02 56 32	130	
	H M S <td>EPICENTRE <td>DEPTH <td>MAG</td> </td></td>	EPICENTRE <td>DEPTH <td>MAG</td> </td>	DEPTH <td>MAG</td>	MAG
JUN 11	03 20 46.5	17.1S 174.0W	95KM	4.5 TONGA
	H M S	DIR DIS LG A/T AZ TZ	AN TN	AE TE MAG
	AFI EP	Z 03 21 31	4	
	ES	ZN 22 15		
	ET	ZN 25 05		
	SBA EP	ZNE 03 31 01	62	
	H M S <td>EPICENTRE <td>DEPTH <td>MAG</td> </td></td>	EPICENTRE <td>DEPTH <td>MAG</td> </td>	DEPTH <td>MAG</td>	MAG
JUN 11	03 33 45.8	44.7N 148.9E	50KM	6.0 KURILE IS
	H M S	DIR DIS LG A/T AZ TZ	AN TN	AE TE MAG
	AFI EP	Z 03 44 47	68	
	EPKP	ZNE 45 00		
	ES	NE 53 45		
	ES	Z 54 00		
	ESS	Z 51 46		
	ELQ	ZNE 04 01 30		
	ELR	ZNE 04 18		
	ET	ZN 58 52		
	SUV EP?	Z 03 44 57	68	
	SBA EPKP	ZNE 03 52 35	123	
	EPKP	ZNE 52		
	EPKPP	ZNE 04 02 31		
	ESP	ZN 04 20		
	EPCPPKP	Z 06 11		
	ESS	ZNE 11 09		
	ELQ	NE 25 01		

ELR	ZN	31 18	11 19	10 22
H M S	EPICENTRE	DEPTH	MAG	
JUN 11 03 41 02.3	44.5N 149.0E	33KM	5.7	KURILE IS
	H M S	DIR	DIS	LG A/T AZ TZ AN TN AE TE MAG
SBA EPKP	ZN 03 59 53	123		
H M S	EPICENTRE	DEPTH	MAG	
JUN 11 03 52 55.3	44.4N 149.5E	33KM	5.4	KURILE IS
	H M S	DIR	DIS	LG A/T AZ TZ AN TN AE TE MAG
SBA EPKP	ZNE 04 11 52	122		
H M S	EPICENTRE	DEPTH	MAG	
JUN 11 AFI IP	Z 04 33 57.6U			
ES	N 34 15			
H M S	EPICENTRE	DEPTH	MAG	
JUN 11 07 11 05.2	44.4N 149.2E	42KM	5.6	KURILE IS
	H M S	DIR	DIS	LG A/T AZ TZ AN TN AE TE MAG
SBA EPKP	ZN 07 29 56	122		
H M S	EPICENTRE	DEPTH	MAG	
JUN 11 07 27 44.0	44.3N 149.5E	35KM	5.5	KURILE IS
	H M S	DIR	DIS	LG A/T AZ TZ AN TN AE TE MAG
AFI EL	NE 07 56 48	68		
EL	ZN 58 48			
SBA EPKP	ZN 07 46 36	122		
EPKP	Z 50			
H M S	EPICENTRE	DEPTH	MAG	
JUN 11 08 40 59.6	44.3N 149.2E	37KM	5.5	KURILE IS
	H M S	DIR	DIS	LG A/T AZ TZ AN TN AE TE MAG
AFI EL	NE 09 09 12	68		
EL	ZE 12 18			
SBA EPKP	Z 08 59 52	122		
H M S	EPICENTRE	DEPTH	MAG	
JUN 11 10 16 39.2	44.4N 149.4E	39KM	5.2	KURILE IS
	H M S	DIR	DIS	LG A/T AZ TZ AN TN AE TE MAG
AFI EL	N 10 47 42	68		
SBA EPKP	Z 10 35 44	122		
H M S	EPICENTRE	DEPTH	MAG	
JUN 11 11 59 59.4	44.4N 149.2E	17KM	5.3	KURILE IS
	H M S	DIR	DIS	LG A/T AZ TZ AN TN AE TE MAG
AFI EL	ZNE 12 31 12	68		
H M S	EPICENTRE	DEPTH	MAG	
JUN 11 AFI EP	Z 15 36 39			
ES	ZN 37 07			
H M S	EPICENTRE	DEPTH	MAG	
JUN 12 02 44 39.7	10.8S 166.1E	133KM	5.3	SANTA CRUZ IS
	H M S	DIR	DIS	LG A/T AZ TZ AN TN AE TE MAG
SUV EP	Z 02 48 00	14	-0.33	
AFI EP	Z 02 49 22	22	-0.51	
SBA EP	ZNE 02 55 20	67	-1.82	
E*PP	Z 49			
H M S	EPICENTRE	DEPTH	MAG	
JUN 12 05 40 55.9	44.1N 149.3E	24KM	5.8	KURILE IS
	H M S	DIR	DIS	LG A/T AZ TZ AN TN AE TE MAG
AFI ES	N 06 02 06	68		
ESS	N 05 06			
EL	N 10 30			
EL	ZN 12 30			
SBA EPKP	ZNE 05 59 49	122		
H M S	EPICENTRE	DEPTH	MAG	
JUN 12 RAO IP	Z 06 25 29.2D		0.66	

ES	Z	52		
H M S	EPICENTRE	DEPTH	MAG	
JUN 12 06 51 36.5	20.8S 173.9W	63KM	5.0	TONGA
	H M S	DIR	DIS	LG A/T AZ TZ AN TN AE TE MAG
AFI EP	Z 06 53 11	7		
ES	ZN 54 24			
EL	ZN 07 00 05			
SUV EP	Z 06 53 30	8		
SBA EP	ZNE 07 01 24	58		
H M S	EPICENTRE	DEPTH	MAG	
JUN 12 17 54 48.9	6.0S 105.4E	33KM	4.8	SUNDA STRAIT
	H M S	DIR	DIS	LG A/T AZ TZ AN TN AE TE MAG
SBA EP	Z 18 06 50	78		
H M S	EPICENTRE	DEPTH	MAG	
JUN 12 18 50 11.7	20.5S 69.3W	102KM	5.8	NE CHILE
	H M S	DIR	DIS	LG A/T AZ TZ AN TN AE TE MAG
SBA P	ZNE 19 01 54	77	-0.90	
E	Z 02 32			
AFI EL	ZE 19 34 30	97		
EL	N 35 30			
H M S	EPICENTRE	DEPTH	MAG	
JUN 13 00 45 32.0	14.4S 172.7W	33KM	4.1	SAMOA IS
	H M S	DIR	DIS	LG A/T AZ TZ AN TN AE TE MAG
AFI IP	Z 00 45 48.3U	1	-0.03	
ES	ZN 46 04			
SUV EP?	Z 00 47 40	9		
H M S	EPICENTRE	DEPTH	MAG	
JUN 13 AFI EP	Z 01 42 54			
ES	ZN 43 26			
H M S	EPICENTRE	DEPTH	MAG	
JUN 13 AFI EP	Z 02 07 17		-0.68	
ES	ZN 08 17			
H M S	EPICENTRE	DEPTH	MAG	
JUN 13 07 06 13.9	41.8N 143.5E	34KM	6.0	HOKKAIDO JAPAN
	H M S	DIR	DIS	LG A/T AZ TZ AN TN AE TE MAG
AFI ES	ZNE 07 26 28	69		
EL	ZNE 37 18			
H M S	EPICENTRE	DEPTH	MAG	
JUN 13 SBA EP	ZNE 14 59 23			
H M S	EPICENTRE	DEPTH	MAG	
JUN 13 AFI IP	Z 16 32 57.4			
IS	N 33 19			
H M S	EPICENTRE	DEPTH	MAG	
JUN 13 18 47 19.0	32.7S 177.7W	33KM	5.0	S OF KERMADEC IS
	H M S	DIR	DIS	LG A/T AZ TZ AN TN AE TE MAG
RAO IP	Z 18 48 09.1U	4		
ES	Z 50			
SUV EP	Z 18 50 48	15		
AFI EP	ZN 18 51 43	19		
SBA EP	ZNE 18 55 42	46		
PCP	ZNE 57 17			
H M S	EPICENTRE	DEPTH	MAG	
JUN 13 AFI E	NE 19 46 30			
EL	Z 48 00			
H M S	EPICENTRE	DEPTH	MAG	
JUN 13 AFI EP	Z 20 19 13			
ES	ZN 20 20			

	H	M	S	EPICENTRE	DEPTH	MAG									
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
JUN 13	20	01	48,0	37,8N 29,3E	16KM	5,3			TURKEY						
	AFI	EPKP	Z	20 21 44		150									
	SBA	EPKP?	ZNE	20 21 05		136									
		EPKP	Z			12									
JUN 13	AFI	EP	Z	21 27 44											
		ES	ZN	28 27											
JUN 14	AFI	EP	Z	01 15 43											
		ES	ZN	16 21											
JUN 14	AFI	EP	Z	02 31 43											
		ES	ZN	32 29											
JUN 14	07	30	43,6	39,8S 45,8E	33KM	5,5			INDIAN RISE						
	AFI	EL	Z	08 25 00		116									
JUN 14	09	40	05,4	44,6N 129,7W	7KM	5,4			OREGON COAST						
	AFI	EL	ZNE	10 10 12		70									
JUN 14	AFI	IP	Z	15 26 13											
		ES	ZN	13											
JUN 14	SUV	EP	Z	20 12 48											-0,51
JUN 15	09	20	30,3	37,9S 177,5E	61KM	6,2			BAY OF PLENTY NZ						
	RAO	P	Z	09 22 37		8									-0,28
		ES	Z	24 17											
	SUV	EP	Z	09 25 07		20									
	AFI	EP	N	09 26 00		26									
		ES	N	30 39											
		EL	ZNE	32 00											
		ET	N	51 52											
JUN 15	RAO	EP	Z	10 04 35											
JUN 15	12	51	51,6	27,2S 175,9W	41KM	5,0			KERMADEC IS						
	RAO	IP	Z	12 52 30,5U		7			0,08						
	AFI	EP	N	12 55 08		14									
		ES	N	57 11											
		ET	N	13 07 37											
JUN 15	AFI	EP	N	16 55 05											
		ES	N	30											
JUN 15	AFI	E(P)	N	20 15 51											-0,64
JUN 15	23	10	24,8	20,8S 173,7E	15KM	5,7			NEW HEBRIDES						
	SUV	ES	Z	23 12 55		5									
		E(LR)	Z	14 01											
	RAO	E	Z	23 13 11		14									
	AFI	EP	ZNE	23 14 02		15									
		EPP	N	28											
		ES	ZNE	17 00											

	EL	ZNE	52												
	SUV	P	Z	23 11 52		5			-0,33						
JUN 16	02	43	08,4	34,7S 112,1W	33KM	5,0			EASTER IS CORD						
	SBA	EP	ZNE	02 52 37		55									
	AFI	EL	ZNE	03 09 00		57									
JUN 16	03	55	17,5	34,4S 112,3W	33KM	5,7			EASTER IS CORD						
	SBA	EP	ZNE	04 04 46		55									
		ELQ	N	18 31											
		ELR	ZNE	19 25											
	AFI	ES	ZNE	04 13 05		57									
		ESSS	E	18 50											
		EL	ZNE	20 48											
JUN 16	06	07	36,9	28,9S 176,9W	54KM	4,5			KERMADEC IS						
	RAO	IP	Z	06 07 54,3D		5									
		ES	Z	08 00											
	AFI	EP	Z	06 11 08		16									
		ES	ZN	13 47											
		ET	ZN	25 03											
	SBA	EP	ZNE	06 16 26		50									
JUN 16	08	19	33,9	36,8S 97,4W	33KM	4,4			SE PACIFIC OCEAN						
	SBA	EP	ZNE	08 29 13		56									
JUN 16	15	51	33,5	20,6S 169,3E	52KM	4,5			NEW HEBRIDES IS						
	SBA	EP	ZNE	16 01 16		57									
JUN 16	AFI	EP	Z	17 50 37											
		ES	ZN	58											
JUN 16	AFI	EP	Z	21 57 39											
		ES	ZN	58 28											
JUN 17	AFI	EP	Z	03 03 05											
		ES	ZN	24											
JUN 17	04	18	34,3	20,8S 173,9E	33KM	4,4			NEW HEBRIDES						
	AFI	EP	Z	04 22 11		15									
		ES	NE	25 02											
		EL	ZNE	54											
	SBA	EP	ZNE	04 28 21		57			-1,81						5,4
JUN 17	04	42	54,0	23,6S 179,7W	474KM	4,7			S OF FIJI						
	SUV	EP?	Z	04 44 34		6									
	AFI	EP	ZN	04 45 36		12									
		ES	ZN	47 43											
JUN 17	AFI	EP	Z	08 23 45											

DATE	H M S	EPICENTRE	DEPTH	MAG	LOCATION									
					DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE
JUN 17	10 51 34.9	33.9S 179.6W	20KM	5.3	S OF KERMADEC IS									
		H M S												
	RAO ES	Z 10 53 20												
	EP	Z 10 52 36												
	SUV EP	Z 10 55 13	16	-0.23										
	AFI EP	Z 10 56 06	21											
	ES	ZN 59 40												
	EL	ZNE 11 00 00												
	ET/	ZN 16 50												
	SBA EP	ZNE 10 59 47	44											
	EPCP	ZE 11 01 34												
	ESCP	Z 05 26												
JUN 17	19 59 18.2	0.7S 133.8E	33KM	5.0	W NEW GUINEA									
		H M S												
	SBA EP	ZNE 20 11 22	79	-1.81										
JUN 18	AFI EP	Z 02 17 01												
	ES	ZN 18												
JUN 18	AFI IP	Z 06 32 58			U									
	ES	ZN 33 15												
JUN 18	07 21 14	11.1S 164.8E	33KM	4.2	SANTA CRUZ IS									
		H M S												
	SBA EP	ZNE 07 32 08	67											
JUN 18	AFI EP	Z 12 23 07												
	ES	ZN 29												
JUN 18	22 45 16.7	11.1S 73.6W	111KM	5.5	PERU									
		H M S												
	SBA P	ZNE 22 57 42	85	-0.78										
	ESP	Z 23 09 36												
	ELR	Z 25 40												
JUN 18	23 12 24.0	18.7S 175.6W	134KM	4.4	TONGA									
		H M S												
	AFI EP	Z 23 13 50	6											
	ES	ZN 14 54												
JUN 19	06 38 11.5	52.4N 172.1E	38KM	5.5	ALEUTIAN IS									
		H M S												
	AFI ES	ZN 06 57 48	67											
	EL	ZN 07 08 00												
	SBA EPKP	ZNE 06 57 19	130											
JUN 19	AFI EP	Z 06 44 16												
	ES	N 45 07												
JUN 19	12 50 19.1	53.9N 160.5E	61KM	5.1	KAMCHATKA									
		H M S												
	SBA EPKP	Z 13 09 25	132											
JUN 19	AFI EP	Z 13 20 07												
	ES	ZN 21 42												

DATE	H M S	EPICENTRE	DEPTH	MAG	LOCATION									
					DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE
JUN 19	13 24 54.5	15.1S 167.4E	115KM	4.5	NEW HEBRIDES IS									
		H M S												
	SBA EP	Z 13 35 08	63											
JUN 19	15 31 04.7	21.5S 179.3W	619KM	5.0	FIJI									
		H M S												
	SUV IP	Z 15 31 32	4	-0.23										
	AFI EP	Z 15 33 25	10											
	ES	ZN 35 17												
	SBA EP	Z 15 39 55	57											
JUN 19	AFI EP	Z 22 08 22												
	ES	ZN 10 02												
JUN 20	00 50 10.0	14.9S 175.1W	297KM	4.9	SAMOA									
		H M S												
	AFI EP	Z 00 51 10	3											
	SUV EP	Z 00 51 52	7											
JUN 20	01 57 25.3	44.6N 149.2E	41KM	5.5	KUKILE IS									
		H M S												
	AFI EL	ZN 02 27 24	68											
	SBA EPKP	Z 02 16 17	123											
	EPKP	ZNE 31												
JUN 20	06 01 57.4	6.8S 129.2E	146KM	5.4	BANDA SEA									
		H M S												
	SBA EP	ZNE 06 13 16	74											
JUN 20	06 40 22.5	24.0S 176.3W	67KM	4.4	S OF FIJI									
		H M S												
	SUV EP	Z 06 42 14	8											
	RAO EP	Z 06 41 42	9											
	IS	Z 42 44.0U												
	AFI EP	Z 06 42 52	11											
	ES	ZN 44 36												
	SBA EP	ZNE 06 49 48	55											
JUN 20	07 37 17.2	9.0S 123.7E	57KM	4.7	TIMOR									
		H M S												
	SBA EP	ZNE 07 48 38	72											
JUN 20	12 38 50.3	3.4S 139.3E	62KM	5.3	W NEW GUINEA									
		H M S												
	SBA EP?	Z 12 50 40	76											
	E	ZNE 51												
JUN 20	18 04 37.3	42.9N 126.1W	33KM	5.6	OFF OREGON									
		H M S												
	SBA EPKP	ZNE 18 23 37	127											
JUN 20	AFI EP	Z 18 34 57												
	ES	ZN 35 26												
	ET	ZN 37 00												

	H M S	EPICENTRE	DEPTH	MAG										
JUN 21	00 21 16.1	28.1N 55.9E	40KM	6.0	S	IRAN								
		H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG	
	SBA EPKP	ZNE 00 40 07		122										
JUN 21	01 56 18.9	24.6S 67.5W	141KM	4.4		CHILE ARGENTINA								
	SBA EP	ZNE 02 07 37		73										
JUN 21	AFI EP	Z 03 19 02												
	ES	N 21												
	ET	ZN 20 57												
JUN 21	AFI EP	Z 09 47 40												
	ES	N 58												
	ET	ZN 49 14												
JUN 21	SBA EP	ZNE 11 59 33												
JUN 21	SUV IP	Z 18 35 30.5		-0.08										
	ES	Z 36 03												
JUN 21	19 16 43.0	23.3S 179.6E	567KM	3.9	S	OF FIJI								
	SUV EP	Z 19 18 19		5										
JUN 22	00 54 19.9	0.1S 124.5E	33KM	5.3		MOLUCCA SEA								
	SBA EP	ZNE 01 06 31		81										
JUN 22	AFI EP	Z 01 31 22												
	ES	ZN 40												
JUN 22	01 59 34	12.3S 166.7E	98KM			SANTA CRUZ IS								
	SBA EP	ZN 02 10 08		66	-1.93									
JUN 22	04 19 54.7	0.6N 125.4E	41KM	5.4		MOLUCCA PASSAGE								
	SBA EP	ZNE 04 32 09		81										
	E(*PP)	Z 24												
JUN 22	05 49 27.7	36.2N 77.6E	107KM	5.7		KASHMIR-SINKIANG								
	SBA EPKP	Z 06 08 46		125										
JUN 22	AFI E	NE 12 04 00												
	EL	ZNE 52												
JUN 22	SBA EP	ZNE 12 07 04												
JUN 22	12 56 55.6	29.9S 178.3W	232KM			KERMADEC IS								
	RAO IP	Z 12 57 27.2U		5										
	SUV EP	Z 12 59 43		12										
	RAR EP	Z 13 00 32		19										
	AFI EP	Z 13 00 40		17										
	ES	ZN 03 35												
	SBA P	ZNE 13 05 20		49	-1.43									

	H M S	EPICENTRE	DEPTH	MAG										
JUN 22	13 13 15.9	20.9S 173.7E	33KM	4.8		NEW HEBRIDES								
	SUV EP	Z 13 14 35		5										
	AFI EP	Z 13 16 54		15	-0.68									5.4
	ES	E 19 58												
	ES	ZN 20 32												
	EL	ZNE 21 06												
	RAR ES	ZN 13 23 11		25						22	13			6.4
	EL	ZNE 25												
	SBA EP	ZNE 13 23 02		57	-1.45									5.7
	E(PCP)	Z 47												
JUN 22	21 13 24.5	2.3S 138.7E	33KM	5.3	W	NEW GUINEA								
	SBA EP	ZNE 21 25 18		77										
JUN 22	22 06 33	2.3S 141.7E	33KM			N NEW GUINEA								
	SBA EP	ZNE 22 18 23		77										
JUN 22	23 48 07.1	7.1N 123.5E	60KM	5.6		PHILIPPINE IS								
	AFI EP	Z 23 59 10		68										
	ES	Z 24 08 04												
	ES	N 24												
	ESS	ZN 12 12												
	ESSS	N 15 30												
	EL	Z 17 54												
	SBA EP	ZNE 24 00 53		88										
	ES	NE 11 40												
	ELQ	NE 23 52												
	ELR	Z 26 24												
JUN 23	00 28 04	24.0S 65.9W	33KM	4.5		ARGENTINA								
	SBA EP	ZNE 00 39 38		74										
JUN 23	06 59 02.7	14.8S 167.7E	49KM	4.6		NEW HEBRIDES IS								
	SBA EP	Z 07 09 17		63										
JUN 23	10 59 11.5	32.5S 178.7W	23KM	5.3	S	OF KERMADEC IS								
	RAO EP	Z 11 00 02		5										
	ES	Z 40												
	SUV EP	Z 11 02 39		15	-0.25									
	SBA EP	ZNE 11 07 36		46										
JUN 23	11 09 15.7	56.5N 152.8W	33KM	5.7		KODIAK IS								
	AFI EP	Z 11 20 45		72										
	ES	ZNE 30 00												
	ESS	ZE 34 32												
	E	N 36 10												
	ESSS	N 37 50												
	EL	N 41 42												
	RAR EP	Z 11 21 15		78	-0.38		5	5	9	10	6	10		6.7
	ES	ZNE 31 05												6.7

		ESS	Z	36 05				
		ELR	ZN	44 35	11 20 14 20			
SBA		EPKP	ZNE	11 28 33	136			
		EPP	Z	31 25				
		SKP	ZNE	32 06				
		ESS	NE	49 22				
		ESSS	ZN	54 09				
		ELQ	E	12 05 36				
		ELR	ZNE	11 44	5 19 4 19 3 19			
H M S		EPICENTRE		DEPTH	MAG			
JUN 23	11 24 18.4	8.9S	123.8E	59KM	5.4	FLORES IS		
		H M S		DIR	DIS	LG	A/T	AZ TZ AN TN AE TE MAG
SBA	P	ZNE	11 35 39	72				
H M S		EPICENTRE		DEPTH	MAG			
JUN 23	16 09 01.0	4.2S	135.2E	33KM	5.1	W NEW GUINEA		
		H M S		DIR	DIS	LG	A/T	AZ TZ AN TN AE TE MAG
AFI	ES	E	16 25 30	53				
	EL	ZE	32 06					
	EL	ZE	35 18					
SBA	EP	ZNE	16 20 45	75				
	ELR	ZNE	46 24					
H M S		EPICENTRE		DEPTH	MAG			
JUN 24	03 29 45.0	18.2S	69.7W	72KM	5.0	N CHILE		
		H M S		DIR	DIS	LG	A/T	AZ TZ AN TN AE TE MAG
SBA	EP	ZNE	03 41 43	79	-1.81			
H M S		EPICENTRE		DEPTH	MAG			
JUN 24	07 45 13.9	7.0N	126.2E	51KM	5.8	PHILIPPINE IS		
		H M S		DIR	DIS	LG	A/T	AZ TZ AN TN AE TE MAG
AFI	ES	NE	08 04 34	65				
	ESCS	Z	05 20					
	ESSS	ZN	08 40					
	EL	NE	11 54					
	EL	ZNE	15 10					
SBA	EP	ZNE	07 57 58	88	-1.31			
	ES	NE	08 08 38					
	ELR	Z	30 28					
JUN 24	AFI	EP	Z	12 36 22				
	E	Z	44					
	ES	NE	58					
	ET	ZN	38 49					
JUN 24	AFI	IP	Z	12 40 30.3U	-0.74			
	ES	ZN	41 01					
JUN 24	AFI	EP	Z	12 55 56				
	ET	ZN	58 20					
H M S		EPICENTRE		DEPTH	MAG			
JUN 24	14 08 32.4	23.5S	176.8W	102KM	5.5	S OF FIJI		
		H M S		DIR	DIS	LG	A/T	AZ TZ AN TN AE TE MAG
SUV	EP	Z	14 10 16	7	0.17			
RAO	EP	Z	14 09 56	9				
	ES	Z	11 02					
AFI	EP	Z	14 10 54	11				
	ES	ZN	12 43					
	EL	ZNE	13 00					
	ET	ZN	19 36					
RAR	EP	ZN	14 12 08	16	-0.27			
	ES	ZN	13 45					
	ELQ	N	15					
	ELR	ZNE	16 10					
	ET(MAX)	ZN	28					
				6 9 9 9 9 9				

DISTANT EARTHQUAKES - OVERSEAS STATIONS

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		SBA <th>P <th>ZNE</th> <th>14 17 56</th> <th>55</th> <th>-1.25</th> <th>5.8</th> </th>	P <th>ZNE</th> <th>14 17 56</th> <th>55</th> <th>-1.25</th> <th>5.8</th>	ZNE	14 17 56	55	-1.25	5.8
JUN 25	AFI	IP	Z	14 08 26				
	ES	ZN	45					
JUN 25	SUV	EP	Z	18 25 19				
H M S		EPICENTRE		DEPTH	MAG			
JUN 25	20 27 02.8	37.0S	95.9W	33KM	5.3	S PACIFIC OCEAN		
		H M S		DIR	DIS	LG	A/T	AZ TZ AN TN AE TE MAG
SBA	EP	ZNE	20 36 38	56				
JUN 26	AFI	EP	Z	04 05 31				
	ES	ZN	54					
JUN 26	AFI	EP	Z	23 28 15				
	ES	ZN	48					
	ET	ZN	31 45					
JUN 27	AFI	EP	Z	00 04 32				
	ES	ZN	05 05					
	ET	ZN	08 04					
H M S		EPICENTRE		DEPTH	MAG			
JUN 27	00 55 10.6	33.4S	178.9W	33KM	4.8	S OF KERMADEC IS		
		H M S		DIR	DIS	LG	A/T	AZ TZ AN TN AE TE MAG
RAO	EP	Z	00 56 12	5				
	ES	Z	55					
SUV	EP	Z	00 58 45	15				
AFI	EP	Z	00 59 46	20				
	ES	Z	01 03 20					
RAR	EP	Z	00 59 54	21				
	ES	Z	01 03 35					
	ET	Z	21 30					
	ET(MAX)	Z	22 50					
SBA	EP	ZNE	01 03 26	45				
	ELR	Z	18 51					
H M S		EPICENTRE		DEPTH	MAG			
JUN 27	01 04 29.0	9.0N	94.0E	49KM	5.0	NICOBAR IS		
		H M S		DIR	DIS	LG	A/T	AZ TZ AN TN AE TE MAG
SBA	EP	Z	01 17 49	95				
JUN 27	SBA	EP	ZNE	02 38 49				
	EL	ZNE	42 18					
JUN 27	AFI	EP	Z	04 46 05				
	ES	ZN	41					
	ET	ZN	49 40					
H M S		EPICENTRE		DEPTH	MAG			
JUN 27	09 45 48.7	54.7S	5.2E	33KM	5.9	BOUVET IS		
		H M S		DIR	DIS	LG	A/T	AZ TZ AN TN AE TE MAG
SBA	IP	ZNE	09 54 21.2	47	-0.63			
	EPP	Z	56 10					
	ES	N	10 01 26					
	ELR	ZN	08 24					
								3 20
JUN 27	AFI	IP	Z	09 49 04.2U	0.23			
	ES	N	24					
H M S		EPICENTRE		DEPTH	MAG			
JUN 27	11 36 08.2	23.9N	121.6E	20KM	5.6	TAIWAN		
		H M S		DIR	DIS	LG	A/T	AZ TZ AN TN AE TE MAG
AFI	EP	Z	11 47 52	75				
	ES	ZNE	57 32					
	ESS	NE	12 02 16					

ESKP		ZNE		55 54	
JUL 01	AFI E(P)	ZN	03 29 52		
	H M S	EPICENTRE	DEPTH	MAG	
JUL 01	04 54 51.4	23.3S 67.7W	85KM	5.1	CHILE-ARGENTINA
	SBA P	ZNE	05 06 21		
	H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
				74	
JUL 01	AFI EP	Z	09 39 55		
	ES	ZN	40 16		
JUL 01	AFI EP	Z	11 40 20		
	ES	NE	41 19		
JUL 01	AFI EP	Z	16 49 15		
	ES	N	46		
JUL 01	SUV P	Z	20 46 08.5	-0.27	
	H M S	EPICENTRE	DEPTH	MAG	
JUL 01	23 12 45.4	63.0S 163.6W	33KM		S PACIFIC CORD
	SBA IP	ZNE	23 16 49	U	18 -0.12
	ES	ZE	19 25		
	L	ZNE	20 24		
	AFI EP	Z	23 21 34	49	
	ES	E	28 40		
	ESS	ZNE	32 40		
	EL	ZE	35 12		
	ET	ZN	24 13 41		
JUL 02	AFI EP	Z	02 22 22		
	ES	ZN	40		
JUL 02	SBA EP	Z	06 59 46		
	E	ZNE	07 00 19		
	E	ZNE	50		
	H M S	EPICENTRE	DEPTH	MAG	
JUL 02	12 57 04.8	23.3S 179.8W	525KM	4.2	S OF FIJI
	SUV P	Z	12 58 38	5	-0.47
	H M S	EPICENTRE	DEPTH	MAG	
JUL 02	20 58 40.0	53.1N 167.6W	60KM	6.7	ALEUTIAN IS
	AFI IP	Z	21 09 25.6D	67	0.05
	EPP	ZN	11 52		
	ES	ZNE	18 12		
	ESS	ZE	22 28		
	ESSS	E	25 16		
	EL	ZN	26 05		
	EL	ZN	28 18		
	SUV EP	Z	21 09 58	72	
	SBA EPKP	Z	21 17 31	132	
	E	Z	47		
	EPP	NE	20 10		
	ISKP	Z	21 05.3U		
	ESKS	E	24 45		
	EPS	N	30 26		
	EPPS	E	32 10		
	EL	NE	56 52		
JUL 02	AFI E(P)	Z	21 38 56	-0.41	

JUL 03	AFI IP	Z	02 30 37.6		
	ES	ZN	55		
	H M S	EPICENTRE	DEPTH	MAG	
JUL 03	09 25 38	23.4S 176.0W	42KM	4.7	S OF FIJI
	SUV EP	Z	09 27 21.5	7	
	H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
JUL 03	AFI IP	Z	10 55 21	U	
	IS	ZN	41		
	H M S	EPICENTRE	DEPTH	MAG	
JUL 03	11 26 08.9	22.6N 101.4E	14KM	5.3	BURMA CHINA BORDER
	AFI ELQ	NE	12 05 1F	92	
	ELR	ZE	09 12		
	H M S	EPICENTRE	DEPTH	MAG	
JUL 03	12 22 24.2	4.7S 133.8E	11KM	5.2	W NEW GUINEA
	AFI ELR	ZNE	12 47 44	54	
	H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
JUL 03	AFI EP	Z	16 42 52	-0.87	
	ES	ZNE	43 50		
	H M S	EPICENTRE	DEPTH	MAG	
JUL 03	20 48 22.9	15.2S 176.4W	21KM	5.0	FIJI
	AFI EP	Z	20 49 31	5	
	ES	ZNE	50 20		
	ET	ZN	53 35		
	SBA EP	Z	20 58 57	63	
JUL 04	SUV EP	Z	00 51 32		
JUL 04	SUV IP	Z	02 39 10.2U	-0.25	
JUL 04	AFI EP	Z	02 39 46	-0.74	
JUL 04	AFI IP	Z	08 52 40	D	
	ES	ZN	53 06		
	H M S	EPICENTRE	DEPTH	MAG	
JUL 04	09 01 10.2	15.8S 176.5W	375KM	4.4	FIJI
	SUV EP	Z	09 02 24	5	-0.44
	AFI EP	Z	09 02 30	5	-0.73
	H M S	EPICENTRE	DEPTH	MAG	
JUL 04	17 07 42.2	17.5S 174.6W	258KM	4.4	TONGA
	AFI EP	ZN	17 08 44	5	
	ES	ZN	09 32		
	SUV EP	Z	17 09 16	6	
JUL 04	SUV EP	Z	20 49 44		
JUL 05	AFI EP	Z	01 06 18		
	ES	ZN	48		
	ET	ZN	09 16		
	H M S	EPICENTRE	DEPTH	MAG	
JUL 05	08 31 58.3	52.8N 34.2W	30KM	5.6	N ATLANTIC OCEAN
	AFI ESSP	ZN	09 11 15	129	
	E	ZNE	33 30		

	EL	ZN	35 18	
	EL	Z	38 30	
SBA	EPKP	ZNE	08 51 52	154
JUL 05	SUV	EP	Z 10 20 27	
JUL 05	AFI	EP	Z 17 05 36	
	ES	ZN	06 07	
	ET	ZN	08 35	
JUL 05	SUV	P	Z 17 25 18	
JUL 05	AFI	IP	Z 21 22 21.7U	
	ES	ZN	42	
JUL 05	AFI	EP	Z 22 00 18	
	ES	ZN	01 21	
	H M S	EPICENTRE	DEPTH MAG	
JUL 06	02 08 17	17.8S 174.6W	26KM 4.7 TONGA	
	AFI	EP	Z 02 09 29	
	ES	ZN	10 14	
	ET	ZN	13 48	
	H M S	EPICENTRE	DEPTH MAG	
JUL 06	03 04 21.2	22.5S 172.9E	54KM 5.9 LOYALTY IS	
	SUV	EP	Z 03 06 01	
	RAO	EP	Z 03 07 16	
	AFI	EP	ZN 03 08 15	
	ES	ZNE	11 26	
	EL	ZNE	12 38	
	RAR	EP	Z 03 09 44	25
	ES	N	14 35	6 18
	ESSS	ZE	16 00	
	ELR	ZE	18 45	6 18
	SBA	IP	ZNE 03 13 52.3USW	55 -0.24
	ES	NE	21 42	
	ELQ	E	28 16	
	ELR	ZNE	30 24	
	H M S	EPICENTRE	DEPTH MAG	
JUL 06	03 18 42.7	38.4N 22.6E	20KM 5.9 GREECE	
	SBA	EP	ZNE 03 38 05	138
	EPP	Z	40 09	
	ESKP	ZNE	41 16	
	ESKKS	NE	47 00	
	SUV	EPKP	Z 03 38 37	151
	AFI	EPKP	Z 03 38 40	152
	E	N	48	
	E	N	04 01 48	
	EL	ZNE	07 30	
	EL	ZNE	19 00	
	H M S	EPICENTRE	DEPTH MAG	
JUL 06	04 34 22.4	7.3N 127.0E	45KM 4.9 PHILIPPINE IS	
	AFI	ES	ZNE 04 53 54	64
	ESS	ZNE	56 30	
	ESSS	ZNE	59 24	
	EL	Z	05 04 00	
JUL 06	SUV	EP	Z 12 17 39	

	H M S	EPICENTRE	DEPTH	MAG															
JUL 06	14 49 30.8	59.6S 26.1W	59KM	5.2	S SANDWICH IS														
	SBA	P	ZNE 14 57 22.4	43	-1.45														
	EPP	ZNE	59 14																
	H M S	EPICENTRE	DEPTH	MAG															
JUL 06	18 36 47.4	4.5S 155.1E	510KM	6.4	SOLOMON IS														
	SUV	IP	Z 18 41 45	27	-0.26														
	AFI	IP	ZN 18 42 49	34	0.39														
	E*PP	Z	44 20																
	EPCP	ZE	45 14																
	ES	ZNE	47 36																
	EPCS	Z	48 11																
	E*SS	ZNE	50 20																
	ESCS	N	52 19																
	E	ZE	53 08																
	E	N	55 55																
	RAO	EP	Z 18 43 01	36	0.35														
	RAR	IP	ZNE 18 44 33.2D	47	0.07														
	ES	ZNE	50 50																
	E*SS	ZN	53 37																
	ESS	Z	54 35																
	E*SSCS	Z	56 50																
	SBA	P	Z 18 47 30	74															
	I	Z	30.9																
	S	NE	56 25																
	PS	N	52																
	E	NE	58 33																
	E	NE	59 31																
JUL 06	SUV	EP	Z 18 47 46	-0.51															
JUL 06	AFI	EP	Z 21 22 10																
	ES	ZN	23 03																
	ET	ZN	27 06																
JUL 07	SBA	P	ZNE 06 13 37	-1.50															
JUL 07	SUV	EP	Z 09 42 07																
	H M S	EPICENTRE	DEPTH	MAG															
JUL 07	12 08 34.0	49.8S 116.9E	25KM	5.2	S OF AUSTRALIA														
	SBA	P	ZNE 12 15 14	34															
	E(S)	E	20 41																
	ELQ	NE	23 25																
	ELR	ZNE	24 48																
	H M S	EPICENTRE	DEPTH	MAG															
JUL 07	15 37 21.6	15.1S 173.0W	33KM	4.9	SAMOA														
	AFI	IP	Z 15 37 43	D	2 0.02														
	S	ZNE	38 02																
	RAR	EP	N 15 40 39	14															
	ES	NE	43 05																
	SBA	EP	Z 15 47 53	64															
	EL	ZNE	16 13 17																
JUL 07	AFI	EP	Z 16 02 43																
	ES	NE	03 03																
JUL 07	AFI	EP	Z 16 18 54																
	ES	NE	19 12																

	H	M	S	EPICENTRE	DEPTH	MAG									
JUL 07	21	38	50.5	32.7N 138.8E	226KM	5.6	S OF HONSHU								
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
	AFI	EP	Z	21 49 17		66									
JUL 07	23	00	06.4	7.0S 105.6E	105KM	5.8	JAVA								
	SBA	IP	ZNE	23 11 51.8D		77	-1.25								
JUL 07	23	02	29	14.2S 172.7W	33KM	5.1	SAMOA								
	AFI	IP	Z	23 02 46	D	1									
		S	ZNE	03 05											
	RAR	EP	Z	23 05 39		14									
		ES	ZNE	08 12											
JUL 07	23	25	15.8	13.6S 171.3W	33KM	4.3	SAMOA								
	AFI	IP	Z	23 25 26.9D		1									
		IS	NE	45											
JUL 07	AFI	EP	Z	23 39 11											
		ES	NE	40 15											
JUL 07	AFI	IP	Z	23 53 37	U										
		IS	NE	54 15											
JUL 08	13	04	03.0	15.8S 179.2W	16KM	4.9	FIJI								
	SUV	EP	Z	13 04 53		3	-0.31								
		ES	Z	05 30											
	AFI	EP	ZE	13 05 53		7									
		ES	ZNE	07 06											
	RAR	EP	Z	13 08 30		19									
	SBA	EP	ZNE	13 14 28		62									
JUL 08	RAO	EP	Z	13 13 30											
		ES	Z	14 20											
JUL 08	AFI	EP	Z	13 44 25											
		ES	ZNE	43											
JUL 08	AFI	IP	Z	14 28 46.4											
		ES	ZNE	29 10											
JUL 08	AFI	EL	ZNE	15 17 32											
JUL 08	AFI	E(L)	ZNE	15 34 12											
JUL 08	16	07	19.8	16.2S 174.7W	57KM	4.5	TONGA								
	AFI	EP	Z	16 08 04		4									
		I	Z	10											
		ES	ZNE	42											
		ET	ZNE	11 20											
	RAR	ES	ZNE	16 13 15		15									
		ET	ZNE	25 58											
	SBA	EP	Z	16 17 44		62									

	H	M	S	EPICENTRE	DEPTH	MAG									
JUL 08	20	27	39	35.6S 178.2E	267KM		E NORTH IS NZ								
	SBA	P	ZNE	20 35 12		43									
JUL 09	00	41	49	7.6N 147.2E	5KM	4.3	CAROLINE IS								
	AFI	EL	ZNE	01 02 12		46									
JUL 09	04	17	04.8	18.6S 168.1E	33KM	4.5	NEW HEBRIDES								
	SBA	EP	Z	04 27 04		59									
JUL 09	AFI	IP	Z	11 27 54											
		IS	NE	28 14											
JUL 09	15	21	54	16.0S 174.3W	129KM	4.0	TONGA								
	AFI	EP	Z	15 22 44		3									
		ES	NE	23 46											
JUL 09	15	38	23.5	21.0S 178.1W	559KM		FIJI								
	AFI	EP	Z	15 40 35		9									
		ES	ZNE	42 13											
JUL 09	17	05	33	15.4S 175.6W	33KM	4.2	TONGA								
	AFI	EP	Z	17 06 33		4	-0.81								
		ES	NE	07 28											
		ET	ZNE	11 12											
JUL 09	RAO	EP	Z	22 39 54		0.25									
JUL 09	RAO	EP	Z	22 42 07		0.33									
JUL 09	RAO	IP	Z	22 46 50.3D		-0.04									
JUL 09	RAO	EP	Z	22 55 39.6U		-0.02									
JUL 09	RAO	EP	Z	23 03 14		-0.14									
JUL 09	RAO	IP	Z	23 12 16.2D		0.40									
JUL 09	RAO	IP	Z	23 31 25.3U		0.45									
JUL 09	RAO	IP	Z	23 36 08.0D		0.16									
JUL 09	RAO	IP	Z	23 51 42.1U		0.39									
JUL 09	RAO	EP	Z	23 54 34		0.00									
JUL 09	RAO	IP	Z	23 57 14.2U											
JUL 10	AFI	EP	Z	00 14 04											
		ES	NE	15 08											
		ET	ZNE	18 37											

	H M S	EPICENTRE	DEPTH	MAG	
JUL 10	00 32 27.1	30.0S 178.7W	33KM	4.9	KERMADEC IS
		H M S DIR DIS LG A/T AZ TZ AN TN AE TE			
RAO	P	Z 00 32 42.0U	5	0.45	
SBA	IP	ZNE 00 41 04.9U	48		
	EPP	ZNE 42 50			
AFI	ELR	ZNE 00 41 26	17		
JUL 10	RAO IP	Z 00 34 26.0			
JUL 10	RAO P	Z 00 55 33		0.41	
	H M S	EPICENTRE	DEPTH	MAG	
JUL 10	01 16 54.0	30.1S 178.9W	33KM	4.8	KERMADEC IS
		H M S DIR DIS LG A/T AZ TZ AN TN AE TE			
RAO	IP	Z 01 17 08.4D	5		
AFI	ES	ZNE 01 24 36	17		
SBA	P	ZNE 01 25 34	48		
JUL 10	RAO EP	Z 01 36 13		0.31	
	H M S	EPICENTRE	DEPTH	MAG	
JUL 10	02 07 43.0	30.0S 178.7W	11KM	5.0	KERMADEC IS
		H M S DIR DIS LG A/T AZ TZ AN TN AE TE			
RAO	IP	Z 02 08 00.9U	5		
AFI	EL	ZNE 02 16 00	17		
SBA	P	ZN 02 16 26	48		
JUL 10	RAO EP	Z 02 58 51.0U		0.42	
	H M S	EPICENTRE	DEPTH	MAG	
JUL 10	03 25 48	30.0S 178.9W	66KM	4.8	KERMADEC IS
		H M S DIR DIS LG A/T AZ TZ AN TN AE TE			
RAO	IP	Z 03 25 58.3U	5		
AFI	ES	E 03 33 30	17		
	EL	ZNE 34 12			
SBA	IP	ZN 03 34 24.2U	48		
JUL 10	RAO IP	Z 04 03 44.1U			
	H M S	EPICENTRE	DEPTH	MAG	
JUL 10	04 26 42.9	55.3N 162.5E	45KM	5.0	E COAST KAMCHATKA
		H M S DIR DIS LG A/T AZ TZ AN TN AE TE			
AFI	EL	ZN 04 59 18	72		
JUL 10	SBA P	Z 05 04 23			
	H M S	EPICENTRE	DEPTH	MAG	
JUL 10	05 10 48.4	30.1S 178.8W	73KM	4.7	KERMADEC IS
		H M S DIR DIS LG A/T AZ TZ AN TN AE TE			
RAO	IP	Z 05 10 57.8U	5		
AFI	ES	ZNE 05 18 30	17		
JUL 10	RAO EP	Z 05 36 13		0.11	
JUL 10	RAO IP	Z 06 11 29.7U			
JUL 10	SBA P	ZNE 07 00 42			
	H M S	EPICENTRE	DEPTH	MAG	
JUL 10	07 55 22.5	30.2S 178.9W	77KM	4.6	KERMADEC IS
		H M S DIR DIS LG A/T AZ TZ AN TN AE TE			
RAO	IP	Z 07 55 31.9D	5		
AFI	EL	ZNE 08 03 30	17		
SBA	IP	Z 08 03 56.8D	48		
JUL 10	RAO EP	Z 08 15 29			

DISTANT EARTHQUAKES - OVERSEAS STATIONS

	H M S	EPICENTRE	DEPTH	MAG	
JUL 10	08 50 07.6	11.5S 165.9E	103KM	4.2	SANTA CRUZ IS
		H M S DIR DIS LG A/T AZ TZ AN TN AE TE			
AFI	EL	ZNE 08 59 48	22		
JUL 10	RAO IP	Z 09 29 05.0			
	H M S	EPICENTRE	DEPTH	MAG	
JUL 10	09 33 31.2	17.5S 178.7W	599KM	3.8	FIJI
		H M S DIR DIS LG A/T AZ TZ AN TN AE TE			
SUV	EP	Z 09 34 51	3		
AFI	IP	Z 09 35 26	D	8	
	ES	NE 37 36			
	H M S	EPICENTRE	DEPTH	MAG	
JUL 10	09 43 29.3	24.3S 179.8W	498KM	4.9	S OF FIJI
		H M S DIR DIS LG A/T AZ TZ AN TN AE TE			
SUV	EP	Z 09 45 11	6		
RAO	EP	Z 09 45 02	9		
	ES	Z 46 15			
AFI	EP	Z 09 46 13	13		
	ES	NE 48 22			
JUL 10	RAO IP	Z 11 18 59.4U			
JUL 10	AFI EL	ZNE 11 27 16			
JUL 10	AFI EP	Z 11 57 09			
	ES	NE 40			
	ET	ZNE 59 53			
JUL 10	RAO IP	Z 12 12 53.3U			
JUL 10	AFI EL	ZNE 12 21 12			
JUL 10	RAO EP	Z 14 03 45		0.21	
	H M S	EPICENTRE	DEPTH	MAG	
JUL 10	14 07 53	30.3S 178.9W	72KM	4.5	KERMADEC IS
		H M S DIR DIS LG A/T AZ TZ AN TN AE TE			
RAO	IP	Z 14 08 03.9	5		
AFI	EL	ZNE 14 16 24	18		
SBA	P	ZNE 14 16 29	48		
	H M S	EPICENTRE	DEPTH	MAG	
JUL 10	16 48 41.6	30.3S 178.6W	47KM	4.8	KERMADEC IS
		H M S DIR DIS LG A/T AZ TZ AN TN AE TE			
RAO	IP	Z 16 48 53.0U	5		
AFI	EL	ZNE 16 57 12	17		
SBA	IP	ZNE 16 57 18.6U	48		
JUL 10	RAO IP	Z 18 32 11.9U			
JUL 10	AFI EL	ZNE 18 40 30			
JUL 10	SBA P	ZNE 18 40 38			
JUL 10	SBA EP	ZNE 19 12 29			
JUL 10	RAO EP	Z 19 56 04			
	H M S	EPICENTRE	DEPTH	MAG	
JUL 10	21 11 36.1	30.7S 178.4W	98KM	4.4	KERMADEC IS
		H M S DIR DIS LG A/T AZ TZ AN TN AE TE			
RAO	IP	Z 21 11 41.8U	5		
AFI	EL	ZNE 21 20 00	18		

		SBA EP	ZNE 21 20 07	48											
JUL 10	RAO EP	Z	22 11 39	0.16											
		H M S	EPICENTRE	DEPTH	MAG										
JUL 10	23 45 48		30.0S 178.6W	33KM		KERMADEC IS									
		H M S	DIR DIS	LG A/T	AZ TZ	AN TN	AE TE								
	RAO IP	Z	23 46 00.6D	5											
	SBA EP	ZNE	23 54 27	48											
JUL 11	AFI IP	Z	02 20 59												
	ES	NE	21 45												
JUL 11	AFI EP	Z	02 43 10												
	ES	NE	44 49												
JUL 11	RAO P	Z	03 32 57	0.55											
JUL 11	AFI EP	Z	04 21 27												
	ES	NE	23 04												
		H M S	EPICENTRE	DEPTH	MAG										
JUL 11	05 21 44.7		15.1S 173.7W	52KM	4.9	SAMOA									
		H M S	DIR DIS	LG A/T	AZ TZ	AN TN	AE TE								
	AFI IP	ZNE	05 22 10.5D	2											
	ES	ZNE	30												
	RAR P	ZN	05 24 58	15											
	T(MAX)	ZN	40												
	SBA P	ZNE	05 32 12	64											
JUL 11	RAO EP	Z	09 39 58												
		H M S	EPICENTRE	DEPTH	MAG										
JUL 11	20 12 42.8		19.1S 175.6W	257KM	4.7	TONGA									
		H M S	DIR DIS	LG A/T	AZ TZ	AN TN	AE TE								
	AFI IP	Z	20 14 07 D	6											
	E	ZNE	17												
	E	N	29												
	ES	ZNE	15 09												
	SUV IP	Z	20 14 09.5U	6	-0.13										
	RAR IP	ZN	20 16 32.5D	15	-0.73										
	SBA IP	ZNE	20 22 23 U	59											
	E(PCP)	ZNE	23 18												
		H M S	EPICENTRE	DEPTH	MAG										
JUL 11	22 54 44		16.6S 173.0W	33KM	4.7	TONGA									
		H M S	DIR DIS	LG A/T	AZ TZ	AN TN	AE TE								
	AFI EP	Z	22 55 29	3											
	ES	ZNE	56 03												
	ET	ZNE	58 33												
	SBA EP	Z	23 05 01	62											
		H M S	EPICENTRE	DEPTH	MAG										
JUL 12	03 21 21.7		18.4S 175.5W	165KM	4.2	TONGA									
		H M S	DIR DIS	LG A/T	AZ TZ	AN TN	AE TE								
	AFI EP	Z	03 22 46	6											
	ES	ZNE	23 45												
	ET	ZNE	28 25												
	SUV EP	Z	03 22 59	6											
	SBA EP	Z	03 31 13	60											
JUL 12	RAO P	Z	04 28 26												
		H M S	EPICENTRE	DEPTH	MAG										
JUL 12	05 34 12.5		16.5S 172.9W	79KM	5.0	SAMOA									
		H M S	DIR DIS	LG A/T	AZ TZ	AN TN	AE TE								
	AFI EP	Z	05 34 44	3	-0.96										

	ES	ZNE	35 12												
RAR EP	ZN	05 37 05	13												
ES	N	39 28													
E	E	52													
ELR	ZE	40 50													
SBA P	ZNE	05 44 28	62												
E(PCP)	E	53 03													
ELR	ZNE	06 02 14													
JUL 12	AFI EP	Z	06 47 56												
	ES	ZNE	48 26												
	ET	ZNE	50 55												
JUL 12	AFI EP	Z	07 09 57												
	ES	ZNE	10 29												
	ET	ZNE	12 33												
JUL 12	AFI EP	Z	08 16 36												
	ES	ZNE	17 06												
	ET	ZNE	19 11												
JUL 12	AFI EP	Z	08 27 24												
	ES	ZNE	53												
	ET	ZNE	30 05												
JUL 12	AFI EP	Z	09 06 17												
	ES	NE	08 13												
JUL 12	AFI IP	Z	10 04 23 U												
	IS	NE	44												
JUL 12	RAO IP	Z	10 44 22.0D												
JUL 12	AFI IP	Z	13 55 22.2D												
	ES	ZNE	39												
		H M S	EPICENTRE	DEPTH	MAG										
JUL 12	13 57 14.8		26.4S 68.3W	118KM	5.7	ARGENTINA									
		H M S	DIR DIS	LG A/T	AZ TZ	AN TN	AE TE	MAG							
	SBA P	ZNE	14 08 09.7	69											
	PKPPKP	Z	36 17												
JUL 12	RAO IP	Z	18 48 55.1U												
JUL 12	RAO IP	Z	19 14 30.3U												
JUL 12	RAO IP	Z	21 43 06.9U	0.91											
JUL 12	AFI EP	Z	22 19 04												
	ES	NE	20 06												
	ET	ZNE	25 09												
JUL 13	AFI EP	Z	04 24 47												
	ES	ZNE	25 04												
		H M S	EPICENTRE	DEPTH	MAG										
JUL 13	06 23 49.9		20.2S 174.1W	63KM	5.1	TONGA									
		H M S	DIR DIS	LG A/T	AZ TZ	AN TN	AE TE	MAG							
	AFI EP	Z	06 25 17	7	-0.92										
	ES	NE	26 15												
	ET	ZNE	31 25												
	RAR EP	ZN	06 26 46	13	-0.71										
	SBA P	ZNE	06 32 49	58											

	H M S	EPICENTRE	DEPTH	MAG	
JUL 13	14 41 11.3	0.9S 121.5E	129KM	5.5	N CELEBES
		H M S DIR DIS LG A/T AZ TZ AN TN AE TE			
SBA	EP	Z 14 53 14	81		
JUL 13	19 37 11.7	4.3S 143.3E	102KM	5.4	NEW GUINEA
		H M S DIR DIS LG A/T AZ TZ AN TN AE TE			
SBA	P	ZNE 19 48 42	75		
JUL 13	19 45 23.2	21.0S 176.4W	177KM	4.5	FIJI
		H M S DIR DIS LG A/T AZ TZ AN TN AE TE			
SUV	P	Z 19 46 52	6	0.04	
AFI	EP	Z 19 47 21	8		
	ES	ZNE 48 35			
RAR	P	ZN 19 48 54	16		
SBA	P	ZNE 19 55 10	57		
JUL 14	AFI EP	Z 01 52 29			
	ES	ZNE 45			
JUL 14	RAO IP	Z 14 54 43.8U		0.39	
JUL 14	17 06 48.1	1.4N 90.7W	33KM	4.7	GALAPAGOS IS
		H M S DIR DIS LG A/T AZ TZ AN TN AE TE			
AFI	ELQ	E 17 41 42	82		
	ELR	Z 44 06			
JUL 15	AFI IP	Z 00 30 58.3U			
	IS	ZNE 31 18			
JUL 15	RAO EP	Z 03 14 57		0.05	
JUL 15	AFI EL	ZNE 06 59 42			
JUL 15	SUV EP	Z 17 28 58			
JUL 15	18 33 30.7	7.7N 123.8E	590KM	6.0	PHILIPPINE IS
		H M S DIR DIS LG A/T AZ TZ AN TN AE TE			
SBA	P	ZNE 18 45 24	89		
	E	ZNE 47 16			
JUL 15	AFI EP	Z 19 20 31			
	IS	NE 51			
JUL 15	20 32 59.7	23.5S 179.9W	528KM	5.2	S OF FIJI
		H M S DIR DIS LG A/T AZ TZ AN TN AE TE			
SUV	EP	Z 20 34 38	6	-0.40	
SBA	P	ZNE 20 40 43	55		
JUL 15	21 05 05	30.6S 179.6E	335KM		KERMADEC IS
		H M S DIR DIS LG A/T AZ TZ AN TN AE TE			
RAO	EP	Z 21 05 56	5		
	ES	Z 06 26			
SUV	EP	Z 21 07 55.5	12	-0.61	
AFI	EP	Z 21 08 50	18	-0.70	
JUL 16	AFI EP	Z 04 00 46			
	ES	ZNE 01 05			

	H M S	EPICENTRE	DEPTH	MAG	
JUL 16	07 27 10.8	19.4S 177.6W	563KM	4.9	FIJI
		H M S DIR DIS LG A/T AZ TZ AN TN AE TE			
SUV	EP	Z 07 28 39	4		
JUL 16	12 19 21.4	14.6S 173.1W	50KM	4.8	SAMOA
		H M S DIR DIS LG A/T AZ TZ AN TN AE TE			
AFI	IP	Z 12 19 46.3U	1		
	ES	ZNE 20 04			
JUL 16	12 47 13.2	1.2N 90.5W	33KM	5.1	GALAPAGOS IS
		H M S DIR DIS LG A/T AZ TZ AN TN AE TE			
AFI	ELQ	ZNE 13 22 06	82		
	ELR	Z 25 00			
JUL 16	13 17 08.0	11.9S 166.2E	60KM	4.5	SANTA CRUZ IS
		H M S DIR DIS LG A/T AZ TZ AN TN AE TE			
SUV	E(P)	Z 13 20 31	13		
SBA	P	ZNE 13 27 50	66	-1.37	
					5.7
JUL 16	22 33 16.3	11.8S 166.1E	30KM	4.6	SANTA CRUZ IS
		H M S DIR DIS LG A/T AZ TZ AN TN AE TE			
SUV	E(P)	Z 22 36 42	14		
AFI	EP	Z 22 38 06	22		
	ES	ZE 42 08			
	ES	N 38			
	ET	ZE 43 40			
SBA	P	ZNE 22 44 02	66	-1.35	
					5.8
JUL 17	AFI EP	Z 02 51 54			
	ES	ZNE 52 14			
	ET	ZNE 55 12			
JUL 17	07 20 30.5	9.7S 159.8E	23KM	6.4	SOLOMON IS
		H M S DIR DIS LG A/T AZ TZ AN TN AE TE			
SUV	EP	Z 07 25 21	20		
AFI	IP	Z 07 26 25	D	28	-0.61
	ES	NE 31 06			
	ESS	NE 32 30			
	ESSS	Z 33 15			
	EL	Z 34 14			
RAR	ES	N 07 34 28	40		
	EL	N 37 30			
SBA	EP	ZNE 07 31 32	68		
	ES	ZNE 40 39			
	EPS	N 41 20			
	ESS	N 45 04			
	ELR	ZNE 52 15			
JUL 17	12 47 49.4	7.2S 153.6E	28KM	5.7	NEW BRITAIN
		H M S DIR DIS LG A/T AZ TZ AN TN AE TE			
AFI	EP	Z 12 54 35	35	-0.32	
SBA	P	ZNE 12 59 05	71		
	EPP	Z 13 02 11			
JUL 17	12 59 10.7	27.2S 177.6W	27KM	5.4	KERMADEC IS
		H M S DIR DIS LG A/T AZ TZ AN TN AE TE			
RAO	IP	Z 12 59 44.2D	6		
SUV	EP	Z 13 01 30	10		

	H	M	S	EPICENTRE	DEPTH	MAG										
				DIR DIS LG A/T AZ TZ AN TN AE TE MAG												
JUL 25	14	32	32.5	23.4N 179.9W	559KM	4.0	S OF FIJI									
	AFI	EP		Z 14 35 08		38										
		ES		NE 37 12												
	SUV	EP		Z 14 34 09		41										
	SBA	EP		Z 14 41 13		101										
JUL 25	AFI	EL		NE 15 26 42												
JUL 25	17	19	30.1	24.6S 179.9W	472KM	4.6	S OF FIJI									
	SUV	EP		Z 17 21 15		7										
JUL 25	21	46	45.3	51.5N 176.0E	39KM	5.5	ALEUTIAN IS									
	AFI	ES		ZNE 22 06 18		66										
		EL		ZNE 16 24												
	RAR	EL		ZN 22 25 20		75	6 20 6 20									
	SBA	EPKP		ZNE 22 05 55		129										
JUL 26	03	32	37.4	23.2S 179.6W	524KM	3.7	S OF FIJI									
	AFI	EP		Z 03 35 14		12										
		ES		NE 37 15												
		EP		Z 34 16												
JUL 26	AFI	EL		NE 04 35 18												
JUL 26	AFI	EL		NE 07 32 48												
JUL 26	10	41	44.3	16.1S 172.6W	33KM	4.5	SAMOA									
	AFI	EP		ZNE 10 42 16		2										
		ES		ZNE 40												
	SUV	EP		Z 10 43 56		9										
	RAR	ES		N 10 47 50		13										
		ELR		ZE 48 25												
JUL 26	10	43	29.0	14.4S 166.7E	56KM	4.7	NEW HEBRIDES									
	SUV	EP		Z 10 46 33		12										
JUL 26	15	23	49.9	16.0S 172.8W	53KM	5.0	SAMOA									
	AFI	IP		Z 15 24 19.5D		2										
		ES		NE 42												
	SUV	EP		Z 15 25 58		9										
	RAR	EP		ZNE 15 26 51		13										
		ES		N 29 12												
		EL		ZE 30 40												
		ET		ZNE 40 18												
		ET(MAX)		ZNE 41 20												
	SBA	P		ZNE 15 34 11		63	-1.63									
JUL 26	16	45	15.8	7.5S 155.9E	47KM	4.9	SOLOMON IS									
	SBA	EP		ZNE 16 56 29		71										
JUL 27	AFI	IP		Z 01 46 35		U										

	ES	ZNE	55													
JUL 27	AFI	EP		Z 03 17 08												
		ES		ZN 30												
		ES		E 35												
JUL 27	SBA	E(P)		ZNE 05 53 51												
JUL 27	08	26	25.4	34.2S 179.1W	6KM	4.4	S OF KERMADEC IS									
	RAF	EP		Z 08 27 45		5										
		ES		Z 28 36												
	AFI	EP		Z 08 31 16		21										
		EL		E 37 06												
	SBA	P		ZNE 08 34 38		44										
JUL 27	12	38	12.5	55.7S 27.4W	33KM	5.3	S SANDWICH IS									
	SBA	P		ZNE 12 46 39		46	-1.10									
JUL 27	15	53	44.1	6.8S 155.1E	85KM	5.5	SOLOMON IS									
	AFI	EP		Z 16 00 14		33	-0.84									
		EL		ZE 10 18												
JUL 27	AFI	EP		Z 18 15 07												
		ES		ZNE 34												
JUL 28	AFI	EP		Z 05 43 43			-0.68									
		ES		ZNE 45 02												
JUL 28	08	33	43.9	18.3S 175.3W	140KM		TONGA									
	AFI	EP		Z 08 35 06		6										
		ES		NE 36 02												
JUL 28	12	02	04.3	17.9S 178.2W	600KM	4.0	FIJI									
	SUV	EP		Z 12 03 25		3										
	AFI	EP		Z 12 03 56		7	-0.38									
		ES		NE 05 23												
JUL 28	AFI	EP		Z 14 19 41												
		ES		ZNE 20 07												
		ET		ZNE 21 56												
JUL 28	18	46	35.8	42.2S 82.7W	33KM	4.9	W CHILE RISE									
	SBA	EP		Z 18 55 54		53										
JUL 28	AFI	EP		Z 19 09 47												
		ES		NE 10 03												
JUL 28	22	29	07.5	2.2S 101.9E	135KM	5.7	S SUMMATRA									
	SBA	IP		ZNE 22 41 17.2U		83										
	AFI	EP		Z 22 41 38		86										

DATE	H M S	EPICENTRE	DEPTH	MAG	LOCATION								
					DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE
JUL 29	05 26 57.4	15.1S 173.0W	50KM	4.7	TONGA								
		H M S											
	AFI EP	Z 05 27 18											
	RAR EP	ZNE 05 30 07		14									
	SBA EP	Z 05 37 26		64									
JUL 29	08 29 21.2	50.9N 171.4W	22KM	6.3	ALEUTIAN IS								
	AFI EP	Z 08 40 03		65	0.00								
	EPP	ZN 42 26											
	ES	ZNE 48 30											
	ESS	ZNE 52 17											
	ESSS	ZNE 55 50											
	EL	ZN 57 50											
	SUV EP	Z 08 40 38		69									
	RAR EP	ZNE 08 40 48		73				18	10				
	E(PCP)	Z 53											
	ES	ZNE 50 17						23	25	30	22	28	12
	ESKS	ZN 52											
	ESS	ZN 54 35											
	ESSS	ZN 57 35											
	ELR	ZNE 09 01 50						159	30	118	30	26	30
	ELR	ZN 10 46						16	60	8	60		
	SBA IPKP	ZNE 08 48 31	D	129									
	PP	Z 50 44											
	SKP	Z 51 55											
	E	Z 56 16											
	SP	ZN 09 00 37											
	SKKS	Z 05 03											
	ESS	ZNE 08 38											
	ESSS	Z 12 22											
	ELR	ZNE 28 36											
JUL 29	SUV EP	Z 09 08 31											
JUL 29	AFI EP	Z 12 53 05											
	ES	ZNE 50											
JUL 29	AFI EP	Z 13 35 28		-0.71									
	ES	NE 44											
JUL 29	15 08 32.6	51.0N 171.3W	3KM	5.5	ALEUTIAN IS								
	SBA EPKP	Z 15 27 42		129									
JUL 29	15 10 11.4	50.9N 171.2W	33KM	5.2	ALEUTIAN IS								
	SBA EPKP	Z 15 29 16		129									
JUL 29	AFI E	Z 16 01 12											
	EL	Z 03 06											
JUL 30	03 12 03.4	20.6S 175.7W	120KM	4.3	TONGA								
	AFI EP	Z 03 13 54		8									
	ES	NE 15 05											
	ET	ZNE 19 25											
	RAR EP	ZNE 03 15 33		15									

DATE	H M S	EPICENTRE	DEPTH	MAG	LOCATION								
					DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE
		18 07											
	SBA EP	Z 03 21 46		58									
JUL 30	05 45 03.5	24.3S 179.7W	549KM	5.4	S OF FIJI								
	AFI EP	Z 05 47 50		13									
JUL 30	05 45 16	18.1S 170.8W	72KM	6.0	N CHILE								
	SBA IP	ZNE 05 57 14.30		79									
JUL 30	07 20 09.8	6.8N 172.9W	170KM	5.5	COLUMBIA								
	RAR EP	Z 07 32 50		90	-1.41								5.6
JUL 30	11 25 03.3	45.2S 167.6E	37KM		SOUTH IS NZ								
	SBA EP	Z 11 31 36		33									
JUL 30	18 58 58.7	24.4S 167.7W	140KM	5.3	CHILE								
	SBA IP	ZNE 19 10 16.30		73									
	RAR IP	Z 19 11 12.2		83	-1.01								5.9
JUL 31	AFI EP	Z 00 17 32											
	ES	ZNE 18 05											
JUL 31	06 05 01.2	17.9S 178.5W	542KM	3.9	FIJI								
	AFI EP	Z 06 06 56		8									
	ES	NE 08 28											
JUL 31	07 36 31.5	35.9N 142.2E	52KM	4.8	E HONSHU								
	AFI ES	NE 07 56 08		66									
	EL	NE 08 05 24											
	EL	Z 06 06											
JUL 31	11 46 59.3	20.1S 173.0W	33KM	4.3	TONGA								
	AFI EP	ZNE 11 48 22		6	-1.12								
	ES	NE 49 28											
	EL	ZNE 50 24											
	RAR IP	ZNE 11 49 53.00		12	-1.11								
	ES	ZNE 52 05											
	EL	ZNE 53 25											
JUL 31	14 26 26.6	26.0S 179.7E	462KM	5.6	S OF FIJI								
	RAO EP	Z 14 27 42		8									
	ES	Z 28 40											
	AFI EP	ZNE 14 29 29		14	-0.87								
	ES	ZNE 31 56											
	RAR EP	Z 14 30 22		19									
	E	E 34 45											
	SBA IP	ZNE 14 34 54.7D		52									
JUL 31	AFI EP	ZNE 15 02 34											

		ES	ZNE	03 00											
		H M S	EPICENTRE	DEPTH	MAG										
JUL 31	15 20 40.3		20.6S 174.4W	33KM	4.5	TONGA									
		AFI EP	Z 15 22 27		7										
		ES	ZNE 23 27												
		ET	ZNE 29 05												
		RAR EP	ZNE 15 23 40		14										
		ES	ZNE 25 57												
JUL 31	15 44 44.9		19.2S 177.6W	551KM	4.7	FIJI									
		AFI IP	Z 15 46 40	D	8 -0.43										
		ES	NE 48 10												
		RAR EP	Z 15 48 13		17										
JUL 31	20 33 04.5		12.3N 166.1E	33KM		SANTA CRUZ IS									
		AFI ESS	NE 20 42 12		34										
		EL	Z 43 24												
		SBA EP	Z 20 43 47		90										
AUG 01	02 40 04.5		38.9S 74.4W	33KM		OFF CENTRAL CHILE									
		SBA EP	ZNE 02 49 53		58										
AUG 01	AFI EP	Z	05 39 01												
		ES	NE 20												
		ET	ZNE 40 55												
AUG 01	07 28 04		20.1S 177.0W	515KM	4.1	FIJI IS									
		AFI EP	Z 07 29 50		8										
		ES	NE 31 13												
AUG 01	09 19 51.1		0.3N 125.8E	82KM	5.4	MOLUCCA PASSAGE									
		SBA EP	ZNE 09 32 05		81										
AUG 01	AFI EP	ZNE	10 25 19		0.28										
		ES	ZNE 50												
		ET	NE 28 03												
AUG 01	RAR EP	Z	12 44 21												
AUG 01	15 02 56.3		46.9N 143.8E	401KM	5.3	SAYHALIN IS									
		AFI EP	Z 15 13 40		72 -0.78										
		RAR EP	Z 15 14 48		85										
AUG 01	SBA EP	ZNE	15 14 52												
		EPP	Z 16 35												
		E(SS)	E 24 08												
		ELR	ZN 27 38												
AUG 01	SBA PKP	ZNE	15 21 10												
		E*PPKP	ZNE 22 50												
		E	N 31 47												

2 15

		H M S	EPICENTRE	DEPTH	MAG										
AUG 01	16 41 05.0		52.8N 153.4E	445KM	5.1	NW OF KUPILE IS									
		SBA EPKP	ZNE 17 02 11		131										
AUG 01	19 28 04.4		24.7S 176.9W	92KM	5.3	S OF FIJI IS									
		SUV IP	Z 19 29 59	U	8 -0.21										
		AFI EP	Z 19 30 42		12										
		ES	NE 32 36												
		ET	ZNE 41 05												
		RAR EP	ZNE 19 31 45		16										
		ES	ZNE 34 31												
		SBA EP	ZNE 19 37 21		54 -1.63										
		E(*PP)	Z 47												
AUG 01	20 34 16.8		13.5S 165.8E	13KM	5.8	NEW HEBRIDES IS									
		AFI EP	Z 20 39 11		22 -0.57										
		ES	ZNE 43 06												
		RAR EP	Z 20 41 13		34 -1.03										
		SBA EP	ZNE 20 44 54		64 -1.52										
AUG 01	22 10 01		36.7S 79.4E	33KM	4.4	MID-INDIAN RISE									
		SBA EP	ZNE 22 19 24		54										
AUG 01	22 13 44.5		15.4S 167.6E	125KM	4.5	NEW HEBRIDES									
		SBA P	ZNE 22 23 57		62 -1.58										
AUG 01	22 50 47.1		21.5S 169.2E	33KM	4.3	LOYALTY IS									
		SBA EP	ZN 23 00 26		56										
AUG 01	23 44 28.2		32.5S 178.9W	45KM	5.8	S OF KERMADEC IS									
		RAO P	Z 23 45 16		5										
		ES	Z 56												
		SUV IP	Z 23 47 52.50		14										
		AFI EP	Z 23 48 52		20										
		ES	NE 52 11												
		EL	ZNE 53 18												
		ET	ZNE 24 07 01												
		RAR EP	Z 23 49 05		20 -0.32										
		ES	ZNE 52 47												
		EL	Z 53 35												
		ET	ZNE 24 09 30												
		SBA IP	ZNE 23 52 50.90		46 -0.31										
		EPCP	Z 54 28												
		S	NE 59 40												
AUG 02	AFI EP	Z	06 42 33												
		ES	NE 49												
		ET	ZNE 45 13												
AUG 02	13 19 55.9		56.2S 157.9E	33KM	6.6	MACQUARIE IS									
		SBA EP	ZNE 13 24 47		22 0.54										

		ZNE	28 58						
	ES	ZNE	28 58						
	ELR	ZNE	31 20						
SUV	EP	Z	13 27 40	41					
RAR	IP	ZNE	13 28 25.7U	47 -0.23	41 10				
	EPP	Z	30 25		26 8				
	E	E	34 55						
	ES	ZNE	35 17		222 18 109 17 96 17				
	ESS	ZNE	39 02						
	ELQ	NE	30						
	ELR	Z	40 30						
AFI	EP	Z	13 28 35	48 -0.61					
	EPP	ZNE	30 36						
	ES	ZNE	35 36						
	ESS	ZNE	39 04						
	ELQ	ZNE	40 45						
	ELR	ZN	42 05						
AUG 02	16 43 11.7	7.4N	78.7W	17KM	5.4	PANAMA			
		H M S		DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG	
AFI	ESS	ZE	17 14 34	95					
	EL	ZE	27 30						
AUG 03	02 01 52.2	7.4S	81.3W	33KM	5.8	OFF COAST N PERU			
		H M S		DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG	
SBA	IP	ZNE	02 14 37.6D	87 -1.15					
AFI	EP	Z	02 14 46	89 0.01					
	ES	ZE	26 24						
	E	N	38 10						
	EL	ZE	42 34						
AUG 03	AFI EP	Z	04 13 03						
	ES	ZNE	48						
AUG 03	AFI EP	Z	05 06 54						
	ES	ZNE	07 13						
AUG 03	09 36 38.5	21.3S	179.2W	593KM	4.8	FIJI IS			
		H M S		DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG	
SUV	IP	Z	09 38 01	U 4 -0.21					
AFI	EP	Z	09 38 56	10					
	ES	NE	40 42						
SBA	EP	Z	09 45 30	57					
AUG 03	AFI IP	Z	14 35 23.3						
	ES	ZNE	41						
AUG 03	SUV P	Z	14 38 56						
AUG 03	14 41 55	15.9S	172.6W	33KM	4.7	SAMOA IS			
		H M S		DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG	
AFI	IP	Z	14 42 26	U 2					
	ES	ZNE	50						
SBA	EP	ZNE	14 52 20	63					
AUG 03	18 00 32.7	15.5S	167.5E	128KM	4.9	NEW HEBRIDES IS			
		H M S		DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG	
SUV	EP	Z	18 03 17	11					
AFI	EPP	ZE	18 05 38	20					
	ES	ZNE	08 42						
SBA	EP	ZNE	18 10 44	62 -1.00					

	H M S	EPICENTRE	DEPTH	MAG					
AUG 03	19 12 13.6	1.8S 126.5E	57KM	4.6	MOLUCCA SEA				
		H M S		DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG	
SBA	EP	ZNE	19 24 14	79					
AUG 04	06 39 29	33.7S 179.3W	33KM	4.3	S OF KERMADEC IS				
		H M S		DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG	
RAO	EP	Z	06 40 32	5					
	ES	Z	41 18						
AUG 04	08 47 09.4	13.2S 167.0E	209KM	5.7	NEW HEBRIDES IS				
		H M S		DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG	
SUV	EP	Z	08 49 57	12 -0.63					
AFI	EP	Z	08 51 34	21 -0.06				6.4	
	E+PP	Z	58						
	ES	NE	55 12						
	E+SS	ZNE	56 06						
SBA	IP	ZNE	08 57 26.9U	65 -0.85				6.0	
AUG 04	09 38 44.0	14.9S 166.9E	59KM	4.3	NEW HEBRIDES IS				
		H M S		DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG	
SBA	EP	ZNE	09 49 07	63					
AUG 04	12 41 47.1	5.7S 130.6E	74KM	4.0	BANDA SEA				
		H M S		DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG	
SBA	EP	ZNE	12 53 20	75 -1.82				5.1	
AUG 05	00 07 50.9	5.2S 151.6E	50KM	6.2	NEW BRITAIN				
		H M S		DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG	
SUV	E(P)	Z	00 14 16	29					
AFI	EP	Z	00 14 57	37 -0.61				6.2	
	EPPP	Z	16 49						
	ES	ZNE	20 36						
	ESSS	ZNE	23 34						
	EL	ZE	25 18						
RAR	EP	ZE	00 16 42	50	10 8			6.8	
	ES	ZNE	23 49		14 12			24 10 7.1	
	ESS	Z	27 25						
	ELQ	N	29 00			30 40			
	ELR	ZE	31						
	MAX	ZE	33			28 28		26 26	
SBA	EP	Z	00 19 15	73					
	I	ZNE	19.0U						
	S	ZNE	28 40			12 13	11 9	6.9	
	E+SS	E	29 19						
	ESS	ZNE	33 12						
	ESSS	Z	36 56						
	ELQ	NE	37 34						
	ELR	ZN	42 24			7 23	5 22		
AUG 05	AFI IP	Z	00 41 46	D					
	IS	NE	42 05						
AUG 05	11 02 21.2	15.1S 176.9W	388KM	4.6	FIJI IS				
		H M S		DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG	
AFI	IP	Z	11 03 43	D 5					
	ES	NE	04 49						
SUV	EP	Z	11 03 47	5					
SBA	EP	ZNE	11 12 11	63 -1.58				5.2	

	H M S	EPICENTRE	DEPTH	MAG						
AUG 05	14 27 29	65.8S 178.9E	33KM		BALLENY IS					
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG			
SBA	EP	ZNE 14 30 28		13 -1.12						
	EL	ZNE 33 35			3 20					
AUG 05	AFI EP	Z 14 36 29								
	ES	NE 48								
AUG 05	19 47 43	65.4S 179.1E	33KM		BALLENY IS					
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG			
SBA	EP	ZNE 19 50 46		13 -1.07						
	EL	ZNE 53 46			9 19					
AUG 05	19 49 48	7.7S 68.1E	33KM	5.0	CHAGOS ARCHIPELAGO					
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG			
SBA	EP	ZNE 20 02 20		84						
AUG 05	AFI IP	Z 22 34 30.1								
	ES	NE 43								
AUG 06	02 57 26.9	21.5S 179.7W	579KM		FIJI IS					
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG			
SUV	P	Z 02 58 56.5		4 -0.20						
AFI	EP	Z 02 59 52		11 -0.85						
	ES	NE 03 01 55								
SBA	EP	ZNE 03 06 14		57 -1.65						
AUG 06	SUV EP	Z 05 24 06								
AUG 06	12 16 07.9	18.5S 169.2E	33KM	4.6	NEW HEBRIDES IS					
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG			
SBA	EP	ZNE 12 26 07		59 -1.65						
AUG 06	18 15 11.3	41.5N 131.2E	553KM	5.3	SEA OF JAPAN					
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG			
SBA	EPKP	Z 18 34 37		121						
AUG 06	21 56 16.0	22.2S 170.3E	17KM		LOYALTY IS					
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG			
SBA	EP	ZN 22 05 55		56						
AUG 07	SBA EP	ZNE 04 20 14		-1.18						
AUG 07	AFI EP	Z 08 19 39								
AUG 07	11 18 36.7	31.5S 178.0W	33KM	4.6	KERMADEC IS					
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG			
SBA	EP	ZNE 11 27 08		47						
AUG 07	12 06 04.1	29.5S 175.7W	33KM	4.5	KERMADEC IS					
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG			
SBA	EP	ZNE 12 14 54		49						
AUG 07	AFI IP	Z 15 32 27								
	ES	ZNE 42								

	H M S	EPICENTRE	DEPTH	MAG						
AUG 07	23 57 48.8	20.0S 176.3W	215KM	3.8	FIJI IS					
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG			
AFI	EP	Z 23 59 35		7						
	ES	ZNE 24 00 54								
AUG 08	00 25 27.1	15.9S 167.2E	17KM	4.4	NEW HEBRIDES IS					
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG			
SBA	P	ZNE 00 35 48		62 -1.65			5.6			
AUG 08	04 32 42.3	6.7N 127.0E	73KM	4.9	PHILIPPINE IS					
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG			
SBA	EP	ZNE 04 45 23		87						
AUG 08	06 31 59.9	20.4S 68.7W	115KM	5.2	CHILE-BOLIVIA					
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG			
SBA	EP	ZNE 06 43 43		77						
	E(+SP)	Z 44 28								
AUG 08	09 46 28.9	4.0N 128.5E	45KM	5.4	N OF HALMAHERA					
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG			
SBA	EP	ZNE 09 58 58		84						
	E+PP	Z 59 11								
AUG 08	12 49 23.4	51.8N 175.2W	53KM	5.3	ALEUTIAN IS					
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG			
AFI	ES	ZN 13 08 46		65						
	EL	ZN 19 00								
SBA	EPKP	ZNE 13 08 27		130						
	ESKP	ZNE 11 46								
AUG 08	AFI IP	Z 18 59 54.2								
	ES	ZNE 19 00 19								
AUG 08	23 11 29	39.9S 15.9W	33KM	4.4	TRISTAN DA CUNHA					
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG			
SBA	EP	ZNE 23 21 52		63						
AUG 08	SBA EP	ZNE 23 34 41		-1.71						
AUG 09	SBA EP	ZNE 00 16 26								
AUG 09	AFI EP	Z 00 59 36								
	ES	ZNE 50								
AUG 09	AFI EP	Z 02 27 47		-0.77						
AUG 09	02 34 22.2	7.0S 123.2E	579KM	5.1	BANDA SEA					
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG			
SBA	EP	ZNE 02 45 02		74						
AUG 09	SUV EP	Z 04 50 06								
	E	Z 16								
AUG 09	SBA EP	ZNE 08 59 08								

		ES	ZNE	56 20										
SBA		EP	ZNE	19 58 04	62	-1.33								
		H M S	EPICENTRE		DEPTH	MAG								
AUG 11		19 52 28.4	15.6S	167.0E	23KM	5.6	NEW HEBRIDES IS							
			H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
	SUV	EP	Z	19 55 20		11								
	RAO	EP	Z	19 56 58		21	0.18							
	AFI	EP	Z	19 57 10		21	0.04							
	SBA	P	ZNE	20 02 50	U	62	-0.33							
		ES	ZNE	11 21										
		EPS	E	12 41										
		ESS	ZNE	15 21										
		ELQ	NE	18 35										
		ELR	ZN	22 21										
		EPKPPK	ZE	32 07										
		EPKPPK	ZN	19										
RAR CHANGING RECORDS														
		H M S	EPICENTRE		DEPTH	MAG								
AUG 11		20 13 59.1	15.7S	167.0E	51KM	6.0	NEW HEBRIDES IS							
			H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
	SUV	EP	Z	20 16 47		11								
	AFI	IP	Z	20 18 37	U	21	0.36							
	SBA	IP	ZNE	20 24 16.8U		62	-0.68							
AUG 11	SBA	IP	ZNE	20 19 14.0D			-1.13							
AUG 11	AFI	EP	Z	20 22 03										
	SBA	P	ZNE	20 27 44			-1.27							
		H M S	EPICENTRE		DEPTH	MAG								
AUG 11		20 54 10	15.6S	167.1E	95KM	4.2	NEW HEBRIDES IS							
			H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
	SBA	EP	ZNE	21 04 24		62	-1.65							
		H M S	EPICENTRE		DEPTH	MAG								
AUG 11		20 55 10.3	15.6S	166.8E	20KM	4.7	NEW HEBRIDES IS							
			H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
	SUV	EP	Z	20 58 00		11								
	AFI	EP	Z	20 59 54		21	-0.12							
	SBA	EP	ZNE	21 05 34		62								
		H M S	EPICENTRE		DEPTH	MAG								
AUG 11		22 31 45.9	15.8S	167.2E	13KM	6.4	NEW HEBRIDES IS							
			H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
	SUV	EP	Z	22 34 33		11								
	RAO	P	Z	22 36 18		21	1.92							
	EL	Z	41 31											
	AFI	EP	Z	22 36 26		20	0.73							
	RAR	P	ZNE	22 38 12	UE	32	209 25							
	SBA	IP	ZNE	22 42 09.2USW		62	0.73							
		ES	E	50 39										
		EPKPPK	ZNE	23 11 28										
AUG 11	SBA	P	ZNE	23 01 13										
AUG 11	SUV	EP	Z	23 01 31										
	RAO	EP	Z	23 03 10			0.45							
	AFI	EP	Z	23 03 27										
	SBA	EP	ZNE	23 09 10			-0.57							
AUG 11	SBA	EP	ZNE	23 23 56			-1.58							
AUG 11	SBA	P	ZNE	23 48 27			-1.63							

		H M S	EPICENTRE		DEPTH	MAG								
AUG 11		23 51 08	16.6S	165.8E	33KM	4.4	NEW HEBRIDES IS							
			H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
	SBA	EP	ZNE	24 01 14		61								
AUG 12	SBA	EP	ZNE	00 57 33			-1.73							
		H M S	EPICENTRE		DEPTH <td>MAG</td> <td colspan="4"></td>	MAG								
AUG 12		01 54 03.8	16.0S	167.2E	28KM	5.0	NEW HEBRIDES IS							
			H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
	SBA	EP	ZNE	01 04 23		62								
		H M S	EPICENTRE		DEPTH <td>MAG</td> <td colspan="4"></td>	MAG								
AUG 12		01 04 29	20.7S	177.9W	366KM	4.1	FIJI IS							
			H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
	SUV	EP	Z	01 05 50		4								
AUG 12	SBA	EP	ZNE	01 15 20										
		H M S	EPICENTRE		DEPTH <td>MAG</td> <td colspan="4"></td>	MAG								
AUG 12		01 17 33	16.0S	166.9E	46KM	4.7	NEW HEBRIDES IS							
			H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
	SUV	E(P)	Z	01 20 37		11								
	SBA	EP	ZNE	01 27 50		62								
		H M S	EPICENTRE		DEPTH <td>MAG</td> <td colspan="4"></td>	MAG								
AUG 12		01 20 49.4	16.2S	167.1E	26KM	4.8	NEW HEBRIDES IS							
			H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
	SUV	EP	Z	01 23 36		11								
	SBA	EP	ZNE	01 31 08		62	-1.46							
		H M S	EPICENTRE		DEPTH <td>MAG</td> <td colspan="4"></td>	MAG								
AUG 12		01 25 01.9	23.3S	175.7W	45KM	5.2	TUNGA IS							
			H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
	SUV	EP	Z	01 26 59		7								
	AFI	EP	Z	01 27 19		10								
	ES	ZNE	29 05											
	ET	ZNE	35 28											
	RAR	EP	ZNE	01 28 23		15								
	SBA	EP	ZNE	01 34 32		55								
		H M S	EPICENTRE		DEPTH <td>MAG</td> <td colspan="4"></td>	MAG								
AUG 12		01 33 34.6	1.5N	126.4E	49KM	5.6	MOLUCCA PASSAGE							
			H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
	SBA	IP	ZNE	01 45 53.0U		82	-1.38							
AUG 12	SBA	EP	ZNE	01 55 30										
AUG 12	SBA	EP	ZNE	02 18 35										
		H M S	EPICENTRE		DEPTH <td>MAG</td> <td colspan="4"></td>	MAG								
AUG 12		02 14 53	20.7S	175.7W	8KM		TUNGA IS							
			H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
	SBA	EP	ZNE	02 24 48		58								
		H M S	EPICENTRE		DEPTH <td>MAG</td> <td colspan="4"></td>	MAG								
AUG 12		02 21 34.4	16.1S	167.5E	46KM	5.0	NEW HEBRIDES IS							
			H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
	SUV	EP	Z	02 24 22		11								
	SBA	IP	ZNE	02 31 51.0U		62	-1.48							
		E+PP	Z	32 03										
AUG 12	AFI	EP	Z	02 32 05										
	ES	NE		50										

	H M S	EPICENTRE	DEPTH	MAG	
AUG 12	03 13 42	15.9S 167.1E	33KM	4.6	NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
SBA	EP	ZNE 03 24 02	62		
AUG 12	03 44 29	16.0S 167.3E	33KM	4.0	NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
SBA	EP	ZN 03 54 48	62		
AUG 12	04 00 10	16.3S 167.2E	43KM	4.5	NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
SBA	EP	ZN 04 10 27	62		
AUG 12					
SUV	EP	Z 04 19 14			
AUG 12	04 39 49.1	17.7S 178.7W	545KM	4.4	FIJI IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
SUV	EP	Z 04 41 05	3		
	ES	Z 04 42 13			
	AFI	EP Z 04 41 42	8	0.13	
		ES ZNE 04 43 14			
	SBA	P ZE 04 49 09	61	-1.68	
		E ZNE 04 49 17			
AUG 12					
SBA	P	ZNE 04 57 56		-1.71	
AUG 12	04 51 00	15.8S 166.9E	33KM	4.4	NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
SBA	EP	ZNE 05 01 20	62		
AUG 12	05 37 22.7	49.5S 164.0E	33KM	5.3	AUCKLAND IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
SBA	EP	ZNE 05 43 16	28		
AUG 12	05 57 38	15.7S 167.0E	78KM		NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
SBA	EP	ZN 06 07 55	62		
AUG 12	06 14 36	16.3S 167.3E	34KM		NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
SBA	EP	ZNE 06 24 53	62		
AUG 12	07 27 04.8	15.7S 167.1E	33KM	4.9	NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
SBA	P	ZNE 07 37 25	62	-1.71	
AUG 12	08 01 43.5	15.9S 167.4E	26KM	6.2	NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
SUV	EP	Z 08 04 25	11		
	AFI	EP ZNE 08 06 18	20	0.58	
		ES ZNE 08 10 02			
		L ZNE 08 11 25			
	RAR	EP ZE 08 08 08	32	9 22	
		ES ZNE 08 12 35			
		ESS ZE 08 15 30			
		ELR ZE 08 17		70 23	
	SBA	IP ZNE 08 12 03.1U	62	-0.17	7 21

	H M S	EPICENTRE	DEPTH	MAG	
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
		ES ZNE 20 28			
		E E 22 10			
		ESS ZNE 24 14		10 28	
		ELU ZNE 27 43			38 53
		ELR ZN 30 54		16 24	10 20
		EPKPPKP ZN 41 04			
		EPKPPKP ZNE 19			
AUG 12	AFI	EP Z 11 36 42			
		ES ZNE 57			
AUG 12	12 57 09.7	5.2S 152.1E	42KM	5.9	NEW BRITAIN
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
SUV	EP	Z 13 03 13	29		
	AFI	EP ZNE 13 04 20	37		
		ES ZNE 09 58			
		EL ZNE 12 56			
	RAR	EP Z 13 06 07	49		
		ES ZNE 13 05			
		ESS N 16 00			
		ESSS Z 50			
		ELU NE 18 16			
		ELR ZE 19			
	SBA	EP ZNE 13 08 37	73	-0.96	6.1
		ES ZNE 18 02			
		ESS ZNE 22 38			
		ELR ZN 31 42		5 18	5 18
		EPKPPKP ZNE 36 11			
AUG 12	SUV	IP Z 17 03 55.8D			
AUG 12	18 04 56.3	15.9S 167.4E	47KM	5.3	NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
SUV	EP	Z 18 07 35	11		
	AFI	EP ZNE 18 09 32	20	-0.29	5.9
		ES ZNE 12 56			
		EL ZE 14 20			
	SBA	EP ZNE 18 15 12	62	-0.71	6.4
		E+PP Z 26			
		ES N 24 16			
		ELU E 30 56			
		ELR ZNE 34 02			
		EPKPPKP ZNE 44 33			
AUG 12	18 23 54	16.4S 167.3E	33KM	4.6	NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
SBA	EP	ZNE 18 34 07	61		
		E+SP Z 20			
AUG 12	19 28 43.6	16.0S 167.0E	29KM	4.9	NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
	AFI	EP ZNE 19 33 20	21		
		ES ZNE 37 44			
		EL ZE 39 00			
	SBA	EP ZNE 19 39 03	62		
AUG 12	19 47 24.2	16.1S 167.3E	33KM	4.7	NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
SBA	EP	ZNE 19 57 42	62	-1.82	5.4

	H M S	EPICENTRE	DEPTH	MAG	
AUG 13	14 03 19	15.8S 166.9E	60KM	4.8	NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
SBA EP		ZNE 14 13 35	62	-1.71	
AUG 13	14 44 32	15.7S 167.0E	33KM		NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
SBA EP		Z 14 54 54	62		
AUG 13	14 51 01	15.6S 166.3E	33KM	4.5	NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
SBA EP		ZNE 15 01 24	62	-1.74	
AUG 13	15 23 20.7	16.9S 167.7E	43KM	4.9	NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
SUV EP		Z 15 25 52	10		
SBA EP		ZNE 15 33 32	61	-1.50	
AUG 13	SUV P	Z 15 41 02			
AUG 13	16 42 03	15.5S 166.7E	33KM	3.8	NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
SBA EP		ZNE 16 52 22	62		
AUG 13	17 55 28	19.2S 166.4E	33KM		NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
SBA EP		Z 18 05 09	59		
AUG 13	17 56 26.7	16.6S 167.6E	33KM	5.4	NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
SUV EP		Z 17 58 58	10		
AFI EP		Z 18 01 01	20	0.09	
ES		NE 04 52			
EL		Z 05 18			
EL		NE 06 26			
RAR ES		Z 18 08 08	31		
EL		ZE 11 15			
SBA IP		ZNE 18 06 41.20	61	-0.96	
ES		ZNE 15 22			
ELQ		E 22 20			
ELR		ZNE 25 26			5 24 4 22
AUG 13	18 01 12	16.5S 167.5E	96KM	5.0	NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
SUV EP		Z 18 03 49	11		
AFI EP		Z 18 05 36	20	-0.45	
SBA EP		ZNE 18 11 20	61		
AUG 13	18 07 26	15.6S 167.0E	33KM	5.4	NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
SBA EP		ZNE 18 17 45	62	-1.50	
PCP		Z 18 15			
AUG 13	18 23 32.1	16.7S 167.6E	33KM	4.6	NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
SBA EP?		Z 18 33 45	61		
IP		ZNE 46.8		-1.19	

	H M S	EPICENTRE	DEPTH	MAG	
AUG 13	19 18 25.1	16.2S 167.0E	12KM	5.2	NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
SUV EP		Z 19 21 16	11		
SBA EP		ZNE 19 28 45	62	-1.30	5.9
AUG 13	20 07 35.7	16.7S 167.9E	33KM	4.9	NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
SBA EP		ZNE 20 17 50	61		
AUG 13	20 10 32	17.2S 167.7E	43KM	4.5	NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
SBA EP		ZNE 20 20 36	61		
AUG 13	21 57 38.4	6.5S 148.6E	51KM	5.6	NEW BRITAIN
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
AFI EP		Z 22 05 06	40	-0.38	6.4
ES		ZNE 11 05			
EL		ZNE 14 22			
EL		ZE 16 42			
SBA EP		ZNE 22 09 02	72		
ES		ZNE 18 26			
ESS		ZNE 26 45			
ELR		ZNE 31 47			3 21 3 18
AUG 14	00 29 01.7	16.6S 167.9E	50KM	4.3	NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
SBA EP		ZNE 00 39 18	61	-1.78	5.4
AUG 14	00 32 03	30.7S 177.9W	33KM	4.7	KERMADEC IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
PAD IP		Z 00 32 27	5		
SUV EP		Z 00 35 12	13		
AFI EP		Z 00 36 03	18		
ES		NE 39 04			
SBA EP		ZNE 00 40 40	48	-1.63	5.3
AUG 14	03 35 54.8	16.5S 167.7E	33KM	4.9	NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
SBA EP		ZNE 07 46 10	61	-1.53	5.7
AUG 14	03 43 25.4	16.0S 167.3E	33KM	3.8	NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
SBA EP		Z 03 53 51	62		
AUG 14	06 35 15.4	19.3S 177.4W	570KM	3.9	FIJI IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
AFI EP		Z 06 37 09	8	0.88	
ES		NE 38 36			
AUG 14	SUV EP	Z 09 07 12			
AUG 14	11 07 46.8	15.8S 166.8E	33KM	5.5	NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN	AE TE MAG
SUV EP		Z 11 10 40	11		
AFI EP		Z 11 12 27	21	-0.46	5.8
ES		ZNE 16 30			

		EL	ZNE	17 42		
RAR	ES	Z	11 19 40	32		
	ELR	ZE	23 07			
SBA	EP	ZNE	11 18 05	62	-0.37	
	S	ZNE	26 39			
	PS	E	28 04			
	SS	E	30 45			
	ELQ	E	33 52			
	ELR	N	3729			
		H M S	EPICENTRE	DEPTH	MAG	
AUG 14		13 18 06.5	11.5S 166.3E	51KM	5.8	SANTA CRUZ IS
	SUV	EP	Z 13 21 26	13		
	I	Z	32.8			
	AFI	EP	Z 13 22 55	22	-0.36	
	E	ZNE	23 07			
	ES	ZNE	26 34			
	EL	ZNE	28 18			
	SBA	EP	ZNE 13 28 51	66	-1.11	
		H M S	EPICENTRE	DEPTH	MAG	
AUG 14		14 13 50.5	22.9S 175.5W	33KM	4.7	TONGA IS
	SUV	EP	Z 14 15 48	7		
	AFI	EP	Z 14 16 06	10		
	E	ZNE	17 44			
	EL	ZNE	18 34			
		H M S	EPICENTRE	DEPTH	MAG	
AUG 14		14 40 24	19.5S 173.7W	48KM	4.6	TONGA IS
	AFI	EP	Z 14 41 41	6		
	ES	ZNE	42 36			
	ET	ZNE	47 23			
	RAO	IP	Z 14 43 17.8	13		
		H M S	EPICENTRE	DEPTH	MAG	
AUG 14		15 06 09	18.0S 178.4W	603KM		FIJI IS
	AFI	EP	Z 15 08 04	8	-0.38	
		H M S	EPICENTRE	DEPTH	MAG	
AUG 14		16 06 46.8	19.6S 178.1W	592KM	4.8	FIJI IS
	SUV	EP	Z 16 08 09	4		
	I	Z	12			
	AFI	EP	Z 16 08 48	8		
	ES	ZNE	10 25			
	SBA	IP	ZNE 16 15 51.7U	59	-1.50	
		H M S	EPICENTRE	DEPTH	MAG	
AUG 14		20 00 12	15.6S 166.7E	33KM	4.7	NEW HEBRIDES IS
	SBA	EP	Z 20 10 35	62		
		H M S	EPICENTRE	DEPTH	MAG	
AUG 14						
AUG 14	SUV	EP	Z 23 10 14			
	AFI	EP	Z 23 10 33			
	ES	ZNE	12 13			
		H M S	EPICENTRE	DEPTH	MAG	
AUG 15		05 43 44.4	22.3S 179.5W	581KM	4.7	S OF FIJI IS
	SUV	IP	Z 05 45 15.5U	5	-0.54	
		H M S	EPICENTRE	DEPTH	MAG	
AUG 15						
AUG 15	AFI	IP	Z 06 10 52			
	IS	ZNE	11 13			

		H M S	EPICENTRE	DEPTH	MAG	
AUG 15		14 21 06.0	16.8S 167.2E	7KM	4.8	NEW HEBRIDES IS
	AFI	EP	Z 14 25 48	20		
	EL	ZNE	31 04			
	SBA	EP	ZNE 14 31 23	61	-1.14	6.1
		H M S	EPICENTRE	DEPTH	MAG	
AUG 15		23 05 58.2	15.5S 172.8W	41KM	5.1	SAMOA IS
	AFI	IP	ZNE 23 06 29	U	2	
	SUV	EP	Z 23 08 06	9		
	RAR	EP	Z 23 09 13	14		
	SBA	EP	ZNE 23 16 24	63	-1.82	5.3
		H M S	EPICENTRE	DEPTH	MAG	
AUG 16		12 16 52.0	5.1N 77.6W	28KM	5.2	W COLUMBIA
	SBA	EP	Z 12 30 38	100		
		H M S	EPICENTRE	DEPTH	MAG	
AUG 16		12 19 37.1	5.1N 77.6W	46KM	5.4	W COLUMBIA
	SBA	EP?	Z 12 33 07	100		
	E(P)	Z	23			
	E	ZN	34 42			
		H M S	EPICENTRE	DEPTH	MAG	
AUG 16		12 36 23.6	0.5S 19.9W	35KM	6.2	CENTRAL ATLANTIC
	SBA	EP	ZNE 12 50 17	102		
	E	ZNE	53 35			
	EPS	N	13 03 35			
	ESS	NE	09 05			
	ELQ	NE	18 05			
	ELR	ZNE	20 56			
	AFI	EPKP	Z 12 56 08	149		
	ESKS	ZNE	13 01 30			
	ESSP	ZNE	18 42			
		H M S	EPICENTRE	DEPTH	MAG	
AUG 16		13 38 48.5	20.6S 178.8W	550KM	4.6	FIJI IS
	SUV	IP	Z 13 40 11	U	4 -0.61	
	AFI	EP	Z 13 40 59	9		
	ES	NE	42 44			
	SBA	EP	Z 13 47 46	58		
	AFI	E	ZNE 13 42 00			
	E	ZE	45 12			
	EL	NE	46 18			
	EL	N	48 24			
	EL	ZE	51 48			
	AFI	EP	ZNE 14 33 50			
	ES	ZNE	34 43			
		H M S	EPICENTRE	DEPTH	MAG	
AUG 16		14 43 48.0	6.0S 153.9E	78KM	5.4	NEW BRITAIN
	SBA	EP	Z 14 55 04	72	-1.50	5.4
		H M S	EPICENTRE	DEPTH	MAG	
AUG 16		14 44 48	17.4S 167.7E	20KM	4.8	NEW HEBRIDES IS
	SBA	EP	ZNE 14 55 00	60		

H	M	S	EPICENTRE	DEPTH	MAG										
			H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG	
AUG 16	15	52	02	19.0S 177.0W	287KM	3.6									
	AFI	EP	Z	15 53 44		7	-0.65								
		ES	ZNE	55 00											
	SBA	EP	Z	16 01 35		59									
AUG 16	16	37	12.9	19.0S 167.6E	17KM	5.0									
	SUV	EP	Z	16 39 55		10									
	AFI	ES	E	16 45 42		20									
		EL	ZE	47 06											
	SBA	EP	ZNE	16 47 11		59	-1.63								
AUG 16	17	01	26	61.4S 154.5E	33KM										
	SBA	P	ZNE	17 05 20		17	-0.34								
		ES	NE	08 22											
		EL	Z	09 20											
	AFI	EP	Z	17 10 44		53									
		ES	ZNE	18 28											
		ESS	E	23 24											
		EL	N	24 12											
			Z	25 12											
AUG 16	17	47	31.4	17.2S 167.8E	4KM										
	SBA	EP	ZNE	17 57 45		61									
AUG 16	17	51	34.8	17.3S 167.7E	17KM	5.1									
	SUV	E	Z	17 54 26		10									
	AFI	EP	Z	17 56 10		20	-0.17								
		ES	ZE	18 01 12											
	SBA	EP	ZNE	18 01 47		61	-1.34								
AUG 16	AFI	EP	Z	19 48 00											
AUG 16	AFI	EP	Z	20 25 20											
		ES	NE	56											
		ET	ZNE	28 54											
AUG 16	22	59	22.9	17.3S 167.8E	34KM	5.3									
	SUV	E(P)	Z	23 01 59		10									
	AFI	EP	Z	23 03 56		20	-0.29								
		ES	E	07 50											
		ELQ	N	08 16											
		ELR	ZE	54											
	SBA	P	ZNE	23 09 32		61	-1.26								
AUG 17	AFI	IP	Z	00 11 13.8U											
		IS	ZNE	37.0											
AUG 17	AFI	IP	ZNE	00 57 00.2D											
		IS	ZNE	30											
AUG 17	10	35	04.4	5.3N 96.2E	43KM	5.4									
	SBA	EP	ZNE	10 48 07		91									

H	M	S	EPICENTRE	DEPTH	MAG										
			H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG	
	ES	ZNE	59 07												
	ESS	E	11 04 31												
	ELQ	N	12 08												
	ELR	ZNE	17 14							5 24				3 22	
	AFI	ES	NE	10 59 36		93									
	ESS	ZNE	11 05 42												
	ESSS	ZN	09 42												
	E	N	12 36												
	EL	N	15 24												
	EL	ZE	20 00												
AUG 17	11	14	10.4	5.2S 152.6E	47KM	5.8									
	SBA	EP	ZNE	11 25 43		73									
AUG 17	12	14	30.9	20.6S 177.8W	501KM	4.2									
	SUV	IP	Z	12 15 55.8U		4	-0.17								
	AFI	IP	Z	12 16 35		9									
		ES	ZNE	18 12											
	SBA	EP	Z	12 23 35		58									
AUG 17	13	04	31.6	6.7S 147.0E	95KM	5.4									
	SBA	EP	ZNE	13 15 47		72									
AUG 17	16	17	41.5	15.2S 166.6E	19KM	5.8									
	SUV	EP	Z	16 20 37		12									
	AFI	EP	Z	16 22 27		21	-0.18								
		ES	ZNE	26 14											6.1
	SBA	EP	ZNE	16 28 07		63	-0.80								6.4
		EL	ZNE	45 58											
AUG 17	AFI	EP	Z	20 00 49											
		ES	ZNE	01 34											
AUG 17	20	28	59	15.2S 166.6E	15KM	4.1									
	SBA	EP	Z	20 39 26		63									
AUG 17	20	45	33.6	21.1S 69.1W	110KM	4.8									
	SBA	EP	ZNE	20 57 12		76	-1.65								5.2
AUG 17	20	57	03.4	15.3S 166.6E	33KM	4.5									
	SBA	EP	Z	21 07 27		63									
AUG 17	22	07	43	16.9S 173.4W	163KM	4.0									
	AFI	EP	Z	22 08 12		3									
		ES	ZNE	46											
		ET	ZNE	13 18											
AUG 17	22	18	52.5	20.4S 168.8E	33KM	5.2									
	SUV	EP	Z	22 21 11		9									

		ZNE	22 23 28	20						
		ZNE	28 36							
		ZNE	22 28 40	58 -1.44						
		H M S	EPICENTRE	DEPTH	MAG					
AUG 18	03 19 43.2	15.2S 166.6E	42KM	4.8	NEW HEBRIDES IS					
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE				
		ZNE	03 30 06	63						
		Z	03 23 26	-0.23						
		ZNE	45							
		H M S	EPICENTRE	DEPTH	MAG					
AUG 18	05 56 54.9	17.3S 167.6E	26KM	4.7	NEW HEBRIDES IS					
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE				
		ZNE	04 07 06	61 -1.81						
		H M S	EPICENTRE	DEPTH	MAG					
AUG 18	08 10 27	16.2S 167.2E	33KM		NEW HEBRIDES IS					
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE				
		ZNE	08 20 44	62						
		H M S	EPICENTRE	DEPTH	MAG					
AUG 18	10 01 48.1	37.9S 73.6W	33KM	4.8	CENTRAL CHILE					
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE				
		ZNE	10 11 46	59 -1.78						
		Z	11 55 41							
		Z	57 07							
		H M S	EPICENTRE	DEPTH	MAG					
AUG 18	12 04 18	16.4S 167.2E	33KM		NEW HEBRIDES IS					
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE				
		ZNE	12 14 33	61						
		H M S	EPICENTRE	DEPTH	MAG					
AUG 18	14 14 35.4	23.3S 175.5W	76KM	4.9	TONGA IS					
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE				
		Z	14 16 28.5	8						
		Z	14 16 02	10						
		Z	17 09							
		ZNE	14 17 45	15						
		N	20 25							
		Z	21 15							
		ZNE	14 24 04	55 -1.08						
		ZNE	41 14							
		H M S	EPICENTRE	DEPTH	MAG					
AUG 18	14 25 26.0	23.2S 175.5W	63KM	4.9	TONGA IS					
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE				
		Z	14 27 20	8						
		Z	14 26 52.5	10						
		Z	28 07							
		Z	14 27 07	10						
		ZNE	29 10							
		ZNE	14 28 38	15						
		N	31 17							
		Z	32 40							
		ZNE	14 34 57	55						
		H M S	EPICENTRE	DEPTH	MAG					
AUG 18	14 29 00.7	23.1S 175.6W	104KM	4.3	TONGA IS					
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE				
		Z	14 30 49	7						
		Z	14 30 11.5	10						
		Z	31 38							
		Z	14 31 07	10						

		ZNE	32 46							
		ZNE	37 37							
		ZNE	14 32 09	15						
		ZNE	14 38 28	55						
		Z	14 29 24							
		H M S	EPICENTRE	DEPTH	MAG					
AUG 18	14 38 39.1	23.3S 175.5W	89KM	4.6	TONGA IS					
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE				
		Z	14 40 29	8						
		Z	14 40 18	10						
		Z	41 09							
		Z	14 40 44	10						
		ZNE	42 29							
		ZNE	14 41 49	15						
		ZNE	14 48 19	55						
		H M S	EPICENTRE	DEPTH	MAG					
AUG 18	14 51 30.5	16.1S 166.9E	11KM	5.7	NEW HEBRIDES IS					
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE				
		Z	14 54 19	11						
		Z	14 56 01	21						
		Z	14 56 15	U	21 -0.15					
		ZNE	15 00 18							
		ZNE	15 01 52	62 -0.48						
		ZNE	10 18							
		E	17 38							
		ZNE	20 38	7 19	6 20	5 16				
		Z	31 14							
		H M S	EPICENTRE	DEPTH	MAG					
AUG 18	15 41 04.0	23.8S 177.5W	255KM	3.9	FIJI IS					
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE				
		Z	15 42 44	7						
		ZNE	15 44 03	17						
		ZN	15 49 17	55						
		H M S	EPICENTRE	DEPTH	MAG					
AUG 18	15 56 17	23.2S 175.5W	93KM	4.3	TONGA IS					
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE				
		Z	15 58 08	8						
		Z	15 57 41	10						
		Z	58 57							
		Z	15 58 26	10						
		ZNE	16 00 08							
		ZNE	15 59 28	15						
		Z	16 05 48	55						
		H M S	EPICENTRE	DEPTH	MAG					
AUG 18	23 40 54	16.8S 172.8W	33KM	4.5	SAMOA IS					
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE				
		Z	23 41 36	3						
		ZNE	42 13							
		ZNE	45 45							
		Z	23 43 50	13						
		Z	23 51 12	62						
		Z	05 57 21							
		ZNE	59							
		ZNE	06 00 10							
		H M S	EPICENTRE	DEPTH	MAG					
AUG 19	08 22 17.0	23.2S 175.2W	33KM	4.7	TONGA IS					
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE				
		Z	08 24 14	8						
		ZNE	08 25 33	14 -1.12						

DATE	TIME	STATION	EPICENTRE		DEPTH	MAG	LOCATION	STATION DATA											
			H	M				S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
AUG 21	01 08 11		32.3S	178.2W	33KM	4.9	S OF KERMADEC IS												
		RAO	IP	Z	01 08 56	U	4												
		AFI	EP	ZNE	01 12 36		19												
		SBA	EP	ZNE	01 16 32		46												
		EPCP		ZNE	18 09														
AUG 21	03 17 52.8		22.1S	179.5W	582KM	4.5	S OF FIJI IS												
		SUV	IP	Z	03 19 22	U	4												
		E		Z	20 00														
		ES		Z	20 36														
		SBA	P	ZNE	03 26 41		56	-1.73											
		E*SP		ZN	29 37														
AUG 21		RAO	EP	Z	03 21 08														
		ES		Z	22 35														
AUG 21		AFI	EP	Z	03 44 57														
		ES		ZNE	45 20														
AUG 21	05 13 07		7.8S	129.4E	200KM	5.2	BANDA SEA												
		SBA	EP	ZNE	05 24 12		73												
AUG 21	06 00 55.4		13.6S	166.7E	65KM	4.6	NEW HEBRIDES IS												
		SUV	EP	Z	06 03 56		12												
		SBA	EP	ZNE	06 11 25		64	-1.82											
AUG 21	08 05 35.6		5.2S	152.3E	46KM	5.2	NEW BRITAIN												
		SBA	EP	ZNE	08 17 11		73												
AUG 21	10 10 42		15.3S	166.4E	33KM	4.5	NEW HEBRIDES IS												
		SBA	EP	Z	10 21 07		63												
AUG 21	12 54 33.3		15.2S	166.6E	49KM	4.6	NEW HEBRIDES IS												
		SBA	EP	ZN	13 04 56		63												
AUG 21	12 59 10		17.5S	178.2W	542KM	4.9	FIJI IS												
		SUV	EP	Z	13 00 27		3												
		AFI	EP	Z	13 01 00		7												
		ES		NE	02 28														
		SBA	EP	Z	13 08 33		61												
AUG 21	15 04 20.3		5.8S	104.2E	57KM	5.4	S SUMATRA												
		SBA	EP	ZNE	15 16 17		79												
AUG 21	18 50 15.7		18.0S	178.4W	576KM	5.9	FIJI IS												
		SUV	EP	Z	18 51 34.5		3												

		AFI	EP	Z	18 52 09		8												
		ES		NE	53 37														
		RAO	EP	Z	18 52 46		14												
		ES		Z	54 50														
		SBA	P	ZNE	18 59 32		60												
AUG 21		AFI	IP	Z	20 19 00.50														
		ES		ZNE	31														
AUG 21		RAO	IP	Z	21 20 00		D												
		E		Z	17														
		ES		Z	21 12														
		AFI	E(L)	ZE	21 26 48														
AUG 21	23 13 10		16.4S	167.2E	14KM			NEW HEBRIDES IS											
		SBA	EP	ZN	23 23 37		61												
AUG 22	03 20 36.0		43.1S	170.8E	33KM	4.8		SOUTH IS NZ											
		SBA	EP	ZNE	03 27 25		35												
		EL		NE	37 26														
AUG 22	03 48 49.2		28.0S	176.2W	33KM	5.2		KERMADEC IS											
		RAO	EP	Z	03 49 21		6												
		E		Z	50 31														
		ES		Z	51 31		11												
		SUV	EP	Z	03 51 31		15												
		AFI	EP	N	03 52 26														
		ES		ZNE	55 08														
		EL		NE	57 00														
		ET		ZNE	04 08 08														
		RAR	EP	ZNE	03 52 36		16												
		ES		NE	55 29														
		SBA	EP	ZNE	03 57 47		51												
		ELR		ZNE	04 13 36														
AUG 22	04 47 30.7		33.6S	179.2W	33KM	5.0		S OF KERMADEC IS											
		SBA	EP	ZNE	04 55 44		45	-1.81											
		(+PP)		Z	56														
		PCP		ZNE	57 23														
AUG 22	07 52 54		8.4S	121.9E	289KM	4.5		FLORES IS											
		SBA	EP	ZNE	08 04 03		73												
AUG 22		SUV	EP	Z	09 43 47														
AUG 22	10 39 42.4		29.0S	175.8W	17KM	5.2		KERMADEC IS											
		RAO	IP	Z	10 40 11		U	6											
		ES		Z	33														
		SUV	EP	Z	10 42 36.5		12												
		AFI	ES	ZNE	10 46 16		15												
		RAR	EP	Z	10 43 25		16												
		ES		Z	35														
		SBA	EP	ZE	46 10														
				ZNE	10 48 35		50	-1.50											

	H M S	EPICENTRE	DEPTH	MAG	
AUG 24	19 26 31.2	10.9S 162.4E	66KM	5.1	SOLOMON IS
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	SUV EP	Z 19 30 42	17		
	SBA P	ZNE 19 37 19	67	-1.63	
AUG 24	22 22 21.2	25.0S 179.1W	393KM	4.4	S OF FIJI IS
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	SUV P	Z 22 24 09	7		
	RAO IP	Z 22 23 38	U	8	
	ES	Z 24 29			
	SBA EP	ZNE 22 31 05	53	-1.82	
AUG 25	03 00 30.2	19.9S 176.1W	261KM	4.5	FIJI IS
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	SUV P	Z 03 01 53	5	-0.43	
	AFI EP	Z 03 02 21	7		
	ES	ZNE 03 18			
	SBA IP	ZNE 03 10 05.6U	59	-1.52	
AUG 25	AFI IP	Z 09 03 55.5U		-0.37	
	ES	ZNE 04 36			
AUG 25	12 38 41.1	23.0S 175.9W	66KM	4.5	TONGA IS
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	SUV EP	Z 12 40 27	7		
	RAR EP	Z 12 42 12	15		
	ES	ZNE 44 41			
	ET	ZNE 56 51			
AUG 25	14 27 39.7	22.1S 114.2W	33KM	4.9	EASTER IS
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	SBA EP	ZNE 14 38 27	66		
AUG 25	14 50 36.0	17.5S 69.8W	147KM	4.9	PERU-BOLIVIA
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	SBA IP	ZNE 15 02 29.5D	80	-1.50	
AUG 25	AFI EL	Z 14 53 06			
AUG 25	SUV EP	Z 16 47 02			
AUG 26	06 55 58	16.7S 166.9E	33KM		NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	SBA EP	Z 07 06 09	61		
AUG 26	09 56 44	17.9S 178.5W	565KM		FIJI IS
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	SUV EP	Z 09 58 00	3		
	AFI EP	Z 09 58 38	8		
AUG 26	10 17 22.2	15.5S 167.2E	38KM	4.3	NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	SBA EP	ZNE 10 27 43	62		
AUG 26	AFI IP	Z 12 18 07.6D			
	IS	NE 25			
AUG 26	SUV EP	Z 18 51 13			

	H M S	EPICENTRE	DEPTH	MAG	
AUG 27	06 33 37	15.9S 174.2W	128KM	3.8	TONGA IS
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	AFI IP	Z 06 34 25.4U	3	0.07	
	ES	ZNE 58			
	SBA EP	ZNE 06 43 50	63	-1.82	5.2
AUG 27	18 22 07.0	44.6N 149.1E	75KM	5.4	KURILE IS
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	SBA EPKP	Z 18 40 54	123		
AUG 27	20 26 20.2	16.1S 167.3E	38KM	4.2	NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	SBA EP	Z 20 36 47	62		
AUG 27	SUV EP	Z 22 56 40			
AUG 28	00 26 38.1	32.3N 138.1E	33KM	4.9	S AUSTRALIA
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	SBA EP	ZNE 00 35 24	111		
AUG 28	AFI EP	Z 15 01 48			
	ES	NE 02 30			
	ET	ZNE 06 06			
	RAR EP	Z 15 03 34			
AUG 28	18 31 11.5	27.6S 177.9W	205KM	4.5	KERMADEC IS
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	RAO EP	Z 18 31 40	6		
	SUV EP	Z 18 33 30.5	10		
	AFI EP	Z 18 34 21	15		
	ES	NE 36 52			
	SBA EP	ZNE 18 39 53	51	-1.71	4.9
	E*PP	Z 40 33			
AUG 28	AFI IP	Z 18 38 57	U	-0.85	
	ES	NE 39 49			
AUG 28	19 49 57.0	5.7S 152.9E	70KM	4.8	NEW BRITAIN
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	SBA EP	ZNE 20 01 18	72		
AUG 28	23 59 00	15.9S 173.1W	44KM	4.3	TONGA IS
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	AFI EP	Z 23 59 36	2		
	ES	ZNE 24 00 06			
	RAR P	ZNE 24 02 03	14		
	ES	N 05 16			
	ET	ZNE 15 34			
AUG 29	02 35 01.5	19.1S 167.6E	33KM	5.0	NEW HEBRIDES IS
		H M S	DIR DIS LG A/T	AZ TZ	AN TN AE TE MAG
	SBA EP	ZN 02 45 08	59		
AUG 29	AFI EP	Z 04 18 08			
	ES	NE 50			

	H	M	S	EPICENTRE	DEPTH	MAG									
AUG 29	08	41	55.1	21.2S 179.2W	615KM	5.0	FIJI IS								
				H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG						
	SUV	EP	Z	08 43 21.5		4									
	RAO	EP	Z	08 43 55		11									
		ES	Z	45 33											
	SBA	P	ZNE	08 50 47		57	-1.65								
AUG 29	10	31	27.4	4.1S 140.2E	32KM	5.5	W NEW GUINEA								
				H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG						
	SBA	EP	ZNE	10 43 07		75									
AUG 29	12	46	30.1	15.7S 167.6E	10KM	6.0	NEW HEBRIDES IS								
				H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG						
	SUV	EP	Z	12 49 08		11									
	RAR	ES	Z	12 58 10		31									
		EL	ZNE	13 01											
	SBA	EP	ZNE	12 56 54		62	-1.45								
		ELQ	E	13 12 49											
		ELR	ZN	15 54											
AUG 29	12	55	35.9	15.8S 167.6E	33KM	5.8	NEW HEBRIDES IS								
				H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG						
	SUV	EP	Z	12 58 08		11									
	SBA	EP	ZNE	13 05 56		62									
		(*PP)	Z	06 04											
AUG 29	13	47	47	15.9S 167.6E	33KM	4.4	NEW HEBRIDES IS								
				H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG						
	SBA	EP	ZNE	13 58 14		62									
AUG 29	13	57	23.5	17.6S 179.1W	614KM	5.6	FIJI IS								
				H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG						
	SUV	EP	Z	13 58 35		2									
		ES	Z	59 42											
	RAO	EP	Z	13 59 52		15									
		ES	Z	14 02 00											
	SBA	IP	ZNE	14 06 38.8D		61	-0.98								
AUG 29	14	08	02.2	15.8S 167.6E	11KM	4.7	NEW HEBRIDES IS								
				H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG						
	SUV	EP	Z	14 10 47		11									
	SBA	EP	ZNE	14 18 29		62	-1.93								
AUG 29	17	25	24	19.6S 176.2W	311KM	4.6	FIJI IS								
				H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG						
	SUV	EP	Z	17 26 41.5		5									
	SBA	EP	ZNE	17 34 54		59	-1.82								
AUG 29	18	31	24.6	15.7S 167.6E	14KM	5.1	NEW HEBRIDES IS								
				H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG						
	SUV	E	Z	18 34 19		11									
	SBA	EP	ZNE	18 41 49		62									
AUG 29	19	49	23	16.4S 167.1E	101KM	4.8	NEW HEBRIDES IS								
				H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG						
	SBA	EP	ZN	19 59 37		61									

DISTANT EARTHQUAKES - OVERSEAS STATIONS

	H	M	S	EPICENTRE	DEPTH	MAG									
AUG 30	00	56	07.2	16.9S 167.2E	20KM	5.0	NEW HEBRIDES IS								
				H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG						
	SBA	EP	ZNE	01 06 22		61	-1.17								
AUG 30	01	26	05.2	16.9S 167.4E	33KM	4.7	NEW HEBRIDES IS								
				H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG						
	SBA	EP	ZNE	01 36 18		61	-1.34								
AUG 30	02	16	39.9	17.1S 167.2E	18KM	4.9	NEW HEBRIDES IS								
				H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG						
	SBA	EP	ZNE	02 26 56		61									
AUG 30	03	32	01.5	16.9S 167.4E	10KM	5.5	NEW HEBRIDES IS								
				H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG						
	SUV	EP	Z	03 34 41		11									
	RAR	EP	ZE	03 38 20		31									
		EPP	E	39 27											
		ES	Z	43 35											
	ELR	ZE	47 08												
	SBA	EP	ZNE	03 42 17		61	-0.80								
		ES	E	50 44											
		ELQ	E	59 42											
		ELR	ZN	04 03 37											
AUG 30	03	48	00	16.8S 167.4E	12KM		NEW HEBRIDES IS								
				H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG						
	SBA	EP	ZNE	03 58 22		61									
AUG 30	05	44	51.0	16.8S 167.5E	10KM	4.5	NEW HEBRIDES IS								
				H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG						
	SBA	EP	ZNE	05 55 07		61									
AUG 30	09	28	19.5	8.8S 117.5E	39KM	5.1	SUMBAWA IS								
				H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG						
	SBA	P	ZNE	09 39 50		73	-1.65								
AUG 30	14	00	55.5	5.5N 125.9E	118KM	5.4	PHILIPPINE IS								
				H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG						
	SBA	EP	ZNE	14 13 25		86									
AUG 30	17	17	59	18.5S 177.7W	504KM		FIJI IS								
				H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG						
	SUV	EP	Z	17 19 15		4									
	AFI	EP	Z	17 19 49		7									
AUG 30	18	09	45.2	6.4S 104.8E	81KM	6.1	SUNDA STRAIT								
				H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG						
	SBA	EP	Z	18 21 37		78									
		E	ZNE			52									
AUG 30	AFI	IP	Z	22 35 23.4U											
		IS	NE			43									

	H	M	S	EPICENTRE	DEPTH	MAG										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG	
AUG 31	03	45	55	8.0N 94.2E	67KM	5.0										
	SBA	EP	Z	03 59 08		94										
AUG 31	08	04	33	43.4N 144.5E	19KM	4.8										
	AFI	ESSS	E	08 32 38		70										
		ELQ	N	34 30												
		ELR	ZN	37 12												
AUG 31	10	49	30	56.1S 4.7W	33KM	4.4										
	SBA	EP	ZNE	10 57 53		46										
AUG 31																
	AFI	E	E	16 37 30												
			E	42 36												
			EL	45 18												
AUG 31	16	36	35.8	15.5S 166.8E	33KM	5.6										
	SUV	E	Z	16 39 42		11										
	SBA	IP	ZNE	16 46 58.00		62										
AUG 31	17	43	20.2	16.1S 167.2E	10KM	4.4										
	SBA	EP	ZN	17 53 43		62										
AUG 31																
	AFI	IP	Z	20 44 39		U										
			E(S)	NE		47 19										
AUG 31	22	44	14	18.0S 173.1W	33KM	4.8										
	AFI	EP	Z	22 45 15		4										
			ES	NE		46 04										
	RAR	P	Z	22 47 00		13										
	SBA	EP	ZN	22 54 21		61										
AUG 31																
	AFI	EP	Z	22 49 52												
			ES	ZNE		58										
SEP 01	04	29	20.6	51.3N 150.7E	519KM	5.1										
	SBA	EPKP	ZNE	04 47 29		129										
		E*PPKP	Z	49 34												
		E	ZNE	50 00												
SEP 01	04	47	35.0	34.5S 179.7E	107KM	5.7										
	RAO	IP	Z	04 48 51		U										
			ES	Z		49 53										
	SUV	EP	Z	04 51 19		16										
	AFI	EP	ZNE	04 52 16		22										
			ES	NE		56 08										
			EL	ZNE		57 12										
			ET	ZNE		05 08 00										
	RAR	P	ZNE	04 52 25.9D		22										
		E(+SP)	Z	48												
		ES	ZNE	56 22												

	ET	ZNE	05	13												
	SBA	IP	ZNE	04 55 32.4U	44	0.09										6.9
	ES	N	05	02 29												
	ESS	E	05	30												
SEP 01	06	38	36.2	14.5S 167.4E	190KM	5.6										
	SUV	EP	Z	06 41 17		11										
			E	24												
			ES	Z		43 15										
	AFI	IP	Z	06 43 00	D	20										6.3
			ES	ZNE		46 32										
	RAR	EP	Z	06 44 48		32										
	SBA	IP	ZNE	06 48 47.8		63										6.9
SEP 01	07	33	28.0	18.8S 172.5W	44KM	5.0										
	AFI	EP	Z	07 34 28		5										
			E	ZN		35 06										
			ES	E		20										
			ET	ZNE		39 04										
	RAR	EP	ZNE	07 36 14		12										
			ES	ZNE		38 19										
	RAO	EP	Z	07 36 12		14										
			ES	Z		38 15										
	SBA	EP	ZNE	07 43 34		60										
SEP 01	16	31	17.6	17.0S 177.6W	424KM	4.7										
	SUV	EP	Z	16 32 30.5		4										
	AFI	IP	Z	16 32 48	D	6										
			ES	NE		34 03										
	RAO	ES	Z	16 36 10		15										
SEP 01	20	07	26.5	20.3S 173.6W	63KM	5.0										
	AFI	EP	Z	20 08 50		7										
			ES	ZE		09 57										
			ES	N		10 05										
			ET	ZNE		15 08										
	SUV	EP	Z	20 09 21		8										
	RAO	EP	Z	20 09 42		13										
			ES	Z		11 29										
	RAR	EP	ZNE	20 10 19		13										
			ES	ZNE		12 31										
	SBA	EP	ZNE	20 17 20		58										
SEP 01	22	29	14.4	15.8S 167.2E	21KM	4.2										
	SBA	EP	ZNE	22 39 36		62										
SEP 01	23	52	34.7	18.2S 177.9W	609KM	4.3										
	SUV	EP	Z	23 53 57		3										
	RAO	EP	Z	23 55 03		14										
			ES	Z		57 09										
	RAR	EP	Z	23 56 06		17										
	SBA	EP	ZN	24 01 48		60										

	H	M	S	EPICENTRE	DEPTH	MAG									
SEP 05	23	47	36.4	1.4N 123.1E	50KM	4.7	N	CELEBES							
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
	SBA	EP		ZNE 23 59 56			83								
SEP 06	SBA	EP		ZNE 06 33 40											
SEP 06	11	42	41.5	46.7N 152.7E	70KM	5.3		KURILE IS							
	SBA	EPKP		Z 12 01 32			125								
SEP 06	SUV	EP		Z 23 22 51											
SEP 07	06	57	25.8	24.3N 142.6E	23KM	5.2		VOLCANO IS							
	AFI	ES		H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
		EL		ZNE 07 15 19			59								
SEP 07	AFI	E		NE 07 50 00											
		E		Z 55 42											
		E(L)		NE 56 30											
	RAR	EL		ZNE 08 02											
SEP 07	08	28	51.3	15.6S 167.1E	29KM	4.7		NEW HEBRIDES IS							
	SUV	EP		H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
	AFI	EP		Z 08 31 39			11								
		ES		ZNE 08 33 30			20								
		EL		ZNE 37 28											
	SBA	IP		ZNE 08 39 12.0U			62								-0.87
		E*PP		ZNE 20											6.3
SEP 07	AFI	ES		NE 08 54 19											
SEP 07	11	14	06.5	18.5S 177.3W	391KM	5.3		FIJI IS							
	SUV	IP		H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
	AFI	IP		Z 11 15 21			U								4 0.43
		ES		Z 11 15 47			D								7 -0.03
		EL		ZNE 17 03											
	RAR	IP		ZNE 11 17 39.6U			17								-0.74
	SBA	IP		ZNE 11 23 35.3D			60								-0.90
SEP 08	03	26	20.8	57.5N 152.2W	25KM	5.6		KODIAK IS							
	SBA	EPKP		H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
		ELR		ZNE 03 45 44			137								
SEP 08	07	01	33.3	19.2N 145.3E	152KM	5.4		MARIANA IS							
	AFI	EP		H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
				Z 07 10 40			54								
SEP 08	AFI	EP		ZNE 08 50 52											
SEP 08	11	16	32.0	55.8N 155.3W	14KM	5.5		S OF ALASKA							
	AFI	ES		H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
		ESSS		ZNE 11 37 08			71								
		EL		NE 45 18											
		EL		ZN 48 48											
		E		E 50 12											

	H	M	S	EPICENTRE	DEPTH	MAG									
SEP 08	11	45	42.1	27.2S 176.7W	70KM	5.2		KERMADEC IS							
	RAO	IP		H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
		ES		Z 11 46 18			U								6
		ES		Z 49											
	SUV	EP		Z 11 48 05			10								
	AFI	EP		ZNE 11 48 45			14								
		ES		ZNE 51 06											
		ET		ZNE 12 01 28											
	RAR	EP		ZNE 11 49 20			17								
		E(S)		NE 52 08											
		EL		ZNE 53 08											
		ET		ZNE 12 05 40											
	SBA	EP?		ZN 11 54 39			51								
		EP		ZNE 43											
SEP 08	14	13	11.8	15.4S 166.6E	6KM	5.1		NEW HEBRIDES IS							
	AFI	EP		H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
		ES		Z 14 18 01			21								
		ES		ZNE 21 48											
	SBA	EP		ZNE 14 23 38			62								
SEP 08	14	29	25	28.8S 179.1W	137KM	4.3		KERMADEC IS							
	SUV	EP		H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
	AFI	EP		Z 14 32 00			11								
		ES		Z 14 33 07			16								-0.88
		ES		NE 35 33											5.3
SEP 08	AFI	EP		Z 16 14 26											
		ES		NE 56											
		ET		ZNE 17 11											
SEP 09	10	02	25.1	6.5N 84.4W	22KM	5.6		CENTRAL AMERICA							
	RAR	ES		H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
		ELQ		NE 10 24 35			79								
		ELR		E 35 35											
		ELR		ZN 38 30											
	AFI	EP		Z 10 15 24			89								-0.21
		ES		NE 25 58											7.1
		ESS		NE 32 08											
		ESSS		N 35 18											
		EL		NE 39 06											
		EL		ZE 42 42											
	SBA	EPP		ZNE 10 20 16			100								
		EPS		ZNE 29 21											
		ESS		ZNE 34 51											
		ESSS		ZNE 38 35											
		ELQ		NE 44 14											
		ELR		ZE 47 06											
SEP 10	05	07	22	15.4S 172.6W	38KM	4.2		SAMOA IS							
	SBA	EP		H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
				Z 05 17 49			63								
SEP 10	07	19	28.4	15.9S 167.2E	38KM	5.1		NEW HEBRIDES IS							
	SBA	P		H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
				ZNE 07 29 46			62								

H M S		EPICENTRE		DEPTH	MAG									
H M S		H M S		DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
SEP 16	00 42 05.3	5.5S	154.3E	115KM	5.3	SOLOMON IS								
SBA	P	ZNE	00 53 23		73									
SEP 16	SUV EP	Z	09 06 43											
	E	Z	07 14											
H M S		EPICENTRE		DEPTH	MAG									
H M S		H M S		DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
SEP 16	13 50 12.4	7.1N	126.6E	183KM	6.0	PHILIPPINE IS								
AFI	EP	ZNE	14 00 33		65									
	ES	NE	09 00											
	ESCS	NE	10 14											
	ESSS	ZNE	17 12											
	EL	ZNE	19 12											
SBA	P	ZNE	14 02 42		88									
	*PP	ZNE	03 20											
	S	E	13 11											
SEP 16	SUV EP	Z	14 06 00											
H M S		EPICENTRE		DEPTH	MAG									
H M S		H M S		DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
SEP 16	16 20 22.8	20.9S	178.7W	560KM	5.0	FIJI IS								
SUV	P	Z	16 21 45.5		4									
AFI	EP	Z	16 22 34		10									
	ES	NE	24 15											
SBA	P	ZN	16 29 21		57									
H M S		EPICENTRE		DEPTH	MAG									
H M S		H M S		DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
SEP 16	21 02 40.8	15.3S	168.4E	25KM	4.9	NEW HEBRIDES IS								
SBA	P	ZNE	21 13 04		63									
H M S		EPICENTRE		DEPTH	MAG									
H M S		H M S		DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
SEP 17	08 19 54.8	23.3S	179.2E	561KM	5.2	S OF FIJI IS								
SUV	IP	Z	08 21 28.2U		5	0.48								
	E	Z	22 15											
	E(S)	Z	34											
RAO	IP	Z	08 21 40		10									
	ES	Z	23 01											
AFI	IP	Z	08 22 37.6D		13	-0.55								
	ES	NE	24 45											
SBA	IP	ZNE	08 28 35.6U		55	-0.31							6.1	
H M S		EPICENTRE		DEPTH	MAG									
H M S		H M S		DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
SEP 17	08 44 47.6	21.0S	178.9W	610KM	4.3	FIJI IS								
AFI	EP	Z	08 47 04		10									
	ES	NE	48 47											
RAO	ES	Z	08 48 36		11									
SEP 17	AFI EP	Z	09 28 16											
	E(S)	NE	29 43											
H M S		EPICENTRE		DEPTH	MAG									
H M S		H M S		DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
SEP 17	11 13 56.4	1.5S	77.7W	191KM	6.2	ECUADOR								
RAR	P	Z	11 25 59		82	-0.37	9	9						6.5
	E*PP	Z	26 38											
	ES	ZNE	36 05											
	ESP	E	37 09											
	E*SS	N	48 22											
	ELQ	N	48 30											

H M S		EPICENTRE		DEPTH	MAG									
H M S		H M S		DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
SBA	IP	ZNE	11 26 53.8D		94									
	EPP	Z	30 42											
	ESKS	E	37 13											
	EPS	NE	39 13											
	ESS	N	45 18											
	ESSS	E	49 17											
	ELQ	N	52 32											
AFI	EP	Z	11 26 54		94	-0.29							6.9	
	EPCP	Z	27 40											
	EPP	ZE	30 38											
	E	E	31 40											
	E	N	36 26											
	E	NE	37 16											
	ES	ZE	38 51											
	E	N	39 23											
	E	ZNE	44 00											
	ESS	N	45 52											
	E	NE	51 24											
	EL	ZE	58 00											
SUV	EP	Z	11 27 16		103									
H M S		EPICENTRE		DEPTH	MAG									
H M S		H M S		DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
SEP 17	13 27 14.4	21.4S	178.1W	411KM	4.9	FIJI IS								
AFI	EP	Z	13 29 23		10	-0.43								
	ES	NE	31 06											
RAO	ES	Z	13 30 37		11									
RAR	IP	ZE	13 30 51		U	17								
H M S		EPICENTRE		DEPTH	MAG									
H M S		H M S		DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
SEP 17	14 22 37.7	36.3N	141.4E	36KM	5.6	E HONSHU JAPAN								
AFI	ES	NE	14 42 26		67									
	EL	ZNE	53 00											
H M S		EPICENTRE		DEPTH	MAG									
H M S		H M S		DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
SEP 17	15 18 35.2	36.4N	141.4E	32KM	5.5	E HONSHU JAPAN								
AFI	ES	NE	15 38 38		67									
	EL	ZNE	48 48											
H M S		EPICENTRE		DEPTH	MAG									
H M S		H M S		DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
SEP 17	15 48 55.1	13.7S	167.2E	209KM	4.8	NEW HEBRIDES IS								
AFI	EP	Z	15 53 18		20	-0.46							6.0	
H M S		EPICENTRE		DEPTH	MAG									
H M S		H M S		DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
SEP 17	16 21 19.3	36.3N	141.3E	40KM	6.2	E HONSHU JAPAN								
SUV	EP	Z	16 32 10		65									
AFI	EP	Z	16 32 09		67									
	ES	ZNE	41 00											
	ESSS	ZNE	48 36											
	EL	ZNE	51 30											
RAR	EP	Z	16 33 23		80									
	ES	ZNE	43 08											
	ELR	ZNE	57 24											
SBA	EPKP	ZNE	16 39 57		115									
	EPP	ZNE	41 08											
	ESKS	N	46 42											
	ESKKS	NE	48 00											
	EPS	NE	50 39											
	ESS	NE	56 51											
	ESSS	NE	17 00 45											
	ELQ	NE	08 02											
SEP 17	AFI EP	Z	19 56 20											

		ES	NE	51								
SEP 17	AFI EP	Z	21 15 10									
	ES		45									
SEP 17	H M S	EPICENTRE		DEPTH	MAG							
	22 54 29.3	12.6S	166.3E	60KM	5.1	SANTA CRUZ IS						
	AFI EP	Z	22 59 13	DIR DIS LG A/T AZ TZ AN TN AE TE MAG								
	ES	ZNE	23 03 15	21 -0.73		5.5						
	EL	ZE	05 35									
	SBA P	ZNE	23 05 06	65								
SEP 18	RAO EP	Z	17 52 59									
	ES	Z	53 23									
SEP 18	H M S	EPICENTRE		DEPTH	MAG							
	22 03 15.4	8.3N	126.9E	56KM	5.8	PHILIPPINE IS						
	AFI EP	Z	22 13 36	DIR DIS LG A/T AZ TZ AN TN AE TE MAG								
	EPP	NE	16 24	65								
	ES	ZNE	22 00									
	EL	NE	30 08									
	EL	ZNE	33 00									
	SBA P	ZNE	22 16 07	89								
	SKS	NE	26 52									
SEP 18	H M S	EPICENTRE		DEPTH	MAG							
	23 17 00.0	1.9N	126.6E	48KM	5.1	MOLUCCA PASSAGE						
	SBA EP	ZNE	23 29 20	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		83						
SEP 19	H M S	EPICENTRE		DEPTH	MAG							
	01 08 26.4	15.0S	173.5W	33KM	4.7	TUNGA IS						
	AFI IP	Z	01 08 53.5D	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		2						
	IS	NE	09 05									
	RAR IP	Z	01 11 41.2D	14 -0.68								
	ES	ZNE	14 09									
	ET	ZNE	25 42									
SEP 19	H M S	EPICENTRE		DEPTH	MAG							
	01 16 50	20.8S	175.5W	74KM	4.3	TUNGA IS						
	AFI EP	Z	01 18 43	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		8						
	ES	NE	20 11									
	EL	ZN	21 16									
	RAO E(S)	Z	01 19 50	12								
	RAR IP	ZNE	01 19 48.1DSW	15								
	ES	ZNE	22 07									
SEP 19	H M S	EPICENTRE		DEPTH	MAG							
	01 26 50.1	22.3S	174.8W	13KM	5.5	TUNGA IS						
	SUV EP	Z	01 28 47	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		8						
	AFI EP	Z	01 28 51	9								
	ES	NE	30 22									
	EL	ZNE	31 23									
	ET	ZNE	36 48									
	RAO EP	Z	01 28 40	11								
	ES	Z	30 03									
	RAR IP	ZNE	01 29 58.1DE	14 -0.26								
	ES	ZNE	32 17									
	ELQ	N	28			114 6						
	ELR	ZNE	42			127 4 232 4 289 4						
	SBA IP	ZNE	01 37 35.8D	56								

		H M S	EPICENTRE		DEPTH	MAG							
SEP 19	08 47 42.8	0.8S	99.8E	35KM	5.5	S SUMATRA							
	SBA EP	ZNE	09 00 14	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		84							
SEP 19	09 44 46.5	20.6S	169.8E	126KM	5.0	NEW HEBRIDES IS							
	SUV EP	Z	09 46 51	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		9							
	AFI EP	Z	09 48 58	19									
	SBA IP	ZNE	09 54 23.7U	57									
SEP 19	13 55 40.2	54.5S	135.6W	33KM	4.8	S PACIFIC CORD							
	SBA EP	ZNE	14 01 57	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		31							
	S	ZNE	07 04										
	EL	ZNE	08 28										
	AFI ES	ZNE	14 11 26	49									
	ESS	E	15 30										
	ESSS	N	16 00										
	EL	ZN	17 24										
SEP 19	16 03 10.6	6.3S	151.7E	22KM	5.3	NEW BRITAIN							
	SBA EP	ZNE	16 14 36	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		72							
SEP 19	AFI IP	ZNE	17 37 09 D										
	IS	ZNE	27										
SEP 19	AFI IP	Z	18 58 56.9D	-0.29									
	IS	NE	59 11										
SEP 19	AFI IP	Z	20 26 35.5U	-0.59									
	ES	NE	50										
SEP 20	03 43 35.8	22.7S	175.1W	31KM	5.1	TONGA IS							
	AFI EP	Z	03 45 44	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		9							
	ES	NE	47 14										
	ET	ZNE	55 18										
	RAO EP	Z	03 45 11	10									
	ES	Z	46 34										
	RAR IP	ZNE	03 46 47.9U	14 -1.12									
	ES	ZNE	49 09										
	ET	ZNE	04 01 12										
SEP 20	AFI EP	Z	08 20 42										
	ES	NE	21 08										
	ET	ZNE	22 50										
SEP 20	20 58 03.6	16.1S	172.6W	35KM	4.8	SAMOA IS							
	AFI EP	Z	20 58 36	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		2 -1.15							
	IS	NE	59 00										
	ET	ZNE	21 00 40										
	RAR EP	ZNE	21 01 03	13									
	ES	ZNE	03 25										
	ET	ZNE	14 11										

H	M	S	EPICENTRE	DEPTH	MAG	LOC
H	M	S	DIR DIS LG A/T AZ TZ AN TN AE TE MAG			
SEP 21	00 26 23.8		22.5S 170.4E	26KM	4.7	LOYALTY IS
	SUV EP	Z	00 28 31		9	
SEP 21	RAR EP	ZNE	01 50 50			
	E*PP	ZNE	51 36			
SEP 21	01 38 30.5		29.0N 128.1E	199KM	6.1	EAST CHINA SEA
	E(S)	ZNE	02 01 00			
	EL	ZE	18 13			
	SBA EPKP	ZNE	01 56 39		109	
	E	NE	57 51			
	E(SKS)	NE	02 03 00			
	E(SSP)	NE	12 11			
SEP 21	AFI 1P	ZNE	08 02 55.5U		-0.31	
	ES	ZNE	03 16			
SEP 21	17 02 30.1		22.4S 174.6W	33KM	4.8	TONGA IS
	SUV EP	Z	17 04 25		8	
	AFI EP	Z	17 04 31		9	
	ES	NE	06 02			
	ET	ZNE	13 06			
	RAO EP	Z	17 04 16		11	
	ES	Z	05 37			
	RAR EP	ZNE	17 05 35.5		14	
	E	Z	06 49			
	ES	ZNE	07 56			
	ELQ	N	08 16			
	ELR	ZE	09 08			
	ET	ZNE	20 20			
	SBA EP	Z	17 12 11		56	
SEP 21	AFI EP	Z	17 47 18			
	ES	NE	44			
	ET	ZNE	49 33			
SEP 21	AFI 1P	ZNE	18 15 26.4U			
	ES	ZNE	47			
SEP 22	AFI 1P	Z	04 03 37.3D			
	ES	NE	56			
SEP 22	AFI 1P	Z	05 47 47 U			
	ES	NE	48 08			
SEP 22	09 35 27.9		1.3S 134.0E	31KM	5.6	W NEW GUINEA
	AFI EP	Z	09 45 00		55 -0.41	
	EPP	NE	47 00			
	ES	E	53 22			
	ESSS	N	58 28			
	E	E	59 08			
	EL	ZE	10 01 18			
	RAR EP	ZE	09 46 24		67	
	SBA EP	ZNE	09 47 28		78	
	ES	NE	57 22			
	ELQ	NE	08 00			

H	M	S	EPICENTRE	DEPTH	MAG	LOC
H	M	S	DIR DIS LG A/T AZ TZ AN TN AE TE MAG			
SEP 22	12 39 05		30.9S 177.0W	33KM	4.7	KERMADEC IS
	RAO IP	Z	12 39 39.9D		5	
	ES	Z	40 02			
	AFI EP	Z	12 43 08		18	
	ES	NE	46 15			
	ET	ZNE	13 01 09			
	RAR EP	ZNE	12 43 12		18	
	ES	ZNE	46 20			
	ET	ZNE	13 00 14			
SEP 22	17 09 54.2		9.8S 160.1E	26KM	5.0	SOLOMON IS
	AFI EP	Z	17 17 46		28	
	ES	Z	22 16			
	ESS	ZNE	23 18			
	EL	ZNE	24 36			
	SBA EP	ZNE	17 20 57		68	
SEP 22	17 12 18.1		11.2S 162.1E	33KM	5.2	SOLOMON IS
	SBA EP	ZNE	17 23 13		67	
	EL	NE	44 28			
SEP 22	20 01 49.5		5.3S 151.4E	58KM	6.0	NEW BRITAIN
	AFI EP	Z	20 09 06.5		37 -0.14	
	E	E	10 30			
	ES	ZNE	14 34			
	ESSS	ZNE	17 20			
	EL	ZNE	19 24			
	RAR EP	ZE	20 10 38		50	
	E	ZE	14 43			
	E(S)	ZE	18 09			
	SBA P	ZNE	20 13 14.5		73	
	ES	ZNE	22 42			
	ESSS	N	31 35			
	ELQ	ZN	36 33			
SEP 22	22 08 01.0		36.4N 141.3E	43KM	5.7	E HONSHU JAPAN
	AFI EP	Z	22 18 38		67	
	EPP	ZE	21 12			
	ES	ZNE	27 40			
	ESS	ZN	32 16			
	ESSS	ZNE	35 18			
	EL	ZNE	38 06			
	RAR EP	Z	22 20 17		80 -0.09	
	EL	ZNE	44			
	SBA PKP	ZNE	22 26 44		115	
	PP	ZNE	27 51			
	E(SKS)	N	33 51			
	PS	ZNE	37 22			
	ESS	NE	43 12			
SEP 22	23 38 01.6		12.6S 166.6E	113KM	5.3	SANTA CRUZ IS
	AFI EP	Z	23 42 39		21 -0.21	
	EPCP	Z	43 11			
	ES	ZNE	50 00			

DATE	TIME	STATION	EPICENTRE	DEPTH	MAG	LOCATION
SEP 23	00 21 57	Z	00 21 57			
	09 18 13	SBA P	41.0S 42.9E	33KM	4.3	PRINCE EDWARD IS
SEP 23	12 58 29.5	SUV EP	17.1S 177.2W	418KM	4.1	FIJI IS
	13 12 23	AFI IP	13 12 23	U	-0.56	
SEP 23	15 51 12	AFI E	15 51 12			
SEP 24	03 05 08.4	AFI EP	24.7S 175.9W	15KM	4.7	S OF TONGA IS
	03 07 49	AFI EP	03 07 49	11		
	03 08 37	RAR EP	03 08 37	15	-0.90	
SEP 24	03 18 55	SBA EP	24.5S 176.0W	33KM	4.3	S OF FIJI IS
SEP 24	03 22 18.7U	RAR IP	03 22 18.7U		-1.13	
SEP 24	04 38 04	AFI EP	04 38 04			
SEP 24	06 46 39	AFI IP	06 46 39	U	0.02	
SEP 24	20 38 07.1	SBA EP	5.7N 96.2E	33KM	5.3	N SUMATRA
SEP 24	23 53 42.7	AFI ES	13.1N 145.2E	57KM	5.5	MARIANA IS
SEP 24	23 55 18.3D	AFI IP	23 55 18.3D			

DATE	TIME	STATION	EPICENTRE	DEPTH	MAG	LOCATION
SEP 25	00 10 59	SBA EP	13.3N 145.3E	57KM	5.0	MARIANA IS
SEP 25	00 42 38.7	RAR E(P)	24.6S 175.0W	33KM	4.3	S OF TONGA IS
SEP 25	01 27 36.6	RAR EP	31.1S 177.6W	33KM	4.3	KERMADEC IS
SEP 25	02 01 17.8	RAR EP	24.5S 175.9W	25KM	5.2	S OF TONGA IS
SEP 25	03 37 45	AFI EP	03 37 45			
SEP 25	06 10 38.5U	AFI IP	06 10 38.5U			
SEP 25	07 52 02	AFI EP	07 52 02			
SEP 25	10 29 59.0	RAR IP	29.0S 178.0W	33KM	4.4	KERMADEC IS
SEP 25	12 29 04.6	RAR EP	23.9S 177.6W	241KM	4.8	S OF FIJI IS

SBA	EP	Z	12 39 11	55
SEP 25				
	H M S	EPICENTRE	DEPTH	MAG
SEP 25	13 21 13.7	25.0S 175.0W	33KM	4.6 S OF TONGA IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE MAG
AFI	EP	Z 13 23 47		11
	ES	NE 25 41		
RAR	IP	Z 13 24 37.7D		15
	ES	ZNE 27 12		
	ET	Z 40 04		
SBA	EP	Z 13 30 37		54
SEP 25				
	H M S	EPICENTRE	DEPTH	MAG
SEP 25	15 49 49.1	9.6S 148.8E	37KM	6.0 E NEW GUINEA
		H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE MAG
SBA	EP	ZNE 16 00 52		69
	EL	N 22 47		
SEP 25				
	H M S	EPICENTRE	DEPTH	MAG
SEP 25	16 52 09.7	13.0N 145.3E	40KM	5.4 MARIANA IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE MAG
SBA	EP	Z 17 05 16		92
AFI	ES	ZNE 17 08 18		50
	EL	ZNE 14 42		
SEP 25				
SBA	E(P)	Z 20 30 12		
SEP 26				
	H M S	EPICENTRE	DEPTH	MAG
SEP 26	01 02 58.8	31.8S 179.8W	402KM	4.6 KERMADEC IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE MAG
RAO	EP	Z 01 04 04		5
	E	Z 36		
	ES	Z 52		
SEP 26				
	H M S	EPICENTRE	DEPTH	MAG
SEP 26	06 57 15.4	31.0S 178.3W	60KM	4.6 KERMADEC IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE MAG
RAO	IP	Z 06 57 44		5
	ES	Z 58 04		
SEP 26				
	H M S	EPICENTRE	DEPTH	MAG
SEP 26	08 30 40.9	23.3S 180.0W	549KM	S OF FIJI IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE MAG
RAO	EP	Z 08 32 21		10
	ES	Z 33 43		
SEP 26				
	H M S	EPICENTRE	DEPTH	MAG
SEP 26	13 16 01.0	23.2S 176.0W	73KM	4.8 S OF FIJI IS
		H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE MAG
AFI	EP	Z 13 18 15		10
	ES	NE 19 55		
	ET	ZNE 29 43		
RAO	ES	Z 13 18 50		10
RAR	EP	ZNE 13 19 31		15
	ES	ZNE 22 01		
	ET	ZNE 34 04		
SEP 26				
AFI	IP	Z 16 39 11 U		-0.63
	ES	NE 34		

H M S	EPICENTRE	DEPTH	MAG
SEP 26 21 33 54.5	54.8S 38.3W	33KM	6.1 S GEORGIA IS
	H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE MAG
SBA	P	ZNE 21 42 21.4	47
	EPP	ZN 44 16	
	ES	ZNE 49 16	
	SS	ZNE 53 04	
	ELW	Z 56 09	
	ELR	NE 59 44	
SEP 27 01 10 58.6	67.5N 139.9E	35KM	4.6 E SIBERIA
	H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE MAG
SBA	EPP	Z 01 30 33	146
SEP 27 04 27 04	15.1S 173.7W	98KM	4.0 TONGA IS
	H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE MAG
AFI	IP	ZNE 04 27 40.5U	2 0.08
	ES	ZNE 28 06	
SEP 27 04 59 41.7	31.6S 177.7W	33KM	4.1 KERMADEC IS
	H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE MAG
RAO	EP	Z 04 40 16	4
	ES	Z 44	
SEP 27 05 09 12.4	51.9N 175.6E	39KM	5.5 ALFUTIAN IS
	H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE MAG
AFI	ES	N 05 28 42	06
	EL	ZN 39 30	
SEP 28 05 46 34.8	28.1S 178.1W	53KM	KERMADEC IS
	H M S	DIR DIS LG A/T	AZ TZ AN TN AE TE MAG
RAO	IP	Z 05 06 54.5D	6
SUV	EP	Z 05 09 04	10
AFI	EP	ZNE 05 10 02	15 0.16
	ES	ZNE 12 44	
	EL	ZNE 13 47	
	ET	ZNE 23 23	
SBA	P	ZNE 05 15 33	50
	E	E 16 36	
	S	E 22 53	
	S	ZNE 23 46	
	N	24 28	
	SS	E 26 11	
	LQ	ZN 29 24	
SEP 28 05 14 19			
RAO	IP	Z 05 14 19	
	(S)	Z 56	
SEP 28 05 20 05.5			
RAO	IP	Z 05 20 05.5	
	E(S)	Z 44	
	E	Z 54	
SEP 28 05 39 32			
RAO	E(P)	Z 05 39 32	
SEP 28 05 41 32			
RAO	EP	Z 05 41 32	
	E(S)	Z 42	
SEP 28 05 43 14.5			
RAO	IP	Z 05 43 14.5	

		E(S)	Z	35										
SEP 28	RAO EP	Z	05 47 37											
	E	Z	48 15											
	ES	Z	26											
SEP 28	RAO IP	Z	05 52 45											
	E(S)	Z	53 07											
SEP 28	RAO IP	Z	06 04 21.5											
	ES	Z	42											
SEP 28	RAO EP	Z	06 14 26											
SEP 28	RAO EP	Z	06 27 03											
	ES	Z	20											
SEP 28	RAO IP	Z	06 35 44.20											
	E(S)	Z	36 01											
SEP 28	RAO E(P)	Z	06 36 37											
SEP 28	RAO EP	Z	06 42 25											
SEP 28	RAO IP	Z	06 47 02											
	I(S)	Z	19											
SEP 28	RAO IP	Z	06 59 36.60											
SEP 28	RAO IP	Z	07 04 47.90											
	ES	Z	05 04											
SEP 28	RAO IP	Z	07 17 55.10											
	ES	Z	45											
SEP 28	RAO IP	Z	07 29 34											
	ES	Z	40											
SEP 28	RAO EP	Z	08 16 25											
	E(S)	Z	40											
	H M S	EPICENTRE		DEPTH	MAG									
SEP 28	08 24 07	21.5S	180.0W	642KM	4.2	FIJI IS								
	RAO EP	H M S	DIR DIS LG A/T AZ TZ AN TN AE TE MAG											
	ES	Z	08 26 06	11										
		Z	27 42											
SEP 28	RAO IP	Z	09 39 51.00											
	ES	Z	40 07											
	H M S	EPICENTRE		DEPTH	MAG									
SEP 28	10 18 35	14.6S	173.7W	33KM	4.5	SAMOA IS								
	AFI IP	H M S	DIR DIS LG A/T AZ TZ AN TN AE TE MAG											
	IS	Z	10 19 01	D	2									
		ZNE	21											
	H M S	EPICENTRE		DEPTH	MAG									
SEP 28	11 17 29.4	59.3S	26.9W	33KM	5.5	S SANDWICH IS								
	SBA EP	H M S	DIR DIS LG A/T AZ TZ AN TN AE TE MAG											
		ZNE	11 25 26	43										
SEP 28	RAO EP	Z	12 05 00											
	ES	Z	14											
SEP 28	AFI E(L)	E	12 12 19											
SEP 28	SBA EP	Z	12 13 42											

SEP 28	RAO EP	Z	13 34 18											
	ES	Z	35 05											
SEP 28	RAO IP	Z	19 08 13.50											
	ES	Z	25											
SEP 28	RAO IP	Z	19 24 26.50											
	ES	Z	55											
CONCEALS ONSET OF USCGS ORIGIN 19 24 27.1 31.2S 177.3W 33KM														
	H M S	EPICENTRE		DEPTH	MAG									
SEP 28	19 24 27.1	31.2S	177.3W	33KM	4.8	KERMADEC IS								
	SBA EP	H M S	DIR DIS LG A/T AZ TZ AN TN AE TE MAG											
		Z	19 33 04	47										
	H M S	EPICENTRE		DEPTH	MAG									
SEP 29	01 16 28.9	32.1S	177.9W	30KM	4.4	S OF KERMADEC IS								
	RAO EP	H M S	DIR DIS LG A/T AZ TZ AN TN AE TE MAG											
	ES	Z	01 17 10	4										
	SBA EP	ZNE	01 24 58	46										
	H M S	EPICENTRE		DEPTH	MAG									
SEP 29	05 06 50.6	59.0S	25.6W	33KM	5.4	S SANDWICH IS								
	SBA EP	H M S	DIR DIS LG A/T AZ TZ AN TN AE TE MAG											
		ZNE	05 14 51	43										
	H M S	EPICENTRE		DEPTH	MAG									
SEP 29	15 25 17.4	28.3S	177.8W	73KM	4.5	KERMADEC IS								
	RAO EP	H M S	DIR DIS LG A/T AZ TZ AN TN AE TE MAG											
	ES	Z	15 25 31	6										
	SBA EP	Z	15 34 04	50										
SEP 29	RAO IP	Z	15 39 41.50											
	E(S)	Z	49											
SEP 29	AFI EP	ZNE	17 22 30											
	ES	ZNE	24 11											
SEP 29	AFI EP	Z	18 38 33											
	ES	ZNE	39 12											
SEP 29	AFI IP	Z	19 05 18.70											
	IS	NE	37											
	H M S	EPICENTRE		DEPTH	MAG									
SEP 29	21 26 35.6	28.2S	177.6W	26KM	4.8	KERMADEC IS								
	RAO IP	H M S	DIR DIS LG A/T AZ TZ AN TN AE TE MAG											
	ES	Z	21 26 53.10	6										
	AFI ES	NE	21 33 58	15										
	SBA EP	ZNE	21 35 33	50										
	H M S	EPICENTRE		DEPTH	MAG									
SEP 29	23 20 17.9	45.2N	28.2W	24KM	5.4	N ATLANTIC RIDGE								
	SBA EPKP	H M S	DIR DIS LG A/T AZ TZ AN TN AE TE MAG											
		ZNE	23 39 58	147										
SEP 30	SUV EP	Z	03 12 18											
	ES	Z	47											
SEP 30	RAO IP	Z	03 53 00.6											
SEP 30	AFI E(L)	NE	04 00 08											

DATE	H M S	EPICENTRE		DEPTH	MAG	LOCATION									
		DIR	DIS			LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG	
SEP 30	04 12 37	27.2S	177.9W	62KM	4.6	KEPMADEC IS									
		Z	04 12 49.1U	6											
		Z	13 02												
SEP 30	07 06 34.4	21.2S	179.3W	615KM	4.8	FIJI IS									
		Z	07 08 02 U	4											
		Z	07 08 53	10	-1.00										
		NE	10 43												
		Z	07 08 34.0D	11											
		Z	10 12												
		ZNE	07 15 26.7U	57											
SEP 30	07 07 45.0	21.1S	179.2W	615KM	4.7	FIJI IS									
		Z	07 09 12.5	4											
		Z	07 10 04	10	-0.64										
		NE	11 53												
		Z	07 09 45	11											
		Z	11 22												
		ZNE	07 16 37.4D	57											
SEP 30	23 47 40.7	59.7N	143.4W	19KM	4.8	GULF OF ALASKA									
		ZNE	24 09 36	77											
		ZNE	14 32												
		E	17 42												
		E	18 36												
		ZNE	19 34												
		ZN	22 24												
		NE	24 10 36	82		7	7								
		E	23 49												
		ZN	24 52												
12 6															
OCT 01	08 52 04.4	50.1N	178.2E	25KM	6.3	ALFUTIAN IS									
		Z	09 02 41	64	-0.39										
		Z	05 30												
		ZNE	11 20												
		ZNE	15 20												
		E	17 56												
		ZN	20 46												
		ZNE	09 03 37	74	-0.55										
		ZNE	13 06			5	13	8	14	11	16				
		E	21 22												
		ZNE	25 01			16	24	18	30	11	11				
		ZNE	09 11 08	128											
		Z	14 25			24	5								
		N	18 23												
		N	20 09												
		ZN	24 30												
		E	30 37												
		E	45 05												
		ZNE	51			8	20	8	20	3	20				
		ZN	52			19	45	14	45						
OCT 01	13 22 28.4	19.9S	174.5E	546KM	6.2	NEW HEBRIDES IS									
		Z	13 23 51	4											

DATE	H M S	EPICENTRE		DEPTH	MAG	LOCATION										
		DIR	DIS			LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG		
		ES	Z	24 56												
		P	Z	13 25 04	14											
		IP	Z	13 25 28.7D	14	-0.64										
		ES	ZNE	27 54												
		EP	ZNE	13 27 04	24	-0.84										
		E*SP	ZE	29 32		6	10									
		ES	ZN	30 45		6	9	11	12							
		ELQ	NE	31 55												
		ET	ZNE	42 14												
		P	ZNE	13 31 31	USW	58	0.44									
		E*PP	Z	33 15												
		NE	NE	38 53												
		N	N	40 26		7	8	7	10	6.4						
		NE	NE	42 07		7	8									
		E	E	50												
		Z	14 00 45													
OCT 01	19 44 13.7	52.7S	139.9E	29KM	4.9	W OF MACQUARIE IS										
		ZNE	19 49 55	27												
		E	54 53													
		E	57 16													
		Z	58			3	16	4	16	3	20					
		Z	58													
OCT 01	22 34 25.1	60.6S	24.4W	53KM	5.9	S SANDWICH IS										
		ZNE	22 42 12	42	0.09											
		Z	43 55													
		Z	44 15													
		ZNE	48 35													
		NE	51 06			6	16									
		ZNE	55			4	16	4	15	4	15					
OCT 02		SBA	EP	ZN	02 27 49		-1.35									
		N	N	28 23												
		E	E	51												
OCT 02	08 31 54.0	6.0S	103.9E	35KM	5.2	SW OF SUMATRA										
		ZNE	08 43 54	79												
OCT 02	19 23 35.6	23.9S	179.9E	509KM		S OF FIJI										
		Z	19 32 16	54												
OCT 03	05 12 21.8	38.1S	48.5E	18KM	5.4	INDO-ATLANTIC RISE										
		ZNE	05 22 19	59	-0.46											
		ZNE	39 40			4	22	4	22	5	23					
OCT 03	10 04 07.9	8.5N	126.3W	110KM	5.6	PHILIPPINE IS										
		Z	10 16 55	94												
OCT 03	11 20 11															
OCT 03	14 45 31.4	49.5N	156.7E	69KM	5.9	KURILE IS										
		Z	14 56 58	69												
		ZN	15 05 34													

	H	M	S	EPICENTRE	DEPTH	MAG										
OCT 05	23	30	17.0	7.9S 118.5E	189KM	5.0	FLORES SEA									
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG	
	SBA	EP		ZNE 23 41 35			74									
OCT 06	AFI	EP		Z 04 54 19												
		IS		NE 39												
OCT 06	07	52	56.4	22.5S 174.7W	40KM	4.5	TONGA IS									
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG	
	AFI	EP		Z 07 56 40			9									
		ES		ZNE 58 07												
		ET		ZNE 08 05 35												
OCT 06	08	19	17.5	22.3S 174.7W	40KM	4.3	TONGA IS									
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG	
	AFI	EP		Z 08 22 57			9									
		ES		ZNE 24 25												
		ET		ZNE 31 37												
OCT 06	14	49	36.7	15.7S 176.5W	391KM	4.4	FIJI IS									
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG	
	SUV	IP		Z 14 51 04			5									
	AFI	IP		ZNE 14 54 50			U 5 0.09									
		ES		ZNE 55 55												
	SBA	EP		Z 14 59 23			63									
OCT 06	15	35	05.2	36.5N 70.2E	218KM	5.3	HINDU KUSH									
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG	
	SBA	EPKP		Z 15 53 44			127									
OCT 06	17	45	09.5	17.8S 175.3W	234KM	4.5	TONGA IS									
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG	
	AFI	EP		Z 17 51 15			5									
		ES		ZNE 52 10												
	SBA	EP		Z 17 54 59			61									
OCT 06	19	42	07.7	25.3S 70.0E	33KM	5.0	MID INDIAN RISE									
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG	
	SBA	EP		ZNE 19 52 57			67									
OCT 06	RAO	EP		Z 21 29 23												
		ES		Z 58												
OCT 06	SBA	EP		ZNE 23 34 50			-0.55									
OCT 07	00	43	14.1	27.6S 66.2W	64KM	4.3	ARGENTINA									
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG	
	SBA	EP		Z 00 54 24			70									
OCT 07	01	09	09.1	21.6S 174.5W	66KM	5.1	TONGA IS									
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG	
	SUV	IP		Z 01 11 01			7									
	AFI	EP		Z 01 10 43			8									
		ES		ZNE 11 50												
		ET		ZNE 18 45												
	SBA	EP		ZNE 01 18 51			57									
		ES		E 26 53												

9 2 7.2

	H	M	S	EPICENTRE	DEPTH	MAG										
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG	
	ESCS	E		28 50											2 7	
	EL	ZNE		34											3 11	
OCT 07	03	35	59.8	12.5N 114.5E	17KM	5.9	S CHINA SEA									
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG	
	AFI	EP		Z 03 48 10			78 -0.68								6.5	
		ES		NE 58 00												
		E		E 04 00 56												
		ESS		ZE 02 42												
		ESSS		Z 06 40												
		EL		N 08 44												
		EL		ZNE 12 30												
	SBA	EP		ZNE 03 49 23			95 -1.12								6.5	
		EPS		E 04 01 44											2 7	
		EL		N 24												
OCT 07	06	58	11.2	24.5S 179.2W	378KM	4.8	S OF FIJI IS									
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG	
	SUV	IP		Z 06 59 53			7									
		E(S)		Z 07 01 19												
	RAO	IP		Z 06 59 32.00			9									
		E		Z 07 00 24												
		ES		Z 31												
	AFI	EP		Z 07 00 55			13									
		ES		ZNE 03 02												
	SBA	P		ZNE 07 07 00.4			54 -0.90								5.5	
		E		Z 08 19												
		SCP		Z 11 19												
OCT 07	08	16	35.1	1.8S 126.5E	45KM	4.8	MOLUCCA SEA									
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG	
	SBA	EP		ZNE 08 28 36			79									
OCT 07	08	40	32.6	17.5S 167.6E	25KM	4.8	NEW HEBRIDES IS									
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG	
	AFI	EP		ZNE 08 45 10			20									
		ES		ZNE 50 10												
	SBA	EP		ZNE 08 50 42			60 -0.76								6.4	
OCT 07	09	19	21.5	17.5S 167.9E	24KM	5.2	NEW HEBRIDES IS									
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG	
	SUV	EP		Z 09 21 53			10									
	AFI	EP		Z 09 23 55			20 -0.77								5.4	
		EP		Z 24 00			-0.11								6.1	
		ES		ZNE 29 06												
	SBA	P		ZNE 09 29 31			60 -0.53								6.7	
OCT 07	11	15	29.0	21.5S 174.2W	33KM	4.6	TONGA IS									
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG	
	AFI	EP		Z 11 17 22			8									
		E		ZN 18 41												
		ES		ZNE 48												
		EL		ZNE 19 00												
		ET		ZNE 25 10												
	SUV	EP		Z 11 17 24			8									
	SBA	EP		Z 11 25 14			57									
OCT 07	17	04	34.4	31.4S 177.6W	33KM	4.8	KERMADEC IS									
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG	
	RAO	EP		Z 17 05 06			4									

	H	M	S	EPICENTRE	DEPTH	MAG														
OCT 10	17	25	45.6	59.2S 25.0W	65KM	5.7	S SANDWICH IS													
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG					
	SBA	EP		ZNE 17 33 41			43	0.02							6.9					
				ZNE 46																
OCT 11	02	28	40	52.5S 131.0E	335KM	0.1	SW OF AFRICA													
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG					
	SBA	EP		ZNE 02 37 25			29	-1.33							4.9					
OCT 11				Z 02 54 27																
OCT 11	06	31	39	17.4S 173.2W	85KM	4.1	TONGA IS													
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG					
	AFI	EP		Z 06 32 36			4													
				ZNE 33 21																
	RAR	EP		ZNE 06 34 30			13													
OCT 11	11	16	32	24.0S 179.6E	551KM	4.1	S OF FIJI IS													
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG					
	AFI	EP		Z 11 19 15			13													
				NE 21 29																
	RAR	EP?		ZN 11 20 04			19													
OCT 11	18	10	28	25.3S 176.6W	33KM	4.2	S OF FIJI IS													
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG					
	AFI	EP		Z 18 13 22			12													
				NE 15 15																
OCT 12				Z 03 16 41			D													
OCT 12	06	47	06.3	29.9S 177.7W	51KM	4.4	KERMADEC IS													
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG					
	RAO	IP		Z 06 47 20.1D			5													
				Z 29																
	SBA	EP		ZN 06 55 45			49	-1.33							5.6					
OCT 12	07	27	44.0	22.7S 170.9E	64KM	4.8	LOYALTY IS													
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG					
	SUV	EP		Z 07 29 45			8													
	AFI	EP		Z 07 31 56			19	-0.68							5.5					
				NE 35 34																
	SBA	EP		ZNE 07 37 11			55	-1.08							6.0					
OCT 12	13	40	59.4	56.1N 153.6W	29KM	5.5	KODIAK IS													
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG					
	AFI	ES		NE 14 01 44			71													
				E 10 08																
				ZN 13 12																
	RAR	EL		ZN 14 16 23			77													
OCT 12				ZNE 14 16 42																
OCT 12				Z 16 09 20			U								0.20					
OCT 13				Z 03 51 26																
				NE 52 09																
OCT 13				Z 09 34 23																

DISTANT EARTHQUAKES - OVERSEAS STATIONS

	ES	NE	44																	
				H M S	EPICENTRE	DEPTH	MAG													
OCT 13	14	46	24.2	22.8S 171.1E	21KM	5.6	LOYALTY IS													
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG					
	SUV	EP		Z 14 48 29			8													
	AFI	EP		Z 14 50 40			18	-0.68							5.5					
				E 54 05																
				ZNE 30																
	RAR	ES?		NE 14 56 27			27													
				E 57 33																
				ZNE 58 16																
	SBA	EP		ZNE 14 55 58			55	-0.21							6.9					
				N 15 03 49											4 32					
				ZN 12 30											6 34					
				ZNE 12 30																
OCT 13	15	13	40.6	16.5S 166.9E	22KM	5.0	NEW HEBRIDES IS													
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG					
	AFI	EP		Z 15 18 18			21	-0.56							5.7					
				N 22 44																
				ZE 23 38																
	RAR	EP		Z 15 20 08.5			32													
				NE 25 12																
				E 27 10																
				ZNE 28																
	SBA	EP		ZNE 15 23 56			61													
OCT 13	15	37	36.6	22.9S 171.0E	36KM		LOYALTY IS													
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG					
	SBA	EP		Z 15 47 07			55													
OCT 14				Z 05 55 28																
				NE 45																
OCT 14				Z 08 52 24																
OCT 14				Z 15 17 35																
				NE 18 03																
OCT 14				ZN 23 58 15																
				ZNE 20																
OCT 15	07	34	36.2	18.0S 169.0E	232KM	4.6	NEW HEBRIDES													
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG					
	SBA	EP		ZN 07 44 18			60													
				Z 45 09																
OCT 15	11	55	17.7	12.3S 166.3E	49KM		SANTA CRUZ IS													
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG					
	SBA	EP		ZNE 12 05 58			66	-1.33							5.8					
OCT 15	12	01	59.3	12.6S 165.8E	33KM	5.9	SANTA CRUZ IS													
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG					
	AFI	EP		ZE 12 06 46			22													
	SBA	EP		ZN 12 12 34			65	-1.52							5.6					
OCT 15				NE 18 17 34																
OCT 15	23	22	04.8	19.5S 175.7W	201KM	4.0	TONGA IS													
				H M S	DIR	DIS	LG	A/T	AZ	TZ										

OCT 24	H M S			EPICENTRE		DEPTH	MAG													
	21	09	43.8	17.7S	178.5W			507KM	4.7	FIJI IS	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE
SUV	IP	Z	21	10	56.5		3	0.37												
	ES	Z			11 50															
AFI	IP	Z	21	11	33.4D		7	0.27												
	ES	ZNE			13 00															
RAO	EP	Z	21	12	16		14	-0.88												
	ES	Z			14 22															
RAR	EP	ZNE	21	13	25.0W		18													
	ES?	ZN			16 37															
OCT 25	AFI	EP	ZNE	00	19 24			-0.38												
OCT 25	H M S			EPICENTRE		DEPTH	MAG													
	08	38	29.2	22.2S	170.3E			22KM	5.0	LOYALTY IS	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE
SUV	P	Z	08	40	37		9													
AFI	EP	Z	08	42	48		19													
	ES	NE			44 45															
	EL	ZNE			46 12															
RAR	EP?	Z	08	44	09		28													
	ES	N			48 39															
	ELQ	N			50 20															
	ELR	ZE			51															
	ET	Z	09	11	14															
OCT 25	RAO	EP	Z	13	44 53															
OCT 25	H M S			EPICENTRE		DEPTH	MAG													
	17	53	46.0	60.5S	153.9E			49KM	5.2	W MACQUARIE IS	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE
SBA	EP	ZNE	17	57	59		18													
	EL	ZNE	18	01	34															
RAR	ES	NE	18	10	10		51													
	ELQ	E			15 00															
	ELR	N			17 19															
AFI	ES	ZNE	18	10	30		53													
	EL	E			16 36															
	EL	ZN			19 42															
OCT 25	H M S			EPICENTRE		DEPTH	MAG													
	22	34	24.4	44.2N	145.3E			181KM	6.2	HOKKAIDO JAPAN	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE
SUV	EP	Z	22	45	14		69													
AFI	IP	Z	22	45	18.4D		70	-0.00												
	ES	ZNE			54 15															
	E	Z			58 00															
	ESS	NE	23	02	26															
	E	Z			03 14															
	EL	N			04 48															
	EL	ZE			05 48															
RAO	EP	Z	22	46	27		79													
RAR	EP	ZNE	22	46	28		82	-0.61												
	E(+PP)	ZE			47 06															
	ES	ZNE			56 14															
	E(SCS)	E			30															
	E(PS)	N			57 21															
	EL	E			08 07															
	EL	N			20															
	EL	ZE			10 09															
	ET	ZNE	24	15	59															
	ET(MAX)	ZNE			16 39															
SBA	EPKP	ZNE	23	53	00		122													
	EPP	Z	22	54	41															
	EPKS	NE			56 19															

ESKS	N	59	47																	
ESKKS	ZNE	23	01	04																
E(PS)	N	04	07																	
ESS	ZNE	11	14																	
ELQ	NE	25	25																	
ELR	Z	33	38																	
OCT 25	H M S			EPICENTRE		DEPTH	MAG													
	23	41	00.3	0.7N	119.4E			62KM	5.4	N CELEBES	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE
SBA	EP	ZNE	23	53	19		82													
OCT 26	AFI	EP	Z	06	51 21															
	ES	NE			40															
OCT 26	H M S			EPICENTRE		DEPTH	MAG													
	08	15	42.9	22.0S	175.3W			89KM	5.0	TONGA IS	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE
SUV	IP	Z	08	17	24		9													
AFI	IP	Z	08	17	35		9	-0.59												
	ES	ZNE			19 04															
	ET	ZNE			26 34															
RAO	EP	Z	08	17	29		11													
	ES	Z			18 52															
RAR	EP	ZNE	08	18	55		14													
	E	ZE			20 15															
	ES	ZNE			21 19															
	ELQ	N			39															
	ELR	ZE			22 10															
	ET	ZNE			33 04															
	ET(MAX)	ZNE			54															
SBA	EP	ZNE	08	25	20		57	-0.82												
OCT 26	H M S			EPICENTRE		DEPTH	MAG													
	10	21	45.8	20.2S	168.9E			35KM	5.2	LOYALTY IS	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE
SUV	EP	Z	10	24	02		9													
AFI	EP	Z	10	26	20		19													
	ES	NE			29 50															
	ESS	ZE			31 30															
	EL	N			32 18															
SBA	P	ZNE	10	31	35		58	-0.73												
OCT 26	H M S			EPICENTRE		DEPTH	MAG													
	12	15	07.5	24.5S	70.2W			52KM	5.5	NEAR N CHILE	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE
SBA	EP	ZNE	12	26	32		73													
	EPCP	Z			47															
OCT 26	H M S			EPICENTRE		DEPTH	MAG													
	12	18	39.3	7.8S	123.6E			232KM	5.3	BANDA SEA	DIR	DIS	LG	A/T	AZ	TZ	AN	T		

DATE	H M S	EPICENTRE	DEPTH	MAG	LOCATION								
					DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE
OCT 27	05 45 34.4	12.8S 165.7E	77KM	4.7	SANTA CRUZ IS								
	SBA EP	ZNE 05 56 09		65									
		N 06 20 20											
OCT 27	09 27 48.2	18.9S 173.2W	33KM	4.8	TONGA IS								
	AFI EP	Z 09 29 01		5									
	ES	NE 44											
	ET	NE 30 46											
	RAR EP	Z 09 30 42		13									
	ES?	NE 33 07											
OCT 27	AFI EP	Z 09 33 48											
	ES	NE 34 12											
	E(L)	ZNE 48											
OCT 27	AFI EP	Z 10 05 15											
	ES	NE 36											
OCT 27	AFI IP	Z 10 24 31.8		-0.48									
	ES	NE 56											
OCT 27	14 26 12.7	23.3S 179.1E	557KM	4.8	S OF FIJI								
	SBA EP	Z 14 34 54		55									
	P	Z 05 36 29.5											
OCT 27	17 53 59.8	17.8S 178.7W	557KM	4.3	FIJI IS								
	AFI IP	Z 17 55 53.4		8									
	ES	NE 57 25											
	RAO ES	Z 17 58 40		14									
	RAR EP	Z 17 57 34		18									
OCT 27	AFI EP	Z 23 48 56											
	ES	NE 49 19											
OCT 28	SUV EP	Z 06 11 08		-0.13									
OCT 28	08 58 27.0	1.7S 127.3E	33KM	5.2	HALMAHERA								
	SBA EP	ZNE 09 10 33		79									
	EL	NE 33 30											
OCT 28	14 52 02	19.3S 175.4W	215KM	4.0	TONGA IS								
	AFI EP	Z 14 53 35		6									
	ES	NE 54 45											
OCT 28	17 15 51	21.6S 170.7E	42KM		LOYALTY IS								
	SBA EP	ZNE 17 25 30		56									
OCT 29	AFI EP	Z 02 03 35											
	ES	NE 04 05											

DISTANT EARTHQUAKES - OVERSEAS STATIONS

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DATE	H M S	EPICENTRE	DEPTH	MAG	LOCATION								
					DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE
OCT 29	03 48 01.5	33.6S 178.4W	33KM		S OF KERMADEC IS								
	SBA EP	Z 03 56 27		45									
OCT 29	04 07 28.1	33.5S 178.6W	41KM		S OF KERMADEC IS								
	SBA EP	Z 04 15 42		45									
OCT 29	04 08 53	33.0S 178.9W	60KM	4.8	S OF KERMADEC IS								
	RAO EP	Z 04 09 49		5									
	ES	Z 10 33											
	SUV EP	Z 04 12 22		15									
	AFI EP	Z 04 12 06		20									
	ES	NE 13 29											
	EL	ZNE 14 42											
	RAR EP	Z 04 13 26		21									
	E(S)	Z 15 39											
	EL	N 16 02											
	EL	Z 18											
	SBA EP	ZNE 04 17 06		45									
OCT 29	10 01 36.8	10.4S 161.4E	73KM	4.6	SOLOMON IS								
	SBA EP	Z 10 12 27		67									
OCT 29	21 00 00.1	51.4N 179.2E	0KM		AMCHITKA IS								
	AFI EP	Z 21 10 46		66	0.16								
	SBA P	ZNE 21 19 08		129									
OCT 30	05 15 03.2	12.3S 168.0E	33KM	4.3	SANTA CRUZ IS								
	SBA EP	Z 05 25 45		66									
OCT 30	06 57 39.5	16.4S 173.3W	28KM	5.3	TONGA IS								
	AFI EP	Z 06 58 19		3									
	ES	ZNE 24											
	E	ZNE 48											
	SUV EP	Z 06 59 41		8									
	RAR IP	ZNE 07 00 45.5D		14	-0.44								
	ES	ZNE 33 06											
	ELQ	N 19								5 14			
	ELR	Z 54								15 22			
	ET	ZNE 14 14											
	SBA EP	ZNE 07 08 02		62									
	ES	E 16 34											
	EL	ZNE 26 36											
OCT 30	AFI EP	Z 07 28 28											
	ES	ZNE 57											
OCT 30	AFI EP	Z 15 52 51											
	ES	ZNE 53 22											
	RAR EP	ZNE 15 55 18											
	ET	ZNE 16 08 51											

H	M	S	EPICENTRE	DEPTH	MAG						
			H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE	MAG			
NOV 10	13	00	41.0	25.4S 179.8E	494KM	4.3	FIJI IS				
	SUV	IP	Z	13 02 30	U	7					
	RAO	EP	Z	13 02 05		8					
		ES	Z	03 13							
	AFI	EP	Z	13 03 36		14					
		ES	ZNE	05 56							
	RAR	EP?	Z	13 04 26		19					
NOV 10	AFI	EP	ZNE	14 48 32							
		ES	ZNE	54							
NOV 10	18	48	39	5.8S 104.5E	82KM	5.0	S SUMATRA				
	SBA	EP	ZNE	19 00 34.5		79					
NOV 11	01	16	54.0	21.8S 179.5W	600KM	4.2	FIJI IS				
	SUV	IP	Z	01 18 20.5U		4					
		ES	Z	19 33							
NOV 11	01	32	58.4	22.8S 172.6E	51KM	5.5	LOYALTY IS				
	SUV	EP	Z	01 34 44		7					
	RAR	EP	ZNE	01 38 25		26					
		ELQ	N	43 10							
		ELR	ZNE	44 39							
	SBA	IP	ZNE	01 42 21.8D		55	-0.41				
		ELR	ZN	59 15							
NOV 11	02	51	25.7	60.6S 153.7E	33KM	5.1	W MACQUARIE IS				
	SBA	EP	ZNE	02 55 27.5		18	-0.36				
		I	ZNE	35.5							
		ES	ZNE	58 35							
		ELR	Z	59 40							
	RAR	EP?	Z	03 00 15		51					
		ES	E	07 45							
		E	N	08 27							
		EL	E	11 36							
		EL	N	12 08							
		EL	Z	13							
	AFI	EP	Z	03 00 53		53					
		ES	ZNE	08 16							
		E	E	10 48							
		ESS	ZNE	12 00							
		ESSS	N	13 24							
		EL	Z	14 18							
NOV 11	AFI	IP	Z	04 28 52	U						
		ES	ZNE	29 12							
NOV 11	AFI	EP	Z	07 46 07							
		ES	NE	47 19							
NOV 11	08	46	38.1	18.5S 177.7W	379KM	4.9	FIJI IS				
	SUV	IP	Z	08 47 49	D	4	0.05				
		ES	Z	48 39							
	AFI	IP	ZNE	08 48 21	U	7					

DISTANT EARTHQUAKES - OVERSEAS STATIONS

IS	ZNE	49	40							
ET	ZNE	54	43							
RAO	ES	Z	08 51 00	14						
RAR	IP	ZNE	08 50 14.3DS	17	-0.60					
E(S)	ZNE	53	40							
ET	ZNE	09 05 01								
SBA	IP	ZNE	08 56 06.2U	60	0.05					
NOV 11	09	04	17.5	21.5S 178.9W	575KM	4.4	FIJI IS			
	SUV	P	Z	09 05 43		4				
	RAO	EP	Z	09 06 15		11				
		ES	Z	07 50						
NOV 11	16	52	24.6	61.2S 154.0E	33KM		BALLENY IS			
	SBA	EP	ZNE	16 56 17.8		17	-0.81			
		E	ZNE	24.0						
		ES	E	59 25						
		EL	ZN	17 00 25						
	AFI	ES	ZN	17 09 18		53				
		E	E	14 30						
		ESSS	E	15 13						
		EL	ZN	16 30						
		EL	ZN	18 30						
NOV 11	22	49	58.0	28.4S 176.6W	48KM	4.9	KERMADEC IS			
	RAO	IP	Z	22 50 21.8		6				
		ES	Z	33						
		E	Z	51 58						
	SUV	EP	Z	22 52 40		11				
	AFI	EP	Z	22 53 20		15				
		ES	ZNE	55 51						
		EL	ZNE	56 42						
		ET	ZNE	23 06 40						
	RAR	IP	ZNE	22 53 45.6		17	-0.80			
		ES	ZNE	56 31						
		ELQ	NE	47						
		ELR	ZNE	57 47						
		ET	ZNE	23 10 28				8 12 11 13		
								9 10 9 9 28 9		
NOV 12	AFI	EP	Z	01 21 18						
		ES	NE	37						
NOV 12	02	04	19.5	56.0S 121.4W	33KM	4.9	EASTER IS CORD			
	SBA	EP	ZNE	02 10 46.5		32	0.01			
		ES	N	16 03						
		ELQ	N	17 27						
		ELR	Z	18 30						
	RAR	ES	ZNE	02 19 19		45				
		ELQ	NE	22 38						
		ELR	Z	24 13						
		ET	ZNE	59 39						
	AFI	ES	ZNE	02 22 04		57				
		ESSS	NE	27 44						
		E	ZNE	28 48						
		EL	N	29 18						

H	M	S	EPICENTRE	DEPTH	MAG											
H	M	S	H	M	S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
NOV 14	16	04	10.7S 163.4E	33KM	5.0	SOLOMON IS										
SBA	EP		ZNE 16 15 00													
NOV 14	16	20	10.6S 163.5E	9KM	5.3	SOLOMON IS										
AFI	EP		Z 16 25 39													5.6
SBA	EP		ZNE 16 31 17													
NOV 14	18	26	10.7S 163.5E	34KM	4.7	SOLOMON IS										
SBA	EP		ZN 18 36 56													
NOV 15	11	18	0.3S 18.6W	26KM	5.8	MID ATLANTIC RIDGE										
SBA	ESKS		Z 11 41 32													
	ESSS		NE 51 42													
	ELQ		NE 56 02													
	ELR		ZNE 12 01 00													
RAR	E(PPS)		ZE 11 53 23													136
	ESS		ZNE 59 33													
	E		E 12 11 05													
	ELQ		NE 14 24													
	ELR		ZNE 23 14													
AFI	EPKP		Z 11 38 49													150
	E		Z 12 00 18													
	ESS		NE 01 30													
	E		E 02 18													
	E		NE 05 24													
	EL		Z 07 06													
NOV 16	AFI	IP	ZE 04 51 58.9D													-0.26
	ES		ZE 52 21													
SBA	EP		ZNE 04 59 52													
NOV 16	06	45	6.6N 126.9E	102KM	5.8	PHILIPPINE IS										
SBA	EP		ZNE 06 58 33.5													87
NOV 16	AFI	EP	ZE 10 12 06													
	ES		ZE 26													
	ET		ZE 14 09													
NOV 16	AFI	EP	Z 14 03 37													
	ES		ZE 05 03													
NOV 16	15	24	31.0N 41.5W	17KM	6.0	N ATLANTIC RIDGE										
AFI	ESSP		ZNE 16 04 24													131
NOV 16	15	40	31.0N 41.3W	17KM	5.2	N ATLANTIC RIDGE										
SBA	EPKP		ZNE 15 43 56.0U													131
	EPKS		ZNE 47 13.5													
AFI	ESSP		ZNE 16 25 00													132
	EL		ZNE 30 00													
	EL		ZNE 00													

H	M	S	EPICENTRE	DEPTH	MAG											
H	M	S	H	M	S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
NOV 16	17	05	25.5N 125.2E	79KM	5.9	RYUKYU IS										
SBA	EPP		ZNE 17 24 05.0													106
NOV 17	AFI	EP	Z 20 48 47													
	ES		ZE 49 05													
NOV 18	10	45	20.2S 176.7W	285KM	4.4	FIJI IS										
SUV	EP?		Z 10 46 29													
AFI	EP		Z 10 47 03													
	ES		ZNE 48 16													
RAO	ES		Z 10 48 58													12
RAR	ET		ZNE 11 03 34													16
SBA	IP		ZNE 10 54 40.8													58 -1.03
NOV 18	17	17	7.1S 129.4E	166KM	5.6	BANDA SEA										
AFI	EP		Z 17 27 00													58 -0.73
SBA	EP		ZNE 17 28 34.5													73 6.2
NOV 18	20	00	18.8S 177.8W	420KM	5.6	FIJI IS										
SUV	IP		Z 20 01 32.2U													4
	S		Z 02 29													
AFI	EP		ZNE 20 02 07													8
	ES		ZNE 03 31													
RAO	IP		Z 20 02 39 U													13
	ES		Z 04 26													
RAR	IP		ZNE 20 03 54.6US													17 0.83 26 8
	ES		ZNE 06 46													
SBA	IP		ZNE 20 09 43.5U													60 1.12 31 4
	E*PP		ZNE 11 10.0													55 10 7.3
	ES		ZNE 17 27.0													
	ESCS		ZNE 18 53													14 9 6.5
	E*SS		ZNE 20 03													10 7 7 16
NOV 18	20	47	5.1S 145.3E	61KM	5.0	NEW GUINEA										
SBA	EP		ZNE 20 59 25.2													74
NOV 18	21	58	53.9N 160.6E	67KM	6.1	NEAR E KAMCHATKA										
AFI	EP		Z 22 09 37													72
	ES		ZN 19 00													
	EL		ZN 30 30													
RAR	EP		Z 22 11 34													82
	ES		ZN 21 09													
	ET		Z 23 40 15													
SBA	IPKP		ZNE 22 17 24.2U													132
	EPKS		ZNE 20 45.5													
NOV 19	01	14	29.6S 178.5W	24KM	4.6	KERMADEC IS										
RAO	IP		Z 01 14 36.3U													5
	S		Z 42													
	E		Z 17 07													
RAR	EP?		Z 01 18 44													19
	ELQ		E 21 39													

ES		Z	34 18	
H M S	EPICENTRE		DEPTH	MAG
NOV 25 16 36 15.9	28.6S	176.6W	59KM	5.1 KERMADEC IS
	H M S	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		
RAO EP	Z	16 36 39	6	
ES	Z	16 38 47		
SUV EP	Z	16 38 58	11	
AFI EP	Z	16 39 38	15	
ES	NE	42 07		
ET	ZNE	53 23		
RAR EP	ZNE	16 40 04	17 -0.35	5.8
ES	ZNE	42 45		
ELQ	NE	43 14		
ELR	Z	44 14		17 12 11 12
SBA EP	Z	16 45 07	50	5 13 25 13 20 8
ES	NE	52 28		
ELQ	E	58 37		
ELR	E	17 02 48		3 12
H M S	EPICENTRE		DEPTH	MAG
NOV 25 21 24 50.0	57.8S	7.5W	33KM	4.9 S W ATLANTIC
	H M S	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		
SBA EP	Z	21 33 01	45	
ELQ	E	43 00		
ELR	E	47 00		4 22
H M S	EPICENTRE		DEPTH	MAG
NOV 25 22 30 45	22.9S	175.9W	33KM	4.4 TONGA IS
	H M S	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		
RAO EP	Z	22 32 16	10	
ES	Z	33 24		
AFI EP	Z	22 33 07	10	
ES	NE	34 48		
RAR EP	ZNE	22 34 12	15	
ES	ZNE	36 38		
ET	ZNE	49 12		
NOV 26 AFI EP	Z	03 53 07		
ES	NE	34		
ET	ZNE	55 35		
NOV 26 AFI EP	ZNE	16 03 11		
NOV 26 AFI EP	Z	18 19 45		
ES	NE	20 07		
H M S	EPICENTRE		DEPTH	MAG
NOV 27 01 29 49.5	6.1S	148.5E	56KM	6.0 NEW BRITAIN
	H M S	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		
SUV EP	Z	01 36 25	32	
AFI IP	Z	01 37 19.5D	40 -0.02	6.8
ESS	ZNE	45 48		
EL	ZE	48 36		
RAR EP	Z	01 39 12	52	
E	ZNE	44 43		
ES	ZNE	46 39		
SBA EP	ZNE	01 41 12.0	72 -0.30	6.7
EPP	Z	42 44.0		
ES	ZNE	49 38		2 7 6.4
H M S	EPICENTRE		DEPTH	MAG
NOV 27 03 04 16.1	30.6N	140.3E	20KM	5.2 S HONSHU JAPAN
	H M S	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		
AFI ES	N	03 22 24	64	
EL	ZN	33 12		
RAR EP	Z	03 16 06	77	

H M S	EPICENTRE		DEPTH	MAG
NOV 27 07 21 52	24.2S	175.1W	33KM	4.6 S OF TONGA IS
	H M S	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		
RAR EP	ZNE	07 25 09	14	
ES	ZNE	27 34		
SBA EP	Z	08 36 59.0	54	
H M S	EPICENTRE		DEPTH	MAG
NOV 27 08 27 48	20.8S	178.1W	410KM	4.3 FIJI IS
	H M S	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		
SUV EP	Z	08 28 19	4 -0.47	
AFI EP	ZNE	08 29 49	9 -0.55	
ES	ZNE	31 26		
RAO EP	Z	08 29 54	12	
ES	Z	31 18		
H M S	EPICENTRE		DEPTH	MAG
NOV 27 12 01 51.5	9.7S	159.8E	41KM	6.0 SOLOMON IS
	H M S	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		
SUV EP	Z	12 06 24	20	
AFI EP	Z	12 07 42	28 -0.64	5.9
ES	ZNE	12 41		
ESS	NE	14 18		
EL	Z	15 30		
RAO EP	Z	12 07 54	30	
RAR EP	ZNE	12 09 24	40	
ES	E	15 08		
ELQ	N	19 12		
ELR	ZNE	21 30		
SBA EP	ZNE	12 11 27.0	68 -0.50	6.6
EPP	ZNE	12 51.5		
EPPP	ZNE	13 51		
H M S	EPICENTRE		DEPTH	MAG
NOV 27 14 44 24.2	10.8S	163.5E	33KM	5.4 SOLOMON IS
	H M S	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		
AFI ES	ZNE	14 53 48	24	
ESS	N	54 42		
EL	ZNE	56 24		
SBA EP	ZNE	14 55 18.5	67 -0.57	6.6
NOV 28 AFI EP	Z	02 32 11		
ES	ZNE	54		
NOV 28 AFI EP	Z	03 30 43		
ES	ZNE	31 12		
H M S	EPICENTRE		DEPTH	MAG
NOV 28 03 56 45.7	45.7S	72.6W	33KM	5.8 NEAR S CHILE
	H M S	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		
RAR EP	Z	04 08 16	73	
ES	NE	17 34		
EL	ZNE	30 34		
AFI EP	Z	04 09 25	86	
EL	NE	32 48		
EL	ZNE	36 18		
H M S	EPICENTRE		DEPTH	MAG
NOV 28 05 26 07.4	36.3N	172.5E	89KM	5.8 DODECANESE IS
	H M S	DIR DIS LG A/T AZ TZ AN TN AE TE MAG		
SBA EP	ZNE	04 06 51.5	135	
AFI EP	Z	05 45 55	152	
NOV 28 AFI E	N	11 11 30		
EL	E	13 30		
EL	Z	14 00		

NOV 28	H M S	EPICENTRE		DEPTH	MAG	LOCATION												
		21.9S	174.7W			33KM	4.0	TONGA IS	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE
	11 10 04	Z	11 12 04		8													
		AFI	EP	ZNE	13 23													
		RAR	P	ZNE	11 13 15	14	-0.78											
			ES	ZNE	15 36													
			EL	NE	16 18							9	9	10	8			
			ET	ZNE	27 28													
		RAO	E(S)	Z	11 13 31	11												
NOV 28	12 51 19.7	EPICENTRE		DEPTH	MAG	LOCATION												
		30.3S	176.2W	34KM	5.3	KERMADEC IS	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG	
		RAO	IP	Z	12 51 40.0D	5												
			ES	Z	12 55 10	17												
		AFI	EP	NE	58 00													
			ES	ZNE	13 12 27													
			ET	ZNE	12 55 17	17												
		RAR	EP	ZNE	58 12													
			ES	ZNE	13 11 09													
			ET															
NOV 28	AFI	IP	Z	15 49 20.4U														
			ES	ZNE	40													
NOV 28	AFI	EP	Z	20 21 41														
			ES	ZNE	54													
NOV 28	21 31 46.9	EPICENTRE		DEPTH	MAG	LOCATION												
		4.9S	103.2E	85KM	5.9	S SUMATRA	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG	
		AFI	EP	Z	21 44 13	84	-0.48											
NOV 29	03 55 43.1	EPICENTRE		DEPTH	MAG	LOCATION												
		20.9S	175.2W	80KM	4.8	TONGA IS	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG	
		SUV	IP	Z	03 57 22	U	7	-0.33										
		AFI	EP	ZNE	03 57 26	8												
			ES	ZNE	58 46													
		RAO	EP	Z	03 57 49	12												
			ES	Z	59 23													
		RAR	EP	ZNE	03 59 04	14												
			ES	ZNE	04 01 26													
			EL	NE	39								9	10				
			ET	ZNE	12 54													
			ET(MAX)	ZNE	13													
NOV 29	04 48 30.9	EPICENTRE		DEPTH	MAG	LOCATION												
		20.6S	178.6W	594KM	5.1	FIJI IS	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG	
		AFI	IP	Z	04 50 41.5U	9	0.01											
			ES	ZNE	52 21													
		RAR	EP	Z	04 52 06	18												
		RAO	ES	Z	04 52 15	12												
NOV 29	05 01 27.1	EPICENTRE		DEPTH	MAG	LOCATION												
		54.1S	133.5W	33KM	5.2	S PACIFIC CORD	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG	
		SBA	EP	ZNE	05 05 42	31												
			ES	ZNE	11 05													
			ESS	ZNE	12 42													
			ELQ	ZNE	14 55													
		RAR	ELQ	E	05 17 34	38												
			ELR	ZN	18 41													
		AFI	ESSS	NE	05 21 42	50												

		EL	ZN	23 48														
NOV 29	AFI	EP	Z	09 13 06														
			ES	NE	37													
NOV 29	AFI	EP	ZNE	14 54 54														
			ES	ZNE	55 18													
NOV 29	AFI	E(S)	ZNE	15 00 00														
NOV 29	15 05 51.0	EPICENTRE		DEPTH	MAG	LOCATION												
		16.2S	174.8W	64KM	4.5	TONGA IS	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG	
		AFI	EP	Z	15 06 37	4												
			ES	ZNE	07 19													
			ET	ZNF	09 05													
		RAR	EP	Z	15 09 25	15												
			ELQ	NE	12 04													
			ELR	ZNE	51								7	8	26	9	12	9
			ET	ZNE	24 21													
NOV 30	AFI	EP	Z	16 05 25														
			ES	NE	06 13													
NOV 30	19 47 24.5	EPICENTRE		DEPTH	MAG	LOCATION												
		16.9S	175.4E	21KM	5.0	FIJI IS	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG	
		SUV	IP	Z	19 48 14	D	3	-0.16										
			E(S)	Z	58													
		AFI	EP	ZNE	19 50 29	13	-0.18											
			ES	NE	52 56													
			EL	Z	53 30													
NOV 30	AFI	EP	Z	22 27 09														
			ES	ZNE	53													
NOV 30	22 29 53	EPICENTRE		DEPTH	MAG	LOCATION												
		23.1S	175.8W	77KM	5.1	TONGA IS	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG	
		SUV	EP	Z	22 31 52	7												
		RAO	EP	Z	22 31 28	10												
			ES	Z	32 40													
		AFI	EP	ZNE	22 32 04	10												
			ES	ZNE	33 40													
			ET	ZNE	40 39													
		RAR	EP	ZNE	22 33 17	15	-0.63											
			ES	ZNE	35 49													
			EL	N	36 15													
			ET	ZNE	48 02													
NOV 31	04 59 24.5	EPICENTRE		DEPTH	MAG	LOCATION												
		27.9S	177.3W	113KM	3.9	KERMADEC IS	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG	
		RAO	EP	Z	04 59 52	6												
			ES	Z	05 00 14													
		RAR	E(S)	ZNE	05 06 11	17												
			E(T)	ZNE	18 37													
NOV 31	AFI	EP	Z	08 57 37														
			ES	NE	55													
NOV 31	AFI	EP	Z	14 48 02														
			ES	NE	49 11													

H M S		EPICENTRE		DEPTH	MAG									
DEC 02 23 38 13.0		15.3S 173.1W		17KM	5.6	TONGA IS								
		H M S		DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
AFI	IP	ZNE	23 38 45	U										
	ES	ZNE	54											
SUV	EP	Z	23 40 26		9									
RAR	IP	ZNE	23 41 28.9U		14									
	ES	ZNE	43 52											
	ELQ	N	44 11											
	ELR	ZE	49											
	ET	ZNE	53 24											
SBA	IP	ZNE	23 48 44.3U		63									6.4
	FELT	AT	APIA											
DEC 02	AFI	EP	Z	23 48 43										
	ES	NE	49 01											
DEC 03	AFI	EP	Z	02 22 17										
	ES	NE	36											
H M S		EPICENTRE		DEPTH	MAG									
DEC 03 03 37 39		20.9S 178.9W		575KM	4.6	FIJI IS								
		H M S		DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
SUV	EP	Z	03 39 05		4									
AFI	EP	Z	03 39 55		10									
	ES	NE	41 44											
RAO	ES	Z	03 41 18		12									
H M S		EPICENTRE		DEPTH	MAG									
DEC 03 06 45 02.8		20.7S 174.0W		33KM	5.4	TONGA IS								
		H M S		DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
AFI	EP	ZNE	06 46 40		7									
	ES	ZNE	47 51											
	EL	ZNE	48 10											
	ELQ	Z	49 00											
	ET	ZNE	53 06											
SUV	EP	Z	06 46 57		8									-0.12
RAO	EP	Z	06 47 14		12									
	ES	Z	48 55											
RAR	EP	ZNE	06 47 59		13									-0.15
	ES	ZNE	50 13											
	ELQ	N	26											
	ELR	ZNE	53							22 13				
	ET	ZNE	07 01 19							17 11	60	8	46	9
SBA	EP	ZNE	06 54 56		58									-0.96
	ES	NE	07 03 05											
	ELQ	NE	09 46											
	ELR	Z	13 38											
H M S		EPICENTRE		DEPTH	MAG									
DEC 03 15 21 24		47.4S 99.9E		33KM		SEINDIAN RISE								
		H M S		DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
SBA	EP	ZNE	15 28 51		39									
	ES	E	34 54											
	ELQ	N	38 40											
	ELR	ZNE	39 33							6 23	3 19	7 19		
DEC 03	AFI	EP	Z	17 07 52										
	ES	NE	09 00											
SUV	EP	Z	17 08 15											
H M S		EPICENTRE		DEPTH	MAG									
DEC 03 17 10 39		16.1S 177.9W		33KM	4.7	FIJI IS								
		H M S		DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
SUV	ES	Z	17 12 23		4									
AFI	EP	ZNE	17 12 02		6									

	ES	NE	13 12											
RAO	EP	Z	17 13 49		16									
RAR	EP	Z	17 14 41		18									
DEC 03	SUV	EP	Z	17 29 05										
DEC 03	AFI	EP	Z	17 49 27										
	ES	NE	50 23											
H M S		EPICENTRE		DEPTH	MAG									
DEC 03 18 06 49		30.7S 178.0W		44KM		KERMADEC IS								
		H M S		DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
RAO	IP	Z	18 07 12		D									
	ES	Z	29											
H M S		EPICENTRE		DEPTH	MAG									
DEC 03 20 29 51		55.9S 127.3W		33KM	4.7	S PACIFIC CORD								
		H M S		DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
RAR	EP?	Z	20 37 33		42									
	ELQ	NE	46 41								8 12	11 12		
	ELR	Z	48 25								9 10			
	ET	ZNE	21 20 28											
AFI	ES	NE	20 46 40		54									
	ESSS	NE	51 40											
	EL	ZN	53 36											
DEC 04	AFI	EP	Z	08 44 41										
	ES	NE	45 06											
DEC 04	RAO	IP	Z	10 14 20.5U										
	ES	Z	30											
DEC 04	AFI	EP	Z	14 25 20										
	ES	NE	53											
DEC 04	SUV	EP	Z	21 47 15										
DEC 05	AFI	EP	Z	01 25 04										
	ES	NE	35											
	ET	ZNE	27 46											
DEC 05	AFI	EP	ZNE	16 38 34										-0.43
	E(S)	NE	40 14											
H M S		EPICENTRE		DEPTH	MAG									
DEC 05 17 13 39		19.8S 177.9W		348KM	4.4	FIJI IS								
		H M S		DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
SUV	EP	Z	17 14 56		4									
AFI	EP	Z	17 15 37		8									
	ES	NE	17 07											
H M S		EPICENTRE		DEPTH	MAG									
DEC 05 18 14 50.7		52.6N 173.2E		38KM	5.6	ALEUTIAN IS								
		H M S		DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
AFI	ESSS	NE	18 39 37		67									
	EL	ZN	45 00											
DEC 05	AFI	EP	ZNE	23 36 44										
	ES	ZNE	37 02											
DEC 06	AFI	EP	ZNE	00 36 26										
	ES	ZNE	48											
DEC 06	AFI	EP	ZNE	08 50 37										
	ES	ZNE	51 00											
	ET	ZNE	52 43											

		Z	H	M	S	EPICENTRE	DEPTH	MAG								
		Z	H	M	S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
AFI	EP	Z	06	19	40			77								
	ES	ZNE														
	ESS	ZNE														
	ESSS	ZN														
	ELQ	NE														
	ELR	ZNE														
SBA	EPP	Z	06	26	23			107								
	SKS	E														
	E	N														
	SP	ZE														
	ESS	ZNE														
	ELQ	N														
	ELR	ZNE														
DEC 09																
	H M S															
	EPICENTRE															
	DEPTH															
	MAG															
	DIR															
	DIS															
	LG															
	A/T															
	AZ															
	TZ															
	AN															
	TN															
	AE															
	TE															
	MAG															
	H M S															
	EPICENTRE															
	DEPTH															
	MAG															
	DIR															
	DIS															
	LG															
	A/T															
	AZ															
	TZ															
	AN															
	TN															
	AE															
	TE															
	MAG															
	H M S															
	EPICENTRE															
	DEPTH															
	MAG															
	DIR															
	DIS															
	LG															
	A/T															
	AZ															
	TZ															
	AN															
	TN															
	AE															
	TE															
	MAG															
	H M S															
	EPICENTRE															
	DEPTH															
	MAG															
	DIR															
	DIS															
	LG															
	A/T															
	AZ															
	TZ															
	AN															
	TN															
	AE															
	TE															
	MAG															
	H M S															
	EPICENTRE															
	DEPTH															
	MAG															
	DIR															
	DIS															
	LG															
	A/T															
	AZ															
	TZ															
	AN															
	TN															
	AE															
	TE															
	MAG															
	H M S															
	EPICENTRE															
	DEPTH															
	MAG															
	DIR															
	DIS															
	LG															
	A/T															
	AZ															
	TZ															
	AN															
	TN															
	AE															
	TE															
	MAG															
	H M S															
	EPICENTRE															
	DEPTH															
	MAG															
	DIR															
	DIS															
	LG															
	A/T															
	AZ															
	TZ															
	AN															
	TN															
	AE															
	TE															
	MAG															
	H M S															
	EPICENTRE															
	DEPTH															
	MAG															
	DIR															
	DIS															
	LG															
	A/T															
	AZ															
	TZ															
	AN															
	TN															
	AE															
	TE															
	MAG															
	H M S															
	EPICENTRE															
	DEPTH															
	MAG															
	DIR															
	DIS															
	LG															
	A/T															
	AZ															
	TZ															
	AN															
	TN															
	AE															
	TE															
	MAG															
	H M S															
	EPICENTRE															
	DEPTH															
	MAG															
	DIR															
	DIS															
	LG															
	A/T															
	AZ															
	TZ															
	AN															
	TN															
	AE															
	TE															
	MAG															
	H M S															
	EPICENTRE															
	DEPTH															
	MAG															
	DIR															
	DIS															
	LG															
	A/T															
	AZ															
	TZ															
	AN															
	TN															
	AE															
	TE															
	MAG															
	H M S															
	EPICENTRE															
	DEPTH															
	MAG															
	DIR															
	DIS															
	LG															
	A/T															
	AZ															
	TZ															
	AN															
	TN															

		H	M	S	EPICENTRE		DEPTH	MAG										
		DEC 15 19 19 51.2			56.7S	142.0W	32KM	5.8	S PACIFIC CORD.									
					H	M	S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
AFI	EP	Z	19	28	33				48	-0.41								6.5
RAR	EL	NE		39	38													
	P	ZNE	19	27	06.5				38									
	EL	NE		35	28													10 8
	ET	ZNE		43	54													
		H	M	S	EPICENTRE		DEPTH	MAG										
		DEC 15 23 05 22.6			7.5N	82.2W	26KM	5.9	S OF PANAMA									
					H	M	S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
RAR	EP	ZE	23	17	44				81									
	EPP	Z		20	31													
	ES	NE		27	56													8 12 7 7 6.7
	EPS	ZNE		28	48													
	E	E		31	49													
	ESS	ZNE		33	12													
	ELQ	N		39	44													
	ELR	ZNE		42	26							14	19					19 18
AFI	EP	Z	23	18	27				91	-0.29								7.2
	ES	E		29	00													
	ES	N		31	35													
	E	N		31	35													
	ESS	ZNE		35	53													
	EL	ZNE		47	24													
SBA	EP	Z	23	19	24				102									
	EPP	ZE		23	31													
	ESKS	NE		29	54													
	EPS	ZE		32	32													
	ESS	NE		38	10													
	LQ	NE		47	59													
	LR	ZNE		52	42							16	24	6	22	14	24	
		H	M	S	EPICENTRE		DEPTH	MAG										
		DEC 16 06 16 37			Z <th>06 <th>16 <th>37</th> <td colspan="7"></td> </th></th>	06 <th>16 <th>37</th> <td colspan="7"></td> </th>	16 <th>37</th> <td colspan="7"></td>	37										
		H	M	S	EPICENTRE		DEPTH	MAG										
		DEC 16 10 09 24.2			47.5S	100.0E	33KM	5.5	SE INDIAN RISE									
					H	M	S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
SBA	EP	Z	10	16	54				39	-1.03								5.8
	EPP	ZE		18	20													
	S	ZNE		23	00													7 11 6.4
	ELQ	NE		27	14													
	LR	ZNE		28	24							13	20	11	18	17	20	
		H	M	S	EPICENTRE		DEPTH	MAG										
		DEC 16 11 52 40			Z <th>11 <th>52 <th>40</th> <td colspan="7"></td> </th></th>	11 <th>52 <th>40</th> <td colspan="7"></td> </th>	52 <th>40</th> <td colspan="7"></td>	40										
		DEC 16 11 53 00			ZNE <th>11 <th>53 <th>00</th> <td colspan="7"></td> </th></th>	11 <th>53 <th>00</th> <td colspan="7"></td> </th>	53 <th>00</th> <td colspan="7"></td>	00										
		H	M	S	EPICENTRE		DEPTH	MAG										
		DEC 16 13 03 03			Z <th>13 <th>03 <th>03</th> <td colspan="7">U</td> </th></th>	13 <th>03 <th>03</th> <td colspan="7">U</td> </th>	03 <th>03</th> <td colspan="7">U</td>	03	U									
		DEC 16 13 14 40			Z <th>13 <th>14 <th>40</th> <td colspan="7"></td> </th></th>	13 <th>14 <th>40</th> <td colspan="7"></td> </th>	14 <th>40</th> <td colspan="7"></td>	40										
		DEC 16 13 15 25			ZNE <th>13 <th>15 <th>25</th> <td colspan="7"></td> </th></th>	13 <th>15 <th>25</th> <td colspan="7"></td> </th>	15 <th>25</th> <td colspan="7"></td>	25										
		H	M	S	EPICENTRE		DEPTH	MAG										
		DEC 16 20 39 06			Z <th>20 <th>39 <th>06</th> <td colspan="7"></td> </th></th>	20 <th>39 <th>06</th> <td colspan="7"></td> </th>	39 <th>06</th> <td colspan="7"></td>	06										
		DEC 16 20 40 46			NE <th>20 <th>40 <th>46</th> <td colspan="7"></td> </th></th>	20 <th>40 <th>46</th> <td colspan="7"></td> </th>	40 <th>46</th> <td colspan="7"></td>	46										
		H	M	S	EPICENTRE		DEPTH	MAG										
		DEC 16 21 16 36			24.7S	176.4W	44KM	4.5	S OF FIJI IS									
					H	M	S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
SUV	P	Z	21	18	32				8									
AFI	EP	Z	21	19	13				12									
RAR	EP	ZNE	21	20	11				16									
	ET	ZNE		35	41													

		H	M	S	EPICENTRE		DEPTH	MAG										
		DEC 16 22 17 22.2			22.8S	171.7E	41KM	4.6	LUYALTY IS									
					H	M	S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
SUV	EP	Z	22	19	19				8									
AFI	EP	Z	22	21	29				18									
	ES	NE		24	50													
	EL	Z		25	30													
SBA	ES	N	22	34	43				55									
	ELR	ZNE		43	19													
		H	M	S	EPICENTRE		DEPTH	MAG										
		DEC 16 23 06 42.8			17.7S	179.1W	573KM	5.2	FIJI IS									
					H	M	S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
SUV	EP	Z	23	07	53				2									
AFI	IP	Z	23	08	34.40				8	-0.09								
	IS	NE		10	07													
RAR	P	ZNE	23	10	24.4				19	-0.40								6.1
	ET	ZNE		25	32													
SBA	IP	ZNE	23	16	02.80				61									
	S	NE		23	44													
	E*SS	NE		26	54													
	*SSS	NE		31	26													
		H	M	S	EPICENTRE		DEPTH	MAG										
		DEC 17 01 32 21			ZNE <th>01 <th>32 <th>21</th> <td colspan="7">-0.60</td> </th></th>	01 <th>32 <th>21</th> <td colspan="7">-0.60</td> </th>	32 <th>21</th> <td colspan="7">-0.60</td>	21	-0.60									
		DEC 17 01 36 10			ZNE <th>01 <th>36 <th>10</th> <td colspan="7">3 18</td> </th></th>	01 <th>36 <th>10</th> <td colspan="7">3 18</td> </th>	36 <th>10</th> <td colspan="7">3 18</td>	10	3 18									
		H	M	S	EPICENTRE		DEPTH	MAG										
		DEC 17 16 10 46.9			21.8N	142.7E	303KM	5.0	MARIANA IS									
					H	M	S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
AFI	EP	Z	16	20	04				57	-0.73								5.8
		H	M	S	EPICENTRE		DEPTH	MAG										
		DEC 17 21 19 04.3			27.7S	178.0W	152KM	4.7	KERMADEC IS									
					H	M	S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
RAO	IP	Z	21	19	37				0									
	ES	Z		20	02													
SUV	EP	Z	21	21	27				10									
AFI	EP	Z	21	22	22				15									
	ES	NE		24	50													
	ET	ZNE		35	32													
RAR	EP	ZE	21	23	02				18									
	ES	ZNE		26	11													
	ET	ZNE		38	15													
SBA	EP	Z	21	27	52				51									
	E*PP	Z		28	28													
		H	M	S	EPICENTRE		DEPTH	MAG										
		DEC 17 22 44 00			Z <th>22 <th>44 <th>00</th> <td colspan="7"></td> </th></th>	22 <th>44 <th>00</th> <td colspan="7"></td> </th>	44 <th>00</th> <td colspan="7"></td>	00										
		DEC 17 22 45 33			NE <th>22 <th>45 <th>33</th> <td colspan="7"></td> </th></th>	22 <th>45 <th>33</th> <td colspan="7"></td> </th>	45 <th>33</th> <td colspan="7"></td>	33										
		H	M	S	EPICENTRE		DEPTH	MAG										
		DEC 18 13 20 24.0			44.5N	150.2E	32KM	5.4	KUPILE IS									
					H	M	S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
AFI	ESSS	N	13	44	18				68									
	EL	ZN		52	24													
		H	M	S	EPICENTRE		DEPTH	MAG										
		DEC 18 23 18 08			Z <th>23 <th>18 <th>08</th> <td colspan="7"></td> </th></th>	23 <th>18 <th>08</th> <td colspan="7"></td> </th>	18 <th>08</th> <td colspan="7"></td>	08										
		H	M	S	EPICENTRE		DEPTH	MAG										
		DEC 19 01 57 13			18.1S	179.3W	620KM	4.4	FIJI IS									
					H	M	S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG
AFI	EP	Z	01	59	15				8									
		H	M	S	EPICENTRE		DEPTH	MAG										
		DEC 19 02 21 26.9			18.1S	179.3W	617KM	5.5	FIJI IS									
					H	M	S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG

		Z	H	M	S	EPICENTRE	DEPTH	MAG	
	AFI EP	Z	02	23	28		8	-0.42	
	ES	NE		25	12				
	RAR EP	Z	02	25	11		19		
	ES	ZNE		28	11				
DEC 19	H M S					EPICENTRE	DEPTH	MAG	
	02 57 50.3		18.1S	179.3W	620KM	4.9	FIJI IS		
			H M S			DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
	AFI EP	Z	02	59	52		8	-0.92	
DEC 19	AFI EP	Z	10	11	05				
	ES	NE			23				
DEC 19	AFI EP	Z	10	56	52				
	ES	NE			57 11				
DEC 19	H M S					EPICENTRE	DEPTH	MAG	
	22 06 32.8		32.2S	78.8E	33KM	5.7	MID-INDIAN RISE		
			H M S			DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
	SBA EP	ZE	22	16	27		58	13 7	7.1
	S	ZNE			24 31				
	SCS	N			26 20				
	ESS	ZE			28 17				
	ELQ	N			31 46			14 28	
	ELR	ZE			34 30			11 24	18 18
DEC 20	H M S					EPICENTRE	DEPTH	MAG	
	00 08 15.3		40.2N	24.8E	33KM	5.3	AEGEAN SEA		
			H M S			DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
	AFI EPKP	Z	00	28	09		150		
DEC 20	AFI EP	Z	02	32	26				
	ES	NE			51				
	ET	ZNE			34 47				
DEC 20	AFI EP	Z	04	13	19				
	ES	NE			40				
DEC 20	SUV IP	Z	17	51	23		D		
DEC 20	AFI EP	ZNE	22	44	07				
DEC 21	H M S					EPICENTRE	DEPTH	MAG	
	10 38 23.8		30.0S	179.2W	290KM	5.4	KERMADEC IS		
			H M S			DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
	RAO IP	Z	10	39	07		D	5	
	ES	Z			38				5.8
	AFI EP	Z	10	42	07		17	-0.45	
	ES	NE			45 07				
	RAR EP	Z	10	42	32		20		
	E	N			44 26				
	SBA EP	Z	10	46	41		48		
DEC 21	H M S					EPICENTRE	DEPTH	MAG	
	17 50 12.8		19.1S	177.7W	394KM	5.1	FIJI IS		
			H M S			DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
	AFI IP	ZNE	17	51	57.5U		8	-0.03	
	ES	NE			53 19				
	RAO ES	Z	17	54	21		13		
	RAR EP	ZNE	17	53	47		17		
	SBA EP	ZNE	17	59	37		59	-0.87	5.6
DEC 21	H M S					EPICENTRE	DEPTH	MAG	
	22 06 34.2		19.4S	174.2W	224KM	4.3	TONGA IS		
			H M S			DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
	AFI EP	Z	22	08	01		6		
	ES	ZNE			59				

		Z	H	M	S	EPICENTRE	DEPTH	MAG	
	SUV EP	Z	22	08	14		7		
	RAR EP	Z	22	09	41		14		
	ES	ZNE			12 09				
DEC 22	H M S					EPICENTRE	DEPTH	MAG	
	00 28 50.4		52.4N	160.5E	32KM	5.5	OFF E KAMCHATKA		
			H M S			DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
	AFI ES	NE	00	49	24		70		
	EL	ZNE	01	00	30				
DEC 22	SUV EP	Z	00	42	10				
DEC 22	H M S					EPICENTRE	DEPTH	MAG	
	00 52 56.4		6.6N	124.1E	547KM	5.6	PHILIPPINE IS		
			H M S			DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
	AFI EP	Z	01	02	58		67		
	SBA EP	Z	01	04	47		88		
DEC 22	H M S					EPICENTRE	DEPTH	MAG	
	14 09 07.4		32.2S	79.0E	33KM	5.4	AMSTERDAM-NATURALISTE RIDGE		
			H M S			DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
	SBA EP	ZNE	14	19	01		58		
DEC 22	H M S					EPICENTRE	DEPTH	MAG	
	19 11 43.2		14.9S	167.0E	34KM	4.6	NEW HEBRIDES IS		
			H M S			DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
	SBA EP	Z	19	22	07		63	-1.22	5.9
DEC 22	H M S					EPICENTRE	DEPTH	MAG	
	19 41 23.1		58.4N	153.1W	51KM	6.5	KODIAK IS		
			H M S			DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
	AFI EP	ZNE	19	52	51		74		
	ES	ZNE	20	02	20				
	ESSS	E			10 20				
	EL	ZN			14 24				
	RAR P	ZNE	19	53	24.5		80		
	S	ZNE	20	03	27				
	ELQ	E			15				
	ELR	Z			17 11				
	SBA EPKP	Z	20	00	31		138		
	EPKP	ZNE			40				
	EPP	Z			03 32				
	ESKP	ZN			04 12				
	E	Z			38				
	EPCSPKP	Z			12 28				
DEC 23	H M S					EPICENTRE	DEPTH	MAG	
	08 13 57		22.3S	179.5W	575KM	3.9	S FIJI IS		
			H M S			DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
	SUV IP	Z	08	15	24		D	5	
	RAO EP	Z	08	15	49		10		
	AFI EP	Z	08	16	33		11		
	ES	NE			18 21				
	SBA EP	Z	08	22	45		56	-1.22	5.1
DEC 23	H M S					EPICENTRE	DEPTH	MAG	
	20 47 35.5		60.6N	140.7W	11KM	5.8	SE ALASKA		
			H M S			DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
	AFI ES	N	21	09	30		78		
	EL	ZNE			23 18				
DEC 24	H M S					EPICENTRE	DEPTH	MAG	
	02 18 39.4		15.0S	177.3W	366KM		FIJI IS		
			H M S			DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
	SUV EP	Z	02	20	02		5		
	AFI IP	ZNE	02	20	05		D	5	0.08
	ES	NE			21 10				

		SBA EP	Z	02 28 33	63 -1.11	5.7
DEC 24	AFI IP	Z	03 04 42	U	-0.40	
	ES	ZNE	05 07			
DEC 24	AFI EP	Z	05 39 56			
	ES	ZNE	40 17			
DEC 24	H M S	EPICENTRE	DEPTH	MAG		
	08 08 18	23.4S 176.1W	25KM	4.7	S FIJI IS	
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
	SUV EP	Z	08 10 08	7		
	RAO ES	Z	08 11 18	9		
	AFI EP	Z	08 10 46	10		
	ES	ZNE	12 31			
	RAR EP	ZNE	08 11 51	15		
	ES	ZNE	14 27			
	ET	ZNE	26 45			
DEC 24	H M S	EPICENTRE	DEPTH	MAG		
	14 38 52.1	16.1S 172.0W	11KM	4.8	SAMOA IS	
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
	AFI IP	Z	14 39 29	U	-0.60	
	E	ZNE	40			
	ES	ZNE	57			
	ET	ZNE	42 01			
	SUV EP	Z	14 41 11	9		
	RAR E(P)	Z	14 42 38	13		
	E(S)	ZN	44 04			
	EL	ZE	24			
DEC 24	AFI IP	ZN	14 55 04.9U			
	ES	ZNE	23			
DEC 24	AFI IP	Z	20 54 43	D	-0.40	
	ES	NE	55 02			
DEC 24	SBA EP	ZNE	23 18 09			
	E(LQ)	N	21 51			
	ELR	ZE	22 33			
DEC 25	H M S	EPICENTRE	DEPTH	MAG		
	02 57 58.5	18.1S 179.1W	626KM	5.6	FIJI IS	
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
	SUV IP	Z	02 58 16	D	2	
	AFI IP	ZNE	02 59 59	D	8	
	ES	ZNE	03 01 33			
	RAO EP	Z	03 00 27.5	14		
	ES	Z	02 29			5.7
	RAR IP	ZNE	03 01 39.6D	18	-0.66	
	ES	ZNE	04 09			
	EL	E	06 04			
	ET	Z	28			
	SBA P	ZNE	03 07 10	60	-0.11	7 5
	E*PP	Z	09 13			
	E*SP	Z	10 15			
	S	ZNE	14 41			9 7 16 7 9 9 6.6
	E*SS	ZNE	18 06			
DEC 25	AFI EP	Z	09 28 07			
DEC 25	AFI EP	Z	10 14 42			
	ES	ZNE	15 15			
	ET	ZNE	17 35			

		H M S	EPICENTRE	DEPTH	MAG	
DEC 25	10 38 44	26.4S 176.8W	32KM	4.3	S FIJI IS	
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
	RAO EP	Z	10 39 31	7		
	ES	Z	40 06			
	AFI EP	Z	10 41 53	13		
	ES	NE	44 13			
DEC 25	11 44 04.0	23.4S 180.0W	554KM	5.1	S OF FIJI IS	
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
	SUV IP	Z	11 44 36	5		
	RAO IP	Z	11 45 41	10		
	ES	Z	47 04			
	SBA P	ZNE	11 52 45	55	-0.82	5.6
DEC 25	AFI EP	Z	17 33 35			
	ES	ZNE	55			
DEC 25	18 17 45.8	18.1S 179.2W	613KM	4.1	FIJI IS	
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
	SUV EP	Z	18 19 06	2		
	AFI EP	Z	18 19 48	8	-0.18	
	ES	NE	21 26			
DEC 25	19 20 46.5	18.1S 179.2W	639KM	5.4	FIJI IS	
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
	SUV IP	Z	19 22 05	U	2	
	AFI EP	Z	19 22 47	8		
	ES	NE	24 16			
	RAO IP	Z	19 23 14	14		
	ES	Z	25 17			
	RAR EP	Z	19 24 26	19		
	ES	ZNE	27 25			
	ET	ZNE	39 32			
	SBA P	ZNE	19 29 57	60	-0.74	5.6
DEC 25	AFI EP	Z	19 28 18			
	ES	NE	29 45			
DEC 25	AFI EP	Z	20 42 35			
	ES	NE	44 10			
DEC 25	20 46 44.1	18.1S 179.1W	629KM	4.4	FIJI IS	
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
	SUV EP	Z	20 48 03	2		
	AFI EP	Z	20 48 45	8		
	ES	NE	50 22			
	RAR EP?	Z	20 50 23	18		
DEC 26	AFI EP	Z	00 14 46			
	ES	NE	15 33			
DEC 26	03 53 10.3	5.4S 151.6E	74KM	6.1	NEW BRITAIN	
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
	SUV EP	Z	03 59 11	29	0.26	6.8
	AFI EP	Z	04 00 12	37		
	E*PP	Z	41			
	ES	N	05 57			
	E*SS	NE	06 46			
	ESS	ZNE	08 44			
	EL	ZNE	10 32			

		ZNE		04 01 57.8U		50	
RAR	IP	Z	02 23				
	E+PP	Z	09 04				
	ES	E	16 16				
	EL	Z	17 10				
SBA	EP	ZNE	04 04 33			73	
	E+PP	Z	13 57				7 8
	S	Z	14 28				10 10 4 7 6.6
	SP	NE	32				14 9 9 10
	PS	E	23 46				
	ELQ	ZN	27 20				
	ELR						
H M S		EPICENTRE		DEPTH		MAG	
DEC 26	06 44 47.8	15.7S	175.4W	341KM	4.5	TONGA IS	
H M S		DIR DIS LG A/T AZ TZ		AN TN AE TE		MAG	
AFI	IP	ZNE	06 45 47.4D			4	0.07
	ES	NE	46 31				
SUV	EP	Z	06 46 18			6	
SBA	EP	Z	06 54 40			63	-1.22
DEC 26		AFI	EP	Z	11 45 35		
			ES	ZNE	53		
H M S		EPICENTRE		DEPTH		MAG	
DEC 26	18 05 38.1	23.8S	179.9W	510KM	5.0	S OF FIJI IS	
H M S		DIR DIS LG A/T AZ TZ		AN TN AE TE		MAG	
SUV	P	Z	18 07 14			6	
RAO	EP	Z	18 07 13			9	
	ES	Z	08 26				
AFI	EP	Z	18 08 17.1			12	-0.45
	ES	ZNE	10 26				
SBA	EP	Z	18 14 19			54	-1.05
H M S		EPICENTRE		DEPTH		MAG	
DEC 27	15 57 23.2	18.7S	175.9W	294KM	4.4	TONGA IS	
H M S		DIR DIS LG A/T AZ TZ		AN TN AE TE		MAG	
SUV	EP	Z	15 59 44			5	
AFI	EP	Z	15 58 45			6	
	ES	ZNE	59 50				
	ET	ZNE	16 07 42				
RAR	EP	ZNE	16 00 54			15	
	ET	ZNE	15 07				
DEC 27	AFI	EP	Z	16 58 12			
			ES	NE	41		
			ET	ZNE	17 00 34		
RAR	EP	ZE	17 00 40				
	ET	ZNE	14 27				
DEC 27	SUV	EP	Z	17 32 48			
			E	Z	54		
			E	Z	33 15		
H M S		EPICENTRE		DEPTH		MAG	
DEC 27	20 18 33.9	3.2N	126.8E	61KM	4.7	TALAUD IS	
H M S		DIR DIS LG A/T AZ TZ		AN TN AE TE		MAG	
SUV	EP?	Z	20 28 03			55	
AFI	EP	Z	20 29 05			63	
	ES	ZNE	37 30				
	EL	ZNE	48 00				
SBA	EP	ZNE	20 31 03			84	
H M S		EPICENTRE		DEPTH		MAG	
DEC 27	21 24 55	17.8S	174.7W	232KM	4.2	TONGA IS	
H M S		DIR DIS LG A/T AZ TZ		AN TN AE TE		MAG	
AFI	EP	Z	21 26 07			5	

	ES	ZNF	59				
	SUV	EP?	Z	21 26 30		7	
	RAR	EP	ZE	21 28 16		14	
DEC 28	AFI	EP	Z	02 57 02			
			ES	NE	29		
			ET	ZNE	59 18		
DEC 28	AFI	EP	Z	03 41 32			
			ES	NE	44 15		
H M S		EPICENTRE		DEPTH		MAG	
DEC 28	12 10 31.8	3.2N	126.9E	56KM	5.3	TALAUD IS	
H M S		DIR DIS LG A/T AZ TZ		AN TN AE TE		MAG	
AFI	EP	Z	12 20 58			63	
	ES	NE	30 00				
	EL	N	37 18				
EL	ZE	40 30					
SBA	EP	ZNE	12 23 07			84	
	ELR	ZNE	51 40				
H M S		EPICENTRE		DEPTH		MAG	
DEC 28	16 12 29	17.6S	178.8W	540KM	4.1	FIJI IS	
H M S		DIR DIS LG A/T AZ TZ		AN TN AE TE		MAG	
AFI	IP	Z	16 14 23.1U			8	-0.51
	ES	NE	15 54				
RAR	EP	Z	16 16 07			18	
DEC 28	SUV	E(P)	Z	16 13 41			
H M S		EPICENTRE		DEPTH		MAG	
DEC 28	20 32 25.0	27.6N	141.8E	37KM	5.9	RONIN IS	
H M S		DIR DIS LG A/T AZ TZ		AN TN AE TE		MAG	
AFI	EP	Z	20 42 38			61	
	ES	ZNE	51 00				
	ESSS	NE	57 38				
	EL	ZNE	21 00 18				
RAR	EP	Z	20 44 03			75	
	EL	ZNE	21 06 19				
SBA	E(SKS)	N	20 57 16			106	
	ESS	NE	21 06 04				
	ELR	ZNE	24 13				
DEC 29	AFI	IP	Z	01 07 19.5U			
			ES	NE	40		
H M S		EPICENTRE		DEPTH		MAG	
DEC 29	04 16 28.0	3.3S	143.1E	15KM	5.4	NEAR N NEW GUINEA	
H M S		DIR DIS LG A/T AZ TZ		AN TN AE TE		MAG	
AFI	ES	E	04 31 24			46	
	ESS	NE	34 18				
	ESSS	Z	35 18				
	EL	Z	38 42				
SBA	EP	ZNE	04 28 15			76	
	ES	NE	37 58				
	ELQ	NE	48 39				
	ELR	Z	52 06				3 22
DEC 29	AFI	EP	Z	08 09 40			
			ES	NE	11 10		
H M S		EPICENTRE		DEPTH		MAG	
DEC 29	11 43 31.4	22.8S	175.3W	82KM	4.2	TONGA IS	
H M S		DIR DIS LG A/T AZ TZ		AN TN AE TE		MAG	
AFI	EP	Z	11 45 32			9	
	ES	NE	47 07				
RAO	ES	Z	11 46 29			10	

		ZNE 11 46 40		14	
RAR	EP	ZNE	11 46 40		
	ES	ZNE	49 04		
	EL	E	50 33		
	ET	ZNE	12 01 22		
H M S	EPICENTRE		DEPTH	MAG	
DEC 29 18 39 47,2	6,6S	155.0E	71KM	5.4	SOLOMON IS
	H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
SBA EP	Z	18 51 06	71		
H M S	EPICENTRE		DEPTH	MAG	
DEC 29 23 40 59,1	10,7S	166.1E	185KM	5.3	SANTA CRUZ IS
	H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
AFI EP	ZNE	23 45 38	22	-0.34	6.1
SBA P	ZNE	23 51 34	67	-1.03	5.8
H M S	EPICENTRE		DEPTH	MAG	
DEC 30 02 06 29,0	54,1N	164.3W	13KM	5.7	UNIMAK IS
	H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
AFI ES	ZN	02 27 06	68		
	E	34 46			
	EL	36 52			
SBA EPKP	ZNE	02 25 45	133		
ESKP	Z	29 10			
ELR	ZNE	03 07 06		3 18	
DEC 30	AFI EP	ZNE	04 33 32		
	ES	ZNE	34 08		
	ET	ZNE	37 09		
H M S	EPICENTRE		DEPTH	MAG	
DEC 30 06 16 04,1	16,6S	71.1W	112KM	5.7	S PERU
	H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
SBA EP	ZNE	06 28 04	80	-0.58	6.3
	NE	49 36			
	ELR	53 38			
H M S	EPICENTRE		DEPTH	MAG	
DEC 30 06 31 52,8	17,9S	178.4W	599KM	4.8	FIJI IS
	H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
SUV EP	Z	06 33 11	3		
AFI EP	Z	06 33 47	8	-0.14	
ES	NE	35 21			
H M S	EPICENTRE		DEPTH	MAG	
DEC 30 11 42 08,5	19,3S	177.5W	582KM	5.3	FIJI IS
	H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
SUV EP	Z	11 43 33	4		
AFI IP	Z	11 44 01	D	8 -0.52	
ES	ZNE	45 30			
RAO EP	Z	11 44 25	13		
ES	Z	46 17			
RAR EP	Z	11 45 34	17		
H M S	EPICENTRE		DEPTH	MAG	
DEC 30 13 14 15,2	24,5S	116.1W	33KM	5.0	EASTER IS CORD.
	H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
AFI ES	ZE	13 31 28	53		
EL	E	37 25			
EL	Z	38 24			
H M S	EPICENTRE		DEPTH	MAG	
DEC 30 16 46 03	16,3S	168.0E	191KM	4.9	NEW HEBRIDES IS
	H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG
SBA EP	Z	16 56 02	62	-1.03	5.8

DISTANT EARTHQUAKES - OVERSEAS STATIONS

		H M S		EPICENTRE		DEPTH	MAG	
DEC 30	16 59 22,6	16,6S	172.4W	28KM	4.8	SAMOA IS		
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG		
AFI EP	ZNE	17 00 04				3 -0.24		
	NE	40						
	EL	ZNE	03 02					
RAR EP	Z	17 02 16				13		
	ES	NE	04 34					
DEC 30	RAO IP	Z	20 28 33	D				
	ES	Z	29 07					
AFI EP	Z	20 31 05						
	ES	NE	33 23					
	ET	ZNE	44 22					
RAR EP	ZNE	20 31 47						
	ES	ZNE	33 43					
DEC 31	AFI EP	Z	01 41 44					
	ES	NE	42 13					
	ET	ZNE	44 39					
DEC 31	AFI EP	Z	04 01 46					
	ES	NE	02 17					
	ET	ZNE	04 48					
DEC 31	AFI EP	Z	08 10 02					
	ES	NE	29					
	ET	ZNE	12 56					
		H M S		EPICENTRE		DEPTH	MAG	
DEC 31	09 24 33,7	35,0S	179.9W	32KM	4.5	E OF NORTH IS NZ		
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG		
RAO EP	Z	09 26 05				6		
	ES	Z	27 06					
SUV EP?	Z	09 28 37				17		
RAR EP	ZNE	09 29 28				22		
	ES	ZNE	33 20					
SBA EP?	Z	09 32 38				43		
	E	Z	54					
		H M S		EPICENTRE		DEPTH	MAG	
DEC 31	10 41 56,1	25,0S	177.2W	140KM	5.5	S FIJI IS		
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG		
RAO IP	Z	10 42 59	U			8		
	ES	Z	43 52					
SUV P	Z	10 43 49				8 0.02		
AFI EP	Z	10 44 37				12		
	ES	ZNE	46 44					
	ET	ZNE	52 47					
RAR EP	ZNE	10 45 39				16		
	ES	ZNE	48 31					
	ET	ZNE	11 00 02					
SBA IP	ZNE	10 51 05,7				53 -0.66		
	E*PP	Z	40					6.3
		H M S		EPICENTRE		DEPTH	MAG	
DEC 31	13 00 48	8,9S	117.1E	33KM		SUMBAWA IS		
		H M S	DIR DIS LG A/T	AZ TZ	AN TN	AE TE MAG		
SBA EP	ZNE	13 12 18				73		
DEC 31	AFI IP	ZNE	15 25 46,5U			-0.48		
	ES	NE	26 15					
	ET	ZNE	28 18					

DEC 31	H	M	S	EPICENTRE	DEPTH	MAG												
	19	43	41.7	9.6S 123.5E	4KM	5.3	TIMOR											
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG			
	AFI	EP		Z	19	54	16		63									
	SBA	EP		ZNE	19	55	05		72	-1.00					6.2			
		ELR		ZNE	20	18	36											

DEC 31	H	M	S	EPICENTRE	DEPTH	MAG												
	20	58	54.1	2.4N 128.7E	104KM	5.6	HALMAHERA											
				H M S	DIR	DIS	LG	A/T	AZ	TZ	AN	TN	AE	TE	MAG			
	SBA	EP		ZNE	21	11	08		83									

PUBLICATIONS BY STAFF MEMBERS

During 1965 the following papers by members of the Seismological Observatory staff were published:

5-131 Seismological Observatory.

N.Z. Dep. Sci. industr. Res. Inf. Ser. 43. 20 pp., illus.

An account of the work of the Observatory, its equipment and research programmes, together with a brief summary of New Zealand seismicity and a history of New Zealand seismology.

5-132 EIBY, G.A.: "The Assessment of Earthquake Felt Intensities".

Proc. 3rd World Conf. Eq. Engng 1: III62-III74.

The definition of felt intensity has been greatly influenced by the problem of making assessments under extremely varied field conditions. Difficulties in constructing and applying a satisfactory intensity scale, and the limitations of some scales in common use are discussed. Intensities cannot be closely correlated with ground accelerations, but they can be assessed with a high degree of mutual consistency. Instrumental measurements of acceleration are scarce, and likely to remain so. When treated statistically or presented in the form of isoseismal maps, estimates of intensity can be used for the investigation of differences in foundation conditions, characteristic and anomalous propagation of earthquake motion, and similar problems of seismological and engineering importance.

5-133 HEALY, J., LLOYD, E.F., BANWELL, C.J., and ADAMS, R.D.: "Volcanic Eruption on Raoul Island, November 1964".

Nature 205 (4973): 743-5.

Previous eruptions are briefly described. An earthquake swarm began on November 10, gradually assuming the character of continuous tremor. The largest earthquake, of magnitude 5.7 occurred on Nov 14. Discolouration of the water in Denham Bay and changes in the level and temperature of Green Lake were noticed. At 5.56 a.m. on Nov 21 an eruption occurred in the main crater. Steam, mud and rocks were thrown to a height of 2,500 ft. On Nov 23 it was considered advisable to evacuate the island. Aerial reconnaissance was made between then and Dec 6, when a scientific party returned, set up three additional seismographs and a tilt-meter, and collected geological samples. Soundings in Denham Bay revealed some submarine changes. After the scientific party left on Dec 12, the staff of the meteorological station remained, and operation of the permanent seismograph was resumed.

5-134 EIBY, G.A.: "The Modified Mercalli Scale of Earthquake Intensity and its Use in New Zealand".

N.Z. J. Geol. Geophys. 9: 122-9.

The nature and use of the Modified Mercalli intensity scale is explained, and the degrees of the scale redefined in terms capable of direct application in New Zealand.

5-142 "New Zealand Seismological Report 1961".

EXCHANGE AGREEMENTS

LIST OF MAPS

(in pocket inside back cover)

1. Epicentres of Earthquakes in 1965 having focal depths less than 40 km.
2. Epicentres of Earthquakes in 1965 having focal depths of 40 km or more.
3. Isoseismals of the earthquakes of 1965 May 20 and 1965 Jun 15.
4. Isoseismals of the earthquake of 1965 Dec 8.

ALE
40 60 80 100

75°

h=103k

e 65/27

OF 196

