

UNIVERSITETET I BERGEN
JORDSKJELVSTASJONEN
(Seismological Observatory)

Seismological Bulletin
Kirkenes, Norway
1966—1967

By

HARALD GAMMELSÆTER and ANDERS SØRNES

BERGEN — NORWAY 1969

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Kirkenes (KRK), Norway.

Latitude: 69°43'27" N
 Longitude: 30°03'45" E
 Elevation: 25 meters
 Foundation: Gneiss-granite

The station is part of the World-Wide Standardized Seismograph Network. The station has a three-component (Z, NS and EW) short- and long period system as follows:

Instrument	Period sec		Magnification	Damp. ratio
	T _g	T _s		
SP Benioff	0,75	1	25.000	17 : 1
LP Sprengnether	100	15	1 500	critical

The arrival time given for each phase is the earliest onset of that phase on any component. The logarithm of the amplitude/period ratio, $\log \left(\frac{A}{T} \right)$ is given when it is possible. The amplitude A (in millicrons) is calculated from the vertical short-period component as the maximum center to peak ground motion within the first few cycles of the initial arrival of P or PKP. The predominant period T (in seconds) of the phase is read where A is observed.

The readings have been punched on cards according to the codes given by the International Seismological Centre in Edinburgh. This bulletin is a reproduction of a print-out of the cards sent us from the Centre in Edinburgh. Only capital letters are used on the print-out and pP for example is therefore printed as *PP. For 1967 onwards some columns on the punched cards have been used for remarks. Usually the remark gives the epicenter or region assumed in the interpretation. Most epicenters quoted are determinations done by U.S. Coast & Geodetic Survey, Bureau Central International Seismologique, Uppsala Seismological Institute, or they are epicenters worked out at Bergen.

KIRKENES (KRK) SEISMIC STATION BULLETIN - 1966 PAGE

1966	MTH	DY	HR	P/PKP M S	S/SKS M S	SUPP. 1 PHASE M S	SUPP. 2 PHASE M S	SUPP. 3 PHASE M S	LOG S+A/T	REMARKS
JAN	02	04	D114	58.4					2.081	RAM
JAN	05	17			41 43	SS 46 38	I 49 44			RAM
JAN	05	18	121	59.4		*PP 22 10				RAM
JAN	09	09	D123	24.7					1.7	RAM
JAN	10	01	E30	54		I 31 32				RAM
JAN	11	14	C127	07.0						RAM
JAN	13	10	C150	40.4	58 18				2.3	RAM
JAN	16	09	D121	17.5					2.0	RAM
JAN	20	16	E42	09						RAM
JAN	22	00			35 20					RAM
JAN	22	14	D136	34.5	44 14	*PP 36 45	PCP 37 23	PPP 39 46		RAM
JAN	24	07	D131	30.5	38 19	PP 33 16	I 33 45	SS 41 41		RAM
JAN	27	19	C148	49.7						RAM
JAN	28	06	E01	09	08 57	PP 02 58	SKKS 10 29			RAM
JAN	30	07			28 47					RAM
FEB	03	06	C100	56.0					2.2	RAM
FEB	03	12	D110	08.0					1.8	RAM
FEB	04	10				PP 59 54				RAM
FEB	05	02	C108	03.1	13 04	PP 09 07	PPP 09 16	SS 14 50		RAM
FEB	05	15	D122	36.6	30 49	PCP 23 15	SCS 32 09		1.7	RAM
FEB	05	16	125	16.3		I 25 50				RAM
FEB	06	04	D124	58.1						RAM
FEB	07	04	134	34.5	41 20	I 34 38	PPP 37 14	SS 44 30		RAM
FEB	07	05	138	36.9						RAM
FEB	07	23	C114	56.0	21 48	PCP 16 33	PPP 17 25	SS 24 50		RAM
FEB	09	01	E08	03						RAM
FEB	09	04	E59	38		PKS 63 04				RAM
FEB	10	14	C133	13.4	43 12	*PP 33 28	PP 36 07	I 37 20	2.3	RAM
FEB	13	05	C104	10.0		PP 05 12	PPP 05 29	PCP 07 10	2.3	RAM
FEB	13	10	D154	45.5	63 01	SCS 64 32			1.7	RAM
FEB	14	18	C104	38.1						RAM
FEB	16	03	D137	18.5		PP 38 52			2.0	RAM
FEB	16	12	D107	59.2						RAM
FEB	17	12			12 58	PS 16 04				RAM
FEB	18	00	C138	12.6					1.6	RAM
FEB	18	07	E11	40	22 02					RAM
FEB	18	19	D112	10.3		PP 14 15			1.9	RAM
FEB	19	12	C158	21.3						RAM
FEB	21	00	E41	36		PP 43 39				RAM
FEB	21	20	E35	48	37 44					RAM
FEB	22	05	E16	44	27 20	PP 21 06	PPP 23 20	PS 30 18		RAM
FEB	24	00	D126	14.4						RAM
FEB	26	00	C143	19.5		PCP 44 20			2.0	RAM
FEB	26	19				SG 47 22				RAM
FEB	27	16	D139	51.0						RAM
FEB	28	02	D111	29.1	19 02	PCP 12 14	PP 13 35			RAM
MAR	02	02	142	52.7	47 38	I 43 13	PP 43 47	I 51 09		RAM
MAR	02	12	C100	50.1						RAM
MAR	03	03	E34	58						RAM
MAR	05	00	E18	28						RAM
MAR	06	02	D119	30.0		PP 20 50				RAM
MAR	06	02	D124	27.5	30 04	I 24 35	PP 25 58	PPP 26 29		RAM
MAR	07	01	D122	27.5	27 36	PP 23 25	PPP 23 44	PCP 25 24		RAM
MAR	07	21	C138	38.6	46 16	PCP 39 45	PP 40 54	SS 49 48	1.6	RAM
MAR	08	01	E32	26		E 33 40	PKKP 43 24			RAM
MAR	08	05	D154	03.1	64 33	S 64 54	PS 66 04	PPS 66 30	2.2	RAM
MAR	10	04	D136	27.0	44 44	PCP 36 57	SCS 37 40		2.0	RAM
MAR	12	16	C142	18.1	51 24	*PP 42 29	PP 44 50	PPP 46 05	2.7	RAM
MAR	12	18	D110	33.0		PCP 10 58			1.6	RAM
MAR	15	11	124	56.8						RAM

