

THE PENNSYLVANIA STATE UNIVERSITY
MINERAL INDUSTRIES EXPERIMENT STATION
DEPARTMENT OF GEOLOGY AND GEOPHYSICS
GEOPHYSICAL LABORATORY
Project B-130

Seismograph Report XXXVI

1 January 1965 - 31 December 1965

Code - SCP

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Locality: The station is located in a vault in the College of Mineral Industries storage shed. The instruments are mounted on a concrete pillar separated from the foundations and set on subsoil. The geographic coordinates are:

$\phi = 40^{\circ} 48' 35.5''$ N $= 77^{\circ} 52' 09.8''$ W H = 353 m

The geocentric coordinates are:

$\phi = 40^{\circ} 37'$ N $= 77^{\circ} 52'$ W

Height above sphere of equal volume = -1.63 km

Please address all communications to:

Geophysical Laboratory
207 Mineral Sciences Building
University Park, Pennsylvania, U.S.A., 16802

The State College Observatory is equipped with world-wide standard VELA-Uniform instruments. These were in continuous operation throughout the period covered by this report except for interruptions to change records and to make repairs and adjustments. The timing system failed on March 6. No usable records were made from then until March 30. The instrument calibrations were checked on June 13, 1964 and found to be:

<u>Component</u>	<u>Seismometer Period</u>	<u>Galvanometer Period</u>	<u>Damping Ratio A/A_{Reverse}</u>	<u>Sensitivity</u>
SPN	1 sec.	0.78 sec.	48	100,000
SPE	1 sec.	0.77 sec.	57	100,000
SPZ	1 sec.	0.72 sec.	58	100,000
LPN	30 sec.	100 sec.	critical	750
LPE	30 sec.	100 sec.	critical	750
LPZ	30 sec.	100 sec.	critical	750

On October 13, 1964 the shot period sensitivity was reduced to 50,000 on all three components.

On May 14, 1965 the calibrations were rechecked and found to be:

<u>Component</u>	<u>Seismometer Period (sec)</u>	<u>Galvanometer Period (sec)</u>	<u>Damping Ratio</u>	<u>Sensitivity</u>
SPN	1.007	0.78	34	50,000
SPE	.997	0.76	33	50,000
SPZ	.995	0.72	42	50,000
LPN	30.0	100.3	critical	750
LPE	30.0	99.5	critical	750
LPZ	30.2	100.0	critical	750

On May 18-23, 1965 the free periods of the long period instruments were reduced. On May 25 the magnification was increased. The characteristics were finally set at:

LPN	14.87	no change	critical	1,500
LPE	15.04	no change	critical	1,500
LPZ	15.0	no change	critical	1,500

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On September 17-24, 1965 the instruments were recalibrated and the constants found to be:

<u>Component</u>	<u>Seismometer Period (sec)</u>	<u>Galvanometer Period (sec)</u>	<u>Damping Ratio</u>	<u>Sensitivity</u>
SPN	1.007	0.78	17	50,000
SPE	.98	0.76	17	50,000
SPZ	1.005	0.74	17	50,000
LPN	14.9	99.75	critical	1,500
LPE	15.0	100.	critical	1,500
LPZ	15.0	100.	critical	1,500

During the summer of 1965, a series of chemical explosive blasts were detonated off the east coast of the United States. Most of these were weakly recorded at State College. Times of readable pulses are recorded in this report with the notation "NC BLAST" for the southern part of the series off the coast of the State of North Carolina and ECOOE (for East Coast Onshore-Offshore Experiment) for the northern part of the series off the coasts of the states of Maryland and Virginia.

Events marked "LOCAL" and "BLAST" are short-duration, high-frequency events with P - S times of 20 seconds or less. Most of these are quarry blasts in Pennsylvania and adjoining states. Only the larger of the many such events recorded daily are reported, and many of the reported events not so labeled are of this nature.

The time is controlled by a crystal clock which is checked daily against radio station WWV. Time signals are recorded automatically on the SPN component.

The recorded seismograms are filed with the U.S. Coast and Geodetic Survey in Washington, D. C. Copies of individual seismograms may be obtained from them. The list which follows shows the earliest observed motion of each earthquake recorded

and lists the components on which this earthquake is observable. Where readable, the direction of first motion is indicated by the following symbols:

N and S = North and South

E and W = East and West

U and D = Up and Down

i means readable to 0.1 sec. on at least 1 trace

e means not readable to 0.1 sec.

RF means record failure. No seismogram exists for this earthquake on this component.

* means earthquake recorded by this component, direction of first motion not read (no implication that it is unreadable)

- means seismogram exists but body waves not strongly or not clearly recorded. Surface waves may be clearly recorded.

DATE	GMT OF FIRST MOTION		TYPE OF ONSET	OBSERVABLE ON SHORT PER LONG PER						REMARKS
	NS	EW		Z	NS	EW	Z			
01 JAN 65	19-26-54		E	N	E	*	-	-	-	
01 JAN 65	20-17-38.5		I	N	*	D	-	-	-	
01 JAN 65	20-44-38		E	*	*	*	-	-	-	
01 JAN 65	21-31-05		E	*	*	*	-	-	-	BLAST
01 JAN 65	21-48-54		E	*	*	*	-	-	-	
01 JAN 65	22-07-08		E	-	-	-	-	*	*	
02 JAN 65	14-02-03		E	-	-	*	-	-	*	
02 JAN 65	16-17-26.2		I	N	E	U	-	-	-	
02 JAN 65	18-42-54		E	*	W	*	-	-	-	
02 JAN 65	21-35-39		E	*	*	*	-	-	-	BLAST
03 JAN 65	21-19-17		E	*	*	*	-	-	-	BLAST
03 JAN 65	23-22-19.5		I	N	E	D	-	-	-	
04 JAN 65	18-13-22		E	*	E	*	-	-	-	
04 JAN 65	19-41-55.5		I	*	*	U	-	-	-	
04 JAN 65	22-23-12.8		I	N	*	U	-	-	-	
04 JAN 65	22-27-53		E	N	E	*	-	-	-	
04 JAN 65	22-35-35		E	*	*	*	-	-	-	
04 JAN 65	23-28-20		E	*	*	*	-	-	-	BLAST
05 JAN 65	01-11-05.0		I	*	*	U	-	-	-	
05 JAN 65	20-32-22		E	N	E	*	-	-	-	
05 JAN 65	20-48-12.0		I	N	E	U	-	-	-	
05 JAN 65	21-47-33.3		I	N	W	U	-	-	-	
06 JAN 65	01-13-53.6		I	*	*	U	-	-	-	
06 JAN 65	02-06-53		E	*	*	*	-	-	-	
06 JAN 65	02-11-41		E	*	*	*	-	-	-	
06 JAN 65	09-31-18.4		I	*	*	U	-	-	-	
06 JAN 65	18-35-09.4		I	N	W	D	-	-	-	
06 JAN 65	20-31-49.0		I	*	E	U	-	-	-	
06 JAN 65	20-41-26.9		I	N	E	U	-	-	-	
06 JAN 65	23-07-25		E	*	*	*	-	-	-	BLAST
07 JAN 65	03-22-48		E	N	E	*	-	-	-	BLAST
07 JAN 65	03-24-01.5		I	*	*	U	-	-	-	
07 JAN 65	10-34-07-9		I	N	E	U	-	-	-	
07 JAN 65	14-21-54.6		I	N	E	U	-	-	-	
07 JAN 65	16-02-33.1		I	N	E	U	-	-	-	
07 JAN 65	18-21-21		E	*	*	*	-	-	-	
07 JAN 65	19-08-32		E	*	*	*	-	-	-	
07 JAN 65	19-31-24		E	*	*	*	-	-	-	
07 JAN 65	21-16-13		E	*	*	*	-	-	-	
07 JAN 65	21-35-06		E	*	*	*	-	-	-	
07 JAN 65	22-46-30		E	*	*	*	-	-	-	
07 JAN 65	23-11-41		E	*	*	*	-	-	-	BLAST
08 JAN 65	11-34-48		E	*	*	*	-	-	-	
08 JAN 65	19-55-45		E	*	*	*	-	-	-	
08 JAN 65	21-46-04		E	N	*	*	N	*	*	
08 JAN 65	23-23-48		E	*	*	*	-	-	-	BLAST
09 JAN 65	13-51-45		E	*	*	*	-	-	-	
09 JAN 65	22-13-39		E	*	RF	RF	-	-	-	BLAST
10 JAN 65	13-51-34		E	-	RF	RF	N	E	U	
10 JAN 65	16-18-23.6		I	N	E	U	-	-	-	

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON									REMARKS
			NS	EW	Z	NS	EW	Z	NS	EW	Z	
10 JAN 65	22-01-22	E	*	*	*	-	-	-				BLAST
11 JAN 65	04-15-41.9	I	*	*	U	-	-	-				
11 JAN 65	14-28-43.1	I	*	*	D	-	-	-				
11 JAN 65	16-30-36.1	I	S	E	U	-	-	-				
11 JAN 65	17-05-57.2	I	S	*	U	-	-	-				
11 JAN 65	17-24-04	E	-	-	-	-	-	*				
11 JAN 65	19-18-30.2	I	N	*	U	-	-	-				
11 JAN 65	20-27-08.8	I	*	*	U	-	-	-				
11 JAN 65	21-02-38.5	I	N	*	U	-	-	-				
11 JAN 65	22-45-22.9	I	*	W	D	-	-	-				
11 JAN 65	23-03-12	E	*	*	*	-	-	-				BLAST
12 JAN 65	03-19-45.2	I	N	*	U	-	-	-				BLAST
12 JAN 65	14-31-42	E	-	-	-	-	-	*				
12 JAN 65	16-42-02.0	I	N	E	U	-	-	-				
12 JAN 65	20-56-48.5	I	N	E	U	-	-	-				
12 JAN 65	23-10-04	E	*	*	*	-	-	-				BLAST
13 JAN 65	20-00-55.1	I	N	E	U	-	-	-				
14 JAN 65	08-33-41	E	*	*	*	*	*	U				
14 JAN 65	21-47-48.5	I	N	E	RF	-	-	-				
14 JAN 65	23-00-20	E	*	*	RF	-	-	-				BLAST
15 JAN 65	06-12-44	E	*	*	RF	-	-	-				
15 JAN 65	20-23-18.6	I	N	E	U	-	-	-				
15 JAN 65	20-26-39.1	I	N	*	U	-	-	-				
15 JAN 65	22-46-57.0	I	*	*	U	-	-	-				
16 JAN 65	00-13-12	E	-	-	-	*	*	*				
16 JAN 65	16-54-46.6	I	S	*	U	-	-	-				
16 JAN 65	20-37-51	EP	*	*	U	-	-	-				LOCAL
16 JAN 65	21-35-40	E	*	*	*	-	-	-				LOCAL
16 JAN 65	22-04-04	E	*	*	*	-	-	-				
17 JAN 65	02-10-16.6	IP	N	W	U	-	-	-				
17 JAN 65	02-22-09.8	IP	*	*	D	-	-	-				
17 JAN 65	02-40-44	E	-	-	-	-	-	*				
17 JAN 65	21-16-53.4	IP	N	E	D	-	-	-				LOCAL
17 JAN 65	21-25-45	E	*	*	*	-	-	-				
18 JAN 65	00-15-08.3	I	N	*	U	-	-	-				
18 JAN 65	18-38-13.5	IP	-	E	U	-	-	-				
18 JAN 65	19-57-34.4	IP	N	W	U	-	-	-				
18 JAN 65	21-13-26.5	IP	*	*	*	-	-	-				
18 JAN 65	21-38-16.1	IP	N	W	U	-	-	-				LOCAL
18 JAN 65	22-08-51.9	IP	*	E	D	-	-	-				LOCAL
19 JAN 65	16-10-35.5	IP	N	W	U	-	-	-				
19 JAN 65	21-20-21.6	I	N	E	U	-	-	-				
20 JAN 65	03-05-47.9	I	N	E	U	-	-	-				LOCAL
20 JAN 65	21-46-04.3	I	N	*	D	-	-	-				LOCAL
21 JAN 65	19-12-14	E	*	*	*	-	-	-				
21 JAN 65	19-15-29	E	*	*	*	-	-	-				
21 JAN 65	19-25-19.3	I	N	E	D	-	-	-				
21 JAN 65	21-40-45.8	I	*	*	U	-	-	-				
21 JAN 65	21-46-25.0	I	N	*	U	-	-	-				
21 JAN 65	23-57-09	E	*	*	*	-	-	-				

DATE	GMT OF FIRST MOTION			TYPE OF ONSET	OBSERVABLE ON SHORT PER LONG PER						REMARKS
	NS	EW	Z		NS	EW	Z	NS	EW	Z	
22 JAN 65	17-53-28.4	I	N	W	U	-	-	-			
22 JAN 65	19-22-06	E	*	*	*	-	-	-			
22 JAN 65	19-40-18.6	I	N	W	D	-	-	-			
22 JAN 65	20-40-30	E	*	*	*	-	-	-			
23 JAN 65	03-12-33	E	*	*	*	-	-	-			
23 JAN 65	20-13-58.9	I	N	*	U	-	-	-			
24 JAN 65	00-28-23.0	IP	*	*	U	*	*	*			
24 JAN 65	17-24-04.8	I	N	W	U	-	-	-			
24 JAN 65	17-56-22.6	I	N	*	U	-	-	-			
25 JAN 65	19-29-40	E	*	*	*	S	W	-			LOCAL
25 JAN 65	19-37-20	E	-	-	-	*	W	-			LOCAL
25 JAN 65	20-14-20.2	I	N	E	D	-	-	-			TWO EVENTS
26 JAN 65	17-39-52.9	IP	*	W	D	-	-	-			LOCAL
26 JAN 65	21-02-39.3	IP	N	W	U	-	-	-			
26 JAN 65	23-13-58.9	IP	*	*	D	-	-	-			LOCAL
27 JAN 65	20-30-52.9	I	S	*	U	-	-	-			LOCAL
27 JAN 65	23-36-11.6	I	N	E	U	-	-	-			LOCAL
28 JAN 65	04-11-20.6	I	N	-	-	-	-	*			
28 JAN 65	16-02-34.8	I	*	W	U	-	-	-			LOCAL
28 JAN 65	16-40-34	E	-	-	-	-	-	U			
28 JAN 65	19-15-32.6	IP	*	E	U	-	-	-			LOCAL
28 JAN 65	20-14-08.3	IP	S	E	D	-	-	-			
28 JAN 65	22-34-01.4	I	*	E	D	-	-	-			LOCAL
28 JAN 65	23-07-00	E	*	*	D	-	-	-			LOCAL
29 JAN 65	00-27-50	E	S	*	*	*	*	*			
29 JAN 65	02-37-20	E	-	-	-	*	*	*			
29 JAN 65	09-46-46.4	IP	N	-	U	-	-	-			
29 JAN 65	15-43-54.3	I	S	E	U	-	-	-			
29 JAN 65	18-13-05.4	IP	N	W	D	-	-	-			LOCAL
29 JAN 65	21-43-18.1	IP	N	*	U	-	-	-			LOCAL
29 JAN 65	23-42-46.9	I	N	*	D	-	-	-			LOCAL
30 JAN 65	13-30-59.7	I	S	E	D	-	-	-			LOCAL
30 JAN 65	18-01-20	E	-	-	-	-	-	-			LOCAL
30 JAN 65	20-40-48.9	IP	S	E	U	-	-	-			LOCAL
30 JAN 65	21-00-38	E	-	-	-	-	-	-			LOCAL
31 JAN 65	21-44-23	E	*	*	*	-	-	-			LOCAL
01 FEB 65	20-07-42.3	I	N	W	U	-	-	-			
01 FEB 65	22-04-28	E	N	*	*	-	-	-			
01 FEB 65	23-02-20	E	*	*	*	-	-	-			LOCAL
01 FEB 65	23-24-23	E	*	*	*	-	-	-			
02 FEB 65	04-36-08.8	I	N	*	U	-	-	-			
02 FEB 65	16-27-41.0	I	N	E	U	-	-	-			LOCAL
02 FEB 65	16-43-10	E	-	-	-	-	-	D			
02 FEB 65	21-03-44.3	I	S	E	*	-	-	-			LOCAL
02 FEB 65	21-56-26.6	IP	N	E	D	-	-	-			
02 FEB 65	22-52-14	E	*	*	D	-	-	-			BLAST
03 FEB 65	15-33-25.0	IP	S	E	D	-	-	-			
03 FEB 65	18-44-00	E	-	-	-	-	-	*			
03 FEB 65	19-25-53.5	IP	*	*	U	-	-	-			LOCAL
03 FEB 65	19-37-28.8	IP	*	W	D	-	-	-			LOCAL

DATE	GMT OF FIRST MOTION		TYPE	OBSERVABLE ON									REMARKS
	ONSET	NS		EW	Z	NS	EW	Z	NS	EW	Z		
03 FEB 65	22-31-47.7		IP	S	W	U	-	-	-				LOCAL
03 FEB 65	22-58-43.0		IP	*	*	*	-	-	-				LOCAL
04 FEB 65	03-25-48.3		I	N	E	D	-	-	-				BLAST
04 FEB 65	03-26-30.2		I	N	W	U	-	-	-				BLAST
04 FEB 65	03-44-55		E	*	*	D	*	-	-				
04 FEB 65	04-36-30		E	-	-	-	*	*	*				
04 FEB 65	05-12-12		E	N	W	D	*	*	*				
04 FEB 65	07-26-01.4		I	*	*	D	*	*	*				
04 FEB 65	07-34-16.4		I	*	*	D	*	*	*				
04 FEB 65	08-15-13.4		I	N	W	U	*	*	*				
04 FEB 65	08-17-16.2		I	S	*	U	*	*	*				
04 FEB 65	08-44-42.2		I	*	*	U	*	*	*				
04 FEB 65	08-51-26		E	*	*	D	*	*	*				
04 FEB 65	10-03-00.0		I	S	W	U	*	*	*				
04 FEB 65	11-38-23.6		I	*	W	U	*	*	*				
04 FEB 65	12-17-09.4		I	S	E	U	*	*	*				
04 FEB 65	13-01-58.9		I	*	*	U	*	*	*				
04 FEB 65	14-29-32.9		I	*	*	U	*	*	*				
04 FEB 65	16-02-30.7		I	*	*	U	*	*	*				
04 FEB 65	22-41-07.2		I	N	E	D	-	-	-				
05 FEB 65	00-04-28.3		IP	*	*	D	-	-	-				
05 FEB 65	06-52-49.7		I	N	E	U	-	-	-				
05 FEB 65	09-43-07.1		I	S	E	U	*	*	*				
05 FEB 65	09-52-04		E	N	E	*	-	-	-				
05 FEB 65	13-48-47.8		I	N	E	D	-	-	-				
05 FEB 65	14-19-24.2		I	N	W	U	-	-	-				
05 FEB 65	16-24-15.0		IP	S	E	U	-	-	-				LOCAL
05 FEB 65	19-27-21.6		IP	N	W	D	-	-	-				LOCAL
05 FEB 65	20-06-54.8		IP	S	*	D	-	-	-				LOCAL
05 FEB 65	20-58-12.7		I	*	*	D	*	*	*				
05 FEB 65	22-26-55.4		I	*	E	D	*	*	*				
05 FEB 65	22-45-30		E	*	*	*	-	-	-				BLAST
06 FEB 65	01-50-05.1		I	N	W	D	N	W	D				
06 FEB 65	04-13-48.3		I	S	W	U	*	*	*				
06 FEB 65	07-35-48.8		I	*	*	U	-	-	*				
06 FEB 65	08-57-53.4		I	*	*	U	-	-	*				
06 FEB 65	12-33-24.3		I	*	E	U	-	-	*				
06 FEB 65	14-22-11.3		I	N	*	U	-	-	-				
06 FEB 65	17-00-00.1		IP	N	W	D	N	W	D				
06 FEB 65	19-51-11.3		IP	N	E	U	-	-	-				LOCAL
06 FEB 65	20-05-53.0		IP	N	*	U	-	-	-				LOCAL
06 FEB 65	20-49-21.7		IP	S	*	U	-	-	-				LOCAL
06 FEB 65	23-59-20.6		I	*	*	U	*	*	*				
07 FEB 65	01-11-18.9		I	*	*	D	*	*	*				
07 FEB 65	02-28-13.8		IP	*	*	U	*	*	D				
07 FEB 65	04-22-17.7		I	*	*	U	*	*	*				
07 FEB 65	06-24-55.4		I	*	*	U	-	-	-				
07 FEB 65	08-07-48.3		I	N	E	U	-	-	-				
07 FEB 65	08-51-05.0		I	*	*	U	-	-	-				
07 FEB 65	09-36-39.7		I	*	*	U	*	*	*				

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON									REMARKS
			NS	EW	Z	NS	EW	Z	NS	EW	Z	
07 FEB 65	11-34-29.7	I	N	*	U	-	-	*				
07 FEB 65	12-32-25.8	I	N	*	U	-	-	-				
07 FEB 65	13-31-44.7	I	S	*	D	-	-	-				
07 FEB 65	14-58-12.0	I	*	*	U	-	-	-				
07 FEB 65	17-06-38	E	*	*	*	-	-	-				
07 FEB 65	17-24-05.5	I	*	*	U	-	-	-				
07 FEB 65	19-39-00	E	-	-	*	-	-	-				
07 FEB 65	20-38-52	E	-	E	*	-	-	-				
07 FEB 65	21-29-35	E	*	*	*	-	-	-				LOCAL
08 FEB 65	01-52-30.8	I	*	*	U	-	-	-				
08 FEB 65	05-18-47.5	I	*	*	U	-	-	-				
08 FEB 65	07-34-05	E	*	*	*	-	-	-				
08 FEB 65	09-40-16.3	I	-	-	U	-	-	-				
08 FEB 65	10-20-16.0	I	*	*	U	-	-	-				
08 FEB 65	15-57-59.4	I	N	W	D	-	-	-				
08 FEB 65	17-48-36.5	I	S	*	D	-	-	-				
08 FEB 65	22-22-26.9	IP	S	E	U	-	-	-				LOCAL
09 FEB 65	00-08-07.1	IP	*	W	*	-	-	-				LOCAL
09 FEB 65	15-32-44.0	IP	N	W	D	-	-	-				LOCAL
09 FEB 65	17-48-19.1	IP	N	W	D	-	-	*				
09 FEB 65	18-29-26.7	I	*	*	U	-	-	-				
09 FEB 65	19-34-01.8	IP	N	*	*	-	-	-				
09 FEB 65	21-05-50	E	*	*	*	-	-	-				
09 FEB 65	22-35-52.5	IP	*	*	U	-	-	-				LOCAL
09 FEB 65	23-17-58	E	*	*	U	-	-	-				BLAST
09 FEB 65	23-22-27.9	I	*	*	U	-	-	*				
10 FEB 65	00-49-06.5	I	*	*	U	-	-	-				
10 FEB 65	02-19-36.0	I	*	*	D	-	-	*				
10 FEB 65	16-17-15.6	I	N	-	-	-	-	-				
10 FEB 65	17-01-21.0	IP	S	E	U	-	-	-				
10 FEB 65	19-04-56.5	IP	N	*	D	-	-	-				LOCAL
10 FEB 65	20-35-43.4	IP	N	E	D	-	-	-				LOCAL
10 FEB 65	21-01-40	E	*	*	*	-	-	-				
10 FEB 65	21-35-39.2	E	*	*	*	-	-	-				
10 FEB 65	23-01-13.5	IP	S	W	D	-	-	-				LOCAL
11 FEB 65	06-57-28.2	IP	*	*	U	-	-	-				
11 FEB 65	13-15-53.4	I	*	*	D	-	-	-				
11 FEB 65	18-51-24.6	I	N	W	D	-	-	-				
11 FEB 65	22-32-53.6	IP	N	*	D	-	-	-				LOCAL
11 FEB 65	22-38-16	EP	*	*	*	-	-	-				
11 FEB 65	22-40-25.7	I	*	*	U	-	-	-				
12 FEB 65	00-54-14.6	I	*	*	D	-	-	-				
12 FEB 65	01-06-10.9	I	N	*	U	*	*	*				
13 FEB 65	17-08-37.5	IP	*	W	U	-	-	-				LOCAL
13 FEB 65	18-19-44.9	I	*	E	U	-	-	-				
13 FEB 65	20-02-33	E	*	*	*	-	-	-				LOCAL
13 FEB 65	21-27-34.6	IP	*	W	D	-	-	-				LOCAL
13 FEB 65	17-08-37.5	IP	*	W	U	-	-	-				LOCAL
13 FEB 65	18-19-44.9	I	*	E	U	-	-	-				
13 FEB 65	20-02-33	E	*	*	*	-	-	-				LOCAL

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON						REMARKS
			NS	EW	Z	NS	EW	Z	
13 FEB 65	21-27-34.6	IP	*	W	D	-	-	-	LOCAL
14 FEB 65	18-04-34	E	*	*	*	-	-	-	
14 FEB 65	19-46-09	E	*	*	*	-	-	-	
14 FEB 65	20-00-46	E	-	-	-	-	-	*	
14 FEB 65	20-47-13.0	IP	N	W	U	-	-	-	LOCAL
14 FEB 65	21-28-33.6	I	*	E	U	-	-	-	
14 FEB 65	21-51-30	E	-	-	-	-	-	*	
15 FEB 65	01-35-53	E	*	*	*	-	-	-	LOCAL
15 FEB 65	01-55-06	E	-	-	-	*	*	*	
15 FEB 65	05-12-31.8	I	*	*	U	-	-	-	
15 FEB 65	05-37-14	E	-	-	-	*	*	*	
15 FEB 65	06-16-02.8	I	*	*	U	-	-	-	
15 FEB 65	10-02-06	E	-	-	-	*	*	*	
15 FEB 65	11-01-26.7	I	-	-	U	-	-	-	
15 FEB 65	11-45-06	E	-	-	-	*	*	*	
15 FEB 65	12-47-28	E	*	*	*	-	-	-	
15 FEB 65	21-21-00.8	IP	S	W	D	-	-	-	LOCAL
15 FEB 65	21-54-55.3	IP	N	E	U	-	-	-	LOCAL
15 FEB 65	23-59-00	E	-	-	-	-	-	*	
16 FEB 65	09-02-00	E	-	-	-	*	*	*	
16 FEB 65	11-15-00	E	-	-	-	*	*	*	
16 FEB 65	15-02-39	E	*	*	*	-	-	-	
16 FEB 65	18-24-33	E	*	*	*	-	-	-	BLAST
16 FEB 65	20-00-20.3	IP	*	E	D	-	-	-	
16 FEB 65	21-39-15.4	IP	N	*	D	-	-	-	LOCAL
16 FEB 65	22-09-02.9	IP	N	E	D	-	-	-	LOCAL
16 FEB 65	23-01-05	E	*	E	U	-	-	-	BLAST
16 FEB 65	23-10-15.4	IP	*	*	*	-	-	-	LOCAL
17 FEB 65	10-24-14.0	IP	*	*	D	-	-	-	LOCAL
17 FEB 65	10-29-44.1	I	N	*	U	*	*	U	
17 FEB 65	14-25-00.4	IP	N	E	D	-	-	-	
17 FEB 65	19-39-42.5	IP	N	W	*	-	-	-	
18 FEB 65	07-37-58.8	I	*	*	U	-	-	-	
18 FEB 65	08-45-03.2	I	N	W	U	-	-	-	
18 FEB 65	18-46-18.7	I	N	W	D	-	-	-	
18 FEB 65	21-04-25.0	IP	N	*	U	-	-	-	LOCAL
18 FEB 65	21-40-20.6	IP	N	*	D	-	-	-	LOCAL
18 FEB 65	23-24-24.0	I	*	*	D	-	-	-	
18 FEB 65	23-44-00	E	-	-	-	*	*	*	
19 FEB 65	03-57-00	E	-	-	-	*	*	*	
19 FEB 65	07-03-00	E	-	-	-	*	*	*	
19 FEB 65	11-03-00	E	-	-	-	*	*	*	
19 FEB 65	19-28-00	E	*	*	*	*	*	*	
20 FEB 65	19-05-18.7	IP	N	*	U	-	-	-	LOCAL
20 FEB 65	19-07-36.2	IP	N	E	U	-	-	-	LOCAL
20 FEB 65	21-27-13.5	I	N	E	U	-	-	-	
20 FEB 65	22-17-32.4	I	*	*	D	-	-	-	
20 FEB 65	22-31-00.4	I	S	*	*	-	-	-	
21 FEB 65	12-03-00	E	-	-	-	*	*	*	
21 FEB 65	19-00-33	E	*	*	*	-	-	-	LOCAL

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON									REMARKS
			NS	EW	Z	NS	EW	Z	NS	EW	Z	
21 FEB 65	19-16-30	E	*	*	*	-	-	-				LOCAL
21 FEB 65	21-36-50	E	*	*	*	-	-	-				BLAST
22 FEB 65	09-25-54.3	I	*	E	D	-	-	-				
22 FEB 65	15-10-44	E	N	E	*	-	-	-				
22 FEB 65	16-49-13.2	IP	N	W	U	-	-	-				LOCAL
22 FEB 65	21-39-37.5	IP	*	W	D	-	-	-				LOCAL
22 FEB 65	22-34-00	E	-	-	-	-	-	*				
23 FEB 65	07-18-13.5	I	*	*	D	-	-	-				
23 FEB 65	17-08-46.3	IP	N	W	D	-	-	-				LOCAL
23 FEB 65	19-39-17.5	IP	N	*	U	-	-	-				LOCAL
23 FEB 65	21-35-20.6	IP	N	*	D	-	-	-				
23 FEB 65	22-22-33.2	IP	N	W	D	*	*	D				
23 FEB 65	22-51-01	E	*	*	U	-	-	-				
23 FEB 65	22-58-39	E	*	*	*	-	-	-				BLAST
24 FEB 65	03-06-05.4	I	N	*	U	-	-	-				
24 FEB 65	08-15-18	E	S	*	U	*	*	U				
24 FEB 65	17-31-46.0	IP	S	W	U	-	-	-				LOCAL
24 FEB 65	18-10-38.9	IP	S	E	U	-	-	-				LOCAL
24 FEB 65	19-39-51.5	I	S	E	U	-	-	-				
24 FEB 65	21-04-51.3	I	*	W	U	-	-	-				
24 FEB 65	21-22-52	E	*	*	*	-	-	-				
25 FEB 65	02-35-00	E	-	-	-	*	*	*				
25 FEB 65	05-23-00	E	-	-	-	*	*	*				
25 FEB 65	05-33-16.7	I	*	*	D	-	-	-				
25 FEB 65	06-32-01.5	I	*	*	D	-	-	-				
25 FEB 65	10-10-47	E	*	*	*	-	-	-				
25 FEB 65	11-23-00	E	-	-	-	-	-	*				
25 FEB 65	20-18-40	E	-	-	-	-	-	D				
26 FEB 65	06-26-30	E	-	-	-	-	-	D				
26 FEB 65	10-16-30	E	-	-	-	-	-	U				
26 FEB 65	19-22-40.2	IP	N	W	D	-	-	-				LOCAL
26 FEB 65	22-12-29.3	IP	S	E	U	-	-	-				LOCAL
26 FEB 65	23-03-22	E	-	*	*	-	-	-				BLAST
26 FEB 65	23-42-46.2	IP	S	*	D	-	-	*				
27 FEB 65	07-52-39	E	*	*	D	S	W	D				
27 FEB 65	11-41-11.3	IP	S	W	U	-	-	-				
27 FEB 65	18-03-52	EP	*	W	*	-	-	-				
27 FEB 65	19-25-18.7	IP	N	E	U	-	-	-				LOCAL
27 FEB 65	20-08-15.2	IP	*	W	U	-	-	-				LOCAL
27 FEB 65	20-51-54.0	IP	*	E	*	-	-	-				LOCAL
27 FEB 65	21-59-43	E	*	*	*	-	-	-				BLAST
28 FEB 65	21-36-50	E	*	*	*	-	-	-				BLAST
01 MRH 65	07-39-50	E	*	*	*	-	-	-				LOCAL
01 MRH 65	08-18-08	E	-	-	-	*	*	*				
01 MRH 65	15-13-43.0	I	N	W	U	-	-	-				
01 MRH 65	19-33-02.9	I	N	E	D	-	-	-				
01 MRH 65	19-59---	E	-	-	-	*	*	*				
01 MRH 65	20-08-40.4	IP	N	*	D	-	-	-				LOCAL
01 MRH 65	20-47-43.4	I	N	E	D	-	-	-				
01 MRH 65	20-49-02	E	*	*	D	-	-	-				MAY NOT BE START

DATE	MRH	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON						REMARKS
				NS	EW	Z	NS	EW	Z	
01	MRH	65 21-38-00.4	I	S	W	D	*	*	*	
01	MRH	65 22-18-07	E	*	*	*	-	-	-	LOCAL
01	MRH	65 22-31-42	E	*	*	*	-	-	-	LOCAL
02	MRH	65 06-53---	E	-	-	-	*	*	*	
02	MRH	65 10-21---	E	-	-	-	*	*	*	
02	MRH	65 19-52-28.3	I	S	W	D	-	-	-	
02	MRH	65 20-27-21.4	IP	-	E	D	-	-	-	LOCAL
02	MRH	65 20-29-15.5	IP	N	E	U	-	-	-	LOCAL
02	MRH	65 22-39---	E	-	-	-	*	*	*	
03	MRH	65 04-10---	E	-	-	-	*	*	*	
03	MRH	65 15-33-04.1	I	*	*	D	*	*	D	
03	MRH	65 16-57-00.7	I	N	*	*	*	*	*	
03	MRH	65 16-58-31.9	I	S	*	U	*	*	*	
03	MRH	65 17-08-23.5	I	N	E	U	*	*	*	
03	MRH	65 17-57-43.2	I	*	*	D	*	*	*	
03	MRH	65 19-33-55.4	I	*	*	*	-	*	*	
03	MRH	65 19-41-35.7	I	N	W	D	-	-	-	
04	MRH	65 02-34---	E	-	-	-	*	*	*	
04	MRH	65 06-41-13.6	I	S	W	U	-	-	-	
04	MRH	65 07-02---	E	-	-	-	*	*	*	
04	MRH	65 20-25-49.3	IP	N	W	D	-	-	-	LOCAL
04	MRH	65 20-54-04.2	IP	N	W	*	-	-	-	
05	MRH	65 06-25-50.5	I	*	*	D	*	*	*	
05	MRH	65 13-53-41.3	IP	N	W	U	*	*	*	
05	MRH	65 14-42-28.4	IP	S	E	D	*	*	D	
05	MRH	65 18-09-28	EP	*	*	*	*	*	*	
05	MRH	65 23-40-27	E	*	*	U	*	*	*	
06	MRH	65 08-32-56	E	*	*	U	*	*	*	TIME CORRECTION UN
06	MRH	65 11-27-07	E	S	*	D	-	-	-	TIME CORRECTION UN
06	MRH	65 13-58-08	EP	N	W	U	N	W	*	TIME CORRECTION UN
31	MRH	65 09-58-51.5	I	S	W	U	*	W	U	
31	MRH	65 10-57-03.4	I	*	-	U	*	*	*	
31	MRH	65 20-24-45	EP	*	*	*	-	-	-	LOCAL
31	MRH	65 21-31-40	E	*	*	*	-	-	-	LOCAL
31	MRH	65 21-40-16.6	IP	S	*	U	-	-	-	LOCAL
31	MRH	65 22-18-24	E	*	*	*	-	-	-	
31	MRH	65 23-00-06	E	*	*	*	-	-	-	BLAST
01	APR	65 13-09-41	E	*	*	*	-	-	-	
01	APR	65 21-48-50.3	I	N	*	U	*	*	*	
02	APR	65 18-09-03.5	IP	*	E	*	-	-	-	LOCAL
02	APR	65 21-29-00.9	I	*	*	D	-	-	-	
03	APR	65 03-20---	E	-	-	-	-	-	*	
03	APR	65 04-29---	E	-	-	-	-	-	*	
03	APR	65 11-26-55	E	-	-	-	*	*	*	
03	APR	65 11-35-18.2	I	*	*	D	*	*	*	
03	APR	65 20-02-42	E	*	W	*	-	-	-	
03	APR	65 20-05-16.5	IP	N	W	D	-	-	-	
03	APR	65 21-41-53	E	*	*	*	-	-	-	LOCAL
04	APR	65 13-41-33.8	IP	*	*	U	-	*	U	
04	APR	65 16-29---	E	-	-	-	-	*	*	

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON						REMARKS
			NS	EW	Z	NS	EW	Z	
04 APR 65	20-18-18.4	I	N	*	U	-	-	-	
05 APR 65	03-24-21.6	I	*	E	D	-	-	-	
05 APR 65	03-34---	E	-	-	-	*	*	*	
05 APR 65	07-13---	E	-	-	-	*	*	*	
05 APR 65	16-35-16	E	*	*	*	-	-	-	
05 APR 65	22-51-02	E	*	*	*	-	-	-	LOCAL
06 APR 65	03-30-03	E	*	*	*	-	-	-	
06 APR 65	10-01-41	E	*	*	*	-	-	-	
06 APR 65	10-04---	E	-	-	-	*	*	*	
06 APR 65	16-01-58.2	IP	N	W	U	-	-	-	LOCAL
06 APR 65	19-18-28.3	IP	N	*	U	-	-	-	LOCAL
06 APR 65	19-59-15.0	IP	*	*	*	-	-	-	LOCAL
06 APR 65	21-21-05.0	IP	*	*	U	-	-	-	LOCAL
06 APR 65	21-46-02.2	IP	N	*	D	-	-	-	LOCAL
07 APR 65	18-31---	E	*	*	*	-	-	*	SERIES OF LOCALS
07 APR 65	20-41-28.7	IP	N	E	U	-	-	-	LOCAL
07 APR 65	20-59-19.1	IP	*	*	D	-	-	-	LOCAL
07 APR 65	21-08-52.9	IP	*	*	U	-	-	-	LOCAL
08 APR 65	13-54-52.8	I	N	*	U	-	*	*	
08 APR 65	14-42-13.2	I	*	E	U	-	*	*	
08 APR 65	20-53-18.5	IP	S	W	D	-	-	-	LOCAL
08 APR 65	21-44-54.1	IP	N	*	U	-	-	-	LOCAL
08 APR 65	23-15-04.1	I	*	E	D	-	-	-	
09 APR 65	11-42---	E	-	-	-	*	*	*	
09 APR 65	17-23-16	E	*	*	*	-	-	-	
09 APR 65	17-57---	E	-	-	-	*	*	*	
09 APR 65	18-27-16.7	IP	N	E	U	*	*	*	
09 APR 65	23-49---	E	-	-	-	*	*	*	
10 APR 65	00-08-47.6	IP	S	W	U	-	-	-	
10 APR 65	13-53-03	E	-	-	-	*	*	*	
10 APR 65	17-06-04.6	IP	*	*	U	-	-	-	
10 APR 65	19-49-23	E	*	*	*	-	-	-	LOCAL
10 APR 65	21-16-51	E	*	*	*	-	-	-	
10 APR 65	22-21-14	E	-	-	-	*	*	*	
10 APR 65	22-50---	E	-	-	-	-	-	*	
11 APR 65	00-30-14	EP	*	*	*	-	-	-	
11 APR 65	01-10---	E	-	-	-	*	*	*	
11 APR 65	05-16---	E	-	-	-	*	*	*	
11 APR 65	15-05-34	E	*	*	*	-	-	-	
11 APR 65	23-13-35	E	*	*	*	-	-	-	
12 APR 65	04-08-29.0	I	*	*	*	-	-	-	
12 APR 65	04-26---	E	-	-	-	*	*	*	
12 APR 65	09-52---	E	-	-	-	*	*	*	
12 APR 65	18-19---	E	-	-	-	-	-	*	
12 APR 65	20-11---	E	*	*	*	-	-	-	LOCAL
12 APR 65	21-11-37.5	IP	*	*	*	-	-	-	LOCAL
12 APR 65	21-25---	E	-	-	-	-	-	*	
12 APR 65	22-27---	E	-	-	-	-	-	*	
12 APR 65	22-54-45.0	IP	*	*	*	-	-	-	LOCAL
13 APR 65	17-38-31.4	IP	*	*	U	-	-	-	LOCAL

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON SHORT PER LONG PER									REMARKS	
			NS	EW	Z	NS	EW	Z	NS	EW	Z		
13 APR 65	18-21----	E	-	-	-	-	-	-	*				
13 APR 65	19-56-48	E	*	*	*	-	-	-				LOCAL	
13 APR 65	20-30-08	E	*	*	*	-	-	-					
14 APR 65	07-44-31	E	*	*	*	-	-	-					
14 APR 65	08-04----	E	-	-	-	*	*	*					
14 APR 65	15-44-26.4	I	N	W	U	-	-	-				LOCAL	
14 APR 65	19-20-06.7	I	N	W	D	-	-	-					
14 APR 65	22-25-44.0	*	*	U	-	-	-	-	1				
14 APR 65	23-41-10	E	*	*	*	-	-	-					
14 APR 65	23-57-03.6	I	*	W	D	-	-	-					
15 APR 65	15-35-54.5	I	S	W	D	-	-	-					
15 APR 65	16-27-57.0	IP	N	*	U	-	-	-				LOCAL	
15 APR 65	17-00----	E	*	*	*	-	-	-					
15 APR 65	20-03-49	E	*	*	*	-	-	-					
15 APR 65	20-15-56	E	*	*	*	-	-	-					
15 APR 65	20-33-05.3	IP	N	E	U	-	-	-				LOCAL	
15 APR 65	23-30----	E	-	-	-	*	*	*					
16 APR 65	01-10----	E	-	-	-	*	*	*					
16 APR 65	11-18----	E	-	-	-	*	*	*					
16 APR 65	14-56-41.8	IP	*	*	U	-	-	-				LOCAL	
16 APR 65	17-11-17.2	IP	*	*	U	-	-	-				LOCAL	
16 APR 65	20-37-06.5	IP	N	E	U	-	-	-				LOCAL	
16 APR 65	23-31-21.3	I	*	*	D	*	*	*					
17 APR 65	00-11-29.7	I	*	*	D	*	*	*					
17 APR 65	21-27-11	E	*	*	*	-	-	-				BLAST	
18 APR 65	06-41-05	E	-	-	U	N	W	U					
18 APR 65	09-58----	E	-	-	-	*	*	*					
18 APR 65	15-18----	E	-	-	-	*	*	*					
18 APR 65	17-06-31.2	I	S	*	*	-	-	-				LOCAL	
19 APR 65	19-44-03	E	*	E	*	-	-	-					
19 APR 65	22-01-24	E	*	E	*	-	-	-				LOCAL	
19 APR 65	22-47-25.7	I	N	E	U	-	-	-					
19 APR 65	22-50-23	E	*	*	*	-	-	-				BLAST	
20 APR 65	00-21----	E	-	-	-	*	*	*					
20 APR 65	06-54-13.3	IP	*	*	U	-	-	-					
20 APR 65	07-17----	E	-	-	-	*	*	*					
20 APR 65	13-24----	E	-	-	-	-	-	-					
20 APR 65	16-41-37.0	IP	N	E	U	-	-	-				LOCAL	
20 APR 65	19-44-37	E	*	*	*	-	-	-					
20 APR 65	20-00-49.7	IP	N	W	D	-	-	-				LOCAL	
21 APR 65	21-02-34.1	IP	N	E	U	-	-	-					
21 APR 65	22-17-49.3	IP	*	*	U	-	-	-					
21 APR 65	22-46-59	E	*	*	*	-	-	-					
22 APR 65	17-23-11.5	IP	*	E	U	-	-	-					
22 APR 65	18-46-55.2	I	*	*	U	-	-	-					
22 APR 65	19-09----	E	-	-	-	*	*	*					
22 APR 65	20-23-03.8	IP	N	W	U	-	-	-				LOCAL	
22 APR 65	20-28-15.0	IP	*	*	U	-	-	-				LOCAL	
22 APR 65	22-15-02	E	*	*	*	-	-	-					
23 APR 65	05-26----	E	-	-	-	-	-	-	*				

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON						REMARKS
			NS	EW	Z	NS	EW	Z	
23 APR 65	19-01-57.5	I	*	*	*	-	-	-	SERIES OF LOCAL DIS
23 APR 65	20-14-26.8	IP	S	W	D	-	-	-	LOCAL BLAST
23 APR 65	22-32-37.2	IP	S	*	U	-	-	-	LOCAL BLAST
23 APR 65	22-59-38	E	*	*	*	-	-	-	LOCAL BLAST
24 APR 65	01-03---	E	-	-	-	*	*	*	
24 APR 65	09-11---	E	-	-	-	*	*	*	
24 APR 65	16-03-46	E	*	*	*	-	-	-	LOCAL
24 APR 65	21-51-20	E	*	*	*	-	-	-	LOCAL BLAST
24 APR 65	22-46---	E	-	-	-	*	*	*	
25 APR 65	01-25---	E	-	-	-	*	*	*	
25 APR 65	20-41-23	E	*	*	*	-	-	-	LOCAL BLAST
25 APR 65	21-26-05.0	I	*	*	U	-	-	-	
25 APR 65	21-50---	E	-	-	-	*	*	*	
26 APR 65	02-05-17.1	I	*	E	D	-	-	-	
26 APR 65	02-17---	E	*	*	*	*	*	*	
26 APR 65	10-51---	E	-	-	-	*	*	*	
26 APR 65	15-26-30	E	*	*	*	-	-	-	
26 APR 65	17-41-06.9	IP	N	W	D	-	-	-	
26 APR 65	20-38-33	E	*	*	*	-	-	-	
26 APR 65	20-51---	E	-	-	-	-	-	*	
26 APR 65	23-00---	E	-	-	-	*	*	*	
27 APR 65	11-13-05	E	*	*	*	-	-	-	
27 APR 65	14-20-40.6	IP	N	E	D	-	-	-	
27 APR 65	15-24-14.8	IP	N	W	D	-	-	-	LOCAL
27 APR 65	15-42-12.2	IP	N	*	D	-	-	-	LOCAL
27 APR 65	15-47-14.0	IP	N	*	*	-	-	-	LOCAL
27 APR 65	18-52-14.8	IP	*	W	D	-	-	-	LOCAL
27 APR 65	19-14-33.6	IP	S	*	U	-	-	-	LOCAL
27 APR 65	19-56-27	E	*	*	*	-	-	-	
27 APR 65	20-00-40	E	*	*	*	-	-	-	
27 APR 65	20-25---	E	-	-	-	*	*	*	
27 APR 65	22-11-19.1	IP	S	*	U	-	-	-	LOCAL
28 APR 65	11-25---	E	-	-	-	*	*	*	
28 APR 65	18-00-51.1	IP	S	E	D	-	-	-	
28 APR 65	20-56-07.2	IP	*	*	D	-	-	-	
28 APR 65	21-33-05	E	*	E	*	-	-	-	LOCAL
28 APR 65	21-45-20	E	*	*	*	-	-	-	BLAST
28 APR 65	21-59-41	E	*	*	*	-	-	-	LOCAL
29 APR 65	02-11-39.0	IP	N	E	U	-	-	-	LOCAL
29 APR 65	14-13-03.0	IP	*	E	U	-	-	-	LOCAL
29 APR 65	15-35-06.0	IP	S	E	U	S	E	U	
29 APR 65	17-51-51	E	*	*	*	-	-	-	
29 APR 65	18-27-38.2	I	*	*	U	-	-	-	
29 APR 65	18-35-34.2	I	*	*	U	-	-	-	
29 APR 65	20-00-26	E	*	*	*	-	-	-	
29 APR 65	20-06-32	E	*	*	*	-	-	-	
29 APR 65	20-54-54.6	IP	*	*	U	-	-	-	LOCAL
29 APR 65	21-30-21	E	*	*	*	-	-	-	
29 APR 65	21-32-54	E	*	*	*	-	-	-	
29 APR 65	21-43-40	E	*	*	*	-	-	-	

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON						REMARKS
			NS	EW	Z	NS	EW	Z	
30 APR 65	16-11-56.5	I	-	-	U	-	-	-	
30 APR 65	18-10-49.2	I	N	*	U	-	-	-	
30 APR 65	18-55-29.8	I	N	E	U	-	-	-	
30 APR 65	19-05-29	E	-	-	*	-	-	-	
30 APR 65	21-08-10.3	I	N	*	U	-	-	-	
30 APR 65	22-21-33	E	*	*	*	-	-	-	
01 MAY 65	02-06-20	E	*	*	*	-	-	-	
01 MAY 65	02-19-00	E	-	-	-	*	*	*	
01 MAY 65	20-11-38	E	*	*	*	-	-	-	BLAST
01 MAY 65	20-47-19.8	IP	S	*	U	-	-	-	
01 MAY 65	21-22-54	E	N	E	*	-	-	-	
01 MAY 65	21-36-09	E	*	*	*	-	-	-	
01 MAY 65	21-47---	E	-	-	-	*	*	*	
01 MAY 65	21-51-03	E	*	*	*	-	-	-	
02 MAY 65	08-05---	E	-	-	-	*	*	*	
02 MAY 65	18-16-29	E	*	*	*	-	-	-	
03 MAY 65	01-20-55.8	I	S	*	D	-	-	-	
03 MAY 65	10-07-36.0	IP	*	*	U	*	*	U	
03 MAY 65	13-24-16.0	IP	N	*	D	-	-	-	LOCAL
03 MAY 65	14-19-19	E	*	*	*	-	-	-	
03 MAY 65	16-19-39	E	*	*	*	-	-	-	
03 MAY 65	20-54-41.6	IP	*	*	U	-	-	-	
04 MAY 65	02-11-55	E	N	*	*	-	-	-	LOCAL
04 MAY 65	03-40-19.3	IP	N	E	U	-	-	-	LOCAL
04 MAY 65	09-25---	E	-	-	-	*	-	*	
04 MAY 65	19-37-34	E	*	*	*	-	-	-	LOCAL
04 MAY 65	20-47-36.8	IP	N	*	D	-	-	-	LOCAL
05 MAY 65	02-07-20.0	IP	N	*	*	-	-	-	LOCAL
05 MAY 65	17-46-07.0	IP	S	E	U	-	-	-	LOCAL
05 MAY 65	18-18-09.5	IP	S	E	*	-	-	-	LOCAL
05 MAY 65	19-14-54.7	IP	S	*	U	-	-	-	LOCAL
05 MAY 65	20-01-17	E	*	*	*	-	-	-	
05 MAY 65	23-13-01.5	I	*	*	U	-	-	-	
05 MAY 65	23-38---	E	-	-	-	*	*	*	
06 MAY 65	15-48-23	E	N	*	*	-	-	-	
06 MAY 65	16-29-04.0	IP	*	*	U	-	-	-	LOCAL
06 MAY 65	17-32-55	E	*	*	*	-	-	-	
06 MAY 65	17-41-53.2	IP	N	E	U	-	-	-	
06 MAY 65	21-06-45.8	I	*	W	D	-	-	-	
06 MAY 65	21-09-03	E	*	*	*	-	-	-	
06 MAY 65	21-50-27	E	*	*	*	-	-	-	LOCAL BLAST
07 MAY 65	16-42---	E	-	-	-	*	*	*	
07 MAY 65	17-31---	E	-	-	-	*	*	*	
07 MAY 65	18-26-30.2	IP	S	E	D	-	-	-	
07 MAY 65	19-53-21.0	IP	*	*	D	-	-	-	
07 MAY 65	20-51-37.5	IP	N	E	*	-	-	-	LOCAL
07 MAY 65	21-48-04.0	E	*	*	*	-	-	-	LOCAL BLAST
08 MAY 65	11-43-00.3	IP	S	*	D	-	-	-	
08 MAY 65	15-42-05	E	*	*	RF	-	-	-	
08 MAY 65	21-52-28.8	IP	S	*	RF	-	-	-	LOCAL

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON									REMARKS	
			NS	EW	Z	NS	EW	Z	NS	EW	Z		
09 MAY 65	14-27---	E	-	-	RF	*	*	*					
09 MAY 65	21-20-41	E	*	*	RF	-	-	-				LOCAL BLAST	
10 MAY 65	18-16-08	E	*	*	*	-	-	-					
10 MAY 65	18-42-50.6	I	N	E	U	-	-	-				LOCAL	
10 MAY 65	21-46-10	E	*	*	*	-	-	-				BLAST	
10 MAY 65	21-48-54.0	I	N	W	U	-	-	-					
10 MAY 65	22-13-03	E	*	*	*	-	-	-					
11 MAY 65	08-12-05	E	*	*	*	-	-	-					
11 MAY 65	17-46-03.8	I	S	W	D	*	*	*					
11 MAY 65	21-57-59.2	IP	*	*	U	-	-	-				LOCAL	
12 MAY 65	02-12-30.0	IP	N	W	U	-	-	-				LOCAL	
12 MAY 65	10-52-45	E	*	*	*	*	*	*					
12 MAY 65	14-15-52	E	N	E	*	-	-	-				LOCAL	
12 MAY 65	18-59-41	E	*	*	*	-	-	-					
12 MAY 65	19-16-38	E	*	*	*	-	-	-				LOCAL	
12 MAY 65	20-47-10	E	*	*	*	-	-	-					
13 MAY 65	00-13-27	E	*	*	*	-	-	-					
13 MAY 65	00-21---	E	-	-	-	*	*	*					
13 MAY 65	02-08-35.4	I	N	E	U	-	-	-					
13 MAY 65	02-32-42.9	I	S	*	D	-	-	-					
13 MAY 65	17-50-19.0	IP	N	E	U	-	-	-				LOCAL	
13 MAY 65	17-58-38.2	IP	*	W	U	-	-	-					
13 MAY 65	18-45-19.0	I	*	*	U	-	-	-				LOCAL	
13 MAY 65	18-55-54.2	I	S	E	U	-	-	-				LOCAL	
13 MAY 65	19-27-17	E	*	*	*	-	-	-					
14 MAY 65	17-04-18.0	IP	N	*	D	-	-	-				LOCAL	
14 MAY 65	17-36-59.6	IP	*	*	U	-	-	-				LOCAL	
14 MAY 65	19-19-59.0	IP	N	W	U	-	-	-				LOCAL	
14 MAY 65	23-30-30.1	IP	S	E	U	-	-	-				LOCAL	
14 MAY 65	23-46-49.0	IP	N	*	D	-	-	-					
15 MAY 65	20-17-29	E	*	W	*	-	-	-					
15 MAY 65	20-20-41	E	*	*	*	-	-	-					
15 MAY 65	21-12-23.4	I	*	*	U	-	-	-					
15 MAY 65	22-32-03	E	*	*	*	-	-	-				LOCAL BLAST	
16 MAY 65	01-00---	E	-	-	-	*	*	*					
16 MAY 65	11-54-38	E	*	*	*	-	-	-					
16 MAY 65	12-31---	E	-	-	-	*	*	*					
16 MAY 65	20-25-08	E	*	*	*	-	-	-				LOCAL BLAST	
17 MAY 65	14-36-10	E	*	*	*	-	-	-					
17 MAY 65	15-18-36	E	*	*	*	-	-	-					
17 MAY 65	16-39-25	E	*	*	*	-	-	-					
17 MAY 65	17-34-06	E	-	-	-	*	*	U					
17 MAY 65	17-36-06.4	I	*	E	U	*	*	*					
17 MAY 65	19-05-19.0	I	N	E	D	-	-	-					
17 MAY 65	21-18-40.1	IP	N	E	U	-	-	-				LOCAL	
17 MAY 65	21-26-39	E	*	E	*	-	-	-				LOCAL	
17 MAY 65	21-33-19.6	I	N	E	U	-	-	-				LOCAL	
17 MAY 65	22-43-56	E	*	*	*	-	-	-				LOCAL	
18 MAY 65	16-16-55.0	IP	N	*	U	-	-	-				LOCAL	
18 MAY 65	18-30-56.5	IP	*	*	U	-	-	-				LOCAL	

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON SHORT PER LONG PER									REMARKS
			NS	EW	Z	NS	EW	Z	NS	EW	Z	
18 MAY 65	19-20-31.2	IP	N	*	U	-	-	-				LOCAL
18 MAY 65	22-59-13.5	I	N	*	U	-	-	-				LOCAL
19 MAY 65	02-10-45.0	IP	*	*	U	-	-	-				LOCAL
19 MAY 65	03-56---	E	-	-	-	*	*	*				
19 MAY 65	06-23-31	E	*	*	*	-	-	-				
19 MAY 65	06-33---	E	*	*	*	*	*	*				
19 MAY 65	22-18-12	E	*	*	*	-	-	-				
19 MAY 65	22-43---	E	-	-	-	*	*	*				
20 MAY 65	00-55---	E	*	*	*	*	*	*				
20 MAY 65	02-24-43.0	I	*	*	D	-	-	-				
20 MAY 65	17-25-13.5	IP	N	W	D	-	-	-				LOCAL
20 MAY 65	20-47-17.6	IP	N	*	U	-	-	-				LOCAL
21 MAY 65	12-44---	E	*	*	*	-	-	-				LOCAL DISTURBANCES
21 MAY 65	15-08-53.8	IP	N	*	U	-	-	-				LOCAL
21 MAY 65	17-00-55.7	IP	N	*	U	-	-	-				LOCAL
21 MAY 65	17-10-56.2	IP	N	E	D	-	-	-				LOCAL
21 MAY 65	18-54-06.8	IP	S	*	U	-	-	-				LOCAL
22 MAY 65	15-06---	E	RF	-	-	*	*	*				
22 MAY 65	19-59-21.0	IP	RF	E	D	-	-	-				LOCAL
22 MAY 65	20-14-30.5	I	RF	*	D	-	-	-				LOCAL
22 MAY 65	20-35-35.6	IP	RF	*	U	-	-	-				LOCAL
23 MAY 65	20-06-48	E	*	*	*	-	-	-				LOCAL
23 MAY 65	23-57-11.2	I	S	W	U	*	*	*				
24 MAY 65	18-44-45.2	IP	N	W	U	RF	RF	-				LOCAL
24 MAY 65	23-40-05.2	I										
25 MAY 65	00-19---	E	-	-	-	RF	RF	*				
25 MAY 65	02-16-34.5	IP	N	W	D	RF	RF	*				LOCAL
25 MAY 65	13-18-37.5	I	-	*	U	RF	RF	*				
25 MAY 65	13-41---	E	-	-	-	RF	RF	*				
25 MAY 65	18-29-27	E	*	*	*	-	-	-				
25 MAY 65	19-28---	E	-	-	-	-	*	*				
25 MAY 65	21-55-29.2	IP	N	*	U	-	-	-				LOCAL
26 MAY 65	05-04-39.8	I	N	*	U	*	*	*				
26 MAY 65	07-42---	E	-	-	-	*	*	*				
26 MAY 65	15-32-56.7	IP	N	W	D	-	-	-				
26 MAY 65	18-33-25.3	I	*	E	*	-	-	-				
26 MAY 65	18-58-35	E	*	*	*	-	-	-				
26 MAY 65	19-40-57	E	*	*	*	-	-	-				
26 MAY 65	20-31---	E	-	-	-	-	-	*				
26 MAY 65	21-25-02.1	IP	N	*	U	-	-	-				LOCAL
26 MAY 65	21-41-44.0	I	*	*	D	-	-	-				
27 MAY 65	19-57---	E	-	-	-	*	*	*				
28 MAY 65	15-33-03.5	IP	N	E	U	-	-	-				
28 MAY 65	16-53-08.5	IP	*	E	U	-	-	-				
28 MAY 65	18-15-23	E	*	*	*	-	-	-				
28 MAY 65	18-48-55	E	*	*	*	-	-	-				
28 MAY 65	20-13-36.3	I	*	*	D	-	-	-				
28 MAY 65	22-25-49.0	I	*	E	U	-	-	-				
29 MAY 65	02-55---	E	-	-	-	*	*	*				
29 MAY 65	14-13-40	E	*	*	*	-	-	-				

DATE	GMT OF FIRST MOTION		TYPE OF ONSET	OBSERVABLE ON SHORT PER LONG PER									REMARKS
	NS	EW		Z	NS	EW	Z	NS	EW	Z			
29 MAY 65	15-07-27.7		IP	*	E	U	-	-	-				
29 MAY 65	16-32---		E	-	-	-	-	-	*				
29 MAY 65	16-37-38.1		I	N	*	U	-	-	-				
30 MAY 65	18-43-24.5		I	*	W	U	-	-	-				
30 MAY 65	19-42---		E	-	-	-	*	*	*				
30 MAY 65	20-39-15		E	*	*	*	-	-	-			BLAST	
31 MAY 65	02-58---		E	-	-	-	-	-	*				
31 MAY 65	03-27-41		E	*	*	*	-	-	-				
31 MAY 65	03-39---		E	-	-	-	*	*	*				
31 MAY 65	05-14-54.5		I	*	*	U	-	-	-				
31 MAY 65	05-27---		E	-	-	-	*	*	*				
31 MAY 65	11-57-45.8		I	*	*	U	*	*	U				
31 MAY 65	18-44-08		E	*	*	*	-	-	-			LOCAL	
31 MAY 65	20-53-08.0		I	S	*	D	*	*	*				
31 MAY 65	21-59-05.0		IP	*	*	U	-	-	-			LOCAL	
01 JUN 65	14-17---		E	-	-	-	*	*	*				
01 JUN 65	14-31-35.6		IP	S	-	D	-	-	-			LOCAL	
01 JUN 65	18-34-39.5		IP	*	*	D	-	-	-			LOCAL	
02 JUN 65	00-15-24.0		I	N	*	D	-	-	-				
02 JUN 65	14-11-44.5		IP	S	*	D	-	-	-			LOCAL	
02 JUN 65	19-26-01.1		IP	S	*	*	-	-	-			LOCAL	
02 JUN 65	19-46-10.8		IP	*	*	U	-	-	-			LOCAL	
02 JUN 65	20-52-44.7		IP	*	*	D	-	-	-			LOCAL	
02 JUN 65	23-47-30		E	*	E	U	*	E	U				
03 JUN 65	05-47---		E	-	-	-	*	*	*				
03 JUN 65	07-54-32.4		I	N	E	U	-	-	-				
03 JUN 65	08-18---		E	-	-	-	*	*	*				
03 JUN 65	11-02-16.1		I	N	*	U	*	*	*				
03 JUN 65	14-31-43.5		IP	*	E	U	-	-	-			LOCAL	
03 JUN 65	16-46---		E	-	-	-	-	-	*				
03 JUN 65	18-08-05.2		IP	*	*	U	-	-	-			LOCAL	
03 JUN 65	18-45-40		E	*	*	*	-	-	-				
03 JUN 65	19-41-21.8		IP	S	*	D	-	-	-			LOCAL	
03 JUN 65	19-53-36.9		IP	S	*	U	-	-	-			LOCAL	
04 JUN 65	00-32-49.8		IP	N	*	U	-	-	-			LOCAL	
04 JUN 65	15-36---		E	-	-	-	*	*	*				
04 JUN 65	15-46-23.8		IP	S	*	D	-	-	-			LOCAL	
04 JUN 65	16-35-19.4		IP	*	*	D	-	-	-			LOCAL	
04 JUN 65	17-25-07		E	*	*	*	-	-	-				
04 JUN 65	19-30-33.0		IP	S	*	D	-	-	-			LOCAL	
04 JUN 65	20-08-44.0		IP	*	*	D	-	-	-			LOCAL	
04 JUN 65	20-36-09.0		IP	*	*	D	-	-	-			LOCAL	
04 JUN 65	20-43-43.2		IP	N	E	U	-	-	-			LOCAL	
04 JUN 65	20-47-13.9		IP	S	E	U	-	-	-			LOCAL	
04 JUN 65	21-09-46.4		IP	*	*	D	-	-	-			LOCAL	
05 JUN 65	15-49-45		E	*	*	*	-	-	-				
05 JUN 65	16-44-00		E	*	*	*	-	-	-				
05 JUN 65	17-20-19.2		IP	*	E	U	-	-	-				
05 JUN 65	17-44-04.4		IP	S	E	*	-	-	-				
05 JUN 65	17-46-20		E	*	*	*	-	-	-				

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON SHORT PER LONG PER									REMARKS
			NS	EW	Z	NS	EW	Z	NS	EW	Z	
05 JUN 65	18-34-34.9	I	N	W	D	-	-	-	-	-	-	
05 JUN 65	19-11-18	E	*	*	*	-	-	-	-	-	-	
05 JUN 65	20-09-43	E	*	*	*	-	-	-	-	-	-	
05 JUN 65	20-26-40.7	I	N	*	U	-	-	-	-	-	-	
06 JUN 65	18-12-55.4	IP	N	E	U	-	-	-	-	-	-	
06 JUN 65	20-20-12	E	*	*	*	-	-	-	-	-	-	
07 JUN 65	15-16-09	E	N	W	*	-	-	-	-	-	-	
07 JUN 65	19-26-03	E	*	*	*	-	-	-	-	-	-	
07 JUN 65	19-36-55	E	*	*	*	-	-	-	-	-	-	
07 JUN 65	20-43-00	E	*	*	*	-	-	-	-	-	-	
07 JUN 65	20-45-44	E	*	E	*	-	-	-	-	-	-	
07 JUN 65	21-24-22.0	I	*	W	U	-	-	-	-	-	-	
07 JUN 65	21-58-50	E	*	*	*	-	-	-	-	-	-	BLAST LOCAL
08 JUN 65	00-31-52.3	I	N	*	U	-	-	-	-	-	-	
08 JUN 65	00-42-07.3	I	*	*	U	-	-	-	-	-	-	
08 JUN 65	13-46-14	E	*	*	*	*	*	*	*	*	*	
08 JUN 65	16-41-43	E	*	E	*	-	-	-	-	-	-	
08 JUN 65	21-18-50.0	I	*	E	U	-	-	-	-	-	-	
08 JUN 65	21-26-42	E	*	*	*	-	-	-	-	-	-	
09 JUN 65	00-33-34.0	I	*	E	U	-	-	-	-	-	-	
09 JUN 65	13-37-53.4	IP	*	*	U	-	-	-	-	-	-	
09 JUN 65	16-06-24.3	I	*	*	U	-	-	-	-	-	-	
09 JUN 65	17-12-48	E	*	*	*	-	-	-	-	-	-	
09 JUN 65	19-14-54.9	I	*	E	U	-	-	-	-	-	-	
09 JUN 65	22-46-01	E	*	*	*	-	-	-	-	-	-	
09 JUN 65	23-31-07.7	I	N	*	U	-	-	-	-	-	-	
10 JUN 65	01-39-24.4	I	N	*	D	-	-	-	-	-	-	
10 JUN 6	18-53-40	E	*	*	*	-	-	-	-	-	-	
10 JUN 6	19-24-53.0	I	N	W	U	-	-	-	-	-	-	
10 JUN 6	20-49---	E	-	-	-	*	*	*	*	*	*	
10 JUN 6	22-41-19.7	I	*	*	U	-	-	-	-	-	-	
11 JUN 65	02-15---	E	-	-	-	-	-	-	*	*	*	
11 JUN 65	02-48-36.0	IP	*	*	U	-	-	-	*	*	*	
11 JUN 65	02-57-18	E	-	-	-	N	*	*	*	*	*	
11 JUN 65	03-46-17.4	IP	*	*	U	*	*	*	*	*	*	
11 JUN 65	07-23-38.9	I	*	*	U	-	-	-	-	-	-	
11 JUN 65	08-53-34	E	*	*	*	-	-	-	-	-	-	
11 JUN 65	09-22---	E	-	-	-	*	*	*	*	*	*	
11 JUN 65	11-03---	E	-	-	-	*	*	*	*	*	*	
11 JUN 65	12-12-36	E	*	*	*	-	-	-	-	-	-	
11 JUN 65	12-43---	E	-	-	-	*	*	*	*	*	*	
11 JUN 65	20-58-51.4	I	N	*	U	-	-	-	-	-	-	
11 JUN 65	21-19-37.0	I	N	E	U	-	-	-	-	-	-	
11 JUN 65	22-32-25.9	I	*	*	U	-	-	-	-	-	-	
12 JUN 65	05-41-13	E	*	*	*	-	-	-	-	-	-	
12 JUN 65	05-53-34.0	I	*	*	*	-	-	-	-	-	-	
12 JUN 65	06-15---	E	-	-	-	*	*	*	*	*	*	
12 JUN 65	14-56-33	E	*	*	*	-	-	-	-	-	-	LOCAL
12 JUN 65	15-44-31	E	*	*	*	-	-	-	-	-	-	
12 JUN 65	17-42-45	E	*	*	*	-	-	-	-	-	-	

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON						REMARKS
			NS	EW	Z	NS	EW	Z	
12 JUN 65	18-31-28	E	*	E	*	-	-	-	
12 JUN 65	19-00-18.9	IP	*	*	U	*	E	U	
12 JUN 65	19-56-16	E	*	*	*	-	-	-	
12 JUN 65	22-43-57	E	*	*	*	-	-	-	
12 JUN 65	23-00-27	E	*	*	*	-	-	-	
13 JUN 65	02-33-26	E	*	*	*	-	-	-	
13 JUN 65	07-19-10.2	I	N	*	D	*	*	*	
13 JUN 65	20-13-44.6	I	*	*	U	*	*	*	
13 JUN 65	20-21-14	E	*	*	*	-	-	-	LOCAL
14 JUN 65	09-52-36	E	-	-	-	*	*	*	
14 JUN 65	13-01-29	E	*	*	*	-	-	-	
14 JUN 65	13-17-02	E	*	*	*	-	-	-	
14 JUN 65	17-43-59	E	*	*	*	-	-	-	
14 JUN 65	17-45-30	E	*	*	*	-	-	-	
14 JUN 65	17-57-43	E	-	*	*	-	-	-	
14 JUN 65	18-08-23	E	*	*	*	-	-	-	
14 JUN 65	18-12-21	E	*	*	*	-	-	-	
14 JUN 65	18-15-50	E	*	*	*	-	-	-	
14 JUN 65	19-12-26	E	*	*	*	-	-	-	
14 JUN 65	19-15-27	E	*	*	*	-	-	-	
14 JUN 65	19-18-16.0	I	N	*	U	-	-	-	
14 JUN 65	19-25-44	E	*	*	*	-	-	-	
14 JUN 65	19-55-17	E	*	*	*	-	-	-	
14 JUN 65	20-30-39	E	*	*	*	-	-	-	
14 JUN 65	20-38-28	E	*	*	*	-	-	-	
14 JUN 65	20-47-24	E	*	*	*	-	-	-	
14 JUN 65	20-55-38	E	*	*	*	-	-	-	
14 JUN 65	21-14-56	E	*	*	*	-	-	-	
14 JUN 65	21-52-48	E	*	*	*	-	-	-	
15 JUN 65	01-07-23.5	I	*	*	U	-	-	-	
15 JUN 65	04-57-10	E	*	*	*	-	-	-	
15 JUN 65	05-20---	E	-	-	-	*	*	*	
15 JUN 65	09-39-20	E	*	*	*	-	-	-	
15 JUN 65	10-29---	E	-	-	-	-	*	*	
15 JUN 65	14-30-12.5	I	*	*	U	-	-	-	
15 JUN 65	15-17-05	E	*	*	*	-	-	-	
15 JUN 65	15-25-57	E	*	*	*	-	-	-	
15 JUN 65	16-11-02	E	*	*	*	-	-	-	
15 JUN 65	17-48-25.4	I	*	*	U	-	-	-	
15 JUN 65	17-57-21	E	*	*	*	-	-	-	
15 JUN 65	18-45-30	E	*	*	*	-	-	-	
15 JUN 65	19-12-21	E	*	*	*	-	-	-	
15 JUN 65	19-15-43	E	*	*	*	-	-	-	
15 JUN 65	20-00-38	E	*	*	*	-	-	-	
15 JUN 65	20-08-32.5	I	*	*	U	-	-	-	
15 JUN 65	20-24-13	E	*	*	*	-	-	-	
15 JUN 65	23-34-17	E	*	*	*	-	-	-	
15 JUN 65	23-40---	E	-	-	-	*	*	*	
16 JUN 65	01-13-31	E	*	*	*	-	-	-	
16 JUN 65	04-07-34	E	-	-	-	-	-	*	

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON									REMARKS
			NS	EW	Z	NS	EW	Z	NS	EW	Z	
16 JUN 65	04-19-12.4	I	*	*	U	-	-	-				
16 JUN 65	13-46-53	E	*	*	*	-	-	-				
16 JUN 65	14-14-03	I	*	*	U	-	-	-				
16 JUN 65	14-56-09	E	*	*	*	-	-	-				
16 JUN 65	15-11-58	E	*	*	*	-	-	-				
16 JUN 65	17-47-02	E	*	*	*	-	-	-				LOCAL
16 JUN 65	18-13-39	E	*	*	*	-	-	-				
16 JUN 65	18-20-06	E	*	*	*	-	-	-				
16 JUN 65	19-13-10	E	*	*	*	-	-	-				
16 JUN 65	19-19-03.0	I	*	*	*	-	-	-				
16 JUN 65	19-32-25.0	I	*	*	*	-	-	-				
16 JUN 65	19-59-20.0	I	*	*	*	-	-	-				
16 JUN 65	20-14-46.7	I	*	*	U	-	-	-				
16 JUN 65	21-14-01	E	*	*	*	-	-	-				
16 JUN 65	22-08-43	E	*	*	*	-	-	-				LOCAL
16 JUN 65	22-44-06	E	*	*	*	-	-	-				
17 JUN 65	00-37-30	E	*	*	*	-	-	-				
17 JUN 65	11-49---	E	-	-	-	-	-	*				
17 JUN 65	14-36-07	E	*	*	*	-	-	-				
17 JUN 65	17-53-26	E	*	*	*	-	-	-				
17 JUN 65	18-17-06.0	I	*	*	U	-	-	-				
17 JUN 65	18-20-19	E	*	*	*	-	-	-				
17 JUN 65	19-10-53	E	*	*	*	-	-	-				
17 JUN 65	19-16-05.3	I	*	*	U	-	-	-				
17 JUN 65	19-21-43.6	I	*	*	*	-	-	-				
17 JUN 65	19-45-40	E	*	*	*	-	-	-				
17 JUN 65	21-01-50.2	I	*	*	D	-	-	-				
17 JUN 65	21-51-46.0	I	N	W	D	-	-	-				
18 JUN 65	13-13-37	E	*	*	*	-	-	-				
18 JUN 65	13-14-34	E	*	*	*	-	-	-				
18 JUN 65	14-56-19	E	*	*	*	-	-	-				LOCAL
18 JUN 65	15-30-04	E	*	*	*	-	-	-				LOCAL
18 JUN 65	15-56-54	E	*	*	*	-	-	-				LOCAL
18 JUN 65	16-46-44.2	I	*	*	D	-	-	-				LOCAL
18 JUN 65	17-53-16	E	*	*	*	-	-	-				
18 JUN 65	18-21-00	E	*	*	*	-	-	-				
18 JUN 65	18-40-43	E	*	*	*	-	-	-				
18 JUN 65	18-58-00	E	*	*	*	-	-	-				
18 JUN 65	19-01-51	E	*	*	*	-	-	-				LOCAL
18 JUN 65	19-13-47.6	I	*	*	U	-	-	-				
18 JUN 65	19-51-01	E	*	*	*	-	-	-				LOCAL
18 JUN 65	20-04-22	E	*	*	*	-	-	-				LOCAL
18 JUN 65	20-21-32	E	*	*	*	-	-	-				LOCAL
18 JUN 65	21-08-33	-	*	*	*	-	-	-				LOCAL
18 JUN 65	21-19-29	E	*	*	*	-	-	-				LOCAL
18 JUN 65	22-54-15.5	I	N	E	U	*	-	U				
18 JUN 65	23-31-42	E	*	*	*	-	-	-				
19 JUN 65	01-51---	E	-	-	-	*	*	*				
19 JUN 65	06-49-15.4	I	*	*	U	-	-	-				
19 JUN 65	14-17-55	E	*	*	*	-	-	-				LOCAL

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON						REMARKS
			NS	EW	Z	NS	EW	Z	
19 JUN 65	15-23-14	E	*	*	*	-	-	-	LOCAL
19 JUN 65	15-29-14	E	*	*	*	-	-	-	LOCAL
19 JUN 65	17-59-14	E	*	*	*	-	-	-	
19 JUN 65	18-56-28	E	*	*	*	-	-	-	LOCAL
19 JUN 65	19-56-01.7	I	*	*	D	-	-	-	LOCAL
19 JUN 65	20-24-23	E	*	*	*	-	-	-	LOCAL
19 JUN 65	20-29-00	E	*	*	*	-	-	-	LOCAL
19 JUN 65	21-54-23.5	I	*	*	U	-	-	-	LOCAL
20 JUN 65	02-09-58.2	I	*	*	U	-	-	-	
20 JUN 65	07-53-03	E	*	*	*	-	-	-	LOCAL
20 JUN 65	09-52-34	E	*	*	*	-	-	-	LOCAL
20 JUN 65	14-18-15	E	*	*	*	-	-	-	LOCAL
20 JUN 65	14-29-08.0	I	N	*	U	-	-	-	
20 JUN 65	18-11-34.0	I	*	W	D	-	-	-	
20 JUN 65	18-19-44	E	-	-	-	*	*	*	
20 JUN 65	18-32-22	E	*	*	*	-	-	-	
20 JUN 65	19-31-36	E	-	-	-	*	*	*	
20 JUN 65	20-32-45	E	*	*	*	-	-	-	LOCAL
21 JUN 65	00-34-55	E	*	*	*	-	-	-	
21 JUN 65	01-09---	E	-	-	-	*	*	*	
21 JUN 65	02-38-07.8	I	-	-	*	-	-	-	N C BLAST
21 JUN 65	05-43-50.3	I	-	-	*	-	-	-	N C BLAST
21 JUN 65	06-47-19.1	I	-	-	*	-	-	-	N C BLAST
21 JUN 65	09-01-53.1	I	*	-	-	-	-	-	N C BLAST
21 JUN 65	09-02-54.2	I	-	-	*	-	-	-	N C BLAST
21 JUN 65	10-54-47.4	I	-	-	*	-	-	-	N C BLAST
21 JUN 65	14-01-25	E	*	*	*	-	-	-	
21 JUN 65	14-28-38	E	*	*	*	-	-	-	LOCAL
21 JUN 65	15-09-33	E	*	*	*	-	-	-	LOCAL
21 JUN 65	16-56-03	E	*	*	*	-	-	-	
21 JUN 65	17-06-37	E	*	*	*	-	-	-	
21 JUN 65	17-37-54.0	I	*	*	D	-	-	-	
21 JUN 65	17-59-46	E	*	*	*	-	-	-	
21 JUN 65	19-05-39.5	I	*	*	D	-	-	-	LOCAL
21 JUN 65	19-33-24.3	I	*	*	D	-	-	-	
21 JUN 65	19-45-31	E	*	*	*	-	-	-	
21 JUN 65	19-49-34	E	*	*	*	-	-	-	
21 JUN 65	20-00-52	E	*	*	*	-	-	-	
21 JUN 65	20-13-53	E	*	*	*	-	-	-	
21 JUN 65	20-32-23	E	*	*	*	-	-	-	
21 JUN 65	20-59-32	E	*	*	*	-	-	-	LOCAL
21 JUN 65	21-29-12	E	*	*	*	-	-	-	LOCAL
22 JUN 65	01-53-16.4	I	-	-	*	-	-	-	N C BLAST
22 JUN 65	03-33-24.5	I	-	-	*	-	-	-	N C BLAST
22 JUN 65	05-13-18.6	I	-	-	*	-	-	-	N C BLAST
22 JUN 65	06-53-18.8	I	-	-	*	-	-	-	N C BLAST
22 JUN 65	08-33-37.7	I	-	-	*	-	-	-	N C BLAST
22 JUN 65	10-13-33.9	I	*	-	-	-	-	-	N C BLAST
22 JUN 65	11-12-21.8	I	*	*	D	-	-	-	LOCAL
22 JUN 65	13-00-34	E	*	*	*	-	-	-	LOCAL

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON						REMARKS
			NS	EW	Z	NS	EW	Z	
22 JUN 65	15-33-58.5	I	*	*	*	-	-	-	LOCAL
22 JUN 65	15-58-45	E	*	*	*	-	-	-	LOCAL
22 JUN 65	16-01-27	E	*	*	*	-	-	-	
22 JUN 65	16-27-34	E	*	*	*	-	-	-	
22 JUN 65	18-57-31	E	*	*	*	-	-	-	
22 JUN 65	19-26-03	E	*	*	*	-	-	-	
22 JUN 65	20-20-29	E	*	*	*	-	-	-	
22 JUN 65	20-56-24.8	I	*	*	*	-	-	-	
22 JUN 65	21-16-47	E	*	*	*	-	-	-	
22 JUN 65	21-23-02	E	*	*	*	-	-	-	
22 JUN 65	23-14-33	E	*	*	D	-	-	-	
23 JUN 65	00-07-09	E	*	*	D	-	-	-	
23 JUN 65	00-09-19	E	-	-	-	*	*	*	
23 JUN 65	00-30-07	E	*	*	*	-	-	-	
23 JUN 65	07-58-59	E	*	*	*	-	-	-	
23 JUN 65	11-08-05.4	I	-	-	-	*	*	U	
23 JUN 65	11-08-35.0	I	*	*	D	-	-	-	
23 JUN 65	12-32-11	E	*	*	*	-	-	-	
23 JUN 65	14-57-15	E	*	*	*	-	-	-	LOCAL
23 JUN 65	16-01-38	E	*	*	*	-	-	-	LOCAL
23 JUN 65	17-25-05	E	*	*	*	-	-	-	LOCAL
23 JUN 65	18-29-16.4	I	*	*	*	-	-	-	LOCA
23 JUN 65	21-06-05.5	I	*	*	*	-	-	-	
23 JUN 65	22-00-34.5	I	*	*	*	-	-	-	LOCAL
23 JUN 65	22-14-41.3	I	*	*	*	-	-	-	LOCAL
23 JUN 65	23-30-08	E	*	*	*	-	-	-	LOCAL
24 JUN 65	03-03-04.3	I	-	*	-	-	-	-	N C BLAST
24 JUN 65	03-03-14.3	I	-	-	*	-	-	-	N C BLAST
24 JUN 65	03-39-40.3	I	*	*	D	-	-	-	
24 JUN 65	03-51-51	E	*	*	*	-	-	-	
24 JUN 65	04-03-06.7	I	-	-	*	-	-	-	N C BLAST
24 JUN 65	04-03-15.0	I	-	*	-	-	-	-	N C BLAST
24 JUN 65	05-03-04.3	I	-	-	*	-	-	-	N C BLAST
24 JUN 65	05-03-06.5	I	-	*	-	-	-	-	N C BLAST
24 JUN 65	06-00-15.4	I	*	*	D	-	-	-	
24 JUN 65	06-03-20.2	I	-	*	-	-	-	-	N C BLAST
24 JUN 65	06-03-23.6	I	-	-	*	-	-	-	N C BLAST
24 JUN 65	07-03-05.2	I	-	*	-	-	-	-	N C BLAST
24 JUN 65	07-03-23.9	I	-	-	*	-	-	-	N C BLAST
24 JUN 65	08-03-05.2	I	-	-	*	-	-	-	N C BLAST
24 JUN 65	08-03-09.2	I	-	*	-	-	-	-	N C BLAST
24 JUN 65	08-04-13.5	I	*	*	*	-	-	-	
24 JUN 65	09-13-08.7	I	-	-	*	-	-	-	N C BLAST
24 JUN 65	09-13-25.9	I	-	*	-	-	-	-	N C BLAST
24 JUN 65	14-53-33.5	I	*	*	*	-	-	-	LOCAL
24 JUN 65	17-08-57.6	I	*	*	*	-	-	-	LOCAL
24 JUN 65	18-43-02	E	*	*	*	-	-	-	LOCAL
24 JUN 65	18-53-55.7	I	*	*	*	-	-	-	LOCAL
24 JUN 65	19-02-15	E	*	*	*	-	-	-	LOCAL
24 JUN 65	19-07-43.5	I	*	*	*	-	-	-	LOCAL

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON						REMARKS	STAD
			NS	EW	Z	NS	EW	Z		
24 JUN 65	19-15-25.4	I	*	*	U	-	-	-	LOCAL	
24 JUN 65	19-48-53.7	I	*	*	*	-	-	-	LOCAL	
24 JUN 65	19-53-50	E	*	*	*	-	-	-	LOCAL	
24 JUN 65	20-04-57	E	*	*	*	-	-	-	LOCAL	
24 JUN 65	22-01-48.9	I	*	*	*	-	-	-	LOCAL	
25 JUN 65	00-16-54.9	I	*	*	*	-	-	-	N C BLAST	
25 JUN 65	00-16-55.0	I	*	*	*	-	-	-	N C BLAST	
25 JUN 65	02-03-32.8	I	-	*	*	-	-	-	N C BLAST	
25 JUN 65	03-18-22.3	I	*	-	-	-	-	-	N C BLAST	
25 JUN 65	05-56-48.0	I	-	-	*	-	-	-	N C BLAST	
25 JUN 65	05-57-24.3	I	-	*	-	-	-	-	N C BLAST	
25 JUN 65	08-06-38.8	I	-	-	*	-	-	-	N C BLAST	
25 JUN 65	15-35-24.5	I	*	*	*	-	-	-	LOCAL	
25 JUN 65	15-54-51.5	I	*	*	*	-	-	-	LOCAL	
25 JUN 65	18-31-33.3	I	*	*	*	-	-	-	LOCAL	
25 JUN 65	19-56-11.2	I	*	*	*	-	-	-	LOCAL	
25 JUN 65	20-25-13	E	*	*	*	-	-	-	LOCAL	
25 JUN 65	20-32-30.3	I	*	*	*	-	-	-	LOCAL	
25 JUN 65	21-26-08.3	I	*	*	*	-	-	-		
25 JUN 65	22-07-58.0	I	*	*	U	-	-	-	LOCAL	
25 JUN 65	22-56-08.4	I	*	*	*	-	-	-		
26 JUN 65	00-54-15.2	I	*	*	U	-	-	-		
26 JUN 65	02-03-20.4	I	-	*	*	-	-	-	N C BLAST	
26 JUN 65	03-03-15.0	I	-	*	*	-	-	-	N C BLAST	
26 JUN 65	04-03-19.1	I	-	*	*	-	-	-	N C BLAST	
26 JUN 65	05-03-19.9	I	-	*	*	-	-	-	N C BLAST	
26 JUN 65	06-03-17.1	I	-	*	*	-	-	-	N C BLAST	
26 JUN 65	07-03-13.8	I	-	*	*	-	-	-	N C BLAST	
26 JUN 65	08-03-23.8	I	-	*	*	-	-	-	N C BLAST	
26 JUN 65	10-21-58.8	I	*	*	*	-	-	-		
26 JUN 65	15-55-21.5	I	*	*	*	-	-	-	LOCAL	
26 JUN 65	16-13-13.2	I	*	*	*	-	-	-		
26 JUN 65	16-19-49	E	*	*	*	-	-	-	LOCAL	
26 JUN 65	17-00-27.1	I	*	*	*	-	-	-		
26 JUN 65	17-58-18.2	I	*	*	*	-	-	-	LOCAL	
26 JUN 65	18-46-30.3	I	*	*	*	-	-	-		
26 JUN 65	19-19-02	E	*	*	*	-	-	-	LOCAL	
26 JUN 65	19-41-41.8	I	*	*	*	-	-	-	LOCAL	
26 JUN 65	19-52-27.7	I	*	*	*	-	-	-	LOCAL	
26 JUN 65	20-08-16	E	*	*	*	-	-	-		
26 JUN 65	20-31-38.2	I	*	*	*	-	-	-	LOCAL	
26 JUN 65	21-37-29.4	I	*	*	D	-	-	-		
26 JUN 65	22-08-24.5	I	*	*	*	-	-	-		
27 JUN 65	05-18-34.2	I	*	*	*	-	-	-		
27 JUN 65	09-01-34.5	I	*	*	D	-	-	-		
27 JUN 65	11-16-54.3	I	*	*	U	-	-	-		
27 JUN 65	11-16---	E	-	-	-	*	*	*		
27 JUN 65	14-56-33.4	I	*	*	*	-	-	-		
27 JUN 65	17-16-27.7I	I	*	*	*	-	-	-		
27 JUN 65	18-12-13.2I	I	*	*	*	-	-	-		

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON									REMARKS
			NS	EW	Z	NS	EW	Z	NS	EW	Z	
28 JUN 65	00-25-06.3	I	-	-	*	-	-	-	-	-	-	N C BLAST
28 JUN 65	02-03-07.2	I	-	-	*	-	-	-	-	-	-	N C BLAST
28 JUN 65	03-03-22.1	I	-	-	*	-	-	-	-	-	-	N C BLAST
28 JUN 65	03-52-28.6	I	*	*	D	-	-	-	-	-	-	N C BLAST
28 JUN 65	03-54---	E	-	-	-	*	*	*	-	-	-	
28 JUN 65	04-03-14.0	I	-	-	*	-	-	-	-	-	-	N C BLAST
28 JUN 65	05-03-26.7	I	-	-	*	-	-	-	-	-	-	N C BLAST
28 JUN 65	06-03-11.8	I	-	-	*	-	-	-	-	-	-	N C BLAST
28 JUN 65	07-03-07.6	I	-	-	*	-	-	-	-	-	-	N C BLAST
28 JUN 65	08-03-35.6	I	-	-	*	-	-	-	-	-	-	N C BLAST
28 JUN 65	10-22-30.0	I	-	-	*	-	-	-	-	-	-	N C BLAST
28 JUN 65	12-59-11.6	I	*	*	*	-	-	-	-	-	-	LOCAL
28 JUN 65	16-05-04.8	I	*	*	*	-	-	-	-	-	-	LOCAL
28 JUN 65	16-16-34.1	I	*	*	*	-	-	-	-	-	-	LOCAL
28 JUN 65	18-38-33.2	I	*	*	*	-	-	-	-	-	-	LOCAL
28 JUN 65	19-08-44.5	I	*	*	*	-	-	-	-	-	-	LOCAL
28 JUN 65	19-16-06.2	I	*	*	*	-	-	-	-	-	-	LOCAL
28 JUN 65	19-45-26.7	I	*	*	*	-	-	-	-	-	-	
28 JUN 65	22-47-10.2	I	*	*	*	-	-	-	-	-	-	
28 JUN 65	23-29-20.3	I	-	-	*	-	-	-	-	-	-	
29 JUN 65	01-18-12.0	I	*	*	*	-	-	-	-	-	-	
29 JUN 65	02-16-56.0	I	*	*	U	-	-	-	-	-	-	
29 JUN 65	03-39-02.2	I	N	E	D	-	-	-	-	-	-	LOCAL
29 JUN 65	03-39-05.3	I	S	W	U	-	-	-	-	-	-	
29 JUN 65	03-39-09.0	I	S	E	U	-	-	-	-	-	-	
29 JUN 65	04-11-10.3	I	S	-	D	-	-	-	-	-	-	
29 JUN 65	04-14-07.2	I	-	-	*	-	-	-	-	-	-	N C BLAST
29 JUN 65	05-44-05.8	I	-	-	*	-	-	-	-	-	-	N C BLAST
29 JUN 65	06-24-45	E	*	*	*	-	-	-	-	-	-	
29 JUN 65	08-06-57.3	I	*	*	*	-	-	-	-	-	-	LOCAL
29 JUN 65	12-14-04.8	I	*	*	*	-	-	-	-	-	-	LOCAL
29 JUN 65	13-50-38.2	I	*	*	*	-	-	-	-	-	-	LOCAL
29 JUN 65	14-58-06.1	I	*	*	*	-	-	-	-	-	-	
29 JUN 65	18-37-07.2	I	*	*	*	-	-	-	-	-	-	
29 JUN 65	18-57-46.8	I	*	*	*	-	-	-	-	-	-	
29 JUN 65	21-02-23.8	I	*	*	*	-	-	-	-	-	-	LOCAL
30 JUN 65	03-12-31.6	I	*	*	*	*	*	*	-	-	-	
30 JUN 65	04-02-37.8	I	*	*	*	-	-	-	-	-	-	BLAST
30 JUN 65	05-16-50.2	I	*	*	*	-	-	-	-	-	-	BLAST
30 JUN 65	08-44-23.1	I	W	*	U	-	-	-	-	-	-	
30 JUN 65	09-00---	E	-	-	-	*	*	*	-	-	-	
30 JUN 65	10-08-07.8	I	*	*	*	-	-	-	-	-	-	
30 JUN 65	12-48-09.7	I	*	*	*	-	-	-	-	-	-	
30 JUN 65	13-18-16.7	I	-	-	*	-	-	-	-	-	-	BLAST
30 JUN 65	14-17-23.1	I	*	*	*	-	-	-	-	-	-	LOCAL
30 JUN 65	16-14-09.4	I	*	*	*	-	-	-	-	-	-	
30 JUN 65	16-47-21.5	I	*	*	*	-	-	-	-	-	-	
30 JUN 65	17-03-03.4	I	*	*	*	-	-	-	-	-	-	LOCAL
30 JUN 65	17-18-21	E	*	*	*	-	-	-	-	-	-	LOCAL
30 JUN 65	17-20-45.2	I	*	*	*	-	-	-	-	-	-	

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DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON						REMARKS
			NS	EW	Z	NS	EW	Z	
30 JUN 65	17-30-08.9	I	*	*	*	-	-	-	
30 JUN 65	17-49-49.2	I	*	*	*	-	-	-	LOCAL
30 JUN 65	19-03-15.3	I	*	*	*	-	-	-	
30 JUN 65	19-10-41.5	I	*	*	*	-	-	-	LOCAL
30 JUN 65	20-09-21.3	I	*	*	U	-	-	-	
30 JUN 65	20-09-21.3	I	*	*	U	-	-	-	
30 JUN 65	21-34-10.7	I	*	*	*	-	-	-	LOCAL
30 JUN 65	21-45-40.6	I	*	*	*	-	-	-	
30 JUN 65	23-43-22.5	I	-	-	*	-	-	-	BLAST
01 JUL 65	05-05-11.1	I	*	*	*	-	-	-	
01 JUL 65	13-38-14.0	I	*	*	U	-	-	-	
01 JUL 65	14-53-28.7	I	*	*	*	-	-	-	LOCAL
01 JUL 65	15-46-33.2	I	*	*	*	-	-	-	
01 JUL 65	16-00-27.7	I	*	*	*	-	-	-	LOCAL
01 JUL 65	16-47-51.3	I	*	*	*	-	-	-	
01 JUL 65	17-22-20.9	I	*	*	*	-	-	-	
01 JUL 65	17-39-48.4	I	*	*	*	-	-	-	
01 JUL 65	17-53-20.6	I	*	*	D	-	-	-	
01 JUL 65	18-05-08	E	*	*	*	-	-	-	LOCAL
01 JUL 65	19-41-31.7	I	*	*	*	-	-	-	LOCAL
01 JUL 65	19-48-47.2	I	*	*	*	-	-	-	LOCAL
01 JUL 65	20-24-25.0	I	*	*	U	-	-	-	LOCAL
01 JUL 65	20-34-38.8	I	*	*	*	-	-	-	LOCAL
01 JUL 65	21-05-59.8	I	*	*	*	-	-	-	
01 JUL 65	21-15-21.5	I	*	*	*	-	-	-	
01 JUL 65	22-07-27.5	I	*	*	*	-	-	-	LOCAL
02 JUL 65	05-03-17.5	I	*	*	U	-	-	-	
02 JUL 65	15-27-01.0	I	*	*	U	-	-	-	LOCAL
02 JUL 65	15-46-46.4	I	*	*	*	-	-	-	
02 JUL 65	16-24-10.4	I	*	*	*	-	-	-	
02 JUL 65	16-40-02.4	I	*	*	*	-	-	-	
02 JUL 65	17-25-32.7	I	*	*	*	-	-	-	
02 JUL 65	17-29-11.7	I	*	*	*	-	-	-	LOCAL
02 JUL 65	18-06-21.7	I	*	*	*	-	-	-	LOCAL
02 JUL 65	18-13-56.6	I	*	*	*	-	-	-	
02 JUL 65	18-35-51.6	I	*	*	*	-	-	-	
02 JUL 65	18-38-27.7	I	*	*	*	-	-	-	LOCAL
02 JUL 65	19-03-09.2	I	*	*	*	-	-	-	LOCAL
02 JUL 65	20-30-37.4	I	N	*	U	-	-	-	
02 JUL 65	21-08-31.4	I	*	W	D	*	*	D	
03 JUL 65	00-22-10.3	I	*	*	*	-	-	-	
03 JUL 65	02-28-51.2	I	*	*	*	-	-	-	
03 JUL 65	14-14-54.2	I	*	*	*	-	-	-	
03 JUL 65	15-39-45.2	I	*	*	*	-	-	-	LOCAL
03 JUL 65	17-34-16.6	I	*	*	*	-	-	-	
03 JUL 65	17-42-29.2	I	*	*	*	-	-	-	LOCAL
03 JUL 65	18-30-12.3	I	*	*	*	-	-	-	
03 JUL 65	18-51-13.6	I	*	*	*	-	-	-	LOCAL
03 JUL 65	18-57-20	E	*	*	*	-	-	-	LOCAL
03 JUL 65	21-35-19	E	*	*	*	-	-	-	

DATE	GMT OF FIRST MOTION			TYPE	OBSERVABLE ON									REMARKS
	NS	EW	Z		ONSET	NS	EW	Z	NS	EW	Z			
04 JUL 65	14-18-21.4	I	*	*	*	-	-	-						
04 JUL 65	19-09-54.0	I	*	*	*	-	-	-						
05 JUL 65	08-38-20.9	I	*	E	D	*	*	*						
05 JUL 65	14-07-46.2	I	*	*	*	-	-	-						
05 JUL 65	17-41-42.8	I	*	*	*	-	-	-						
05 JUL 65	18-25-47.2	I	*	*	*	-	-	-					LOCAL	
05 JUL 65	20-59-25.9	I	*	*	*	-	-	-					LOCAL	
05 JUL 65	23-29-19.7	I	*	*	*	-	-	-						
06 JUL 65	01-07-19.2	I	*	*	*	-	-	-						
06 JUL 65	01-21-13.5	I	*	*	D	-	-	-						
06 JUL 65	03-30-12.0	I	N	E	D	N	E	D						
06 JUL 65	05-10-15.2	I	*	*	*	-	-	-						
06 JUL 65	14-27-09.0	I	*	*	*	-	-	-						
06 JUL 65	14-51-32	E	*	*	*	-	-	-					LOCAL	
06 JUL 65	15-58-45.3	I	*	*	*	-	-	-					LOCAL	
06 JUL 65	16-10-25.4	I	*	*	*	-	-	-					LOCAL	
06 JUL 65	17-38-56.2	I	*	*	*	-	-	-					LOCAL	
06 JUL 65	18-54-41.3	I	*	*	D	-	-	-						
06 JUL 65	19-07-22.2	I	*	*	*	-	-	-						
06 JUL 65	21-57-35.3	I	*	*	*	-	-	-						
07 JUL 65	02-01-56.0	I	*	*	*	-	-	-						
07 JUL 65	02-30-47.3	I	*	*	*	-	-	-					ECOOE	BLAST
07 JUL 65	03-30-50.9	I	*	*	*	-	-	-					ECOOE	BLAST
07 JUL 65	04-01-08.7	I	*	*	*	-	-	-					ECOOE	BLAST
07 JUL 65	05-01-08.4	I	*	*	*	-	-	-					ECOOE	BLAST
07 JUL 65	06-01-16.7	I	*	*	*	-	-	-					ECOOE	BLAST
07 JUL 65	07-01-16.6	I	*	*	*	-	-	-					ECOOE	BLAST
07 JUL 65	08-01-08.0	I	*	*	*	-	-	-					ECOOE	BLAST
07 JUL 65	09-01-35.5	I	*	W	*	-	-	-					ECOOE	BLAST
07 JUL 65	09-31-03.6	I	*	*	*	-	-	-					ECOOE	BLAST
07 JUL 65	11-31-26	E	*	*	*	-	-	-					ECOOE	BLAST
07 JUL 65	14-33-11.4	I	*	*	*	-	-	-						
07 JUL 65	14-48-30.0	I	*	*	*	-	-	-						
07 JUL 65	15-56-02.3	I	*	*	*	-	-	-						
07 JUL 65	15-25-53.4	I	*	*	*	-	-	-						
07 JUL 65	17-07-18.6	I	*	*	D	-	-	-					LOCAL	
07 JUL 65	18-00-57.2	I	*	*	*	-	-	-						
07 JUL 65	18-43-29.0	I	*	*	*	-	-	-						
07 JUL 65	18-52-52.4	I	*	*	U	-	-	-					LOCAL	
07 JUL 65	19-21-45.2	I	*	*	*	-	-	-						
07 JUL 65	19-52-04.5	I	*	*	*	-	-	-						
07 JUL 65	20-03-55.0	I	*	*	*	-	-	-					LOCAL	
07 JUL 65	20-25-20.9	I	*	*	*	-	-	-						
07 JUL 65	20-38-02.7	I	*	*	*	-	-	-						
07 JUL 65	21-04-43.9	I	*	*	U	-	-	-					LOCAL	
07 JUL 65	23-19-36.4	I	*	*	D	-	-	-						
07 JUL 65	23-46-19.2	I	*	*	*	-	-	-						
08 JUL 65	02-01-12.1	I	*	*	*	-	-	-					ECOOE	BLAST
08 JUL 65	03-01-14.5	I	*	*	*	-	-	-					ECOOE	BLAST
08 JUL 65	04-01-16.0	I	*	*	*	-	-	-					ECOOE	BLAST

DATE	GMT OF		TYPE	OBSERVABLE ON									REMARKS	
	FIRST	MOTION		OF	SHORT	PER	LONG	PER	NS	EW	Z	NS		EW
08 JUL 65	05-01-15.0	I	*	*	*	-	-	-	-	-	-	-	-	ECODE BLAST
08 JUL 65	06-01-19.5	I	*	*	*	-	-	-	-	-	-	-	-	ECODE BLAST
08 JUL 65	07-01-10.6	I	*	*	*	-	-	-	-	-	-	-	-	ECODE BLAST
08 JUL 65	07-30-46.6	I	*	*	*	-	-	-	-	-	-	-	-	ECODE BLAST
08 JUL 65	08-01-18.6	I	*	*	*	-	-	-	-	-	-	-	-	ECODE BLAST
08 JUL 65	08-30-44.7	I	*	*	*	-	-	-	-	-	-	-	-	ECODE BLAST
08 JUL 65	09-18-23	E	*	*	*	-	-	-	-	-	-	-	-	
08 JUL 65	09-31-06.9	I	*	*	U	-	-	-	-	-	-	-	-	ECODE BLAST
08 JUL 65	18-53-08.5	I	*	*	*	-	-	-	-	-	-	-	-	LOCAL
08 JUL 65	19-07-07.5	I	*	*	*	-	-	-	-	-	-	-	-	LOCAL
08 JUL 65	19-32-51.9	I	*	*	D	-	-	-	-	-	-	-	-	LOCAL
08 JUL 65	19-52-33	E	*	*	*	-	-	-	-	-	-	-	-	LOCAL
08 JUL 65	20-16-44.6	I	*	*	*	-	-	-	-	-	-	-	-	
08 JUL 65	20-40-51.6	I	*	*	*	-	-	-	-	-	-	-	-	LOCAL
08 JUL 65	21-07-11.3	I	*	*	*	-	-	-	-	-	-	-	-	
09 JUL 65	04-44-40.4	I	*	*	*	-	-	-	-	-	-	-	-	
09 JUL 65	13-11-48.3	I	*	*	*	-	-	-	-	-	-	-	-	LOCAL
09 JUL 65	14-08-36.4	I	*	*	*	-	-	-	-	-	-	-	-	
09 JUL 65	15-30-18.5	I	*	*	*	-	-	-	-	-	-	-	-	
09 JUL 65	16-16-55.3	I	*	*	*	-	-	-	-	-	-	-	-	LOCAL
09 JUL 65	16-50-38.1	I	*	*	*	-	-	-	-	-	-	-	-	
09 JUL 65	16-57-17	E	*	*	*	-	-	-	-	-	-	-	-	LOCAL
09 JUL 65	17-36-42.2	I	*	*	*	-	-	-	-	-	-	-	-	
09 JUL 65	17-49-13.6	I	*	*	U	-	-	-	-	-	-	-	-	LOCAL
09 JUL 65	18-24-29.1	I	*	*	*	-	-	-	-	-	-	-	-	
09 JUL 65	18-33-36.9	I	*	*	*	-	-	-	-	-	-	-	-	LOCAL
09 JUL 65	18-53-35.7	I	*	*	*	-	-	-	-	-	-	-	-	
09 JUL 65	19-33-58.3	I	*	*	*	-	-	-	-	-	-	-	-	LOCAL
09 JUL 65	19-42-27.5	I	*	*	*	-	-	-	-	-	-	-	-	
09 JUL 65	20-42-15.6	I	*	*	*	-	-	-	-	-	-	-	-	
09 JUL 65	21-12-30.5	I	*	*	*	-	-	-	-	-	-	-	-	LOCAL
09 JUL 65	21-18-03.5	I	*	*	*	-	-	-	-	-	-	-	-	LOCAL
09 JUL 65	21-31-04.1	I	*	*	*	-	-	-	-	-	-	-	-	
09 JUL 65	23-40-03.7	I	*	*	*	-	-	-	-	-	-	-	-	
10 JUL 65	00-26-09.4	I	*	*	*	-	-	-	-	-	-	-	-	
10 JUL 65	01-20-38.7	I	*	*	*	-	-	-	-	-	-	-	-	
10 JUL 65	01-27-14.8	I	*	*	D	-	-	-	-	-	-	-	-	
10 JUL 65	01-36-21.6	I	*	*	*	-	-	-	-	-	-	-	-	
10 JUL 65	02-13-06.8	I	*	*	*	-	-	-	-	-	-	-	-	
10 JUL 65	04-37-59.1	I	*	*	*	-	-	-	-	-	-	-	-	
10 JUL 65	15-28-01	E	*	*	*	-	-	-	-	-	-	-	-	
10 JUL 65	16-59-27.6	I	*	*	*	-	-	-	-	-	-	-	-	LOCAL
10 JUL 65	18-15-50.6	I	*	*	*	-	-	-	-	-	-	-	-	
10 JUL 65	18-48-26	E	*	*	*	-	-	-	-	-	-	-	-	
10 JUL 65	19-35-09.3	I	*	*	D	-	-	-	-	-	-	-	-	
10 JUL 65	19-45-03.2	I	*	*	*	-	-	-	-	-	-	-	-	
10 JUL 65	20-43-16.2	I	*	*	*	-	-	-	-	-	-	-	-	
11 JUL 65	06-20-52.3	I	-	-	*	-	-	-	-	-	-	-	-	
11 JUL 65	07-21-40.8	I	-	*	*	-	-	-	-	-	-	-	-	
11 JUL 65	07-41-07.7	I	*	*	*	-	-	-	-	-	-	-	-	

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON						REMARKS
			NS	EW	Z	NS	EW	Z	
11 JUL 65	08-10-03.6	I	-	-	*	-	-	-	
12 JUL 65	02-12-25.5	I	*	*	*	-	-	-	
12 JUL 65	02-16-20.7	I	*	*	U	-	-	-	ECOOE BLAST
12 JUL 65	04-01-27.9	I	*	*	*	-	-	-	ECOOE BLAST
12 JUL 65	05-46-31.6	I	*	*	*	-	-	-	ECOOE BLAST
12 JUL 65	09-51-35.0	I	*	*	*	-	-	-	ECOOE BLAST
12 JUL 65	11-39-52.3	I	*	*	*	-	-	-	
12 JUL 65	12-58-51.3	I	*	*	*	-	-	-	
12 JUL 65	13-27-24.3	I	*	*	*	-	-	-	
12 JUL 65	14-06-05.3	I	*	*	*	-	-	-	LOCAL
12 JUL 65	14-08-12.0	I	S	*	D	-	-	-	
12 JUL 65	16-01-23.4	I	*	*	*	-	-	-	
12 JUL 65	17-31-41.3	I	*	*	*	-	-	-	
12 JUL 65	18-17-21.4	I	*	*	*	-	-	-	LOCAL
12 JUL 65	19-10-20.2	I	*	*	*	-	-	-	LOCAL
12 JUL 65	19-53-23.4	I	*	*	*	-	-	-	LOCAL
12 JUL 65	20-08-25.7	I	*	*	*	-	-	-	LOCAL
12 JUL 65	20-51-10	E	*	*	*	-	-	-	LOCAL
12 JUL 65	22-05-54.6	I	*	*	*	-	-	-	LOCAL
12 JUL 65	22-45-09.9	I	*	*	*	-	-	-	LOCAL
12 JUL 65	22-51-15.6	I	*	*	*	-	-	-	LOCAL
13 JUL 65	03-37-14.7	I	*	*	*	-	-	-	LOCAL
13 JUL 65	04-01-31.6	I	S	*	*	-	-	-	ECOOE BLAST
13 JUL 65	05-01-29.8	I	N	*	U	-	-	-	ECOOE BLAST
13 JUL 65	08-01-24.7	I	*	*	*	-	-	-	ECOOE BLAST
13 JUL 65	09-31-23.9	I	*	*	*	-	-	-	ECOOE BLAST
13 JUL 65	10-23-20.3	I	*	*	U	-	-	-	
13 JUL 65	14-11-16.2	I	*	*	*	-	-	-	
13 JUL 65	14-19-41.5	I	*	*	*	-	-	-	
13 JUL 65	14-27-20.0	I	*	*	*	-	-	-	LOCAL
13 JUL 65	15-40-15.7	I	*	*	*	-	-	-	LOCAL
13 JUL 65	16-19-42.4	I	*	*	*	-	-	-	LOCAL
13 JUL 65	17-12-41.2	I	*	*	*	-	-	-	
13 JUL 65	17-29-30.7	I	*	*	*	-	-	-	LOCAL
13 JUL 65	18-11-39.5	I	*	*	*	-	-	-	
13 JUL 65	18-55-43.7	I	*	*	*	-	-	-	LOCAL
13 JUL 65	19-16-28.9	I	*	*	*	-	-	-	
13 JUL 65	19-46-22.9	I	*	*	*	-	-	-	
13 JUL 65	20-28-39.5	I	*	*	*	-	-	-	LOCAL
13 JUL 65	20-36-27.6	I	*	*	*	-	-	-	LOCAL
13 JUL 65	20-41-02.6	I	*	*	*	-	-	-	LOCAL
13 JUL 65	21-04-56.7	I	*	*	*	-	-	-	LOCAL
13 JUL 65	22-09-04.3	I	*	*	*	-	-	-	LOCAL
13 JUL 65	22-51-22.3	I	*	*	*	-	-	-	
14 JUL 65	00-17-39.0	I	*	*	*	-	-	-	
14 JUL 65	00-31-32.9	I	*	*	*	-	-	-	
14 JUL 65	03-01-14.6	I	*	*	*	-	-	-	ECOOE BLAST
14 JUL 65	04-31-08.7	I	*	*	*	-	-	-	ECOOE BLAST
14 JUL 65	06-01-14.6	I	*	*	*	-	-	-	ECOOE BLAST
14 JUL 65	07-01-08.6	I	*	*	*	-	-	-	ECOOE BLAST

DATE	GMT OF FIRST MOTION			TYPE OF ONSET	OBSERVABLE ON SHORT PER LONG PER						REMARKS
	NS	EW	Z		NS	EW	Z	NS	EW	Z	
14 JUL 65	08-01-09.9			I	*	*	*	-	-	-	ECODE BLAST
14 JUL 65	14-43-39.9			I	*	*	*	-	-	-	
14 JUL 65	18-05-54.8			I	*	*	*	-	-	-	
14 JUL 65	19-08-09.6			I	*	*	*	-	-	-	
14 JUL 65	19-36-03.5			I	*	*	*	-	-	-	LOCAL
14 JUL 65	20-48-24.6			I	*	*	*	-	-	-	LOCAL
14 JUL 65	22-05-29.5			I	*	*	*	-	-	-	
14 JUL 65	22-36-36.5			I	*	*	*	-	-	-	LOCAL
15 JUL 65	13-11-17.8			I	*	*	D	-	-	-	
15 JUL 65	13-25-11.3			I	*	*	U	-	-	-	
15 JUL 65	14-17-17.6			I	N	*	U	*	*	*	CHEM. EXPLOSION
15 JUL 65	15-00-23			E	*	*	*	-	-	-	
15 JUL 65	15-37-54			E	*	*	*	-	-	-	
15 JUL 65	15-48-15			E	*	*	*	-	-	-	LOCAL
15 JUL 65	16-09-50			E	*	*	*	-	-	-	
15 JUL 65	16-27-47			E	*	*	*	-	-	-	
15 JUL 65	16-14-26			E	*	*	*	-	-	-	LOCAL
15 JUL 65	17-56-13			E	*	*	*	-	-	-	
15 JUL 65	18-07-15			E	*	*	*	-	-	-	
15 JUL 65	18-13-43			E	*	*	*	-	-	-	LOCAL
15 JUL 65	18-30-53			E	*	*	*	-	-	-	LOCAL
15 JUL 65	18-47-46			E	*	*	*	-	-	-	
15 JUL 65	18-51-20.0			I	*	*	U	-	-	-	
15 JUL 65	19-42-06			E	*	*	*	-	-	-	LOCAL
15 JUL 65	20-30-55			E	*	*	*	-	-	-	LOCAL
15 JUL 65	21-01-56			E	*	*	*	-	-	-	
15 JUL 65	21-15-43			E	*	*	*	-	-	-	
15 JUL 65	21-19-19			E	*	*	*	-	-	-	
15 JUL 65	21-33-12			E	*	*	*	-	-	-	LOCAL
15 JUL 65	21-50-51			E	*	*	*	-	-	-	
15 JUL 65	21-54-16			E	*	*	*	-	-	-	LOCAL
15 JUL 65	21-55-21.7			I	*	*	U	-	-	-	
15 JUL 65	23-09-56			E	*	*	*	-	-	-	
16 JUL 65	01-23-51			E	*	*	*	-	-	-	
16 JUL 65	03-24-25			E	*	*	*	-	-	-	
16 JUL 65	10-40-19.8			I	*	*	U	-	-	-	
16 JUL 65	11-07-30.2			I	*	*	*	-	-	-	
16 JUL 65	14-15-58			E	*	*	*	-	-	-	LOCAL
16 JUL 65	15-02-10.5			I	*	*	U	-	-	-	LOCAL
16 JUL 65	17-15-13			E	*	*	*	-	-	-	
16 JUL 65	18-08-08			E	*	*	*	-	-	-	LOCAL
16 JUL 65	18-40-45			E	*	*	*	-	-	-	
16 JUL 65	18-45-32.5			I	*	*	U	-	-	-	
16 JUL 65	20-08-04			E	*	*	*	-	-	-	
16 JUL 65	20-37-41			E	*	*	*	-	-	-	
16 JUL 65	21-25-50			E	*	*	*	-	-	-	LOCAL
16 JUL 65	22-06-12			E	*	*	*	-	-	-	
17 JUL 65	02-21-19.0			I	*	*	*	-	-	-	ECODE BLAST
17 JUL 65	05-31-12.9			I	*	*	*	-	-	-	ECODE BLAST
17 JUL 65	07-06-27.5			I	*	*	*	-	-	-	ECODE BLAST

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON SHORT PER LONG PER						REMARKS
			NS	EW	Z	NS	EW	Z	
17 JUL 65	07-39-19.3	I	*	*	*	-	-	-	
17 JUL 65	07-51---	E	-	-	-	*	*	*	
17 JUL 65	08-41-27.2	I	*	*	*	-	-	-	ECOOE BLAST
17 JUL 65	09-51-05.7	I	*	*	*	-	-	-	ECOOE BLAST
17 JUL 65	13-06-42	E	*	*	*	-	-	-	
17 JUL 65	13-17-58	E	*	*	*	-	-	-	LOCAL
17 JUL 65	13-44---	E	-	-	-	*	*	*	
17 JUL 65	17-41-11	E	*	*	*	-	-	-	
17 JUL 65	18-07-17	E	*	*	*	-	-	-	LOCAL
17 JUL 65	18-31-08.0	I	*	*	U	-	-	-	
17 JUL 65	19-22-57	E	*	*	*	-	-	-	
17 JUL 65	19-32-25	E	*	*	*	-	-	-	
17 JUL 65	21-39-42	E	*	*	*	-	-	-	LOCAL
17 JUL 65	22-31-57	E	*	*	*	-	-	-	
18 JUL 65	01-14-30.2	I	*	*	U	-	-	-	
18 JUL 65	01-31-04.1	I	*	*	*	-	-	-	ECOOE BLAST
18 JUL 65	03-06-14.7	I	*	*	*	-	-	-	ECOOE BLAST
18 JUL 65	04-41-09.8	I	*	*	U	-	-	-	ECOOE BLAST
18 JUL 65	06-16-05.6	I	*	*	U	-	-	-	ECOOE BLAST
18 JUL 65	07-51-10.9	I	*	*	*	-	-	-	ECOOE BLAST
18 JUL 65	09-51-07.1	I	*	*	*	-	-	-	ECOOE BLAST
18 JUL 65	18-40-11	E	*	*	*	-	-	-	
18 JUL 65	22-27-29.3	I	*	*	D	-	-	-	
19 JUL 65	01-56-03.0	I	*	*	*	-	-	-	ECOOE BLAST
19 JUL 65	04-18-47.4	I	S	W	U	-	-	-	
19 JUL 65	04-26---	E	-	-	-	*	*	*	
19 JUL 65	06-41-15.2	I	*	*	*	-	-	-	ECOOE BLAST
19 JUL 65	08-16-18.4	I	*	*	*	-	-	-	ECOOE BLAST
19 JUL 65	09-51-08.0	I	*	*	*	-	-	-	ECOOE BLAST
19 JUL 65	12-43-39	E	*	*	*	-	-	-	LOCAL
19 JUL 65	12-48-19.8	I	*	*	D	-	-	-	
19 JUL 65	12-32-13	E	*	*	*	-	-	-	
19 JUL 65	14-51-38	E	*	*	*	-	-	-	
19 JUL 65	14-55-04.7	I	*	*	D	-	-	-	
19 JUL 65	15-02-09	E	*	*	*	-	-	-	
19 JUL 65	16-44-21	E	*	*	*	-	-	-	LOCAL
19 JUL 65	16-54-09	E	*	*	*	-	-	-	LOCAL
19 JUL 65	17-06-12	E	*	*	*	-	-	-	
19 JUL 65	17-25-45	E	*	*	*	-	-	-	
19 JUL 65	19-15-14	E	*	*	*	-	-	-	
19 JUL 65	19-40-06.4	I	*	*	U	-	-	-	
19 JUL 65	19-58-35	E	*	*	*	-	-	-	
19 JUL 65	20-18-11	E	*	*	*	-	-	-	
19 JUL 65	20-27-19.5	I	*	*	U	-	-	-	
20 JUL 65	01-09-06.2	I	N	E	U	-	-	-	
20 JUL 65	01-09-13	E	-	-	-	*	*	*	
20 JUL 65	02-15-14	E	*	*	*	-	-	-	LOCAL
20 JUL 65	11-31-55.1	I	*	*	D	-	-	-	
20 JUL 65	13-19-14	E	*	*	*	-	-	-	
20 JUL 65	14-05-07.2	I	*	*	U	-	-	-	LOCAL

DATE	GMT OF FIRST MOTION		TYPE OF ONSET	OBSERVABLE ON SHORT PER LONG PER						REMARKS
	NS	EW		Z	NS	EW	Z			
20 JUL 65	18-09-31		E	*	*	*	-	-	-	
20 JUL 65	18-17-21.3		I	*	*	D	-	-	-	
20 JUL 65	18-19-54		E	*	*	*	-	-	-	
20 JUL 65	18-27-03.3		I	*	*	D	-	-	-	
20 JUL 65	19-16-41.0		I	*	*	U	-	-	-	LOCAL
20 JUL 65	19-20-41		E	*	*	*	-	-	-	
20 JUL 65	21-17-05.2		I	*	*	U	-	-	-	LOCAL
20 JUL 65	20-21-25.1		I	*	*	U	-	-	-	
20 JUL 65	20-36-21.2		I	*	*	U	-	-	-	
20 JUL 65	20-44-41.4		I	*	*	U	-	-	-	LOCAL
21 JUL 65	03-18---		E	-	-	-	*	*	*	
21 JUL 65	04-09-11.3		I	*	*	U	-	-	-	
21 JUL 65	09-16-57.8		I	*	*	U	-	-	-	
21 JUL 65	12-41-38.6		I	*	*	U	-	-	-	
21 JUL 65	14-11-02		E	*	*	*	-	-	-	
21 JUL 65	15-20-02.2		I	*	*	U	-	-	-	
21 JUL 65	15-58-07.5		I	*	*	D	-	-	-	
21 JUL 65	17-07-51.1		I	*	*	U	-	-	-	
21 JUL 65	18-03-31.8		I	*	E	U	*	*	*	
21 JUL 65	19-37-43.8		I	*	*	U	-	-	-	
21 JUL 65	20-02-03		E	*	*	*	-	-	-	
21 JUL 65	20-35-10		E	*	*	*	-	-	-	
21 JUL 65	20-42-05.8		I	*	*	U	-	-	-	LOCAL
21 JUL 65	20-52-32.6		I	*	*	U	-	-	-	LOCAL
21 JUL 65	21-35-55.7		I	*	*	D	-	-	-	
22 JUL 65	01-29-49.0		I	S	E	D	-	-	-	
22 JUL 65	01-52-04.9		I	S	E	U	-	-	-	
22 JUL 65	14-13-30		E	*	*	*	-	-	-	
22 JUL 65	14-25-21.3		I	*	*	U	-	-	-	
22 JUL 65	18-09-06.5		I	*	*	U	-	-	-	
22 JUL 65	18-15-20.5		I	*	*	U	-	-	-	
22 JUL 65	18-55-32.5		I	*	*	D	-	-	-	LOCAL
22 JUL 65	19-03-14.8		I	*	*	U	-	-	-	
22 JUL 65	19-13-48.0		I	*	*	U	-	-	-	
22 JUL 65	20-08-11.4		I	*	*	U	-	-	-	LOCAL
22 JUL 65	20-29-12		E	*	*	*	-	-	-	
22 JUL 65	22-19-15.3		I	*	*	D	-	-	-	
23 JUL 65	01-36-04.4		I	*	*	D	-	-	-	LOCAL
23 JUL 65	14-46-25.8		I	*	*	U	-	-	-	
23 JUL 65	15-22-09.9		I	N	W	D	-	-	-	
23 JUL 65	17-06-09.3		I	N	W	D	-	-	-	
23 JUL 65	17-18-06		E	-	-	-	*	*	*	
23 JUL 65	17-54-17		E	*	*	*	-	-	-	LOCAL
23 JUL 65	18-00-57.0		I	*	*	U	-	-	-	LOCAL
23 JUL 65	18-10-30.5		I	*	*	U	-	-	-	LOCAL
23 JUL 65	20-06-04.5		I	*	*	D	-	-	-	LOCAL
23 JUL 65	20-08-27		E	*	*	*	-	-	-	
23 JUL 65	20-31-21.2		I	*	*	U	-	-	-	
23 JUL 65	20-37-45		E	*	*	*	-	-	-	
23 JUL 65	20-51-10.6		I	*	*	U	-	-	-	

DATE	GMT OF FIRST MOTION			TYPE OF ONSET	OBSERVABLE ON SHORT PER LONG PER									REMARKS
	NS	EW	Z		NS	EW	Z	NS	EW	Z				
23 JUL 65	21-05-08.3	I	*	*	D	-	-	-						
23 JUL 65	22-27-20.6	I	*	*	U	-	-	-						
24 JUL 65	00-51-06	E	*	*	*	-	-	-						
24 JUL 65	13-19-03	E	*	*	*	-	-	-						
24 JUL 65	14-29-31	E	*	*	*	-	-	-						
24 JUL 65	15-20-07	E	*	*	*	-	-	-						
24 JUL 65	15-35-05.6	I	*	*	D	-	-	-						
24 JUL 65	17-38-30.5	I	*	*	U	-	-	-						
24 JUL 65	19-23-26.2	I	*	*	U	-	-	-						
24 JUL 65	20-32-50	E	*	*	*	-	-	-					LOCAL	
24 JUL 65	21-15-52.0	I	*	*	D	-	-	-					LOCAL	
24 JUL 65	21-47-35	E	*	*	*	-	-	-						
24 JUL 65	22-50-43.6	I	*	*	D	-	-	-					LOCAL	
25 JUL 65	03-59-54.5	I	*	*	U	-	-	-						
25 JUL 65	04-02-25	E	*	*	*	-	-	-						
25 JUL 65	04-47---	E	-	-	-	*	*	*						
25 JUL 65	08-51-12.8	I	*	*	U	-	-	-						
25 JUL 65	05-51---	E	-	-	-	*	*	*						
25 JUL 65	13-45-59.3	I	N	W	D	-	-	-						
25 JUL 65	13-45---	E	-	-	-	*	*	*						
25 JUL 65	21-57-42.7	I	N	E	U	-	-	-						
26 JUL 65	14-10-23	E	*	*	*	-	-	-						
26 JUL 65	15-24-20	E	*	*	*	-	-	-						
26 JUL 65	15-33-03.5	I	*	*	U	-	-	-						
26 JUL 65	15-38-21.3	I	*	*	D	-	-	-						
26 JUL 65	15-56-47.1	I	*	*	U	-	-	-						
26 JUL 65	16-56-09.8	I	*	*	U	-	-	-						
26 JUL 65	17-55-26.0	I	*	*	U	-	-	-						
26 JUL 65	18-16-59.1	I	*	*	U	-	-	-						
26 JUL 65	18-31-37	E	*	*	*	-	-	-						
26 JUL 65	19-03-16.2	I	*	*	D	-	-	-						
27 JUL 65	01-55-43.6	I	*	*	U	-	-	-						
27 JUL 65	02-10-48	E	*	*	*	-	-	-						
27 JUL 65	11-31-20.2	I	*	*	D	-	-	-						
27 JUL 65	13-35-30	E	*	*	*	-	-	-						
27 JUL 65	14-28-57	E	*	*	*	-	-	-						
27 JUL 65	15-12-44	E	*	*	*	-	-	-						
27 JUL 65	15-34-50	E	*	*	*	-	-	-						
27 JUL 65	16-48-04	E	*	*	*	-	-	-						
27 JUL 65	17-11-35	E	*	*	*	-	-	-						
27 JUL 65	17-14-10	E	*	*	*	-	-	-						
27 JUL 65	19-26-21	E	*	*	*	-	-	-					LOCAL	
27 JUL 65	19-28-37	E	*	*	*	-	-	-						
27 JUL 65	19-55-21	E	*	*	*	-	-	-						
28 JUL 65	01-05-20.8	I	S	E	U	-	-	-						
28 JUL 65	02-07-43.3	I	N	E	U	-	-	-						
28 JUL 65	13-07-19.4	I	*	*	D	-	-	-						
28 JUL 65	14-35-26	E	*	*	*	-	-	-						
28 JUL 65	15-34-04	E	*	*	*	-	-	-						
28 JUL 65	18-41-41	E	*	*	*	-	-	-						

DATE	GMT OF FIRST MOTION		TYPE OF ONSET	OBSERVABLE ON SHORT PER LONG PER						REMARKS	SCP PAGE- 31
	NS	EW		Z	NS	EW	Z				
28 JUL 65	18-56-57		E	*	*	*	-	-	-		
28 JUL 65	19-13-39		E	*	*	*	-	-	-		
28 JUL 65	19-18-48		E	*	*	*	-	-	-		
28 JUL 65	19-26-11		E	*	*	*	-	-	-		
28 JUL 65	21-03-44		E	*	*	*	-	-	-		
28 JUL 65	22-48-18.7		I	*	*	U	-	-	-		
29 JUL 65	08-39-38.4		I	N	W	D	-	-	-		
29 JUL 65	08-39-39.0		I	-	-	-	N	W	D		
29 JUL 65	12-30-32		E	*	*	*	-	-	-		
29 JUL 65	15-01-52		E	*	*	*	-	-	-		
29 JUL 65	15-18-51.5		I	*	*	D	-	-	-		
29 JUL 65	17-26-25		E	*	*	*	-	-	-		
29 JUL 65	17-39-17		E	*	*	*	-	-	-		
29 JUL 65	19-01-23		E	*	*	*	-	-	-		
29 JUL 65	19-21-22		E	*	*	*	-	-	-		
29 JUL 65	19-31-23		E	*	*	*	-	-	-		
29 JUL 65	21-31-09		E	*	*	*	-	-	-		
30 JUL 65	00-29-11.5		I	*	*	U	-	-	-		
30 JUL 65	05-55-09.8		I	N	E	U	-	-	-		
30 JUL 65	07-26-42.0		I	N	W	U	-	-	-		
30 JUL 65	14-08-33		E	*	*	*	-	-	-		
30 JUL 65	14-54-41		E	*	*	*	-	-	-		
30 JUL 65	15-33-21		E	*	*	*	-	-	-		
30 JUL 65	15-45-05		E	*	*	*	-	-	-		
30 JUL 65	16-18-03		E	*	*	*	-	-	-		
30 JUL 65	16-46-05		E	*	*	*	-	-	-		
30 JUL 65	16-55-58		E	*	*	*	-	-	-		
30 JUL 65	17-59-03		E	*	*	*	-	-	-		
31 JUL 65	08-32---		E	-	-	-	*	*	*		
31 JUL 65	11-24-56.3		I	*	*	D	-	-	-		
31 JUL 65	11-42---		E	-	-	-	*	*	*		
31 JUL 65	15-57-00.7		I	*	*	D	-	-	-		
31 JUL 65	16-13-30		E	*	*	*	-	-	-		
31 JUL 65	16-18-03		E	*	*	*	-	-	-		
31 JUL 65	16-26-27.4		I	*	*	U	-	-	-		
31 JUL 65	17-04-22		E	*	*	*	-	-	-		
31 JUL 65	17-13-46		E	*	*	*	-	-	-		
31 JUL 65	17-29-34		E	*	*	*	-	-	-		
31 JUL 65	18-02-13		E	*	*	*	-	-	-		
31 JUL 65	18-13-46		E	*	*	*	-	-	-		
31 JUL 65	19-01-18		E	*	*	*	-	-	-		
31 JUL 65	19-06-11		E	*	*	*	-	-	-		
31 JUL 65	19-06-31		E	*	*	*	-	-	-		
31 JUL 65	22-14-42		E	*	*	*	-	-	-		
01 AUG 65	00-41-48		E	*	*	*	-	-	-		
01 AUG 65	05-40-05.3		I	*	*	U	-	-	-		
01 AUG 65	06-30-50		E	*	*	*	-	-	-		
01 AUG 65	15-14-49.8		I	*	*	D	-	-	-		
01 AUG 65	15-17-03		E	*	*	*	-	-	-		
01 AUG 65	18-39-10		E	*	*	*	-	-	-		

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON SHORT PER LONG PER						REMARKS	SCP PAGE- 32
			NS	EW	Z	NS	EW	Z		
02 AUG 65	00-40-	E	-	-	-	*	*	*		
02 AUG 65	13-39-20	E	*	*	*	*	*	*		
02 AUG 65	14-42-01.0	I	N	*	U	-	-	-		
02 AUG 65	16-49-51	E	*	*	*	-	-	-		
02 AUG 65	17-26-04	E	*	*	*	-	-	-		
02 AUG 65	18-29-06.6	I	*	*	U	-	-	-		
02 AUG 65	28-48-21	E	*	*	*	-	-	-		
02 AUG 65	19-05-34	E	*	*	*	-	-	-		
02 AUG 65	19-14-35.0	I	*	*	D	*	*	*		
02 AUG 65	19-20-08	E	*	*	*	-	-	-		
02 AUG 65	19-49-27.5	I	*	*	U	-	-	-		
02 AUG 65	20-15-54	E	*	*	*	-	-	-		
02 AUG 65	20-34-07	E	*	*	*	-	-	-		
02 AUG 65	21-20-42	E	*	*	*	-	-	-		
02 AUG 65	21-59-09.6	I	*	*	D	-	-	-		
02 AUG 65	22-18-03	E	*	*	*	-	-	-		
03 AUG 65	02-10-30.2	I	S	W	D	*	*	*		
03 AUG 65	04-10-39	E	*	*	*	-	-	-		
03 AUG 65	13-32-45	E	*	*	*	-	-	-		
03 AUG 65	16-17-11	E	*	*	*	-	-	-		
03 AUG 65	16-52-43	E	*	*	*	-	-	-		
03 AUG 65	18-54-34.5	I	*	*	U	-	-	-		
03 AUG 65	19-03-57.6	I	*	*	U	-	-	-		
03 AUG 65	19-51-17	E	*	*	*	-	-	-		
03 AUG 65	19-58-30.0	I	*	*	D	-	-	-		
03 AUG 65	20-20-56.0	I	*	*	D	-	-	-		
03 AUG 65	21-03-16	E	*	*	*	-	-	-		
03 AUG 65	21-20-06	E	*	*	*	-	-	-		
03 AUG 65	21-33-47	E	*	*	*	-	-	-		
03 AUG 65	22-11-37	E	*	*	*	-	-	-		
03 AUG 65	22-29-45.0	I	*	*	D	-	-	-		
04 AUG 65	01-11-56.1	I	S	W	D	-	-	-		
04 AUG 65	12-38-47	E	*	*	*	-	-	-		
04 AUG 65	14-42-03	E	*	*	*	-	-	-		
04 AUG 65	15-00-11	E	*	*	*	-	-	-		
04 AUG 65	17-15-31	E	*	*	*	-	-	-		
04 AUG 65	17-37-13	E	*	*	*	-	-	-		
04 AUG 65	18-07-31.4	I	*	*	U	-	-	-		
04 AUG 65	18-31-06	E	*	*	*	-	-	-		
04 AUG 65	18-35-03	E	*	*	*	-	-	-		
04 AUG 65	18-58-06	E	*	*	*	-	-	-		
04 AUG 65	19-10-04.5	I	*	*	U	-	-	-		
04 AUG 65	19-15-53	E	*	*	*	-	-	-		
04 AUG 65	19-31-08	E	*	*	*	-	-	-		
04 AUG 65	19-43-03	E	*	*	*	-	-	-		
04 AUG 65	20-03-49.3	I	*	*	*	-	-	-		
04 AUG 65	20-17-23	E	*	*	*	-	-	-		
04 AUG 65	20-21-32	E	*	*	*	-	-	-		
04 AUG 65	20-25-26	E	*	*	*	-	-	-		
05 AUG 65	00-26-40	E	*	*	*	*	*	*		

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON SHORT PER LONG PER									REMARKS
			NS	EW	Z	NS	EW	Z	NS	EW	Z	
05 AUG 65	00-39-18	E	*	*	*	-	-	-				
05 AUG 65	05-26-17.0	I	*	*	U	-	-	-				
05 AUG 65	15-14-45.0	I	*	*	U	-	-	-				
05 AUG 65	15-36-55	E	*	*	*	-	-	-				
05 AUG 65	15-47-52	E	*	*	*	-	-	-				
05 AUG 65	16-41-50.0	I	*	*	D	-	-	-				
05 AUG 65	16-57-25	E	*	*	*	-	-	-				
05 AUG 65	17-14-50	E	*	*	*	-	-	-				
05 AUG 65	17-25-51	E	*	*	*	-	-	-				
05 AUG 65	18-17-25	E	*	*	*	-	-	-				LOCAL
05 AUG 65	18-29-23	E	*	*	*	-	-	-				LOCAL
05 AUG 65	18-44-30.9	I	*	*	U	-	-	-				LOCAL
05 AUG 65	19-15-34	E	*	*	*	-	-	-				
05 AUG 65	19-20-11	E	*	*	*	-	-	-				
05 AUG 65	19-34-15	E	*	*	*	-	-	-				
05 AUG 65	19-43-32	E	*	*	*	-	-	-				
05 AUG 65	20-06-10.8	I	*	*	U	-	-	-				
05 AUG 65	20-10-04.5	I	*	*	D	-	-	-				
05 AUG 65	20-27-57	E	*	*	*	-	-	-				
05 AUG 65	21-21-05	E	*	*	*	-	-	-				LOCAL
05 AUG 65	21-28-34	E	*	*	*	-	-	-				
06 AUG 65	02-09-31.7	I	*	*	D	-	-	-				
06 AUG 65	14-22-55	E	*	*	*	-	-	-				
06 AUG 65	15-00-35	E	*	*	*	-	-	-				
06 AUG 65	15-56-15	E	*	*	*	-	-	-				
06 AUG 65	18-01-05	E	*	*	*	-	-	-				LOCAL
06 AUG 65	18-11-46	E	*	*	*	-	-	-				
06 AUG 65	18-58-44	E	*	*	*	-	-	-				
06 AUG 65	19-05-49	E	*	*	*	-	-	-				
06 AUG 65	19-08-09	E	*	*	*	-	-	-				
06 AUG 65	19-55-41	E	*	*	*	-	-	-				
06 AUG 65	19-57-18	E	*	*	*	-	-	-				
06 AUG 65	20-03-21.7	I	*	*	D	-	-	-				
06 AUG 65	20-08-12	E	*	*	*	-	-	-				
06 AUG 65	20-15-23	E	*	*	*	-	-	-				
06 AUG 65	21-51-45	E	*	*	*	-	-	-				
06 AUG 65	23-12-13.8	I	*	*	U	-	-	-				
07 AUG 65	00-27-43.7	I	*	*	D	-	-	-				LOCAL
07 AUG 65	02-07-17	E	*	*	*	-	-	-				LOCAL
07 AUG 65	06-59-13.1	I	*	*	U	-	-	-				
07 AUG 65	12-55-30	E	*	*	*	-	-	-				
07 AUG 65	13-55-52	E	*	*	*	-	-	-				
07 AUG 65	15-12-49	E	*	*	*	-	-	-				
07 AUG 65	16-02-03	E	*	*	*	-	-	-				
07 AUG 65	16-54-25	E	*	*	*	-	-	-				
07 AUG 65	16-58-51.2	I	*	*	U	-	-	-				
07 AUG 65	17-08-29	E	*	*	*	-	-	-				
08 AUG 65	05-30-27.0	I	N	*	U	-	-	-				
08 AUG 65	12-59-48.8	I	N	*	U	*	*	*				
08 AUG 65	17-50-50.8	I	W	*	*	-	-	-				

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON						REMARKS
			NS	EW	Z	NS	EW	Z	
08 AUG 65	18-28-40	E	*	*	*	-	-	-	
09-AUG 65	08-48-10.0	I	*	*	D	-	-	-	
09-AUG 65	09-19-52	E	*	*	*	-	-	-	
09-AUG 65	10-26-33.9	I	N	E	U	-	-	-	
09-AUG 65	13-35-12	E	*	*	*	-	-	-	
09-AUG 65	13-50-57	E	*	*	*	-	-	-	
09-AUG 65	15-29-50	E	*	*	*	-	-	-	
09-AUG 65	15-56-25.5	I	N	E	D	-	-	-	
09-AUG 65	16-04-56	E	*	*	*	-	-	-	
09-AUG 65	17-18-16.4	I	*	*	D	-	-	-	
09-AUG 65	17-32-24	E	*	*	*	-	-	-	
09-AUG 65	17-44-17	E	*	*	*	-	-	-	
09-AUG 65	19-20-55.0	I	*	*	D	-	-	-	
09-AUG 65	19-41-27	E	*	*	*	-	-	-	
09-AUG 65	20-39-23.0	I	*	*	U	-	-	-	
09-AUG 65	20-45-05	E	*	*	*	-	-	-	
09-AUG 65	21-00-52	E	*	*	*	-	-	-	
09-AUG 65	21-12-04.0	I	*	*	U	-	-	-	
09-AUG 65	21-29-23	E	*	*	*	-	-	-	
09-AUG 65	21-38-11.2	I	*	*	U	-	-	-	
09-AUG 65	21-54-22	E	*	*	*	-	-	-	
09-AUG 65	23-23-28.2	I	*	*	U	-	-	-	
09-AUG 65	23-39-26	E	*	*	*	-	-	-	
10 AUG 65	02-08-54	E	*	*	*	-	-	-	LOCAL
10 AUG 65	08-26-51.0	I	*	*	U	-	-	-	
10 AUG 65	08-31-12	E	*	*	*	-	-	-	
10 AUG 65	11-26-19	E	*	*	*	-	-	-	
10 AUG 65	12-37-32	E	*	*	*	-	-	-	
10 AUG 65	12-50-11	E	*	*	*	-	-	-	
10 AUG 65	15-58-53.5	I	*	*	U	-	-	-	
10 AUG 65	16-10-39	E	*	*	*	-	-	-	
10 AUG 65	18-15-12	E	*	*	*	-	-	-	
10 AUG 65	18-33-51	E	*	*	*	-	-	-	
10 AUG 65	18-57-39.0	I	*	*	U	-	-	-	
10 AUG 65	19-34-27	E	*	*	*	-	-	-	
10 AUG 65	20-04-01.9	I	*	*	U	-	-	-	LOCAL
10 AUG 65	20-15-55.9	I	*	*	U	-	-	-	LOCAL
10 AUG 65	20-25-25	E	*	*	*	-	-	-	
10 AUG 65	22-18-47	E	*	*	*	-	-	-	
11 AUG 65	00-31-05	E	*	*	*	-	-	-	
11 AUG 65	02-09-50	E	*	*	*	-	-	-	
11 AUG 65	03-59-41	E	*	*	*	*	*	*	
11 AUG 65	14-20-05.0	I	*	*	U	-	-	-	
11 AUG 65	14-45-50	E	*	*	*	-	-	-	
11 AUG 65	15-52-38.0	I	*	*	U	-	-	-	
11 AUG 65	16-00-07.4	I	*	*	U	-	-	-	
11 AUG 65	17-38-21	E	*	*	*	-	-	-	
11 AUG 65	18-25-06.0	I	*	*	U	-	-	-	
11 AUG 65	18-37-56.7	I	*	*	D	*	*	*	
11 AUG 65	18-53-54	E	*	*	*	-	-	-	

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON SHORT PER LONG PER						REMARKS
			NS	EW	Z	NS	EW	Z	
11 AUG 65	19-12-33.4	I	*	*	U	-	-	-	
11 AUG 65	19-24-39.6	I	*	*	U	-	-	-	
11 AUG 65	19-38-38	E	*	*	*	-	-	-	
11 AUG 65	20-11-25	E	*	*	*	-	-	-	
11 AUG 65	20-26-51	E	*	*	*	-	-	-	
11 AUG 65	20-32-42	E	*	*	*	-	-	-	
11 AUG 65	20-34-46	E	*	*	*	-	-	-	
11 AUG 65	21-47-33	E	*	*	*	-	-	-	
11 AUG 65	21-50-30	E	*	*	*	-	-	-	
11 AUG 65	22-11-45	E	*	*	*	-	-	-	
11 AUG 65	22-50-30	E	*	*	*	*	*	*	
12 AUG 65	08-20-27	E	*	*	*	*	*	*	
12 AUG 65	13-16-04.1	I	N	*	D	*	*	*	
12 AUG 65	14-52-05.5	I	*	*	U	-	-	-	
12 AUG 65	17-22-45	E	*	*	*	-	-	-	
12 AUG 65	17-59-08	E	*	*	*	-	-	-	
12 AUG 65	18-05-41.4	I	*	*	U	-	-	-	
12 AUG 65	18-31-39	E	*	*	*	-	-	-	
12 AUG 65	18-39-51	E	*	*	*	-	-	-	
12 AUG 65	18-42-22	E	*	*	*	-	-	-	
12 AUG 65	18-46-45	E	*	*	*	-	-	-	
12 AUG 65	18-59-15	E	*	*	*	-	-	-	
12 AUG 65	19-04-16	E	*	*	*	-	-	-	
12 AUG 65	19-09-01	E	*	*	*	-	-	-	
12 AUG 65	19-55-12	E	*	*	*	-	-	-	
12 AUG 65	20-04-07	E	*	*	*	-	-	-	
12 AUG 65	20-24-22.1	I	*	*	D	-	-	-	
12 AUG 65	21-27-14	E	*	*	*	-	-	-	
13 AUG 65	00-11-29	E	*	*	*	-	-	-	
13 AUG 65	01-02-56.0	I	*	*	U	-	-	-	
13 AUG 65	12-58-27	E	*	*	*	*	*	*	
13 AUG 65	14-26-44	E	*	*	*	-	-	-	
13 AUG 65	15-12-57.6	I	*	*	U	-	-	-	
13 AUG 65	16-09-04	E	*	*	*	-	-	-	
13 AUG 65	16-58-57	E	*	*	*	-	-	-	
13 AUG 65	17-18-01	E	*	*	*	-	-	-	
13 AUG 65	17-19-51	E	*	*	*	-	-	-	
13 AUG 65	17-36-29	E	*	*	*	-	-	-	
13 AUG 65	17-59-13	E	*	*	*	-	-	-	
13 AUG 65	18-54-33	E	*	*	*	-	-	-	
13 AUG 65	19-23-16	E	*	*	*	-	-	-	
13 AUG 65	19-26-00	E	*	*	*	-	-	-	
13 AUG 65	19-46-49.3	I	*	*	D	-	-	-	LOCAL
13 AUG 65	19-56-26	E	*	*	*	-	-	-	
13 AUG 65	20-48-20.4	I	*	*	U	-	-	-	LOCAL
13 AUG 65	20-52-41	E	*	*	*	-	-	-	
13 AUG 65	21-28-04.3	I	*	*	D	-	-	-	
13 AUG 65	21-41-26	E	*	*	*	-	-	-	
13 AUG 65	22-16-37	E	*	*	*	-	-	-	
13 AUG 65	22-55-13	E	*	*	*	-	-	-	

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON						REMARKS
			NS	EW	Z	NS	EW	Z	
14 AUG 65	13-16-14.2	I	N	*	U	-	-	-	
14 AUG 65	14-51-41.5	I	*	*	U	-	-	-	
14 AUG 65	15-40-08	E	*	*	*	-	-	-	
14 AUG 65	15-48-23	E	*	*	*	-	-	-	
14 AUG 65	16-08-39	E	*	*	*	-	-	-	
14 AUG 65	16-35-11	E	*	*	*	-	-	-	
14 AUG 65	16-56-20	E	*	*	*	-	-	-	
14 AUG 65	17-17-10	E	*	*	*	-	-	-	
14 AUG 65	18-06-03	E	*	*	*	-	-	-	
14 AUG 65	18-25-44	E	*	*	*	-	-	-	
14 AUG 65	18-27-55	E	*	*	*	-	-	-	
14 AUG 65	20-01-28	E	*	*	*	-	-	-	
14 AUG 65	20-12-18	E	*	*	*	-	-	-	
14 AUG 65	20-52-02.5	I	*	*	U	-	-	-	
14 AUG 65	21-30-55.0	I	*	*	U	-	-	-	
15 AUG 65	04-23-37	E	*	*	*	-	-	-	
15 AUG 65	06-11-45	E	*	*	*	-	-	-	
15 AUG 65	19-00-32.6	I	*	*	D	-	-	-	
16 AUG 65	04-43-18	E	*	*	*	*	*	*	
16 AUG 65	12-23-49.4	I	N	*	U	*	*	*	
16 AUG 65	12-47-13.2	I	S	E	D	-	-	-	
16 AUG 65	13-15-42	E	*	*	*	-	-	-	
16 AUG 65	15-53-04	E	*	*	*	-	-	-	
16 AUG 65	16-00-36	E	*	*	*	-	-	-	
16 AUG 65	17-02-29	E	*	*	*	-	-	-	
16 AUG 65	17-22-41	E	*	*	*	-	-	-	
16 AUG 65	17-44-14	E	*	*	*	RF	-	-	LOCAL
16 AUG 65	17-57-15	E	*	*	*	RF	-	-	LOCAL
16 AUG 65	18-15-22.5	I	*	*	U	RF	-	-	LOCAL
16 AUG 65	20-15-23.4	I	*	*	U	RF	-	-	LOCAL
16 AUG 65	22-30-01	E	*	*	*	RF	-	-	
16 AUG 65	22-23-35.3	I	*	*	U	RF	-	-	LOCAL
17 AUG 65	00-22-34.5	I	*	*	D	RF	-	-	LOCAL
17 AUG 65	10-54-21.5	I	*	*	U	RF	*	*	
17 AUG 65	11-48-58	E	*	*	*	RF	-	-	
17 AUG 65	13-26-41.7	I	N	E	U	RF	-	-	
17 AUG 65	14-09-04.7	I	*	W	U	RF	-	-	
17 AUG 65	15-09-35.0	I	*	*	D	RF	-	-	
17 AUG 65	15-47-42	E	*	*	*	RF	-	-	
17 AUG 65	16-11-54.8	I	*	*	D	RF	-	-	
17 AUG 65	16-17-25	E	*	*	*	RF	-	-	
17 AUG 65	19-12-34	E	*	*	*	-	-	-	
17 AUG 65	19-25-13	E	*	*	*	-	-	-	
17 AUG 65	19-29-08	E	*	*	*	-	-	-	
17 AUG 65	19-48-25	E	*	*	*	-	-	-	
17 AUG 65	19-50-05	E	*	*	*	-	-	-	
17 AUG 65	20-12-21	E	*	*	*	-	-	-	LOCAL
17 AUG 65	20-27-40.9	I	*	*	U	-	-	-	LOCAL
17 AUG 65	20-56-11	E	*	*	*	-	-	-	
17 AUG 65	23-19-57.2	I	*	*	D	-	-	-	LOCAL

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON						REMARKS
			NS	EW	Z	NS	EW	Z	
18 AUG 65	12-46-44	E	*	*	*	-	-	-	LOCAL
18 AUG 65	14-43-55	E	*	*	*	-	-	-	
18 AUG 65	15-48-19	E	*	*	*	-	-	-	LOCAL
18 AUG 65	17-02-13.0	I	*	*	U	-	-	-	
18 AUG 65	17-21-42.2	I	*	*	U	-	-	-	
18 AUG 65	17-39-03	E	*	*	*	-	-	-	
18 AUG 65	19-26-38.1	I	*	*	U	-	-	-	LOCAL
18 AUG 65	19-51-32.2	I	*	*	U	-	-	-	
18 AUG 65	20-33-06	E	*	*	*	-	-	-	
18 AUG 65	20-51-16	E	*	*	*	-	-	-	
18 AUG 65	21-24-02	E	*	*	*	-	-	-	
18 AUG 65	21-49-24	E	*	*	*	-	-	-	
18 AUG 65	22-34-45	E	*	*	*	-	-	-	
19 AUG 65	11-13-32	E	*	*	*	-	-	-	
19 AUG 65	12-26-03	E	*	*	*	-	-	-	
19 AUG 65	13-43-35	E	*	*	*	-	-	-	
19 AUG 65	13-51-05	E	*	*	*	-	-	-	
19 AUG 65	15-17-41	E	*	*	*	-	-	-	
19 AUG 65	17-24-07	E	*	*	*	-	-	-	
19 AUG 65	17-29-37	E	*	*	*	-	-	-	
19 AUG 65	17-45-23	E	*	*	*	-	-	-	
19 AUG 65	17-54-14.3	I	*	*	U	-	-	-	
19 AUG 65	18-20-04	E	*	*	*	-	-	-	
19 AUG 65	19-01-13	E	*	*	*	-	-	-	LOCAL
19 AUG 65	19-13-57	E	*	*	*	-	-	-	
19 AUG 65	20-22-34.8	I	*	*	U	-	-	-	
19 AUG 65	20-47-19.5	I	*	*	U	-	-	-	
19 AUG 65	22-16-08	E	*	*	*	-	-	-	
20 AUG 65	06-13-27.4	I	*	*	D	*	*	*	
20 AUG 65	09-52-43.0	I	N	W	U	*	*	U	
20 AUG 65	11-48-03.6	I	*	*	U	-	-	-	
20 AUG 65	11-55-55	E	*	*	*	-	-	-	
20 AUG 65	12-00-58	E	*	*	*	-	-	-	
20 AUG 65	14-12-42.4	I	*	*	U	-	-	-	LOCAL
20 AUG 65	15-19-05	E	*	*	*	-	-	-	LOCAL
20 AUG 65	15-26-31	E	*	*	*	-	-	-	LOCAL
20 AUG 65	16-14-00.3	I	*	*	U	-	-	-	
20 AUG 65	16-22-51	E	*	*	*	-	-	-	
20 AUG 65	17-17-13	E	*	*	*	-	-	-	
20 AUG 65	18-12-08	E	*	*	*	-	-	-	
20 AUG 65	18-33-27	E	*	*	*	-	-	-	
20 AUG 65	18-40-52	E	*	*	*	-	-	-	
20 AUG 65	18-44-07	E	*	*	*	-	-	-	LOCAL
20 AUG 65	19-23-35	E	*	*	*	-	-	-	
20 AUG 65	19-30-07	E	*	*	*	-	-	-	
20 AUG 65	19-44-20	E	*	*	*	-	-	-	
20 AUG 65	20-10-11	E	*	*	*	-	-	-	LOCAL
20 AUG 65	21-40-41	E	*	*	*	-	-	*	
20 AUG 65	22-45-53	E	*	*	*	-	-	-	
21 AUG 65	04-53-32	E	*	*	*	-	-	-	

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON						REMARKS
			NS	EW	Z	NS	EW	Z	
21 AUG 65	13-48-32	E	*	*	*	-	-	-	
21 AUG 65	15-13-20	E	*	*	*	-	-	-	
21 AUG 65	15-23-53.2	I	W	E	U	-	-	-	
21 AUG 65	16-09-01	E	*	*	*	-	-	-	
21 AUG 65	18-33-52.7	I	*	*	D	-	-	-	
21 AUG 65	18-54-16	E	*	*	*	-	-	-	LOCAL
21 AUG 65	19-49-02.7	I	*	*	U	-	-	-	
21 AUG 65	21-05-03	E	*	*	*	-	-	-	
22 AUG 65	13-22-43	E	*	*	*	-	-	-	
22 AUG 65	15-22-42.3	I	*	*	U	-	-	-	
23 AUG 65	12-08-05	E	*	*	*	-	-	-	
23 AUG 65	12-16-25	E	*	*	*	-	-	-	LOCAL
23 AUG 65	12-22-24	E	*	*	*	-	-	-	LOCAL
23 AUG 65	14-20-30	E	*	*	*	-	-	-	
23 AUG 65	15-38-02	E	*	*	*	-	-	-	LOCAL
23 AUG 65	16-31-02	E	*	*	*	-	-	-	LOCAL
23 AUG 65	17-35-44	E	*	*	*	-	-	-	LOCAL
23 AUG 65	17-52-23	E	*	*	*	-	-	-	
23 AUG 65	18-03-20.8	I	*	*	U	-	-	-	
23 AUG 65	18-05-49	E	*	*	*	-	-	-	
23 AUG 65	18-54-18	E	*	*	*	-	-	-	
23 AUG 65	19-08-37	E	*	*	*	-	-	-	
23 AUG 65	19-45-13.6	I	*	*	D	-	-	-	
23 AUG 65	19-52-02.1	I	*	E	U	N	E	U	
23 AUG 65	21-21-31.0	I	*	*	U	-	-	-	
23 AUG 65	21-23-46.4	I	*	*	D	-	-	-	
23 AUG 65	23-18-25	E	*	*	*	-	-	-	
23 AUG 65	23-40-48	E	*	*	*	-	-	-	
24 AUG 65	01-02-27.0	I	N	*	U	*	*	U	
24 AUG 65	02-24-51	E	*	*	*	-	-	-	
24 AUG 65	12-36-42	E	*	*	*	-	-	-	
24 AUG 65	13-19-17	E	*	*	*	-	-	-	
24 AUG 65	14-27-58	E	*	*	*	-	-	-	
24 AUG 65	14-41-01	E	*	*	*	-	-	-	
24 AUG 65	16-53-28.5	I	*	*	U	-	-	-	
24 AUG 65	17-19-20	E	*	*	*	-	-	-	
24 AUG 65	17-41-26.2	I	*	*	U	-	-	-	
24 AUG 65	18-13-13	E	*	*	*	-	-	-	
24 AUG 65	18-38-31.8	I	*	*	U	-	-	-	
24 AUG 65	18-53-53.0	I	*	*	U	-	-	-	
24 AUG 65	19-35-24.6	I	*	*	U	-	-	-	
24 AUG 65	19-41-55	E	*	*	*	-	-	-	
24 AUG 65	19-51-54	E	*	*	*	-	-	-	LOCAL
24 AUG 65	19-58-47	E	*	*	*	-	-	-	
24 AUG 65	20-23-39.8	I	*	*	U	-	-	-	
24 AUG 65	21-28-41.7	I	*	*	U	-	-	-	
24 AUG 65	21-47-32	E	*	*	*	-	-	-	
25 AUG 65	05-09-40.0	I	*	*	D	-	-	-	
25 AUG 65	14-29-19	E	*	*	*	-	-	-	
25 AUG 65	14-38-13.4	I	*	*	U	-	-	-	

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON SHORT PER LONG PER									REMARKS
			NS	EW	Z	NS	EW	Z	NS	EW	Z	
25 AUG 65	14-59-40.0	I	*	*	D	-	-	-				
25 AUG 65	15-04-44	E	*	*	*	-	-	-				
25 AUG 65	15-49-18	E	*	*	*	-	-	-				LOCAL
25 AUG 65	16-16-23	E	*	*	*	-	-	-				
25 AUG 65	16-27-23.2	I	*	*	U	-	-	-				
25 AUG 65	16-36-19	E	*	*	*	-	-	-				LOCAL
25 AUG 65	17-13-29.5	I	*	*	D	-	-	-				
25 AUG 65	18-11-59	E	*	*	*	-	-	-				LOCAL
25 AUG 65	18-40-41	E	*	*	*	-	-	-				
25 AUG 65	18-44-05	E	*	*	*	-	-	-				LOCAL
25 AUG 65	19-14-14	E	*	*	*	-	-	-				
25 AUG 65	19-35-36	E	*	*	*	-	-	-				
25 AUG 65	19-43-02.2	I	*	*	U	-	-	-				
25 AUG 65	19-51-23	E	*	*	*	-	-	-				
25 AUG 65	20-36-14	E	*	*	*	-	-	-				
25 AUG 65	20-58-44	E	*	*	*	-	-	-				
25 AUG 65	21-01-46	E	*	*	*	-	-	-				LOCAL
25 AUG 65	21-31-00	E	*	*	*	-	-	-				
25 AUG 65	22-31-21	E	*	*	*	-	-	-				
26 AUG 65	09-00-44.6	I	*	*	U	-	-	-				
26 AUG 65	12-32-54	E	*	*	*	-	-	-				
26 AUG 65	14-33-03	E	*	*	*	-	-	-				
26 AUG 65	14-46-27	E	*	*	*	-	-	-				LOCAL
26 AUG 65	16-12-09	E	*	*	*	-	-	-				
26 AUG 65	19-27-47	E	*	*	*	-	-	-				LOCAL
27 AUG 65	01-56-31	E	*	*	*	-	-	-				
27 AUG 65	13-26-41	E	*	*	*	-	-	-				LOCAL
27 AUG 65	14-39-38	E	*	*	*	-	-	-				
27 AUG 65	16-25-43	E	*	*	*	-	-	-				
27 AUG 65	18-15-33	E	*	*	*	-	-	-				LOCAL
27 AUG 65	19-53-05	E	*	*	*	-	-	-				LOCAL
27 AUG 65	20-00-20	E	*	*	*	-	-	-				
27 AUG 65	20-18-12	E	*	*	*	-	-	-				LOCAL
27 AUG 65	20-41-22	E	*	*	*	-	-	-				
27 AUG 65	20-48-55	E	*	*	*	-	-	-				LOCAL
27 AUG 65	21-42-32	E	*	*	*	-	-	-				
28 AUG 65	13-20-24	E	*	*	*	-	-	-				
28 AUG 65	15-32-13	E	*	*	*	-	-	-				LOCAL
28 AUG 65	15-45-14	E	*	*	*	-	-	-				
28 AUG 65	15-58-17	E	*	*	*	-	-	-				
28 AUG 65	16-11-37	E	*	*	*	-	-	-				
28 AUG 65	16-25-35.5	I	*	*	U	-	-	-				LOCAL
28 AUG 65	17-56-23.0	I	*	*	U	-	-	-				
28 AUG 65	18-32-42	E	*	*	*	-	-	-				
28 AUG 65	18-40-22.9	I	*	*	U	-	-	-				
28 AUG 65	18-58-24	E	*	*	*	-	-	-				
28 AUG 65	19-26-57	E	*	*	*	-	-	-				
28 AUG 65	23-17-37	E	*	*	*	-	-	-				
28 AUG 65	23-21-48	E	*	*	*	-	-	-				
29 AUG 65	01-51-48.5	I	*	*	U	*	*	*				

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON SHORT PER LONG PER						REMARKS
			NS	EW	Z	NS	EW	Z	
29 AUG 65	20-18-06	E	*	*	*	-	-	-	
29 AUG 65	20-30-30	E	*	*	*	-	-	-	
30 AUG 65	09-47-54.3	I	S	E	U	-	-	-	
30 AUG 65	16-12-47.2	I	N	E	U	-	-	-	
30 AUG 65	18-57-11	E	*	*	*	-	-	-	LOCAL
30 AUG 65	19-23-21	E	*	*	*	-	-	-	
30 AUG 65	19-47-06	E	*	*	*	-	-	-	
30 AUG 65	20-47-33.4	I	*	*	U	-	-	-	LOCAL
31 AUG 65	03-44-13	E	*	*	*	-	-	-	LOCAL
31 AUG 65	07-42-06	E	*	*	*	-	-	-	
31 AUG 65	12-39-55	E	*	*	*	-	-	-	
31 AUG 65	15-57-03	E	*	*	*	-	-	-	
31 AUG 65	17-01-19	E	*	*	*	-	-	-	
31 AUG 65	17-40-28	E	*	*	*	-	-	-	LOCAL
31 AUG 65	17-48-24	E	*	*	*	-	-	-	LOCAL
31 AUG 65	18-00-13	E	*	*	*	-	-	-	
31 AUG 65	18-04-02	E	*	*	*	-	-	-	
31 AUG 65	18-11-48	E	*	*	*	-	-	-	LOCAL
31 AUG 65	20-02-52.3	I	*	*	D	-	-	-	
31 AUG 65	20-06-15	E	*	*	*	-	-	-	LOCAL
31 AUG 65	20-14-43	E	*	*	*	-	-	-	LOCAL
31 AUG 65	20-24-09	E	*	*	*	-	-	-	
31 AUG 65	21-13-35.6	I	*	*	U	-	-	-	
31 AUG 65	23-09-42	E	*	*	*	-	-	-	
31 AUG 65	23-24-13.3	I	*	*	U	-	-	-	
31 AUG 65	23-41-48.6	I	*	*	U	-	-	-	
01 SEP 65	13-32-10	E	*	*	*	-	-	-	
01 SEP 65	16-38-48	E	*	*	*	-	-	-	
01 SEP 65	17-18-54	E	*	*	*	-	-	-	
01 SEP 65	17-28-33	E	*	*	*	-	-	-	
01 SEP 65	17-34-53	E	*	*	*	-	-	-	
01 SEP 65	18-23-34	E	*	*	*	-	-	-	
01 SEP 65	21-43-00	E	*	*	*	-	-	-	
02 SEP 65	02-24-15	E	*	*	*	*	*	*	
02 SEP 65	04-37-35.0	I	S	E	U	*	*	*	
02 SEP 65	12-05-32	E	*	*	*	-	-	-	
02 SEP 65	14-08-17	E	*	*	*	-	-	-	
02 SEP 65	14-45-42	E	*	*	*	-	-	-	
02 SEP 65	15-09-13	E	*	*	*	-	-	-	
02 SEP 65	16-06-56	E	*	*	*	-	-	-	
02 SEP 65	16-39-37	E	*	*	*	-	-	-	
02 SEP 65	17-30-08	E	*	*	*	-	-	-	
02 SEP 65	17-33-08	E	*	*	*	-	-	-	
02 SEP 65	18-56-01	E	*	*	*	-	-	-	
02 SEP 65	19-40-18	E	*	*	*	-	-	-	
02 SEP 65	19-52-29	E	*	*	*	-	-	-	LOCAL
02 SEP 65	20-32-41.4	I	*	*	D	-	-	-	
02 SEP 65	20-33-13.0	I	*	*	U	-	-	-	
03 SEP 65	00-15-11	E	*	*	*	-	-	-	
03 SEP 65	14-32-36.9	I	*	*	U	-	-	-	

DATE	GMT OF FIRST MOTION		TYPE OF ONSET	OBSERVABLE ON						REMARKS
	NS	EW		Z	NS	EW	Z			
03 SEP 65	15-16-38		E	*	*	*	-	-	-	
03 SEP 65	15-43-25		E	*	*	*	-	-	-	
03 SEP 65	16-08-32.0		I	*	*	D	-	-	-	
03 SEP 65	16-29-45.2		I	*	*	U	-	-	-	
03 SEP 65	17-31-22		E	*	*	*	-	-	-	
03 SEP 65	20-07-35		E	*	*	*	-	-	-	
03 SEP 65	20-14-12.8		I	*	*	U	-	-	-	
03 SEP 65	20-32-38.4		I	*	*	U	-	-	-	
03 SEP 65	20-34-12		E	*	*	*	-	-	-	
03 SEP 65	23-45-33.2		I	*	*	U	-	-	-	
04 SEP 65	07-58-54		E	*	*	*	-	-	-	
04 SEP 65	10-31-57		E	*	*	*	-	-	-	
04 SEP 65	14-41-35.5		I	*	*	U	*	*	*	
04 SEP 65	17-40-42.6		I	*	*	U	-	-	-	
04 SEP 65	17-42-51		E	*	*	*	-	-	-	
04 SEP 65	18-44-48		E	*	*	*	-	-	-	
04 SEP 65	19-55-29		E	*	*	*	-	-	-	
04 SEP 65	20-02-35.3		I	*	*	D	-	-	-	
04 SEP 65	20-12-34		E	*	*	*	-	-	-	
04 SEP 65	20-57-14		E	*	*	*	-	-	-	
04 SEP 65	21-18-27.6		I	*	*	U	-	-	-	
04 SEP 65	21-49-23		E	*	*	*	-	-	-	
05 SEP 65	11-47-12		E	*	*	*	-	-	-	
05 SEP 65	14-10-52		E	*	*	*	-	-	-	
05 SEP 65	19-04-31		E	*	*	*	-	-	-	
05 SEP 65	20-42-09		E	*	*	*	-	-	-	
06 SEP 65	17-10-09		E	*	*	*	-	-	-	
06 SEP 65	17-25-55		E	*	*	*	-	-	-	
06 SEP 65	18-05-07		E	*	*	*	-	-	-	
06 SEP 65	19-38-25		E	*	*	*	-	-	-	
06 SEP 65	21-20-21		E	*	*	*	-	-	-	
07 SEP 65	02-08-52		E	*	*	*	-	-	-	
07 SEP 65	17-31-41		E	*	*	*	-	-	-	LOCAL
07 SEP 65	19-16-13		E	*	*	*	-	-	-	
07 SEP 65	19-29-23		E	*	*	*	-	-	-	
07 SEP 65	19-32-31		E	*	*	*	-	-	-	LOCAL
07 SEP 65	19-37-45.6		I	*	*	U	-	-	-	LOCAL
07 SEP 65	19-54-09		E	*	*	*	-	-	-	
07 SEP 65	20-08-13		E	*	*	*	-	-	-	LOCAL
08 SEP 65	02-06-55.7		I	*	*	U	-	-	-	LOCAL
08 SEP 65	03-35-04.7		IP	N	W	D	*	*	*	
08 SEP 65	11-25-33		E	*	*	*	*	*	*	
08 SEP 65	15-32-19.6		IP	*	*	U	-	-	-	LOCAL
08 SEP 65	16-05-49		E	*	*	*	-	-	-	LOCAL
08 SEP 65	16-59-22		E	*	*	*	-	-	-	
08 SEP 65	18-01-22.3		I	*	*	U	-	-	-	
08 SEP 65	19-11-47		E	*	*	*	-	-	-	LOCAL
08 SEP 65	19-49-31		EP	*	*	*	-	-	-	LOCAL
08 SEP 65	21-03-36		E	*	*	*	-	-	-	
09 SEP 65	10-09-14.5		IP	N	E	U	*	*	*	

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON						REMARKS
			NS	EW	Z	NS	EW	Z	
09 SEP 65	14-38-53	E	*	*	*	-	-	-	
09 SEP 65	14-40-15.3	I	*	*	U	-	-	-	
09 SEP 65	14-43-48	E	*	*	*	-	-	-	LOCAL
09 SEP 65	15-21-56	E	*	*	*	-	-	-	
09 SEP 65	17-43-51	E	*	*	*	-	-	-	LOCAL
09 SEP 65	18-34-40	E	*	*	*	-	-	-	LOCAL
09 SEP 65	19-24-53	E	*	*	*	-	-	-	
09 SEP 65	20-18-26	E	*	*	*	-	-	-	
10 SEP 65	15-47-53	E	*	*	*	-	-	-	
10 SEP 65	16-13-20	E	*	*	*	-	-	-	
10 SEP 65	16-20-27	E	*	*	*	-	-	-	
10 SEP 65	16-44-41.3	I	*	*	U	-	-	-	
10 SEP 65	17-15-03	EP	*	*	*	-	-	-	
10 SEP 65	18-15-35	E	*	*	*	-	-	-	
10 SEP 65	19-16-34	E	*	*	*	-	-	-	
10 SEP 65	19-22-17	E	*	*	*	-	-	-	
10 SEP 65	20-24-03.5	I	*	*	U	-	-	-	LOCAL
10 SEP 65	20-46-48	E	*	*	*	-	-	-	LOCAL
10 SEP 65	21-12-10	E	*	*	*	-	-	-	LOCAL
10 SEP 65	23-14-17	E	*	*	*	-	-	-	
11 SEP 65	07-11-52.2	I	N	*	D	*	*	*	
11 SEP 65	15-11-40	E	*	*	*	-	-	-	
11 SEP 65	16-40-44.6	I	*	*	U	-	-	-	
11 SEP 65	17-11-43.1	IP	*	*	D	-	-	-	LOCAL
11 SEP 65	18-01-54	EP	*	*	*	-	-	-	LOCAL
11 SEP 65	18-51-04	E	*	*	*	-	-	-	LOCAL
12 SEP 65	08-59-09.0	I	N	*	D	*	*	*	
12 SEP 65	22-21-41	E	*	*	*	-	-	-	
12 SEP 65	22-24-30.3	I	*	*	D	*	*	*	
13 SEP 65	10-08-03	E	*	*	*	-	-	-	
13 SEP 65	13-18-58.8	I	N	*	U	*	*	*	
13 SEP 65	13-43-18.5	I	*	*	U	-	-	-	LOCAL
13 SEP 65	15-04-36	E	*	*	*	-	-	-	LOCAL
13 SEP 65	15-59-09	E	*	*	*	-	-	-	
13 SEP 65	16-27-45	E	*	*	*	*	*	*	
13 SEP 65	16-40-54.0	IP	*	*	U	-	-	-	
13 SEP 65	17-15-45.0	I	*	*	U	-	-	-	LOCAL
13 SEP 65	19-11-44	E	*	*	*	-	-	-	
13 SEP 65	19-17-01	E	*	*	*	-	-	-	
13 SEP 65	19-41-21	EP	*	*	*	-	-	-	
13 SEP 65	19-57-05	E	*	*	*	-	-	-	
13 SEP 65	20-15-27	E	*	*	*	-	-	-	
13 SEP 65	20-32-59	E	*	*	*	-	-	-	
13 SEP 65	20-46-12	E	*	*	*	-	-	-	
13 SEP 65	21-05-32	E	*	*	*	-	-	-	
13 SEP 65	21-10-10	E	*	*	*	-	-	-	
13 SEP 65	22-30-12.7	IP	*	*	U	-	-	-	
14 SEP 65	13-46-38	E	*	*	*	-	-	-	
14 SEP 65	14-10-51	EP	*	*	*	-	-	-	
14 SEP 65	14-16-02	E	*	*	*	-	-	-	

DATE	GMT OF		TYPE	OBSERVABLE ON									REMARKS
	FIRST	MOTION		ONSET	NS	EW	Z	NS	EW	Z	PER	LONG	
14 SEP 65	14-28-39.9		IP	*	*	D	-	-	-				
14 SEP 65	14-39-38		E	*	*	*	-	-	-				LOCAL
14 SEP 65	14-48-58.6		I	*	*	U	-	-	-				LOCAL
14 SEP 65	16-11-56.0		IP	*	*	U	-	-	-				
14 SEP 65	16-16-28.7		I	*	*	D	-	-	-				
14 SEP 65	16-53-49		EP	*	*	*	-	-	-				
14 SEP 65	17-25-15		E	*	*	*	-	-	-				
14 SEP 65	17-43-04		E	*	*	*	-	-	-				
14 SEP 65	17-54-30.6		IP	*	*	D	-	-	-				
14 SEP 65	18-01-48		E	*	*	*	-	-	-				
14 SEP 65	18-42-48		E	*	*	*	-	-	-				
14 SEP 65	18-58-42		E	*	*	*	-	-	-				
14 SEP 65	19-09-42.0		I	*	*	U	-	-	-				
14 SEP 65	19-26-14.3		I	*	*	U	-	-	-				
14 SEP 65	19-44-24		E	*	*	*	-	-	-				
14 SEP 65	19-45-22.6		I	*	*	D	-	-	-				LOCAL
14 SEP 65	20-03-30.8		IP	*	*	D	-	-	-				
14 SEP 65	20-21-06		E	*	*	*	-	-	-				
14 SEP 65	20-44-17		E	*	*	*	-	-	-				
14 SEP 65	21-15-32		E	*	*	*	-	-	-				
14 SEP 65	21-37-09.3		IP	*	*	U	-	-	-				
14 SEP 65	21-42-09.8		I	*	*	U	-	-	-				
14 SEP 65	21-49-43.3		I	*	*	U	-	-	-				
14 SEP 65	22-54-43		E	*	*	*	-	-	-				
14 SEP 65	23-04-46		E	*	*	*	-	-	-				
14 SEP 65	23-20-46		E	*	*	*	-	-	-				
15 SEP 65	12-59-02		E	*	*	*	-	-	-				
15 SEP 65	17-41-56		E	*	*	*	-	-	-				
15 SEP 65	17-58-14		EP	*	*	*	-	-	-				
15 SEP 65	18-03-23		E	*	*	*	-	-	-				
15 SEP 65	19-18-33		E	*	*	*	-	-	-				
15 SEP 65	19-27-06		E	*	*	*	-	-	-				
15 SEP 65	19-34-51		E	*	*	*	-	-	-				
15 SEP 65	19-49-51		E	*	*	*	-	-	-				
15 SEP 65	20-20-10.0		IP	*	*	U	-	-	-				
15 SEP 65	21-30-34		E	*	*	*	-	-	-				
15 SEP 65	21-49-06		EP	*	*	*	-	-	-				
15 SEP 65	22-27-38		E	*	*	*	-	-	-				
16 SEP 65	04-17-22.8		IP	N	E	U	*	*	*				
16 SEP 65	13-37-22		E	*	*	*	-	-	-				
16 SEP 65	14-08-41.5		IP	*	*	U	-	-	-				
16 SEP 65	15-15-21		EP	*	*	*	-	-	-				
16 SEP 65	15-58-22		E	*	*	*	-	-	-				
16 SEP 65	16-03-25		EP	*	*	*	-	-	-				
16 SEP 65	16-32-27.0		I	*	*	U	-	-	-				
16 SEP 65	17-02-22		E	*	*	*	-	-	-				
16 SEP 65	17-18-57		EP	*	*	*	-	-	-				
16 SEP 65	17-29-52.8		IP	*	*	U	-	-	-				
16 SEP 65	19-01-20.3		IP	*	*	D	-	-	-				
16 SEP 65	19-52-19.6		I	N	E	U	*	*	*				UNDERWATER BLAST

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DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON									REMARKS	
			NS	EW	Z	NS	EW	Z	NS	EW	Z		
16 SEP 65	20-30-10	E	*	*	*	-	-	-					
16 SEP 65	20-42-29.6	I	*	*	U	-	-	-					
16 SEP 65	20-51-47.5	IP	*	*	D	-	-	-					
16 SEP 65	21-31-55.3	I	*	*	U	-	-	-					
16 SEP 65	22-51-53	E	*	*	*	-	-	-					
16 SEP 65	23-13-26.6	I	*	*	D	-	-	-					
17 SEP 65	09-25-54	E	*	*	*	-	-	-					
17 SEP 65	11-21-31.6	IP	N	E	U	N	*	U					
17 SEP 65	13-54-54.3	I	S	W	D	-	-	-					
17 SEP 65	14-27-08	E	*	*	*	-	-	-					
17 SEP 65	15-37-58	E	*	*	*	-	-	-				LOCAL	
17 SEP 65	15-42-44	E	*	*	*	-	-	-				LOCAL	
17 SEP 65	15-46-56.3	IP	*	E	D	-	-	-					
18 SEP 65	23-41-27	E	*	*	*	-	-	-					
19 SEP 65	03-58-53	E	*	*	*	-	-	-					
19 SEP 65	04-41-13	E	*	*	*	-	-	-					
19 SEP 65	09-06-54	E	*	*	*	-	-	-					
19 SEP 65	09-10-44	E	*	*	*	-	-	-					
19 SEP 65	12-27-26	E	*	*	*	-	-	-					
22 SEP 65	00-43-47	E	*	*	*	-	-	-					
22 SEP 65	02-09-43.5	I	N	E	D	-	-	-					
22 SEP 65	13-26-19	E	*	*	*	-	-	-					
22 SEP 65	13-51-56	E	*	*	*	-	-	-					
22 SEP 65	22-21-03	E	*	*	*	-	-	-					
22 SEP 65	23-19-32	E	*	*	*	-	-	-					
23 SEP 65	02-07-20	E	*	*	*	-	-	-					
23 SEP 65	11-42-29	E	*	*	*	-	-	-					
23 SEP 65	14-38-08	E	*	*	*	-	-	-					
23 SEP 65	14-50-12.4	I	*	*	D	-	-	-					
23 SEP 65	14-54-07	E	*	*	*	-	-	-					
23 SEP 65	15-09-03	E	*	*	*	-	-	-					
23 SEP 65	16-08-00	E	*	*	*	-	-	-					
23 SEP 65	16-46-09	E	*	*	*	-	-	-					
23 SEP 65	19-36-21.3	I	*	*	U	-	-	-					
23 SEP 65	19-44-10	E	*	*	*	-	-	-					
23 SEP 65	19-46-05	E	*	*	*	-	-	-					
23 SEP 65	20-10-28.0	I	N	*	U	-	-	-				BLAST	
23 SEP 65	20-19-17	E	*	*	*	-	-	-				BLAST	
23 SEP 65	20-45-33.8	IP	N	E	U	-	-	-				BLAST	
23 SEP 65	23-04-08	E	*	*	*	-	-	-					
24 SEP 65	14-37-12	E	*	*	*	-	-	-					
24 SEP 65	15-32-01.1	I	N	*	U	-	-	-				BLAST	
24 SEP 65	16-01-05	E	*	*	*	-	-	-				LOCAL	
24 SEP 65	16-59-50.0	I	*	W	D	-	-	-				LOCAL	
24 SEP 65	18-27-20.6	I	N	*	U	-	-	-					
24 SEP 65	19-30-05	E	*	*	*	-	-	-					
24 SEP 65	19-40-01	E	*	*	*	-	-	-					
24 SEP 65	20-09-05.6	IP	*	E	D	-	-	-					
24 SEP 65	20-11-49.2	IP	*	W	D	-	-	-				LOCAL	
24 SEP 65	20-15-42	EP	*	*	*	-	-	-				BLAST	

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON									REMARKS
			NS	EW	Z	NS	EW	Z	NS	EW	Z	
24 SEP 65	20-53-17	E	*	*	*	-	-	-				LOCAL
24 SEP 65	21-04-45.5	IP	N	W	U	-	-	-				BLAST
24 SEP 65	21-07-26	E	*	*	*	-	-	-				BLAST
24 SEP 65	23-52-46	E	*	*	*	-	-	-				
25 SEP 65	02-04-47	EP	*	*	*	-	-	-				BLAST
25 SEP 65	02-11-12.0	IP	*	*	U	-	-	-				LOCAL
25 SEP 65	04-33-39.4	IP	*	*	D	-	-	-				BLAST
25 SEP 65	14-11-17	E	*	*	*	-	-	-				
25 SEP 65	15-45-57	E	*	*	*	-	-	-				BLAST
25 SEP 65	16-18-46	E	*	*	*	-	-	-				LOCAL
25 SEP 65	17-02-33.4	I	N	W	U	-	-	-				BLAST
25 SEP 65	17-52-41	E	*	*	*	-	-	-				LOCAL
25 SEP 65	18-18-16.9	IP	N	W	D	-	-	-				LOCAL
25 SEP 65	18-19-40.3	IP	N	*	U	-	-	-				LOCAL
25 SEP 65	19-03-23	E	*	*	*	-	-	-				LOCAL
25 SEP 65	19-07-24	E	*	*	*	-	-	-				
25 SEP 65	19-19-07.5	I	*	*	U	-	-	-				LOCAL
25 SEP 65	19-39-27	EP	*	*	*	-	-	-				
25 SEP 65	20-07-03.8	I	*	*	U	-	-	-				BLAST
25 SEP 65	20-16-33	E	*	*	*	-	-	-				
25 SEP 65	20-23-51.0	I	*	*	U	-	-	-				LOCAL
25 SEP 65	21-56-37.9	IP	*	*	D	-	-	-				BLAST
26 SEP 65	00-42-25	E	*	*	*	-	-	-				
26 SEP 65	07-16-	E	*	-	*	*	-	-				
26 SEP 65	10-17-	E	-	-	-	*	*	*				
26 SEP 65	14-40-55	E	*	*	*	-	-	-				BLAST
26 SEP 65	18-39-04	E	*	*	*	-	-	-				LOCAL
26 SEP 65	19-18-33.0	I	*	*	U	-	-	-				LOCAL
26 SEP 65	21-51-50	E	*	*	*	-	-	-				
27 SEP 65	05-20-09.0	IP	W	E	U	*	*	*				
27 SEP 65	13-17-08.0	I	*	*	U	-	-	-				BLAST
27 SEP 65	18-29-07	E	*	*	*	-	-	-				LOCAL
27 SEP 65	18-31-04	E	*	*	*	-	-	-				BLAST
27 SEP 65	18-34-37.0	I	*	*	D	-	-	-				BLAST
27 SEP 65	18-37-36.4	I	*	*	U	-	-	-				
27 SEP 65	19-01-06	E	*	*	*	-	-	-				
27 SEP 65	19-27-24	E	*	*	*	-	-	-				LOCAL
27 SEP 65	19-35-10	EP	*	*	*	-	-	-				LOCAL
27 SEP 65	19-45-10	EP	*	*	*	-	-	-				LOCAL
27 SEP 65	21-00-49	EP	*	*	*	-	-	-				BLAST
27 SEP 65	21-41-12.5	I	*	*	D	-	-	-				LOCAL
27 SEP 65	22-44-57	E	*	*	*	-	-	-				
28 SEP 65	05-36-	E	-	-	-	*	*	*				
28 SEP 65	13-53-44.5	IP	*	W	D	-	-	-				
28 SEP 65	15-00-22	E	*	*	*	-	-	-				
28 SEP 65	17-08-29.1	I	*	*	U	-	-	-				
28 SEP 65	17-34-36	E	*	*	*	-	-	-				
28 SEP 65	18-09-50.4	IP	N	W	U	-	-	-				
28 SEP 65	19-39-59	E	*	*	*	-	-	-				
28 SEP 65	20-14-14	E	*	*	*	-	-	-				

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON						REMARKS
			NS	EW	Z	NS	EW	Z	
28 SEP 65	22-13-06	E	*	*	*	-	-	-	LOCAL
29 SEP 65	19-25-44	EP	*	*	*	-	-	-	LOCAL
29 SEP 65	19-31-51	E	*	*	*	-	-	-	LOCAL
29 SEP 65	20-40-30	EP	*	*	*	-	-	-	
29 SEP 65	20-19-17.2	IP	S	E	U	-	-	-	
29 SEP 65	21-20-43.6	I	N	W	U	-	-	-	LOCAL
29 SEP 65	23-27-20.2	IP	N	W	U	-	-	-	
29 SEP 65	23-37-	E	-	-	-	*	*	*	
30 SEP 65	19-59-55.1	I	N	*	D	-	-	-	BLAST
30 SEP 65	23-55-48.0	IP	*	*	D	*	*	*	
01 OCT 65	09-03-00.9	IP	*	*	D	*	*	D	
01 OCT 65	14-42-51	E	*	*	*	-	-	-	LOCAL
01 OCT 65	15-44-16	E	*	*	*	-	-	-	LOCAL
01 OCT 65	17-19-20	EP	*	*	*	-	-	-	LOCAL
01 OCT 65	17-23-43	EP	*	*	*	-	-	-	LOCAL
01 OCT 65	18-10-15	E	*	*	*	-	-	-	LOCAL
01 OCT 65	18-38-26	E	*	*	*	-	-	-	LOCAL
01 OCT 65	18-58-41	EP	*	*	*	-	-	-	
01 OCT 65	19-01-57	E	*	*	*	-	-	-	BLAST
02 OCT 65	08-51-29.0	IP	*	*	U	-	-	-	
02 OCT 65	11-06-39	E	*	*	*	-	-	-	LOCAL
02 OCT 65	19-49-35	E	*	*	*	-	-	-	
03 OCT 65	10-56-25.4	IP	N	E	U	-	-	-	
03 OCT 65	14-57-24.0	IP	S	E	U	*	*	U	
03 OCT 65	16-27-20.3	IP	S	*	D	-	-	-	
03 OCT 65	21-33-46	E	*	*	*	-	-	-	
04 OCT 65	03-41-15	E	*	*	*	-	-	-	
04 OCT 65	04-19-56.1	I	*	*	U	-	-	-	
04 OCT 65	04-34-	E	-	-	-	-	-	*	
04 OCT 65	06-29-38	E	*	*	*	-	-	-	
04 OCT 65	06-40-	E	-	-	-	-	-	*	
04 OCT 65	21-27-30	EP	*	*	*	-	-	-	
04 OCT 65	21-37-08	E	*	*	*	-	-	-	LOCAL
05 OCT 65	00-24-44.0	IP	N	*	D	-	-	-	
05 OCT 65	00-35-49	EP	*	*	*	-	-	-	
05 OCT 65	14-42-08	EP	*	*	*	-	-	-	
05 OCT 65	17-23-16	EP	*	*	*	-	-	-	
05 OCT 65	17-30-31.2	IP	*	E	U	-	-	-	
05 OCT 65	18-21-21	E	*	*	*	-	-	-	LOCAL
05 OCT 65	19-27-28	EP	*	*	*	-	-	-	
05 OCT 65	20-01-48.1	I	N	E	D	-	-	-	LOCAL
05 OCT 65	21-14-42.2	I	N	*	U	-	-	-	BLAST
05 OCT 65	21-18-33	EP	*	*	*	-	-	-	
05 OCT 65	21-31-01	E	*	*	*	-	-	-	
06 OCT 65	12-05-20.0	I	N	E	*	-	-	-	
06 OCT 65	13-50-09.8	I	*	*	D	-	-	-	BLAST
06 OCT 65	17-30-47	EP	*	*	*	-	-	-	
06 OCT 65	19-15-38	E	*	*	*	-	-	-	LOCAL
06 OCT 65	19-23-58.5	I	N	W	U	-	-	-	BLAST
06 OCT 65	19-41-31	E	*	*	*	-	-	-	LOCAL

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON						REMARKS
			NS	EW	Z	NS	EW	Z	
06 OCT 65	21-22-40.3	I	*	*	U	-	-	-	
06 OCT 65	21-34-33.0	IP	N	E	U	-	-	-	
07 OCT 65	02-06-	E	-	-	-	*	*	*	
07 OCT 65	04-53-	E	-	-	-	*	*	*	
07 OCT 65	05-56-02	EP	*	*	*	-	-	-	
07 OCT 65	16-01-52	E	*	*	*	-	-	-	LOCAL
07 OCT 65	13-35-05.6	I	*	*	D	-	-	-	
07 OCT 65	16-53-35.8	I	*	*	U	-	-	-	
07 OCT 65	17-21-16.3	IP	N	W	D	-	-	-	LOCAL
07 OCT 65	18-42-13.2	IP	W	E	U	-	-	-	LOCAL
07 OCT 65	19-29-18	EP	*	*	*	-	-	-	
07 OCT 65	20-02-23.3	I	*	*	U	-	-	-	
07 OCT 65	20-06-05.7	I	N	*	D	-	-	-	LOCAL
08 OCT 65	02-17-49	EP	*	*	*	-	-	-	
08 OCT 65	13-54-46	EP	*	*	*	-	-	-	BLAST
08 OCT 65	15-40-41.5	I	*	*	D	-	-	-	
08 OCT 65	17-10-10	EP	*	*	*	-	-	-	
08 OCT 65	17-52-10.0	IP	N	E	U	-	-	-	
08 OCT 65	17-58-02	EP	*	*	*	-	-	-	LOCAL
08 OCT 65	19-21-54	E	*	*	*	-	-	-	
09 OCT 65	00-08-03	E	*	*	*	-	-	-	
09 OCT 65	07-53-22.5	I	*	*	U	-	-	-	
09 OCT 65	14-12-14.0	IP	*	*	D	-	-	-	LOCAL
09 OCT 65	16-42-19	E	*	*	*	-	-	-	LOCAL
09 OCT 65	17-01-24	EP	*	*	*	-	-	-	LOCAL
09 OCT 65	17-17-44	EP	*	*	*	-	-	-	LOCAL
09 OCT 65	17-58-13	EP	*	*	*	-	-	-	
09 OCT 65	18-22-15.3	IP	N	E	D	-	-	-	LOCAL
09 OCT 65	19-22-14	E	*	*	*	-	-	-	LOCAL
09 OCT 65	19-46-01	E	*	*	*	-	-	-	BLAST
09 OCT 65	20-04-37	E	*	*	*	-	-	-	
09 OCT 65	20-24-55	E	*	*	*	-	-	-	BLAST
10 OCT 65	00-46-24.6	IP	N	E	D	-	-	-	
10 OCT 65	17-44-20	E	*	*	*	-	-	-	
10 OCT 65	18-18-	E	-	-	-	-	-	*	
11 OCT 65	14-42-27.2	I	N	*	U	-	-	-	LOCAL
11 OCT 65	16-26-56.7	IP	N	W	D	-	-	-	LOCAL
11 OCT 65	18-38-43.8	I	*	*	D	-	-	-	LOCAL
11 OCT 65	20-16-44.4	IP	N	W	U	-	-	-	LOCAL
11 OCT 65	22-41-05.4	IP	N	E	U	-	-	-	
12 OCT 65	06-37-42.8	I	*	*	U	-	-	-	
12 OCT 65	08-24-36	E	*	*	*	-	-	-	
12 OCT 65	08-43-	E	-	-	-	*	*	*	
12 OCT 65	13-49-50.3	IP	S	E	D	*	*	*	
12 OCT 65	18-12-24.8	I	N	E	U	-	-	-	LOCAL
12 OCT 65	19-11-51	EP	*	*	*	-	-	-	LOCAL
12 OCT 65	20-00-25	E	*	*	*	-	-	-	LOCAL
12 OCT 65	20-30-26	E	*	*	*	-	-	-	LOCAL
12 OCT 65	21-57-25	EP	*	*	*	-	-	-	
12 OCT 65	23-32-01	EP	*	*	*	-	-	-	

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON SHORT PER LONG PER									REMARKS		
			NS	EW	Z	NS	EW	Z	NS	EW	Z			
13 OCT 65	15-15-04	EP	*	*	*	-	-	-						
13 OCT 65	18-53-09	EP	*	*	*	-	-	-						
13 OCT 65	19-13-38	EP	*	*	*	-	-	-				LOCAL		
13 OCT 65	20-12-10	EP	*	*	*	-	-	-				LOCAL		
13 OCT 65	20-30-14.4	I	*	*	D	-	-	-				LOCAL		
13 OCT 65	21-11-51	E	*	*	*	-	-	-				LOCAL		
13 OCT 65	23-08-41.5	I	N	E	U	-	-	-				BLAST		
14 OCT 65	10-50-11	EP	*	*	*	-	-	-						
14 OCT 65	16-11-05	EP	*	*	*	-	-	-				LOCAL		
14 OCT 65	16-59-40	E	*	*	*	-	-	-				LOCAL		
14 OCT 65	18-04-45	EP	*	*	*	-	-	-						
14 OCT 65	19-39-42	E	*	*	*	-	-	-				LOCAL		
14 OCT 65	22-08-02	E	*	*	*	-	-	-				LOCAL		
15 OCT 65	00-41-36.5	I	*	*	U	*	*	*						
15 OCT 65	18-02-58.3	IP	*	*	U	-	-	-						
15 OCT 65	19-24-41.6	IP	S	E	U	-	-	-				LOCAL		
15 OCT 65	21-07-25	E	*	*	*	-	-	-				LOCAL		
15 OCT 65	21-18-57.2	I	N	E	U	-	-	-				LOCAL		
15 OCT 65	21-32-29.5	IP	*	*	D	-	-	-				LOCAL		
15 OCT 65	22-44-45.2	IP	S	*	U	-	-	-						
16 OCT 65	14-29-20.6	IP	N	E	U	*	*	*						
16 OCT 65	19-34-27	EP	*	*	*	-	-	-				LOCAL		
16 OCT 65	20-13-03	EP	*	*	*	-	-	-						
16 OCT 65	20-27-40	EP	*	*	*	-	-	-						
17 OCT 65	00-59-51	IP	S	E	D	-	-	-						
17 OCT 65	17-48-24	EP	*	*	*	-	-	-						
18 OCT 65	15-50-28	EP	*	*	*	-	-	-						
18 OCT 65	15-58-48	EP	*	*	*	-	-	-						
18 OCT 65	18-32-05	EP	*	*	*	-	-	-				LOCAL		
18 OCT 65	19-23-24.5	IP	N	*	U	-	-	-				BLAST		
18 OCT 65	19-58-14	E	*	*	*	-	-	-				LOCAL		
18 OCT 65	21-05-51	EP	*	*	*	-	-	-				LOCAL		
18 OCT 65	22-09-18	EP	*	*	*	-	-	-						
18 OCT 65	22-56-22	EP	*	*	*	-	-	-						
19 OCT 65	15-04-19	EP	*	*	*	-	-	-				LOCAL		
19 OCT 65	19-44-44.3	I	N	*	U	-	-	-				BLAST		
19 OCT 65	19-54-02.0	I	S	*	D	-	-	-				BLAST		
19 OCT 65	20-59-43.6	IP	S	E	D	*	*	*						
19 OCT 65	21-37-34.7	IP	N	W	U	-	-	-				LOCAL		
19 OCT 65	21-47-07	E	*	*	*	-	-	-						
19 OCT 65	22-07-07.3	IP	N	W	U	-	-	-				LOCAL		
20 OCT 65	11-18-34.2	I	*	*	D	-	-	-						
20 OCT 65	15-17-36	E	*	*	*	-	-	-				LOCAL		
21 OCT 65	00-00-27.7	IP	*	*	U	N	E	U						
21 OCT 65	02-07-11.2	IP	N	*	U	*	*	*						
21 OCT 65	17-08-33	EP	*	*	*	-	-	-				LOCAL		
21 OCT 65	17-39-21.2	IP	*	*	U	-	-	-				LOCAL		
21 OCT 65	19-12-48	E	*	*	*	-	-	-						
21 OCT 65	20-06-33.7	IP	N	*	U	-	-	-				BLAST		
21 OCT 65	22-10-53	E	*	*	*	-	-	-				LOCAL		

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON									REMARKS
			NS	EW	Z	NS	EW	Z	NS	EW	Z	
22 OCT 65	16-03-03.0	I	*	*	D	-	-	-	-	-	-	LOCAL
22 OCT 65	17-24-51	EP	*	*	*	-	-	-	-	-	-	LOCAL
22 OCT 65	17-44-44	EP	*	*	*	-	-	-	-	-	-	LOCAL
22 OCT 65	17-54-49	EP	*	*	*	-	-	-	-	-	-	LOCAL
22 OCT 65	18-46-33	E	*	*	*	-	-	-	-	-	-	
22 OCT 65	20-13-45.3	I	*	*	U	-	-	-	-	-	-	LOCAL
22 OCT 65	20-55-53	E	*	*	*	-	-	-	-	-	-	BLAST
22 OCT 65	21-20-03	E	*	*	*	-	-	-	-	-	-	
23 OCT 65	06-10-34	E	*	*	*	-	-	-	-	-	-	
23 OCT 65	07-04-44.1	I	*	*	U	-	-	-	-	-	-	
23 OCT 65	15-31-21	E	*	*	*	-	-	-	-	-	-	LOCAL
23 OCT 65	19-49-14	EP	*	*	*	-	-	-	-	-	-	LOCAL
24 OCT 65	12-50-03	E	*	*	*	-	-	-	-	-	-	LOCAL
24 OCT 65	14-54-14.0	I	*	*	U	-	-	-	-	-	-	
24 OCT 65	18-27-02.6	IP	N	*	U	-	-	-	-	-	-	
24 OCT 65	19-47-05	EP	*	*	*	-	-	-	-	-	-	LOCAL
25 OCT 65	15-55-28	E	*	*	*	-	-	-	-	-	-	
25 OCT 65	16-07-31.4	I	*	*	U	-	-	-	-	-	-	LOCAL
25 OCT 65	20-12-23	E	*	*	*	-	-	-	-	-	-	LOCAL
25 OCT 65	21-56-51.2	I	*	*	D	-	-	-	-	-	-	
25 OCT 65	22-46-49.4	IP	S	*	U	S	E	U	-	-	-	
26 OCT 65	12-25-45.2	I	*	*	U	-	-	-	-	-	-	
26 OCT 65	20-28-34.0	I	*	*	U	-	-	-	-	-	-	LOCAL
26 OCT 65	20-44-51.7	I	N	E	U	-	-	-	-	-	-	LOCAL
27 OCT 65	14-14-47.2	I	*	*	D	-	-	-	-	-	-	LOCAL
28 OCT 65	01-57-36.2	IP	N	*	U	-	-	-	-	-	-	
28 OCT 65	06-36-08.2	IP	*	*	U	-	-	-	-	-	-	
28 OCT 65	10-03-	E	-	-	-	*	*	*	-	-	-	
28 OCT 65	21-14-07	EP	*	*	*	-	-	-	-	-	-	LOCAL
28 OCT 65	21-40-	E	-	-	-	-	-	-	*	-	-	
28 OCT 65	23-44-04.4	IP	N	*	U	-	-	-	-	-	-	
29 OCT 65	21-10-47.3	IP	N	E	U	-	-	-	-	-	-	
29 OCT 65	21-34-31.6	IP	*	*	U	-	-	-	-	-	-	BLAST
30 OCT 65	07-46-16	E	-	-	-	*	*	*	-	-	-	
30 OCT 65	18-59-36	E	*	*	*	-	-	-	-	-	-	LOCAL
31 OCT 65	13-12-04	EP	*	*	*	-	-	-	-	-	-	LOCAL
31 OCT 65	13-58-32.8	IP	*	*	D	-	-	-	-	-	-	
01 NOV 65	13-35-05.7	I	*	*	U	-	-	-	-	-	-	LOCAL
02 NOV 65	14-10-29	E	*	*	*	-	-	-	-	-	-	
02 NOV 65	15-23-01	E	*	*	*	-	-	-	-	-	-	LOCAL
02 NOV 65	21-17-33.6	IP	*	*	U	-	-	-	-	-	-	LOCAL
02 NOV 65	22-19-42.0	IP	*	*	U	-	-	-	-	-	-	LOCAL
03 NOV 65	01-47-05.3	IP	S	W	D	S	*	D	-	-	-	
03 NOV 65	08-10-	E	-	-	-	*	*	*	-	-	-	
03 NOV 65	13-32-35	E	*	*	*	-	-	-	-	-	-	LOCAL
03 NOV 65	13-59-01	E	*	*	*	-	-	-	-	-	-	LOCAL
03 NOV 65	16-40-12	E	*	*	*	-	-	-	-	-	-	LOCAL
03 NOV 65	18-32-24.5	I	*	*	D	-	-	-	-	-	-	
03 NOV 65	18-51-	E	-	-	-	*	*	*	-	-	-	
03 NOV 65	21-37-46.3	I	N	*	U	-	-	-	-	-	-	LOCAL

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DATE	GMT OF FIRST MOTION		TYPE OF ONSET	OBSERVABLE ON SHORT PER LONG PER						REMARKS
	NS	EW		Z	NS	EW	Z			
04 NOV 65	07-48-56		E	#	*	*	-	-	-	
04 NOV 65	18-33-13		E	#	*	*	-	-	-	LOCAL
04 NOV 65	21-30-00.9		I	*	*	U	-	-	-	LOCAL
04 NOV 65	22-11-00.0		I	*	*	D	-	-	-	LOCAL
05 NOV 65	15-28-17		E	*	*	*	-	-	-	
05 NOV 65	16-16-36		EP	*	*	*	-	-	-	LOCAL
05 NOV 65	20-26-54		EP	*	*	*	-	-	-	LOCAL
05 NOV 65	21-39-18.1		I	*	*	U	-	-	-	LOCAL
06 NOV 65	20-35-42		E	*	*	*	-	-	-	LOCAL
06 NOV 65	21-06-06.0		I	*	*	U	-	-	-	
07 NOV 65	01-20-27		EP	*	*	*	-	-	-	
07 NOV 65	11-55-13.5		I	N	*	U	-	-	-	
07 NOV 65	20-59-17.3		IP	*	RF	U	-	-	-	
08 NOV 65	13-08-08		E	*	*	*	-	-	-	
08 NOV 65	14-59-57		E	*	*	*	-	-	-	
08 NOV 65	22-51-42		E	*	*	*	-	-	-	LOCAL
09 NOV 65	11-49-60.0		IP	*	*	D	-	-	-	
09 NOV 65	12-17-		E	-	-	-	*	*	*	
09 NOV 65	20-11-20.3		IP	N	W	D	-	-	-	BLAST
09 NOV 65	21-50-23.0		IP	N	*	U	-	-	-	BLAST
10 NOV 65	12-57-47.5		I	*	*	U	-	-	-	
10 NOV 65	21-51-29.1		IP	RF	*	U	-	-	-	BLAST
11 NOV 65	02-32-09.8		IP	RF	*	D	-	-	-	
11 NOV 65	03-59-		E	RF	-	-	*	*	*	
11 NOV 65	20-07-29.3		IP	N	E	D	-	-	-	BLAST
11 NOV 65	21-15-19.8		IP	*	*	U	-	-	-	BLAST
11 NOV 65	21-42-31.3		IP	S	*	U	-	-	-	BLAST
12 NOV 65	00-01-		E	-	-	-	*	*	*	
12 NOV 65	05-54-		E	-	-	-	*	*	*	
12 NOV 65	09-06-09.6		IP	*	*	U	*	*	*	
12 NOV 65	22-09-58.3		IP	N	*	U	-	-	-	BLAST
13 NOV 65	04-47-09.3		IP	N	*	U	*	*	U	
13 NOV 65	18-10-49.3		IP	S	W	U	-	-	-	
13 NOV 65	22-32-05		E	*	*	*	-	-	-	BLAST
14 NOV 65	03-28-		E	-	-	-	*	*	*	
15 NOV 65	11-29-45.4		IP	S	E	D	*	*	D	
16 NOV 65	15-16-01.1		IP	*	W	U	*	*	*	
17 NOV 65	21-22-53.5		IP	*	*	U	-	-	-	LOCAL
17 NOV 65	23-14-40.5		IP	*	*	U	-	-	-	
18 NOV 65	16-02-58.7		IP	*	*	U	-	-	-	
18 NOV 65	20-22-53.9		IP	RF	*	U	-	-	-	BLAST
18 NOV 65	20-51-50.2		IP	RF	*	U	-	-	-	BLAST
18 NOV 65	20-09-42.7		IP	RF	E	U	-	-	-	
18 NOV 65	22-18-09.2		IP	RF	*	U	-	-	-	
18 NOV 65	23-34-		E	RF	-	-	*	*	*	
19 NOV 65	07-26-43.0		IP	RF	*	D	-	-	-	
19 NOV 65	08-02-		E	RF	-	-	*	*	*	
19 NOV 65	14-48-09.8		IP	RF	W	U	-	-	-	
19 NOV 65	19-21-23.3		I	RF	*	U	-	-	-	
19 NOV 65	19-50-52.5		IP	RF	E	U	-	-	-	BLAST

DATE	GMT OF FIRST MOTION		TYPE OF ONSET	OBSERVABLE ON SHORT PER LONG PER									REMARKS
	NS	EW		Z	NS	EW	Z	NS	EW	Z			
19 NOV 65	20-58-13		E	RF	*	*	-	-	-				
20 NOV 65	15-24-42		E	RF	*	*	-	-	-				
20 NOV 65	20-58-53.2		I	RF	E	U	-	-	-			BLAST	
21 NOV 65	04-11-24.1		IP	RF	*	U	-	-	-			BLAST	
21 NOV 65	10-50-53		EP	RF	*	*	*	*	*				
21 NOV 65	23-12-29		E	*	*	*	-	-	-				
22 NOV 65	14-10-54.4		IP	*	*	U	-	-	-				
22 NOV 65	20-36-13.0		IP	N	E	U	*	*	*				
23 NOV 65	03-28-31.0		IP	N	*	D	*	*	*				
23 NOV 65	18-58-07		E	*	*	*	-	-	-			BLAST	
23 NOV 65	20-28-23.5		IP	S	E	U	-	-	-			LOCAL	
24 NOV 65	12-57-31.9		IP	*	*	D	-	-	-				
24 NOV 65	21-37-56.3		IP	N	*	U	-	-	-			BLAST	
25 NOV 65	11-00-52.1		IP	N	*	U	-	-	-				
25 NOV 65	13-27-48		E	*	*	*	-	-	-				
25 NOV 65	14-49-22		E	*	*	*	-	-	-				
25 NOV 65	23-07-07.3		I	*	*	U	-	-	-			LOCAL	
26 NOV 65	01-36-57		E	*	*	*	-	-	-				
26 NOV 65	15-58-46		E	*	*	*	-	-	-			LOCAL	
26 NOV 65	16-11-29		E	*	*	*	-	-	-			LOCAL	
26 NOV 65	18-02-51		E	*	*	*	-	-	-				
27 NOV 65	00-06-19		E	*	*	*	-	-	-			LOCAL	
27 NOV 65	13-05-		E	-	-	-	*	*	*				
28 NOV 65	04-09-18		EP	*	*	*	*	*	*				
28 NOV 65	05-37-53.5		IP	*	*	U	-	-	-				
29 NOV 65	17-15-38.7		IP	*	*	D	-	-	-				
29 NOV 65	21-51-02.0		IP	N	W	D	-	-	-				
30 NOV 65	12-51-04		E	*	*	*	*	*	*				
30 NOV 65	18-12-07		E	*	*	*	-	-	-			LOCAL	
30 NOV 65	21-29-34		E	*	*	*	-	-	-			LOCAL	
30 NOV 65	21-55-04.2		IP	N	*	U	-	-	-				
01 DEC 65	15-11-29		E	*	*	*	-	-	-			LOCAL	
01 DEC 65	19-05-11		E	*	*	*	-	-	-			BLAST	
01 DEC 65	19-28-08		E	*	*	*	-	-	-			BLAST	
01 DEC 65	20-21-09		E	*	*	*	-	-	-			LOCAL	
02 DEC 65	06-09-40.2		IP	*	*	D	-	-	-				
02 DEC 65	06-39-		E	-	-	-	*	*	*				
02 DEC 65	16-10-39		E	*	*	*	-	-	-			LOCAL	
02 DEC 65	16-28-22		E	*	*	*	-	-	-			LOCAL	
02 DEC 65	19-40-06		E	*	*	*	-	-	-			LOCAL	
02 DEC 65	19-44-40.3		I	*	*	D	-	-	-			LOCAL	
02 DEC 65	20-15-56.5		I	*	*	U	-	-	-			BLAST	
02 DEC 65	21-53-48.2		I	*	*	U	-	-	-				
02 DEC 65	22-08-07		E	*	*	*	-	-	-			LOCAL	
02 DEC 65	23-30-53		E	*	*	*	-	-	-			LOCAL	
02 DEC 65	23-54-38.3		I	*	*	D	-	-	-				
03 DEC 65	15-19-10.0		IP	*	*	U	*	*	*				
03 DEC 65	17-46-19		E	*	*	*	-	-	-			LOCAL	
03 DEC 65	19-47-39.5		IP	N	W	D	-	-	-			LOCAL	
03 DEC 65	21-21-39.4		IP	S	E	U	-	-	-			BLAST	

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON						REMARKS
			NS	EW	Z	NS	EW	Z	
03 DEC 65	22-23-00.5	I	S	*	U	-	-	-	LOCAL
04 DEC 65	02-22-03.9	IP	N	E	D	-	-	-	
04 DEC 65	20-14-20.1	IP	S	E	U	-	-	-	BLAST
04 DEC 65	20-37-52	E	*	*	*	-	-	-	LOCAL
04 DEC 65	21-14-33.4	IP	N	*	U	-	-	-	BLAST
05 DEC 65	16-23-51.5	IP	*	*	U	-	-	-	LOCAL
05 DEC 65	18-25-50.4	IP	N	W	U	-	-	-	
06 DEC 65	11-41-28.6	IP	S	W	U	*	*	U	
06 DEC 65	17-44-33	E	*	*	*	-	-	-	LOCAL
06 DEC 65	18-49-09	E	*	*	*	-	-	-	
06 DEC 65	18-53-22	E	*	*	*	*	*	*	
06 DEC 65	20-29-38	E	*	*	*	-	-	-	LOCAL
06 DEC 65	22-16-51.5	IP	*	*	D	-	-	-	
07 DEC 65	16-16-40.8	I	*	*	D	-	-	-	LOCAL
07 DEC 65	18-58-06	E	*	*	*	-	-	-	LOCAL
07 DEC 65	21-35-27.3	IP	N	W	D	-	-	-	BLAST
07 DEC 65	22-38-09.5	I	*	*	D	-	-	-	
07 DEC 65	23-59-28.5	IP	*	*	D	-	-	-	
08 DEC 65	16-17-10	E	*	*	*	-	-	-	LOCAL
08 DEC 65	18-24-20.2	I	*	*	U	-	-	-	
08 DEC 65	20-09-21.3	I	N	E	U	-	-	-	BLAST
08 DEC 65	20-16-05	E	*	*	*	-	-	-	LOCAL
08 DEC 65	20-23-21	E	*	*	*	-	-	-	LOCAL
08 DEC 65	21-14-22	E	*	*	*	-	-	-	BLAST
08 DEC 65	21-33-23.6	I	*	*	U	-	-	-	BLAST
08 DEC 65	21-45-48.8	I	N	*	U	-	-	-	BLAST
09 DEC 65	06-13-55.6	IP	N	E	U	N	E	U	
09 DEC 65	14-13-39.6	I	*	*	U	-	-	-	LOCAL
09 DEC 65	17-59-50	E	*	*	*	-	-	-	LOCAL
09 DEC 65	21-02-54.8	I	*	*	D	-	-	-	LOCAL
09 DEC 65	21-38-15	E	*	*	*	-	-	-	LOCAL
10 DEC 65	15-37-34.0	I	*	*	U	-	-	-	LOCAL
10 DEC 65	16-15-06	E	*	*	*	-	-	-	LOCAL
10 DEC 65	18-18-28	E	*	*	*	-	-	-	BLAST
10 DEC 65	18-51-31.1	IP	N	W	D	-	-	-	BLAST
10 DEC 65	20-21-54.1	IP	N	*	D	-	-	-	BLAST
10 DEC 65	21-31-30	E	*	*	*	-	-	-	LOCAL
10 DEC 65	21-42-35.3	IP	N	W	D	-	-	-	BLAST
10 DEC 65	21-51-18.3	IP	S	E	U	-	-	-	BLAST
10 DEC 65	22-49-	E	-	-	-	*	*	*	
11 DEC 65	18-46-03.8	IP	S	E	U	-	-	-	BLAST
11 DEC 65	19-58-02	E	*	*	*	-	-	-	LOCAL
12 DEC 65	02-32-36	E	*	*	*	-	-	-	LOCAL
12 DEC 65	18-23-59	E	*	*	*	-	-	-	LOCAL
12 DEC 65	20-59-06	E	*	*	*	-	-	-	LOCAL
12 DEC 65	22-53-31.3	IP	*	*	D	-	-	-	
13 DEC 65	11-04-39.3	IP	N	*	U	*	*	*	
13 DEC 65	14-58-40	E	*	*	*	-	-	-	
13 DEC 65	15-32-	E	-	-	-	*	*	*	
13 DEC 65	17-50-22.3	IP	N	W	D	-	-	-	LOCAL

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON									REMARKS
			NS	EW	Z	NS	EW	Z	NS	EW	Z	
13 DEC 65	18-19-48.9	IP	N	W	U	-	-	-	-	-	-	LOCAL
13 DEC 65	20-40-03.1	I	*	*	D	-	-	-	-	-	-	LOCAL
13 DEC 65	22-22-31	E	*	*	*	-	-	-	-	-	-	LOCAL
13 DEC 65	22-35-49.8	I	*	*	D	-	-	-	-	-	-	LOCAL
14 DEC 65	14-26-34.7	IP	*	*	U	-	-	-	-	-	-	
14 DEC 65	14-48-08	E	*	*	*	-	-	-	-	-	-	
14 DEC 65	16-13-22	E	*	*	*	-	-	-	-	-	-	LOCAL
14 DEC 65	16-29-05	E	*	*	*	-	-	-	-	-	-	LOCAL
14 DEC 65	16-51-45	E	*	*	*	-	-	-	-	-	-	
14 DEC 65	17-42-44	E	*	*	*	*	*	*	*	*	*	
14 DEC 65	18-32-00.5	IP	*	*	U	-	-	-	-	-	-	
14 DEC 65	18-44-52.8	I	*	*	U	-	-	-	-	-	-	LOCAL
14 DEC 65	19-30-03	E	*	*	*	-	-	-	-	-	-	LOCAL
14 DEC 65	20-06-32	E	*	*	*	-	-	-	-	-	-	
14 DEC 65	22-23-28.4	I	*	*	D	-	-	-	-	-	-	LOCAL
15 DEC 65	12-15-56.3	IP	*	*	D	-	-	-	-	-	-	LOCAL
15 DEC 65	17-30-05	E	*	*	*	-	-	-	-	-	-	LOCAL
15 DEC 65	19-16-45.8	I	*	*	D	-	-	-	-	-	-	LOCAL
15 DEC 65	20-13-15	E	*	*	*	-	-	-	-	-	-	LOCAL
15 DEC 65	20-25-22	E	*	*	*	-	-	-	-	-	-	
15 DEC 65	20-55-14	E	*	*	*	-	-	-	-	-	-	LOCAL
15 DEC 65	21-46-23	E	*	*	*	-	-	-	-	-	-	LOCAL
15 DEC 65	23-12-01.2	IP	*	*	U	N	*	U				
16 DEC 65	13-39-04.8	I	*	*	U	-	-	-	-	-	-	LOCAL
16 DEC 65	13-57-22	E	*	*	*	-	-	-	-	-	-	
16 DEC 65	17-40-45.8	I	*	*	D	-	-	-	-	-	-	LOCAL
16 DEC 65	19-30-40	E	*	*	*	-	-	-	-	-	-	
16 DEC 65	20-14-16	E	*	*	*	-	-	-	-	-	-	BLAST
16 DEC 65	21-48-05	E	*	*	*	-	-	-	-	-	-	LOCAL
16 DEC 65	22-56-50.4	IP	N	*	D	-	-	-	-	-	-	
17 DEC 65	17-36-47	E	*	*	*	-	-	-	-	-	-	LOCAL
17 DEC 65	19-25-17	E	RF	*	*	-	-	-	-	-	-	BLAST
17 DEC 65	19-35-05	E	RF	*	*	-	-	-	-	-	-	LOCAL
17 DEC 65	19-43-07.2	I	RF	*	D	-	-	-	-	-	-	BLAST
17 DEC 65	20-44-40.6	I	RF	*	D	-	-	-	-	-	-	BLAST
17 DEC 65	21-22-11	E	RF	*	*	-	-	-	-	-	-	BLAST
17 DEC 65	21-45-26.5	I	RF	*	U	-	-	-	-	-	-	BLAST
18 DEC 65	08-58-16.3	IP	RF	*	U	-	-	-	-	-	-	
18 DEC 65	19-24-16	E	*	*	*	-	-	-	-	-	-	LOCAL
18 DEC 65	20-08-19.1	I	*	*	U	-	-	-	-	-	-	LOCAL
18 DEC 65	20-13-41	E	*	*	*	-	-	-	-	-	-	LOCAL
18 DEC 65	21-56-37	E	*	*	*	-	-	-	-	-	-	LOCAL
19 DEC 65	00-51-40	E	*	*	*	-	-	-	-	-	-	
19 DEC 65	01-07-35	E	*	*	*	-	-	-	-	-	-	
19 DEC 65	15-41-24.1	I	*	*	U	-	-	-	-	-	-	LOCAL
19 DEC 65	17-10-30.7	I	*	*	D	-	-	-	-	-	-	LOCAL
19 DEC 65	22-35-15	E	*	*	*	-	-	-	-	-	-	
20 DEC 65	00-19-45.2	IP	*	*	D	-	-	-	-	-	-	
21 DEC 65	08-47-03.4	IP	N	*	D	-	-	-	-	-	-	
22 DEC 65	00-40-26.2	IP	*	-	D	-	-	-	-	-	-	

DATE	GMT OF FIRST MOTION	TYPE OF ONSET	OBSERVABLE ON						REMARKS
			NS	EW	Z	NS	EW	Z	
22 DEC 65	01-13-24.2	I	*	-	D	-	-	-	
22 DEC 65	07-38-57.2	I	*	-	U	-	-	-	
23 DEC 65	20-55-32.1	I	*	*	U	-	-	-	
23 DEC 65	21-06-42.3	IP	*	*	U	*	*	*	
24 DEC 65	13-38-05	E	*	*	*	-	-	-	
25 DEC 65	03-16-03.5	I	*	*	D	-	-	-	LOCAL
26 DEC 65	04-12-01.0	I	*	*	D	-	-	-	
26 DEC 65	04-51-	E	-	-	-	*	*	*	
27 DEC 65	16-07-27	E	*	*	*	-	-	-	LOCAL
27 DEC 65	19-29-55	E	*	*	*	-	-	-	LOCAL
27 DEC 65	21-44-11	E	*	*	*	-	-	-	LOCAL
27 DEC 65	22-47-09.0	I	*	*	U	-	-	-	LOCAL
28 DEC 65	00-40-11	E	*	*	*	-	-	-	LOCAL
28 DEC 65	17-42-20	E	*	*	*	-	-	-	LOCAL
28 DEC 65	19-27-22	E	*	*	*	-	-	-	LOCAL
28 DEC 65	21-19-20	E	*	*	*	-	-	-	LOCAL
29 DEC 65	15-46-32.9	I	*	*	U	-	-	-	BLAST
29 DEC 65	16-51-16.3	I	*	*	D	-	-	-	BLAST
29 DEC 65	17-39-42	E	*	*	*	-	-	-	
29 DEC 65	21-57-01	E	*	*	*	-	-	-	BLAST
29 DEC 65	22-04-42.8	I	*	*	D	-	-	-	BLAST
30 DEC 65	02-16-11.7	IP	S	E	D	*	*	*	
30 DEC 65	06-25-44.4	IP	S	*	D	-	-	-	
30 DEC 65	16-42-27.3	IP	*	*	U	-	-	-	
30 DEC 65	19-20-45.0	I	*	*	D	-	-	-	BLAST
30 DEC 65	20-33-48	E	*	*	*	-	-	-	
30 DEC 65	21-16-22	E	*	*	*	-	-	-	BLAST
30 DEC 65	21-35-16.1	I	*	*	D	-	-	-	BLAST
30 DEC 65	22-43-45	E	*	*	*	-	-	-	LOCAL
31 DEC 65	14-00-29.6	I	*	*	D	-	-	-	BLAST
31 DEC 65	21-46-39	E	*	*	*	-	-	-	LOCAL

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