

Seismological Bulletin of Syowa Station, Antarctica
1974

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The present report describes the seismological data of 1974 recorded at Syowa Station. The data of the respective seismic events interpreted from the seismograms of HES and long-period seismographs are listed in chronological order.

The coordinates of seismographic vault are $69^{\circ}00'31.7''S$ in latitude and $39^{\circ}35'31.6''E$ in longitude. The elevation is 20 metres above the mean sea level.

Seismological observations up to January 1974 were carried out by M. Takahashi, member of the 14th Japanese Antarctic Research Expedition. For the succeeding period of January 1974 to January 1975, H. Kaneko and T. Shinohara, members of the 15th expedition, undertook the observations.

The seismograms were read again by Mr. R. Sakai and Miss K. Kokubun of Logistic Section, National Institute of Polar Research.

1. Date
2. Identified phase with its sharpness indication(e or i) and ground motion direction(+: Up, E, N, -: Down, W, S). The phase identified by the vertical component is denoted with Z and the phase by horizontal components is denoted with E (detected by E-W component) or N(detected by N-S component). The data from long-period seismographs are denoted with LP.
3. Arrival time in G. M. T.
4. Period of the phase in seconds.
5. Trace amplitude in millimetres.

The instrumental constants and magnification curve of HES and LP seismographs are shown in Table 1 and Fig. 1. The seismographs were operated with attenuation factor $\mu=1/4$ since March 1, 1970.

The read-out data were sent from Syowa Station to Environmental Research Laboratories throughout the wintering period.

References

- Chiba, H. and K. Kaminuma(1972): Seismological bulletin of Syowa Station, Antarctica, 1970. JARE Data Rep., 16, 66pp.
- Chiba, H. and H. Kobayashi(1973): Seismological bulletin of Syowa Station, Antarctica, 1971. JARE Data Rep., 19, 65pp.
- Chiba, H. and N. Seto(1974): Seismological bulletin of Syowa Station, Antarctica, 1972. JARE Data Rep., 21, 56pp.
- Kaminuma, K.(1970): Seismological bulletin of Syowa Station, Antarctica, 1968-1969. JARE Data Rep., 6, 38pp.
- Kaminuma, K.(1970): Seismological bulletin of Syowa Station, Antarctica, 1969. JARE Data Rep., 9, 62pp.
- Kaminuma, K. and S. Murauchi(1969): Seismological bulletin of Syowa Station, Antarctica, 1959-1962 and 1967-1968. JARE Data Rep., 4, 94pp.
- Takahashi, M.(1976): Seismological bulletin of Syowa Station, Antarctica, 1973. JARE Data Rep., 31, 44pp.

Table 1. Instrumental constants of HES and long-period seismographs.

Component	Z	N-S	E-W
HES			
T_1 (s)	1.0	1.0	1.0
S_1 (A/mm)	2.80×10^{-5}	2.03×10^{-5}	2.03×10^{-5}
R_1 (Ω)	940	920	930
Ω_1 (Ω)	820	1160	920
h_1	1.0	1.0	1.0
T_2 (s)	1.00	1.00	1.10
S_2 (A/mm)	1.30×10^{-9}	1.34×10^{-9}	1.47×10^{-9}
R_2 (Ω)	560	629	560
Ω_2 (Ω)	2031	2045	1233
h_2	1.0	1.0	1.0
LP			
T_1 (s)	20.0	20.0	20.0
S_1 (A/mm)	2380	2840	2830
R_1 (Ω)	3100	2900	3200
Ω_1 (Ω)	48	37	156
h_1	1.0	1.0	1.0
T_2 (s)	20.0	20.0	20.0
S_2 (A/mm)	4.4×10^{-10}	5.0×10^{-10}	4.0×10^{-10}
R_2 (Ω)	370	370	370
Ω_2 (Ω)	1130	1130	1130
h_2	1.0	1.0	1.0

T_1 : Period of the pendulum. T_2 : Period of the galvanometer.
 S_1 : Sensitivity of the transducer. S_2 : Sensitivity of the galvanometer.
 R_1 : Resistance of the pendulum coil. R_2 : Resistance of the galvanometer coil.
 Ω_1 : External damping resistance of the transducer.
 Ω_2 : External damping resistance of the galvanometer.
 h_1 : Damping constant of the pendulum. h_2 : Damping constant of the galvanometer.

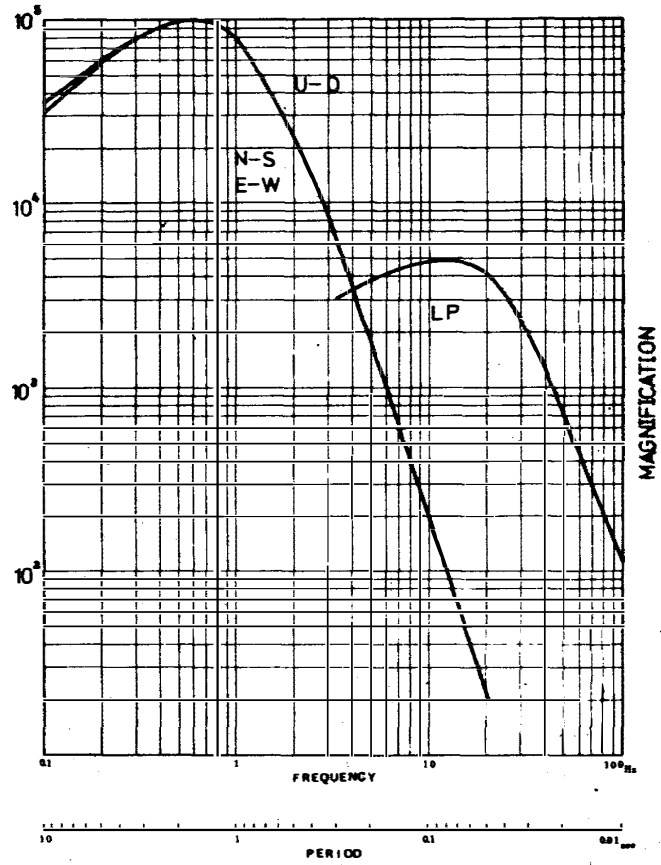


Fig. 1. Magnification curves of HES and long-period seismographs.

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
JAN 02	+IPE	10	54	04.0		
	-IPN	10	54	04.5		
	+ISE	11	03	35.1	3.1	97.0
	-ISN	11	03	35.1	3.8	68.0
	ESZ	11	03	36.0	2.0	21.0
	LP+IPF	10	54	05	13.0	23.0
	LP+IPN	10	54	05	13.0	18.0
	LP-IPZ	10	54	05	13.0	58.0
	LP+ESF	11	03	37	13.0	130.0
	LP-FSN	11	03	36	12.0	98.0
	LP-ESZ	11	03	41	17.0	32.0
	+IPF	13	45	24.6	1.0	4.0
	+IPN	13	45	24.6	0.8	2.6
	-IPZ	13	45	24.6	0.9	4.8
	FXE	15	09	06.8	0.9	4.8
	EXN	15	09	10.8	1.3	2.0
	EXZ	15	09	14.8	1.2	1.5
	FPE	22	27	15.2	0.8	2.6
	EPZ	22	27	14.8	1.0	1.4
	FXN	22	27	18.4	0.9	1.8
03	FPE	11	28	15.1	1.3	2.0
	FPN	11	28	14.8	1.3	1.0
	FPZ	11	28	15.0	1.9	1.8
	EPZ	11	56	04.8	0.9	1.3
	+IPF	22	12	03.4	1.0	4.0
	FPN	22	12	04.3	0.5	3.6
05	+IPZ	22	12	03.5	1.0	3.8
	+IPE	08	46	28.0	1.3	6.8
	+IPN	08	46	28.2	0.9	4.5
	-IPZ	08	46	28.0	1.4	11.0
	ESF	08	46	45.3	2.0	7.0
	ESN	08	46	49.0	1.3	5.0
	ESZ	08	46	51.6	2.2	11.8
06	FSE	15	24	14.3	0.8	1.5
	FPN	15	24	14.3	1.0	1.5
	EPZ	15	24	14.4	0.8	1.0
	FPE	17	52	25.0	1.6	2.5
	FPN	17	52	25.0	1.3	1.0
	EPZ	17	52	24.3	1.6	2.5
07	+IPE	16	47	10.7	1.5	35.0

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
JAN 07	+IPN	16	47	10.7	1.4	21.0
	-IPZ	16	47	10.7	1.3	18.0
08	+IPE	21	53	31.1	1.3	6.0
	+IPN	21	53	31.2	1.3	8.6
	+IPZ	21	53	31.3	1.1	8.5
	LP FPF	21	53	35	7.0	1.0
	LP FPN	21	53	33	6.0	2.5
	LP FPZ	21	53	36	7.0	2.0
	LP ESF	21	58	35	12.0	5.5
	LP ESN	21	58	36	14.0	7.5
09	-IPF	05	05	05.3	1.3	15.0
	+IPN	05	05	05.9	0.9	9.5
10	+IPZ	05	05	05.4	1.7	10.0
	+IPF	09	04	05.5	1.4	31.0
	-IPN	09	04	05.6	1.3	22.0
	+IPZ	09	04	05.5	2.1	34.0
	LP FPF	09	04	06	6.0	2.0
	LP FPN	09	04	07	11.0	2.0
	LP+IPZ	09	04	06	12.0	10.0
	LP ESF	09	14	24	12.0	18.0
	LP ESN	09	14	30	11.0	11.5
	-IPF	10	13	44.3	1.6	9.0
	-IPN	10	13	44.3	1.5	5.0
	+IPZ	10	13	44.5	1.7	9.0
11	FPE	05	28	41.8	0.9	9.0
	FPN	05	28	42.0	0.9	6.5
	FPZ	05	28	41.8	1.0	11.0
	FPE	05	49	07.4	1.2	8.0
	FPN	05	49	06.8	1.0	5.2
	FPZ	05	49	05.8	1.9	5.0
	LP FPE	05	49	29	8.0	1.0
	LP FPZ	05	49	27	9.0	4.0
	LP ESF	06	00	11	12.0	7.0
	LP ESN	06	00	19	15.0	4.0
13	FPE	13	33	12.5	1.6	2.5
	FPN	13	33	12.8	1.3	1.4
	FPZ	13	33	12.2	1.3	2.0
14	FPE	20	51	13.4	1.1	1.5
	FPN	20	51	12.4	1.0	1.2
	FPZ	20	51	13.2	1.0	1.8

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
JAN 15	EPE	08	43	50.5	0.8	3.8	
	EPN	08	43	50.2	0.9	3.0	
	FPZ	08	43	49.5	0.8	4.5	
	EPE	19	44	08.9	1.4	6.0	
	EPZ	19	44	08.7	2.0	1.3	
17	EPE	09	25	20.7	1.2	4.5	
	EPN	09	25	19.9	0.9	5.0	
	+IPZ	09	25	20.5	1.1	5.0	
	EPE	12	34	00.2	1.3	5.0	
18	EPZ	12	34	00.2	1.0	6.2	
	EPN	07	00	30.7	1.4	3.1	
	EPZ	07	00	31.0	3.4	3.8	
	LP EPE	07	00	32	6.0	1.0	
	LP EPZ	07	00	32	7.0	2.0	
	LP ESF	07	10	03	10.0	1.0	
	LP ESN	07	10	05	6.0	2.0	
20	EPE	02	20	23.6	1.4	2.3	
	EPZ	02	20	22.9	1.7	2.5	
	EPE	04	55	28.6	1.0	12.0	
	EPN	04	55	29.6	0.7	14.0	
	EPZ	04	55	29.6	0.8	6.5	
	EPE	05	26	05.9	1.9	4.8	
	EPZ	05	26	06.5	2.0	5.5	
	EPE	21	04	23.4	1.0	3.5	
	EPZ	21	04	23.4	1.2	1.4	
	EPE	21	12	50.6			
21	EPN	21	12	50.4	1.0	1.0	
	EPZ	21	12	50.6	1.5	2.0	
	EPE	21	32	38.7	1.0	12.0	
	EPN	21	32	39.1	0.9	7.8	
	EPZ	21	32	38.6	0.8	3.8	
	22	EPN	08	15	29.4	1.4	5.0
		FPZ	08	15	28.4	1.3	2.5
		EPE	13	48	09.8	1.2	6.0
		EPZ	13	48	09.6	1.3	4.0
	23	FPE	20	10	19.2	0.9	3.5
EPN		20	10	19.0	0.8	2.0	
EPE		14	02	53.4	1.2	4.6	
EPN		14	02	53.3	1.0	4.0	
+IPN		21	54	31.8	0.5	3.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
JAN 23	-IPZ	21	54	31.9	0.4	5.0
	EPN	05	24	20.5	0.2	6.0
24	FPZ	05	24	19.5	0.3	4.8
	+IPE	19	09	22.2	1.0	28.0
	-IPN	19	09	22.3	0.8	12.0
29	+IPZ	19	09	22.7	1.2	21.5
	FPE	10	05	55.9	1.5	22.0
30	EPN	10	05	56.1	1.0	18.0
	-IPZ	10	05	54.9	1.3	19.5
	LP FPE	10	06	02	8.0	3.5
	LP EPZ	10	06	02	19.0	11.0
	LP ESF	10	16	40	14.0	7.0
	LP FSN	10	16	34	8.0	8.5
	LP-LRZ	21	04	25.8	25.8	3.5
	-EPF	23	43	18.3	2.4	1.8
	+EPN	23	43	17.8	1.7	2.3
	-FPZ	23	43	17.2	1.9	3.6
31	LP-IPZ	23	43	18.8	16.9	10.0
	LP+FXN	23	43	37.5		
	LP-ISF	23	53	49.8	9.4	9.0
	LP-ISZ	23	53	49.8	18.8	9.0
	LP LRE	00	16	10.2	35.6	11.0
	+FPF	03	25	48.4	2.3	8.0
	+EPN	03	25	48.2	1.2	3.0
	-FPZ	03	25	48.0	1.1	5.0
	LP+EPZ	03	25	50.6		
	LP-ISE	03	36	26.3	14.1	15.0
FEB 01	LP-ESZ	03	36	22.5	15.0	4.0
	LP-LRZ	03	57	13.1	25.3	28.5
	+EPE	06	46	22.0	2.0	4.5
	+EPN	06	46	20.8	1.2	1.5
	+FPZ	06	46	22.5	1.8	2.0
	+FPE	09	18	30.0	2.2	3.3
	-EPN	09	18	30.2	1.0	1.5
	+EPZ	09	18	29.9	2.0	1.5
	LP+LRZ	16	12	50.7	20.6	3.5
	+FPE	20	18	02.1	1.0	1.2
22	+IPN	20	18	02.1	0.9	1.5
	+IPZ	20	18	02.2	0.6	1.0
	+EPF	22	16	30.1	0.6	1.0

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
FEB 01	+FPN	22	16	29.1	0.6	0.8
	-EPZ	22	16	30.1	1.0	1.0
02	+FPE	04	14	09.6	0.6	1.5
	+EPN	04	14	08.1	1.1	1.2
	-EPZ	04	14	08.1	1.6	1.0
	-FXE	08	10	47.9	1.3	1.5
	+FXN	08	10	48.1	1.0	1.4
	-FXZ	08	10	47.4	1.5	1.1
	+FPE	08	39	46.6	2.0	3.0
	-EPN	08	39	46.6	0.8	2.3
	+EPZ	08	39	46.6	1.1	1.8
	+EXF	10	43	16.1	0.3	0.4
	+EXN	10	43	15.9	0.5	0.7
	+EXZ	10	43	16.6	0.2	0.2
	+FPE	11	57	37.6	2.0	2.2
	LP+EPZ	11	57	39.5	5.6	3.5
	LP-EXZ	11	58	00.1	11.3	5.0
	LP+FSZ	12	08	41.4	9.4	4.0
	LP-FXZ	12	30	21.6	26.2	5.0
	+FPE	12	39	06.6	2.0	1.0
	+FPN	12	39	06.1	0.7	0.2
	-FPZ	12	39	09.1	1.2	0.5
	+FPN	12	47	02.1	0.2	0.6
	+EPZ	12	47	02.5	1.0	0.5
	+FPE	14	38	18.8	0.8	0.6
	+EPN	14	38	18.1	0.2	0.3
	+EPZ	14	38	18.1	0.2	0.2
	LP-FPPZ	16	21	48.0		
	LP-PPPZ	16	24	13.1	24.4	5.0
	+FPE	17	39	17.6	1.0	1.5
	-LPS	17	39	17.1	0.7	0.8
	+EPZ	17	39	17.4	0.7	1.0
	+FPE	20	07	52.1	1.7	2.0
	+EPN	20	07	52.2	1.6	1.3
	+EPZ	20	07	52.1	1.4	1.3
	LP-LRZ	20	31	50.6	28.1	3.5
	LP+FXZ	20	34	06.6	20.6	10.0
	+IPF	21	01	20.1	0.8	1.5
	+FPZ	21	01	20.1	0.5	0.5
05	+FPE	14	39	30.5	0.9	1.1

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
FEB 03	-FPN	14	39	30.3	1.0	1.5
	+FPZ	14	39	30.1	1.0	0.5
	+FPE	15	00	20.1	0.8	1.0
	+FPZ	15	00	20.1	1.0	0.2
	+IPF	18	58	29.2	1.1	1.5
	+FPN	18	58	31.4	1.0	1.0
	-IPZ	18	58	30.0	1.2	1.2
	+IPF	20	15	08.2	0.3	1.5
	+IPN	20	15	08.2	0.5	2.0
	+IPZ	20	15	08.2	0.3	1.0
04	+FPE	00	30	01.3	1.0	1.5
	+FPN	00	30	03.8	0.5	0.5
	+EPZ	00	30	03.2	0.8	0.2
	+FPE	00	48	45.2	0.3	0.4
	-FPN	00	48	46.1	0.5	1.4
	+EPZ	00	48	45.7	0.5	0.2
	-FPN	06	12	55.2	1.0	0.9
	+EPZ	06	12	55.3	0.4	1.0
	+EXF	06	12	58.2	1.0	1.0
	+FPE	07	45	32.8	1.0	2.5
	+FPN	07	45	33.2	1.2	2.0
	+EPZ	07	45	32.2	1.2	0.5
	LP-FXZ	07	48	37.5	20.6	4.0
	-EPE	09	21	09.2	1.2	3.5
	+FPN	09	21	08.4	0.9	1.2
	+FPZ	09	21	08.2	0.9	1.0
	LP-LRZ	10	50	31.9	18.8	4.0
	+EXE	11	39	51.0	0.6	1.0
	+EXN	11	39	50.8	0.5	0.5
	+FXZ	11	39	52.8	0.2	0.5
	+IPF	20	23	50.2	1.4	3.5
	+FPN	20	23	50.2	1.0	1.0
	+IPZ	20	23	50.0	2.0	3.5
	LP-IPZ	20	23	53.6	11.3	4.0
	LP IPPZ	20	27	41.1	15.0	4.0
	LP FSE	20	34	26.0	12.0	6.5
	LP FPSZ	20	36	03.0	18.8	9.0
	LP FLGZ	20	59	09.0	27.0	11.0
05	+FPN	02	04	55.4	0.4	0.5
	-FPZ	02	04	55.3	1.0	0.7

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s					h	m	s		
FEB 06	+FXZ	10	22	44.2	1.0	0.2	FEB 09	+FPZ	07	26	57.0	0.7	0.5
	+FXN	10	22	46.4	1.0	0.6		+FPE	14	00	35.2	0.6	1.6
	FXZ	10	22	45.2			+FPN	14	00	34.2	0.6	1.5	
	-FPN	04	24	33.2	1.0	1.0	-FPZ	14	00	34.5	0.5	0.5	
	+FPZ	04	24	33.2	1.3	0.7	+FSI	14	02	59.2	1.0	2.0	
	+FXE	04	24	56.0	1.3	2.5	+FSN	14	02	59.2	1.0	2.0	
	+FXN	04	24	56.5	1.1	1.8	-FSZ	14	02	59.9	1.0	0.5	
	+FXZ	04	24	51.7	1.0	1.4	11	LP+LRZ	02	18	59.6	18.8	3.5
	LP-IPKPZ	04	24	11.2	15.0	7.5		+FPE	12	09	06.3	1.2	2.5
	LP-ISZ	04	34	18.8	11.3	6.0	-FPN	12	09	07.7	1.0	1.5	
	LP-LRF	04	35	20.6	11.3	4.5	-FPZ	12	09	06.4	1.0	0.9	
	-FPE	05	12	19.4	0.7	1.5	+IPE	12	15	28.2	0.3	0.6	
	+EPZ	05	12	19.7	1.0	1.0	-IPN	12	15	28.2	0.3	1.0	
	+FPE	07	33	42.2	0.8	2.2	+IPZ	12	15	29.2	0.2	1.5	
	+EPN	07	33	41.0	1.0	1.5	+IPE	13	34	27.7	0.3	1.0	
	+EPZ	07	33	41.2	0.8	0.2	-IPN	13	34	28.2	0.2	1.5	
	+EPE	07	35	18.7	0.5	0.6	+IPZ	13	34	28.1	0.2	0.8	
	+EPN	07	35	18.2	0.6	1.0	+IPE	14	21	38.5	0.5	1.5	
	+FPZ	07	35	18.2	0.5	0.5	-IPN	14	21	30.0	0.2	2.5	
+EPF	09	00	51.3	0.7	1.0	+IPZ	14	21	39.0	0.3	1.0		
-FPN	09	00	50.9	0.5	0.6	-FPE	16	06	16.2	0.9	1.0		
+EPZ	09	00	51.5	0.3	0.2	-IPN	16	06	16.2	0.7	2.0		
07	+FPE	13	32	08.7	0.5	0.5	-FPZ	16	06	16.2	0.8	1.2	
	+IPN	13	32	09.2	0.8	1.5	-IPE	18	05	33.1	0.4	0.5	
	+EPZ	13	32	09.1	0.5	0.5	+IPN	18	05	33.1	0.5	0.8	
	-EPE	23	10	17.2	0.6	0.6	-IPZ	18	05	33.7	0.4	1.5	
	+EPN	23	10	17.1	1.0	1.2	12	-FPE	10	05	50.1	1.0	2.5
	-EPZ	23	10	18.2	1.0	1.0		-FPN	10	05	50.1	0.8	2.0
	08	+IPE	13	25	20.5	0.5	1.0	+FPZ	10	05	51.1	1.0	1.8
+IPN		13	25	20.7	0.4	0.8	13	+EPE	05	00	45.8	1.0	4.0
+EPZ		13	25	23.7	2.0	1.5		+EPN	05	00	45.0	1.0	2.5
+FPE		14	41	30.2	1.1	1.0	-FPZ	05	00	46.0	0.6	1.0	
-EPN		14	41	30.9	1.2	1.3	+EPE	14	58	20.5	0.6	1.0	
-FPZ		14	41	31.4	0.7	1.5	+FPN	14	58	21.5	1.0	0.7	
+FPE		20	50	38.2	0.6	1.4	+FPZ	14	58	21.5	1.0	1.5	
+EPN		20	50	37.9	0.8	1.1	+FXE	15	01	26.0	0.9	1.2	
+EPZ		20	50	38.2	0.5	0.5	+FXN	15	01	25.0	1.0	2.0	
09		LP-LRZ	00	05	52.7	23.4	13.0	+FXZ	15	01	25.0	1.0	1.0
	+FPE	07	26	55.7	0.5	0.5	+FXE	15	10	20.0	0.3	0.9	
	+FPN	07	26	56.9	0.8	1.2	+FXN	15	10	20.0	0.5	1.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
FEB 13	-FXZ	15	10	21.8	0.3	1.0	
	+EXE	15	11	27.6	0.7	1.5	
	-EXN	15	11	27.4	1.0	2.4	
	+EXZ	15	11	27.5	0.9	1.0	
	+EPE	15	44	02.5	0.8	1.5	
	+EPN	15	44	02.6	0.7	0.6	
	+EPZ	15	44	03.5	0.9	0.6	
	+IPE	23	50	42.3	1.0	8.5	
	+IPN	23	50	42.1	0.8	1.5	
	+IPZ	23	50	42.0	1.0	8.0	
	14	+ISF	00	01	12.0	1.5	5.0
		+ISN	00	01	11.9	1.9	9.0
		+ISZ	00	01	12.5	1.2	1.5
+IPE		06	31	14.6	1.2	1.6	
+EPN		06	31	14.8	0.9	1.0	
+IPZ		06	31	15.1	1.2	1.5	
+IPF		06	50	24.4	1.8	8.0	
+EPN		06	50	24.5	1.4	2.0	
+IPZ		06	50	24.4	1.5	6.5	
+EPE		16	02	58.1	0.8	0.5	
+EPN		16	02	58.1	1.0	1.5	
-EPZ		16	02	59.1	0.6	0.5	
15		+EPE	01	09	03.4	0.6	0.8
	+EPN	01	09	02.7	0.5	1.0	
	+EPZ	01	09	03.4	0.6	0.3	
	+EPE	01	47	10.4	0.5	3.5	
	+IPN	01	47	08.9	1.0	1.5	
	+EPZ	01	47	09.5	1.0	0.6	
	-EPF	04	46	09.5	1.0	1.8	
	+EPN	04	46	09.1	1.1	1.5	
	+EPZ	04	46	10.9	0.7	0.5	
	-EPF	08	18	37.3	1.0	1.5	
	+EPN	08	18	37.6	0.6	1.3	
	+EPZ	08	18	37.8	1.0	0.2	
	+IPE	08	34	58.8	1.0	1.5	
-EPN	08	34	58.8	0.8	0.8		
-EPZ	08	34	58.3	0.5	0.5		
-EPF	09	46	20.8	0.3	0.3		
+IPZ	09	46	20.5	0.7	1.0		
+EPZ	09	46	20.8	0.5	0.4		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
FEB 15	-EPE	14	48	23.8	1.0	2.0	
	+EPN	14	48	22.9	1.0	1.0	
16	+FPZ	14	48	24.3	1.0	0.3	
	+EPE	00	39	04.8	0.5	0.5	
	+EPN	00	39	04.8	1.0	0.6	
	+EPZ	00	39	04.7	0.4	0.5	
	+IPE	01	38	44.8	1.0	4.0	
	+IPN	01	38	44.8	1.0	3.0	
	-IPZ	01	38	44.8	0.6	2.6	
	+EPE	02	04	26.3	0.2	1.2	
	+EPN	02	04	26.4	0.2	1.3	
	+FPZ	02	04	27.0	0.2	0.5	
	LP-ISZ	02	39	56.4	18.2	6.0	
	+IPE	05	50	48.6	1.5	5.5	
	-IPN	05	50	48.8	1.1	4.5	
+IPZ	05	50	48.6	1.3	5.5		
+EPF	06	56	45.9	0.3	0.4		
+EPN	06	56	45.0	0.4	0.6		
+FPZ	06	56	45.8	0.2	0.2		
+EPE	20	05	29.8	0.5	0.5		
-EPN	20	05	30.4	0.4	0.6		
-EPZ	20	05	29.7	1.2	1.5		
17	+EPE	03	28	59.4	1.0	1.5	
	+IPN	03	28	58.1	1.0	2.3	
	+IPZ	03	28	57.7	1.1	2.0	
	LP+LRZ	03	49	40.6	21.6	4.0	
	-EPE	15	06	22.7	1.5	6.5	
	+EPN	15	06	23.2	1.2	1.6	
	-EPZ	15	06	23.7	1.0	0.7	
	17-18 EXTREME MICROSEISMIC ACTIVITY						
	18	+IPF	18	11	49.5	0.9	1.3
		+IPN	18	11	49.1	1.2	3.5
	19	-IPZ	18	11	50.5	0.9	1.5
		-EPE	01	36	00.6	1.0	2.0
		+EPN	01	36	01.6	0.7	1.5
+EPZ		01	36	00.6	1.3	2.5	
LP-ESF		03	55	16.9			
LP-EPPSZ	03	57	19.7	16.9	2.0		
-EPF	04	35	15.6	1.0	1.6		
-EPN	04	35	15.6	0.6	1.5		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
FEB 19	-EXZ	04	35	15.9	0.5	0.5	
	-EPE	09	05	21.5	1.2	3.0	
	+FPN	09	05	20.7	0.3	1.6	
	+EPZ	09	05	21.4	0.4	0.3	
	-EPE	11	46	18.6	0.3	0.6	
	+EPN	11	46	18.5	0.6	1.4	
	-EPZ	11	46	18.8	1.0	1.0	
	-EPE	23	50	57.5	0.9	2.5	
	+EPN	23	50	56.5	0.8	0.7	
	-EPZ	23	50	57.5	1.0	1.1	
	20	+IPE	03	13	43.9	0.9	1.9
		+IPN	03	13	43.6	0.9	4.5
		-IPZ	03	13	43.8	1.0	9.0
		+EPE	19	19	11.4	0.5	1.5
		+EPN	19	19	11.9	1.1	1.1
		+EXZ	19	19	15.9	1.0	0.5
		-EPE	23	20	22.6	1.0	0.6
		+EPN	23	20	23.2	0.7	1.0
		+EPZ	23	20	22.8	0.4	0.4
+IPE		04	03	55.4	0.1	1.5	
21	+IPN	04	03	56.0	0.5	2.2	
	+EPZ	04	03	55.6	0.6	0.5	
	+EPE	14	37	39.4	1.0	3.5	
	+EPN	14	37	40.2	0.4	1.4	
	+EPZ	14	37	39.4	0.4	1.5	
	+EPE	23	55	05.8	1.7	4.5	
	+EPN	23	55	06.5	0.8	1.0	
	+IPZ	23	55	07.3	1.0	4.5	
	+ESN	23	58	07.8	1.6	3.0	
	+ESZ	23	58	06.0	1.7	6.0	
	22	+FPE	07	50	42.3	0.6	3.0
		+EPN	07	50	42.2	0.6	2.5
		+EPZ	07	50	42.3	0.8	1.0
+EPN		11	02	13.8	0.5	1.5	
-EPZ		11	02	13.3	0.5	0.5	
22-24	NO RECORD						
24	-IPE	17	14	13.6	0.2	1.5	
	-IPN	17	14	13.6	0.2	1.5	
	-IPZ	17	14	13.7	0.2	0.5	
25	+EPE	08	03	03.8	2.2	3.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
FEB 25	+IPN	08	03	03.6	1.6	2.0
	+EPZ	08	03	03.3	1.4	1.1
26	-IPN	12	13	21.3	1.0	1.0
	-EPZ	12	13	22.5	1.2	0.9
	+FPE	01	44	56.8	0.6	2.5
	-EPN	01	44	57.0	0.6	1.0
	+EPZ	01	44	56.3	0.3	0.6
	+EPE	02	13	10.9	0.8	1.7
	+EPN	02	13	11.3	0.6	1.0
	+EPZ	02	13	11.4	1.0	1.0
	-IPE	03	58	45.3	1.2	3.5
	-IPN	03	58	45.3	1.5	3.0
	+EPZ	03	58	44.8	1.3	1.1
	-IPE	06	43	27.3	1.0	3.0
	+IPN	06	43	27.3	0.9	1.1
	+IPZ	06	43	27.0	1.3	4.5
27	+EPE	07	32	02.4	1.0	0.9
	+EPN	07	32	02.3	0.7	1.5
	-EPZ	07	32	02.8	0.9	0.5
	-EXE	11	10	06.5	1.2	3.5
	+EXN	11	10	05.5	1.0	1.2
	-EXZ	11	10	06.0	1.0	1.0
	+IPE	04	15	26.3	1.0	3.0
	+IPN	04	15	27.3	1.0	2.1
	+IPZ	04	15	26.9	1.0	1.0
	-IPE	17	19	39.3	1.1	1.5
	+IPN	17	19	39.3	1.2	6.0
	+IPZ	17	19	39.2	1.1	7.5
	-IPE	18	13	57.1	1.1	6.0
28	+IPN	18	13	57.3	1.0	3.5
	-IPZ	18	13	57.0	1.2	9.0
	+EXE	22	16	05.5	0.6	1.5
	+EXN	22	16	06.4	0.9	0.9
	-EXZ	22	16	06.3	1.0	1.0
	+EPE	02	11	13.8	1.0	0.8
	+EPN	02	11	13.3	1.0	1.3
	-EPZ	02	11	14.0	0.6	1.0
	+EPE	03	29	26.3	1.4	3.0
	-EPN	03	29	26.3	1.2	1.5
	+EPZ	03	29	26.1	1.0	1.0

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
FEB 28	+IPE	03	53	31.8	1.0	2.5
	+IPN	03	53	31.8	1.2	1.5
	-EPZ	03	53	33.1	0.8	0.6
	+EPE	14	10	27.7	1.6	1.0
	+IPN	14	10	26.8	0.9	0.5
	+IPZ	14	10	26.5	0.8	0.5
	+IXE	14	10	29.3	1.0	2.2
	-IXN	14	10	29.4	1.1	3.4
	+IXZ	14	10	29.3	1.0	3.0
	+ISE	14	16	30.3	1.5	3.5
	-ISN	14	16	30.3	1.0	1.7
	+ISZ	14	16	30.3	1.5	3.6
	LP-LRE	14	34	15.8	27.7	6.0
	-FXE	18	01	22.4	0.5	0.5
	+FXN	18	01	22.0	0.5	1.0
	+FXZ	18	01	23.2	0.6	0.5
	LP+FXZ	20	48	43.1	13.1	4.0
MAR 01	-EXE	06	15	28.6	0.8	1.1
	-FXN	06	15	30.3	0.4	1.8
	+FXZ	06	15	30.2	0.4	0.6
01-02	NO RECORD					
02	LP+EPZ	05	26	51.9	20.0	5.0
03	+FPE	13	02	58.1	1.0	3.5
	+EPN	13	02	57.1	1.0	1.0
	+EPZ	13	02	57.1	1.0	1.5
	LP-LRZ	13	31	55.4	20.3	4.0
	+FPE	14	35	08.5	1.6	3.0
	+EPN	14	35	09.0	1.0	3.0
	+EPZ	14	35	08.6	1.0	2.5
	LP-IPZ	14	35	08.5	10.3	8.0
	LP+ISF	14	45	39.7	11.1	9.0
	LP-LRF	15	08	39.1	17.1	6.0
	LP-LRZ	15	08	39.1	17.1	16.0
03-04	EXTREME MICROSEISMIC ACTIVITY					
04	+EPE	05	09	12.9	1.0	5.5
	+EPN	05	09	13.0	1.0	3.5
	-EPZ	05	09	13.2	0.8	1.1
	-IPE	12	50	44.1	1.1	9.5
	-IPN	12	50	43.1	0.6	1.5
	+IPZ	12	50	43.1	1.0	2.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
MAR 05	+EPE	11	03	35.1	1.2	1.5
	+EPN	11	03	34.6	0.5	0.6
	+EPZ	11	03	34.1	1.0	0.5
06	LP-LRZ	02	47	07.2	17.3	4.0
	-IPE	18	17	55.7	0.8	2.0
	+EPN	18	17	55.8	0.9	1.5
	+FPZ	18	17	56.2	0.8	1.0
	+EPF	19	41	40.0	2.0	7.0
	+FPN	19	41	41.0	0.9	1.4
	+IPZ	19	41	40.0	2.0	6.5
	LP+FPZ	19	41	45.9	6.6	2.5
	LP-FSF	19	51	57.1	10.2	6.5
	LP-FSZ	19	51	57.1	17.4	6.0
	LP+LRZ	20	08	13.5	18.2	5.0
08	+FXF	02	11	41.0	0.8	1.0
	-EXN	02	11	40.1	0.4	1.5
	+EXZ	02	11	41.1	0.5	0.2
	-FPF	08	13	32.5	0.8	0.6
	+EPN	08	13	31.0	1.0	0.8
	-EPZ	08	13	32.9	0.7	0.3
	+EPE	18	44	07.3	0.2	0.2
	+EPN	18	44	07.0	0.5	0.5
	EPZ	18	44	08.8		
	-EPE	23	00	39.0	1.3	2.0
	+FPN	23	00	39.5	1.0	1.0
	-FPZ	23	00	39.5	1.0	1.0
09	+IPE	00	25	31.0	0.7	1.0
	-IPN	00	25	30.8	0.6	1.0
	-FPZ	00	25	30.8	0.3	0.2
	+EPF	01	12	47.5	0.7	0.6
	+EPN	01	12	47.5	1.0	1.0
	EPZ	01	12	47.5		
	+FPE	05	17	40.0	0.7	0.5
	-EPN	05	17	40.4	1.1	1.2
	+FPZ	05	17	41.0	0.7	0.5
	+EPE	06	10	09.0	0.9	0.6
	-FPN	06	10	09.8	0.6	0.5
	+FPZ	06	10	09.5	1.0	0.7
	+EPE	15	55	11.5	0.8	0.5
	+FPN	15	55	11.5	0.8	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
MAR 09	+IPF	17	53	25.6	1.5	3.3	
	-IPN	17	53	25.5	1.4	2.5	
	+IPZ	17	53	25.6	2.0	3.8	
	+EPE	20	27	31.0	1.3	1.0	
	+EPN	20	27	30.0	1.2	0.8	
	-EPZ	20	27	30.3	1.0	0.3	
	+EXE	20	27	34.0	2.0	4.0	
	+EXN	20	27	40.0	0.8	1.0	
	+EXZ	20	27	34.5	1.6	3.0	
	+ESE	20	31	13.0	1.0	1.0	
	+ESN	20	31	11.0	1.0	1.0	
	+FSZ	20	31	11.0	1.0	1.0	
	LP-EPZ	20	27	35.9	14.8	6.0	
	+EPE	23	47	23.1	0.3	0.5	
	+IPN	23	47	23.9	0.6	1.0	
	10	-EPE	03	32	59.9	0.8	1.0
		-EPN	03	32	59.9	0.8	1.2
		-EPZ	03	33	00.5	0.6	0.5
		-EPE	05	00	10.9	1.3	3.0
		-EPN	05	00	09.7	0.8	1.0
-EPZ		05	00	10.7	0.6	0.2	
+IPE		05	40	34.7	0.6	0.8	
+IPN		05	40	34.7	0.8	0.6	
-IPZ		05	40	35.0	1.0	1.4	
+EXN		05	40	37.7	1.0	1.6	
11	+IPE	11	56	40.8	0.7	1.0	
	+IPN	11	56	41.5	0.5	1.0	
	+IPZ	11	56	40.7	0.5	1.5	
	+EXE	15	17	22.8	1.0	4.0	
	+EXN	15	17	22.8	0.8	1.5	
	+EXZ	15	17	23.6	1.0	1.0	
	-EXE	15	23	29.3	1.0	1.2	
	+EXN	15	23	28.6	1.0	1.5	
	+EXZ	15	23	30.4	0.6	0.4	
	12	+EPE	03	41	37.5	1.0	1.0
+IPN		03	41	37.5	0.3	1.5	
+IPZ		03	41	36.5	1.0	1.0	
-IPE		07	11	44.0	1.5	4.0	
+IPN		07	11	43.5	1.0	3.0	
-IPZ		07	11	43.3	0.8	1.0	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
MAR 13	+FPF	08	43	03.0	0.6	1.0	
	+EPN	08	43	03.5	0.4	1.0	
	+EPZ	08	43	02.7	0.8	1.5	
	+EPE	22	14	44.5	0.9	1.5	
	-EPN	22	14	44.9	1.0	1.7	
	-EPZ	22	14	45.1	0.5	0.5	
	+FPE	23	26	30.1	0.8	3.0	
	+IPN	23	26	30.0	0.8	1.8	
	-FPZ	23	26	30.5	0.5	0.6	
	14	+EPE	10	25	01.7	1.3	3.0
+EPN		10	25	00.0	0.6	1.3	
-EPZ		10	25	01.1	1.2	2.5	
-IPF		21	11	51.1	1.8	5.0	
+IPN		21	11	50.9	2.0	3.0	
+IPZ		21	11	51.0	2.0	7.5	
15		-EXE	05	26	20.3	0.7	2.0
		-EXN	05	26	20.1	1.2	2.5
		+EPZ	05	26	20.6	0.8	0.6
		+IPE	05	28	18.0	1.2	8.0
	+IPN	05	28	17.6	2.0	4.0	
	+IPZ	05	28	17.7	1.0	3.0	
	+ISE	05	31	15.7	1.0	2.0	
	+ISN	05	31	15.1	0.8	1.5	
	+ISZ	05	31	16.7	1.1	1.6	
	+EPE	05	45	31.9	0.8	2.0	
16	+EPN	05	45	33.1	0.5	1.5	
	-EPZ	05	45	33.0	0.8	1.0	
	-EPE	09	52	22.9	1.0	2.5	
	+EPN	09	52	22.4	0.6	1.0	
	+EPZ	09	52	22.9	1.0	1.0	
	+EPE	22	58	23.6	1.2	0.5	
	+EPN	22	58	23.9	0.8	0.5	
	+EPZ	22	58	23.8	1.0	0.7	
	-EPE	01	53	43.8	0.8	1.0	
	-EPN	01	53	43.8	0.8	1.2	
16	+EPZ	01	53	43.1	0.5	0.7	
	+FPE	12	24	31.6	1.0	1.0	
	-EPN	12	24	31.1	0.7	1.0	
	-EPZ	12	24	31.1	0.8	0.5	
	+FPE	15	30	51.2	1.5	2.1	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
MAR 16	-EPN	15	30	51.8	1.0	1.2
	-EPZ	15	30	51.9	0.6	1.0
17	LP-LRZ	19	49	07.4	26.7	3.0
	-EPE	23	30	27.6	0.6	0.5
	+EPN	23	30	27.9	0.6	0.6
	+EPZ	23	30	28.2	0.3	0.3
	+IPE	02	44	26.1	2.0	3.0
	-EPN	02	44	26.8	1.3	1.5
	+IPZ	02	44	25.7	1.1	1.0
	-IPE	04	09	13.7	1.2	4.0
	+IPN	04	09	13.8	1.0	1.2
	-IPZ	04	09	13.7	1.6	4.8
	-EXE	16	22	25.7	0.8	0.8
	+EXN	16	22	25.7	1.0	2.0
	+EXZ	16	22	25.7	1.0	0.5
	17-18	NO RECORD				
18	LP+EPZ	11	09	26.0	7.5	2.5
	LP FSE	11	20	15		
	LP FSN	11	20	15		
	LP-ESCSZ	11	21	51.4	10.2	4.0
19	LP+LRZ	11	43	22.2	28.1	3.0
	+EPE	02	54	49.7	1.0	1.7
	+EPN	02	54	51.7	1.0	1.3
	+EPZ	02	54	51.5	1.0	1.0
	+FPE	14	35	18.2	1.6	2.0
	+EPN	14	35	16.8	0.8	0.8
	-EPZ	14	35	17.8	1.0	1.0
	+EPE	16	36	19.6	1.0	0.8
	-EPN	16	36	19.4	0.5	0.7
	+EPZ	16	36	19.9	0.3	0.4
19-20	EXTREME MICROSEISMIC ACTIVITY					
21	+EPE	04	46	09.0	1.0	3.0
	-EPN	04	46	09.4	1.0	1.9
	-EPZ	04	46	09.8	1.0	1.1
	+FPE	19	03	17.4	1.3	1.8
	+EPN	19	03	16.9	1.0	0.8
	+EPZ	19	03	18.4	0.6	0.7
	+EPE	22	48	02.4	1.0	1.5
	-EPN	22	48	00.4	1.0	0.7
	+EPZ	22	48	02.2	1.0	0.6

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
MAR 22	+EPE	10	11	48.4	0.5	1.0
	+FPN	10	11	49.4	0.6	0.8
23	+FPZ	10	11	49.4	0.8	0.5
	-EXE	21	40	44.6	0.3	1.2
	+EXN	21	40	45.2	0.8	1.2
	+FXZ	21	40	45.1	0.9	0.5
	-EPZ	01	34	03.9	1.6	0.6
	LP+LRZ	01	41	35.0	18.8	2.5
	-EXE	09	48	31.4	0.5	0.5
	-EXN	09	48	31.7	0.6	0.5
	-FXZ	09	48	31.4	0.5	0.7
	-FPE	11	52	47.6	1.7	5.0
	+FPN	11	52	47.4	1.4	2.3
	+IPZ	11	52	46.9	1.7	4.0
	-IPE	14	26	12.9	1.5	6.0
	+IPN	14	26	12.4	1.2	6.5
	+IPZ	14	26	12.9	1.2	3.0
	LP-ISE	14	30	11.6	6.6	2.5
	LP FSN	14	30	07.8		
	LP PCPE	14	31	07.8		
	LP LRZ	14	31	36.0	26.3	1.5
	24	+IPF	14	40	03.4	0.6
+IPN		14	40	03.4	0.9	3.5
+IPZ		14	40	03.2	1.0	4.0
-FSE		14	49	24.4	1.2	2.0
+ESN		14	49	25.9	1.5	2.5
+FSZ		14	49	25.5	1.0	1.0
+IPE		15	05	35.6	1.0	2.0
+IPN		15	05	35.4	1.0	4.0
-IPZ		15	05	34.8	0.3	1.1
+EPE		20	38	15.4	0.6	2.0
+FPN		20	38	14.5	1.0	1.0
+EPZ		20	38	13.6	1.3	1.5
LP FPZ		20	38	06.5		
LP+ISE		20	48	39.7	09.2	3.5
LP+IXF	20	49	06.5	09.2	7.0	
LP+LRZ	05	14	53.7	33.8	3.0	
+FPF	14	25	16.8	1.1	1.7	
+EPN	14	25	15.3	1.0	2.0	
+EPZ	14	25	16.1	0.6	0.4	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
MAR 24	+FPE	14	41	48.0	1.6	4.0	
	+FPN	14	41	48.0	1.7	2.5	
	+FPZ	14	41	49.1	1.2	2.0	
	-EPF	14	57	15.1	0.8	1.0	
	-FPN	14	57	15.3	0.9	2.0	
	-EPZ	14	57	14.3	0.8	0.8	
	LP+LRZ	15	07	04.9	22.5	5.0	
	-EXF	15	28	04.8	1.0	2.0	
	+FXN	15	28	03.9	1.0	1.7	
	-EXZ	15	28	04.3	0.5	1.0	
	+EPF	15	43	16.3	1.2	2.5	
	-EPN	15	43	19.1	1.2	1.1	
	+FPZ	15	43	17.8	1.5	1.0	
	+EPE	18	09	16.3	0.8	2.0	
	+EPN	18	09	15.8	1.6	3.5	
	+EPZ	18	09	16.3	1.8	3.0	
	+EPE	19	11	22.4	1.2	3.5	
	-EPN	19	11	22.2	0.5	1.5	
	+FPZ	19	11	21.2	1.0	1.0	
	+FPE	21	39	15.3	0.7	2.0	
	+FPN	21	39	14.3	0.9	2.0	
	+EPZ	21	39	14.3	0.6	0.5	
	25	+EPE	11	22	04.2	1.2	3.5
		+EPN	11	22	04.1	0.6	1.0
+FPZ		11	22	04.5	0.6	1.0	
-EPE		11	32	59.3	0.5	0.5	
+FPN		11	32	59.3	0.8	1.2	
-EPZ		11	33	00.2	1.0	0.6	
+EXE		18	10	02.1	1.0	3.0	
-EXN		18	10	03.5	0.6	1.0	
+EXZ		18	10	02.1	0.8	0.5	
+EXE		19	40	02.3	1.6	0.8	
+EXN		19	40	02.3	0.7	1.0	
+FXZ		19	40	01.8	1.0	1.5	
26		+EPE	03	19	00.3	0.8	1.7
		+EPN	03	19	01.6	0.7	3.3
		+EPZ	03	19	01.3	1.0	2.0
27		+IPE	03	19	31.2	1.8	3.5
		+IPN	03	19	30.9	1.2	1.6
		+IPZ	03	19	31.2	1.3	3.0

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
MAR 27	+FPE	15	06	06.6	0.8	1.0	
	-IPN	15	06	07.0	1.0	1.4	
	+IPZ	15	06	06.0	0.8	0.5	
28	-IPF	16	48	40.9	1.1	1.5	
	-IPN	16	48	41.1	1.1	1.1	
	-IPZ	16	48	40.7	1.1	2.5	
	+IPF	02	11	55.3	1.0	1.0	
	-IPN	02	11	55.3	1.1	2.0	
	+IPZ	02	11	55.1	1.3	3.5	
	+IPF	06	09	17.1	1.2	2.5	
	+FPN	06	09	17.1	0.8	0.5	
	+IPZ	06	09	17.1	1.3	2.5	
	30	+IPF	22	11	38.0	1.8	4.0
		+IPN	22	11	38.0	1.5	2.0
	31	+IPZ	22	11	38.0	1.7	3.7
-EPF		05	00	09.9	1.0	1.8	
APR 01	+FPN	05	00	09.2	1.1	1.0	
	+FPZ	05	00	09.7	1.5	2.8	
	+FPE	09	29	34.9	0.7	0.6	
	+FPN	09	29	36.0	0.5	1.4	
	-FPZ	09	29	36.1	1.0	1.0	
	-FPE	11	44	16.4	1.5	3.0	
	EPN	11	44	16.0			
	IPF	12	16	06.7			
	-IPN	12	16	06.7	0.5	1.5	
	IPZ	12	16	06.6			
	+FPN	15	35	17.4	0.9	0.6	
	+FXE	15	35	34.6	1.0	1.0	
	+FXN	15	35	33.2	0.7	1.0	
	FXZ	15	35	36.0			
	+EXF	15	50	13.9	0.9	1.5	
02	+FXN	15	50	16.2	1.0	2.0	
	+FXZ	15	50	13.4	0.9	0.7	
	FPZ	17	50	36.4			
	EXZ	17	50	46.1			
	IPE	05	23	50.2			
	IPN	05	23	50.0			
	IPZ	05	23	50.3			
	EPF	10	35	38.8			
	+IPN	10	35	37.8	0.5	0.7	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
APR 02	IPZ	10	35	39.3		
	-EPE	11	59	29.2	0.8	1.8
	+EPN	11	59	29.1	0.7	0.8
	FPZ	11	59	29.8		
	-EPF	14	49	57.3	0.8	1.2
	+EPN	14	49	56.8	0.7	1.4
	-EPZ	14	49	57.6	0.6	0.6
02-03	EXTREME MICROSEISMIC ACTIVITY					
03	IPN	18	29	27.7		
	IPZ	18	29	30.7		
04	IPF	07	38	38.4		
	IPN	07	38	38.3		
	IPZ	07	38	38.3		
	EPF	07	40	24.1		
	IPN	07	40	24.4		
	IPZ	07	40	24.7		
	FPE	10	26	14.2		
	FPN	10	26	14.6		
	EPZ	10	26	15.6		
04-05	EXTREME MICROSEISMIC ACTIVITY					
05	+IPE	19	41	14.8	0.5	1.0
	IPE	20	23	49.9		
	FPN	20	23	50.2		
	EPZ	20	23	50.2		
06	EPE	00	06	47.5		
	FPN	00	06	46.0		
	IPF	01	31	06.3		
	+IPN	01	31	05.9	1.0	1.2
	IPZ	01	31	07.3		
	FPN	03	20	16.5		
	+EPE	04	17	03.1	1.0	1.3
	-FPN	04	17	03.0	1.0	1.5
	FPZ	04	17	00.5		
	+FPE	04	27	09.3	1.5	2.5
	FPN	04	27	09.0		
	EPZ	04	27	07.8		
	+FPN	06	12	53.5	1.0	1.0
	+EPZ	06	12	54.5	0.8	0.8
	FPN	06	50	29.5		
	EPZ	06	50	28.5		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
APR 06	+EPN	18	00	23.5	1.0	1.0
	+FPZ	18	00	24.7	1.0	1.0
	+IPN	21	11	36.9	0.5	1.0
	EPN	21	41	02.5		
	FPZ	21	41	02.0		
07	FPE	03	27	25.5		
	+IPN	03	27	24.7	1.1	2.5
	+IPZ	03	27	24.5	1.0	2.5
	FPE	22	30	43.9		
	EPN	22	30	42.9		
08	EPE	00	13	08.1		
	IPN	00	13	08.7		
	FPZ	00	13	08.9		
	FPN	02	19	53.1		
	IPF	03	02	15.6		
	IPN	03	02	14.1		
	FPZ	03	02	16.5		
	+FX7	03	02	22.5	0.9	1.0
	IPE	06	51	10.9		
	IPN	06	51	10.4		
	IPZ	06	51	11.2		
	+IPE	11	31	16.5	0.5	1.4
	+IPN	11	31	16.4	0.7	3.0
	IPZ	11	31	16.4		
	EPE	11	41	01.4		
	FPN	11	41	01.0		
	-IPE	12	04	09.2	0.7	1.9
	IPN	12	04	08.5		
	+IPZ	12	04	09.3	0.5	1.0
	EPF	14	13	09.4		
	FPN	14	13	09.4		
	FPZ	14	13	10.4		
	FPE	15	59	47.4		
	IPN	15	59	46.7		
	FPE	16	05	51.0		
	FPN	16	05	50.5		
	IPF	22	58	46.9		
	IPN	22	58	47.1		
	IPZ	22	58	46.9		
09	IPF	02	26	18.1		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
APR 09	IPN	02	26	17.6			
	IPZ	02	26	17.9			
	IPE	03	37	02.9			
	IPN	03	37	03.2			
	IPZ	03	37	03.9			
	EPE	04	14	12.1			
	EPN	04	14	10.6			
	IPZ	04	14	11.4			
	-IPE	08	19	32.0	1.4	3.0	
	EPN	08	19	32.0			
	+IPZ	08	19	32.2	0.8	1.8	
	IPE	11	03	03.4			
	EPN	11	03	03.4			
	IPZ	11	03	03.9			
	IPE	21	13	44.4			
	+IPN	21	13	44.4	0.6	1.0	
	+EPN	23	05	01.9	1.0	0.5	
	+EPZ	23	05	01.9	1.0	0.5	
	10	EPE	00	51	42.4		
EPN		00	51	42.4			
FXZ		00	51	45.4			
IPN		03	46	08.3			
IPZ		03	46	08.9			
EPN		06	10	04.8			
FPZ		06	10	05.2			
EPE		10	29	49.2			
-EPN		10	29	49.2	1.0	0.6	
+IPZ		10	29	51.2	0.9	0.5	
IPN		11	21	18.9			
+EPZ		11	21	20.1	0.5	1.0	
IPE		11	57	12.8			
-IPN		11	57	12.3	1.0	1.5	
EPZ		11	57	11.8			
11		EPE	21	52	10.1		
		+IPN	21	52	09.5	0.5	1.5
12		-EPZ	21	52	10.3	0.6	1.0
		IPN	02	11	56.5		
	IPZ	02	11	56.7			
	-EPN	03	31	41.7	1.0	2.2	
	EPZ	03	31	40.7			

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
APR 12	-IPN	05	54	34.2	0.5	1.0
	+EPZ	05	54	35.2	1.0	1.5
	-EXN	08	24	14.1	0.7	2.5
	EPZ	08	24	14.6		
12-13 14	EXTREME MICROSEISMIC ACTIVITY					
	EPN	01	26	30.0		
	EPZ	01	26	30.4		
	FPE	01	43	23.0		
	FPE	02	12	59.0		
	-EXN	02	13	00.2	0.6	0.5
	FXZ	02	13	01.8		
	+EPN	03	26	03.0	0.9	0.5
	FPZ	03	26	02.1		
	FXF	03	26	23.4		
	IPE	04	04	47.4		
	-IPN	04	04	46.9	1.0	2.0
	+IPZ	04	04	47.2	1.0	1.0
	EPE	04	27	50.6		
	EXZ	04	27	54.6		
	EPE	05	10	48.0		
	FPN	05	10	47.4		
	-EXN	05	11	04.0	0.8	1.2
	EXZ	05	11	07.2		
	FPE	05	48	39.8		
	EPN	05	48	39.3		
	EXZ	05	48	48.0		
	IPF	09	13	38.9		
	IPN	09	13	38.0		
	IPZ	09	13	38.4		
15	EPE	03	13	31.8		
	FPN	03	13	32.8		
	EPE	06	36	54.3		
	FPN	06	36	55.3		
	FXZ	06	36	54.8		
	EPE	07	34	50.8		
	EPN	07	34	50.8		
	FXZ	07	34	52.8		
	FPE	11	43	13.3		
	EPN	11	43	13.4		
	EPZ	11	43	12.8		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
APR 15	-IPE	14	45	50.3	0.6	2.2	
	-IPN	14	45	49.8	0.7	3.0	
	+IPZ	14	45	50.2	1.0	1.0	
	ISE	14	46	59.3			
	ISN	14	46	59.3			
	ISZ	14	46	59.5			
	IPE	14	48	44.3			
	+IPN	14	48	45.8	0.7	0.7	
	+IPE	02	40	18.1	1.0	1.5	
	EPN	02	40	22.6			
	FPZ	02	40	24.3			
	+EPE	09	36	55.8	0.7	1.0	
	+EPN	09	36	55.6	0.8	1.3	
	EPZ	09	36	53.8			
	EPE	11	43	12.0			
EPN	11	43	12.3				
16	EPZ	11	43	11.3			
	-IPF	14	45	50.3	1.0	2.2	
	-IPN	14	45	40.8	0.7	2.0	
	+IPZ	14	45	50.3	0.6	2.4	
	FPE	14	48	44.6			
	+EPN	14	48	43.9	0.5	0.5	
	FPZ	14	48	45.5			
	EPN	15	41	30.3			
	17	-IPE	04	36	41.5	0.8	1.5
		IPN	04	36	41.6		
		FPZ	04	36	42.2		
		+EPE	04	37	51.8	1.0	1.0
		EPN	04	37	52.3		
		FPZ	04	37	53.0		
		+IPE	05	17	14.3	1.0	2.5
EPN		05	17	15.4			
FPZ		05	17	13.8			
+EPE		06	19	00.9	2.0	3.5	
EPZ		06	19	01.2			
FPZ		06	19	00.2			
FXI		06	19	03.3			
FXN		06	19	06.8			
+IPE		07	05	21.2	1.0	1.5	
+EPE	07	05	21.0	0.9	0.8		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
APR 17	+FPZ	07	05	21.7	0.7	0.6	
	FPE	09	51	53.3			
	EPN	09	51	53.5			
	EPZ	09	51	55.4			
	+EXN	09	51	57.2	0.8	1.2	
	+FXZ	09	51	57.4	1.1	1.1	
	IPF	18	30	59.7			
	IPN	18	31	00.8			
	FPZ	18	30	58.7			
	-IPE	20	06	03.0	0.6	0.6	
	+IPN	20	42	49.6	1.8	1.5	
	FPZ	20	42	48.7			
	18	+IPF	10	50	52.7	2.0	1.6
		+IPZ	10	50	52.9	1.0	2.0
		+FXN	10	51	03.8	1.0	1.5
IPF		13	43	11.0			
+IPN		13	43	11.0	0.4	1.0	
IPZ		13	43	11.0			
+IPE		20	43	56.1	1.0	0.8	
+IPN		20	43	57.0	1.0	1.0	
IPZ		20	43	56.6			
+IPE		20	46	54.6	1.2	3.0	
+IPN		20	46	54.5	0.7	1.0	
+IPZ		20	46	54.6	1.5	4.2	
LP+FPZ		21	10	22.9	22.5	3.0	
LP+FXZ		21	43	18.2	18.8	4.0	
19		+IPF	04	04	06.5	0.6	1.5
	IPN	04	04	06.4			
	IPZ	04	04	06.5			
	+IPE	07	25	51.0	2.8	6.0	
	+IPN	07	25	52.5	1.1	2.0	
	-IPE	07	46	29.7	0.6	1.0	
	-IPN	07	46	30.2	0.6	1.0	
	-IPZ	07	46	29.5	0.5	0.8	
	ESF	07	48	32.6			
	ESN	07	48	34.0			
	ESZ	07	48	32.8			
	IPF	11	39	07.4			
	IPN	11	39	08.2			
	IPZ	11	39	08.5			

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
APR 19	EPE	21	37	01.5		
	FPN	21	37	01.7		
20	EPZ	21	37	01.0		
	-EPE	08	39	46.5	1.3	2.0
	-IPN	08	39	48.4	1.0	1.0
	LP+LRZ	09	10	09.4	26.3	3.0
	IPE	12	08	26.5		
	IPN	12	08	26.2		
21	EPZ	12	08	26.4		
	LP-LRN	01	37	20.1	24.4	3.5
	LP-LRZ	01	37	20.1	20.6	8.0
	EPE	03	29	10.4		
	+IPN	03	29	08.7	0.7	0.6
	+EPZ	06	10	00.9	0.6	0.5
	-EXE	06	10	08.8	1.0	1.0
	+EXN	06	10	09.4	0.8	0.6
	-IPE	22	12	31.0	1.0	1.0
	+EXN	22	12	31.4	1.0	0.9
	-EXZ	22	12	34.4	0.7	0.6
	+EPE	23	01	41.9	1.0	1.5
	-EPN	23	01	41.8	0.8	0.7
	22	EPE	05	53	07.4	
+IPN		05	53	07.1	1.0	1.0
+EPZ		05	53	09.4	0.8	1.0
EPE		20	40	33.8		
+EPN		20	40	32.6	0.7	0.6
-ESE		20	41	58.2	1.0	2.5
+ESN		20	41	56.3	0.6	0.6
+ESZ		20	41	58.3	1.2	1.1
-IPE		20	59	07.6	0.4	0.7
EPN		20	59	07.5		
+EPE		22	58	35.1	1.0	1.2
EPN		22	58	35.4		
+EPE		23	12	55.0	1.0	1.0
+EPN		23	12	56.2	0.7	1.2
23	+EPE	19	42	14.4	0.6	1.0
	+EPN	19	42	14.0	0.6	0.8
	+EPZ	19	42	15.0	0.4	0.7
	-EPE	20	25	52.2	1.0	1.6
	+EPN	20	25	52.2	0.7	1.2

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
APR 23	+FPZ	20	25	51.7	0.9	0.5
	FPE	21	17	38.3		
24	-FPN	21	17	37.4	0.8	1.4
	EPZ	21	17	38.9		
	+EPE	23	30	02.8	0.8	1.5
	-FPN	23	30	03.5	0.6	1.0
	EPZ	23	30	02.9		
	IPF	13	45	49.3		
	IPN	13	45	49.8		
	EPZ	13	45	49.5		
	IPN	16	52	01.1		
	EPZ	16	52	00.5		
	EPE	20	32	44.1		
	FPN	20	32	44.8		
	EPZ	20	32	44.1		
	EPE	20	59	36.6		
FPN	20	59	36.6			
25	EPE	21	41	07.5		
	+FPN	21	41	08.5	0.6	1.5
	FPZ	21	41	07.7		
	+IPE	21	23	51.3		2.0
	FPN	21	23	51.4		
	FXZ	21	23	54.1		
	+IPE	21	55	00.6	0.8	1.5
	+FPN	21	55	00.7	1.0	1.0
	+IPE	22	23	19.4		1.0
	FPN	22	23	19.6		
	EXZ	22	23	22.3		
	+IPN	22	47	14.7	0.6	0.6
	EXZ	22	47	15.1		
	EPE	23	22	30.1		
FPN	23	22	30.1			
25	FPE	13	03	12.6		
	FPN	13	03	12.1		
	FPZ	13	03	12.1		
	FXZ	13	03	13.9		
	-FPF	17	05	21.1	0.9	0.8
	+IPN	17	05	21.1	0.8	2.0
	+IPZ	17	05	21.4	0.7	0.5
	+EPE	22	36	13.1	0.6	1.0

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
APR 25	+EPN	22	36	12.6	0.5	0.5
	-EPZ	22	36	12.6	0.8	1.2
26	-EPE	23	26	23.9	1.3	2.0
	EPN	23	26	24.1		
	EPZ	23	26	24.1		
	EPE	00	23	11.1		
	FPN	00	23	11.3		
	EPE	00	35	59.1		
	-IPN	00	35	57.5	0.8	1.5
	+FPZ	00	35	59.1	0.7	0.5
	+EPE	01	47	58.1	1.2	1.0
	EPN	01	47	58.0		
	FPZ	01	47	59.0		
	EPE	06	23	44.3		
	+FPN	06	23	44.1	1.0	3.0
	FPZ	06	23	44.1		
	+EPE	12	24	06.6	0.5	1.0
EPN	12	24	07.1			
+EPZ	12	24	07.1	0.7	0.8	
+IPF	23	41	18.7	0.8	0.1	
FPN	23	41	18.1			
FXZ	23	41	20.7			
27	+EPE	01	14	03.6	0.5	1.0
	+FPN	01	14	03.6	0.8	1.0
	+EPE	01	33	05.6	0.7	1.0
	IPN	01	33	05.7		
	FPZ	01	33	04.1		
	+IPF	06	14	04.6	1.3	10.0
	-IPN	06	14	05.1	1.2	4.5
	-IPZ	06	14	04.6	1.2	11.0
	-IPF	07	37	09.1	1.3	9.5
	+IPN	07	37	09.1	1.3	9.4
	-IPZ	07	37	09.1	1.4	15.0
	LP+IPZ	07	37	10.1	8.3	6.0
	LP+ISN	07	47	19.3	12.0	5.5
	LP-ISZ	07	47	19.3		
	LP+LRN	08	06	00.8	25.8	5.5
LP-LRZ	08	06	00.8	18.5	4.5	
+EPE	23	11	55.1	1.0	0.8	
+IPN	23	11	56.1	1.0	1.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
APR 27	+IPZ	23	11	56.3	1.0	1.0
	EPE	00	39	53.6		
28	FPN	00	39	53.8		
	FPZ	00	39	54.6		
	FPF	00	49	36.5		
	EPN	00	49	35.5		
	FPZ	00	49	36.5		
	IPN	02	06	48.1		
	IPF	02	47	29.5		
	+FPN	02	47	30.5	0.7	1.0
	FPF	03	40	03.1		
	EPN	03	40	03.1		
	FPZ	03	40	01.1		
	+IPF	03	49	40.2	0.6	1.0
	FPN	03	49	40.5		
	FPZ	03	49	40.5		
	+EPE	04	15	45.1	0.7	0.8
+IPN	04	15	45.5	1.0	0.7	
+FXF	04	16	35.1	1.0	1.0	
+IXN	04	16	33.5	1.0	0.9	
FXZ	04	16	35.1	1.0		
29	EPE	01	02	38.3		
	-FPN	01	02	38.8	1.0	0.5
	-FPZ	01	02	37.3	1.2	1.5
	-EPE	01	12	15.7	0.	1.0
	+IPN	01	12	16.8	0.	0.5
	FPZ	01	12	17.6		
	+EPE	02	27	34.8	0.6	0.6
	FPN	02	27	35.8		
	-FPZ	02	27	34.6	0.9	0.9
	FPF	03	08	19.8		
	+IPN	03	08	19.8	1.	0.6
	+IPF	03	42	01.8	0.	1.2
	+IPN	03	42	02.0	0.	0.6
	FPZ	03	42	01.6		
	-EPE	04	35	16.8	1.0	1.0
EPN	04	35	17.8			
FPZ	04	35	17.8			
FPF	01	17	12.4			
30	+IPN	01	17	12.8	0.8	1.0

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
APR 30	FPZ	01	17	12.8		
	+IPN	04	49	46.8	0.6	1.0
	+IPZ	04	49	45.8	0.8	0.6
	EPE	05	18	35.8		
	+IPN	05	18	35.8	1.0	1.0
	EPE	06	06	49.8		
	EPN	06	06	49.8		
	IPE	06	33	53.4		
	+IPN	06	33	53.4	0.8	1.5
	-EPE	11	09	41.8	1.0	1.0
	+IPN	11	09	41.5	0.8	1.5
	EPZ	11	09	41.2		
	+IPE	05	10	12.8	2.0	3.5
	-IPN	05	10	12.8	1.0	1.0
MAY 01	+IPZ	05	10	12.8	1.0	1.1
	-ISE	05	33	07.8	1.0	2.0
	ESN	05	33	08.1		
	ESZ	05	33	08.1		
	+IPE	06	31	06.5	0.9	1.0
	+EPN	06	31	05.8	1.0	0.5
	EPE	12	49	46.3		
	EPN	12	49	48.8		
	EPZ	12	49	47.8		
	LP+LRZ	12	57	37.2	16.9	4.0
	-IPE	04	35	41.8	1.0	2.0
	-IPN	04	35	42.1	0.5	1.8
	+IPZ	04	35	41.6	1.3	1.0
	+IPE	19	39	45.1	1.0	1.6
+IPN	19	39	46.0	0.9	1.0	
02	EPZ	19	39	48.0		
	+IPN	06	06	05.9	0.8	1.0
	EPZ	06	06	07.3		
	IPE	19	14	14.3		
	IPN	19	14	14.3		
	+IPE	21	31	21.3	0.9	1.0
03	EPN	21	31	22.6		
	-EPZ	21	31	24.2	0.5	0.6
	+EPE	09	21	24.8	1.0	1.7
	-EPN	09	21	24.9	1.0	2.0
	-EPZ	09	21	24.5	2.0	2.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
MAY 04	+IPE	09	30	51.0	1.0	2.5	
	+IPN	09	30	50.8	1.4	2.6	
	+FPZ	09	30	52.2	1.2	1.5	
	-IPE	12	59	29.6	1.0	3.4	
	+IPN	12	59	29.4	1.0	3.1	
	-IPZ	12	59	29.3	1.0	6.0	
	+EPF	17	44	55.4	0.6	1.0	
	-IPN	17	44	54.8	0.6	1.0	
	+EPZ	17	44	54.2	1.0	1.0	
	05	-EPE	06	26	44.0		1.0
		+IPN	06	26	44.0	0.7	1.3
		+IPZ	06	26	44.0	1.0	1.0
		-IPE	08	30	30.5	1.3	2.5
		-EPN	08	30	30.1	0.7	1.0
+IPZ		08	30	30.1	1.3	2.0	
06	+IPE	22	18	19.0	1.0	1.2	
	EPN	22	18	20.2			
	EPZ	22	18	18.7			
	+IPE	06	49	35.5	1.0	1.7	
	EPN	06	49	35.0			
	FPZ	06	49	36.3			
	EPE	21	01	47.8			
	+FPN	21	01	48.0	0.6	1.0	
	FPZ	21	01	47.5			
	07	FPE	08	54	47.5		
		FPN	08	54	47.0		
		FP7	08	54	47.3		
		+IPE	01	38	09.5	0.6	1.2
		+IPN	01	38	09.5	0.7	1.0
+IPZ		01	38	09.8	0.4	0.5	
+EXE		01	38	32.0	0.8	1.5	
-ESN		01	38	33.2	0.6	1.5	
-EXZ		01	38	34.2	0.6	0.6	
-IPE		10	13	14.0	1.0	3.0	
+IPN		10	13	12.5	0.7	0.6	
+IPZ		10	13	14.7	0.6	1.0	
+IPF		11	13	33.0	0.9	1.5	
IPN		11	13	33.6			
FPZ	11	13	34.5				
-EPE	22	33	25.0	0.6	2.0		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
MAY 07	+EPN	22	33	25.8	1.0	1.1
	EPZ	22	33	25.5		
08	EPE	03	48	59.5		
	+IPN	03	48	58.7	0.5	1.0
	+EPZ	03	48	59.0	1.0	1.5
08-09	EXTREME MICROSEISMIC ACTIVITY					
09	LP+LRZ	00	11	49.7	15.0	6.0
10	IPE	00	01	43.4		
	+IPN	00	01	41.9	2.0	5.0
	+IPZ	00	01	41.9	2.4	7.0
	+EXE	00	25	03.9	0.6	3.5
	+FXN	00	25	09.9	0.5	4.0
	-EXZ	00	25	15.9	0.6	1.8
	LP+EPN	00	01	40.2	5.6	3.5
	LP+IPZ	00	01	40.2	7.5	5.5
	LP-ESN	00	05	41.8	15.2	4.5
	LP+ESZ	00	05	41.8	9.5	4.0
	LP-SCSN	00	11	36.5	12.2	13.0
	+FPF	02	15	09.1	1.0	2.0
	-IPN	02	15	08.6	1.1	2.3
	+IPZ	02	15	08.9	1.0	2.0
	LP-EPN	08	36	42.3	10.2	3.5
	LP-ESN	08	44	57.0	17.5	6.5
	LP-LRZ	08	55	05.4	18.8	4.0
	LP+SKKSN	09	05	05.4	18.8	3.5
	LP+SKKSZ	09	05	05.4	22.5	7.5
11	+IPF	00	56	47.8	2.0	10.5
	+IPN	00	56	49.1	1.0	1.0
	+EPZ	00	56	47.8	1.7	10.5
	LP-IPZ	00	56	50.4	9.4	3.0
	LP-SCSZ	01	07	34.1	12.4	2.0
	LP+PSZ	01	08	54.2	18.8	5.0
	LP+PSPSZ	01	14	01.6		
	FPF	02	21	36.6		
	FPN	02	21	35.8		
	-IPF	13	06	07.8	2.4	32.5
	+IPN	13	06	07.8	1.6	1.0
	+IPZ	13	06	07.8	2.0	13.5
	LP+IPN	13	06	14.8	7.5	2.0
	LP-IPCPN	13	10	18.6	10.3	8.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
MAY 11	LP+ISN	13	10	35.4	8.4	3.5
	LP+SCSN	13	17	51.4	11.3	21.5
	IPF	20	06	35.8		
	FPN	20	06	35.3		
	EP7	20	06	37.0		
	IPE	21	01	41.2		
	FPN	21	01	41.3		
	FPF	21	06	16.8		
	+IPZ	21	06	16.8	0.8	1.0
	EPE	22	28	59.8		
	FPN	22	28	59.8		
	FPZ	22	29	00.8		
	+IPE	22	38	22.8	1.1	1.5
	IPN	22	38	22.8		
	-IP7	22	38	23.8	1.0	1.0
	IPE	23	29	46.7		
	IPN	23	29	47.4		
	FPZ	23	29	47.8		
12	+IPF	10	17	44.8	1.3	4.4
	-IPN	10	17	44.9	1.0	2.0
	-IP7	10	17	44.7	1.2	5.0
	+IPF	10	27	31.8	3.7	11.5
	+EPN	10	27	32.8	2.0	4.5
	+ISF	10	28	22.8	2.5	6.9
	+ISN	10	28	21.3	2.8	3.0
	-IPF	11	54	11.8	0.6	1.2
	FPN	11	54	12.8		
	+IPZ	11	54	11.8	0.5	1.2
	-IPN	17	33	10.8	0.9	0.5
	+FPZ	17	33	12.3	1.0	0.3
	+IPF	22	03	50.8	0.6	2.0
	FPN	22	03	51.7		
	EP7	22	03	51.8		
	-IPE	22	54	38.5	2.2	4.2
	FPN	22	54	39.8		
	-IPE	23	35	10.1	0.5	2.5
	IPN	23	35	11.0		
	EP7	23	35	09.8		
13	+IPF	15	31	47.4	0.8	0.5
	IPN	15	31	47.3		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
MAY 13	IPZ	15	31	48.0		
	-FPE	15	57	25.0	1.4	2.0
	+IPN	15	57	24.7	0.6	1.3
	-FPZ	15	57	24.7	0.5	1.1
	LP+LRN	15	05	22.2	26.3	3.0
	+FPE	19	06	06.7	1.0	1.5
	+IPZ	19	06	07.3	1.2	1.5
	LP+FSN	19	15	38.1	9.4	3.0
	FPE	22	13	21.9		
	EPN	22	13	23.2		
	FPZ	22	13	23.2		
	-FPE	23	43	30.2	0.7	2.0
	+FPN	23	43	30.7	0.6	0.8
14	FPZ	23	43	30.7		
	IPN	00	46	54.2		
	+FPZ	00	46	54.7	1.2	1.5
	FPE	02	36	38.7		
	EPN	02	36	39.7		
	FPZ	02	36	39.2		
	+FPE	21	07	54.7	1.0	3.2
	+IPN	21	07	54.2	0.7	1.0
	-FPZ	21	07	55.7	1.0	0.8
	+FPE	22	52	00.7	1.0	5.0
	FPN	22	52	00.7		
	FPZ	22	52	01.7		
	+IPZ	22	57	49.7	1.0	3.0
-IPN	22	57	49.5	0.7	1.0	
+IPZ	22	57	50.4	0.6	4.5	
+ESE	23	00	47.4	0.7	3.0	
+FSN	23	00	46.9	0.6	1.1	
+ISZ	23	00	45.7	0.7	1.0	
17	IFE	02	51	07.0		
	+IPN	02	51	07.1	0.9	2.0
	IPZ	02	51	08.0		
	+EPE	11	48	05.3	0.6	0.8
	-IPN	11	48	06.1	0.7	2.5
	+IPZ	11	48	06.1		1.0
	+IPE	15	34	46.6	2.4	8.0
	+IPN	15	34	46.6	1.5	3.5
	-IPZ	15	34	46.6	1.7	6.4

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
MAY 17	+IFE	20	48	20.4	1.0	2.5
	-FPN	20	48	20.5	1.0	2.6
	+FPZ	20	48	19.5	1.0	1.5
	+FPE	21	06	43.5	1.2	2.5
	+FPN	21	06	45.5	1.0	1.5
	-IPZ	21	06	44.5	2.0	6.0
	LP+FPZ	21	30	55.8	30.0	6.0
	-FPE	23	12	52.2	1.2	2.5
	+IPN	23	12	52.5	1.0	1.5
	FPZ	23	12	53.0		
	-IFE	23	28	06.5	1.5	3.0
	FPZ	23	28	06.0		
	-FPZ	23	28	05.5	0.8	1.0
18	+IFE	23	34	09.0	1.2	5.0
	+IPN	23	34	10.5	1.2	3.0
	+FPE	01	30	36.5	1.2	1.5
	IPN	01	30	36.8		
	FPZ	01	30	37.6		
	+FPE	02	54	02.5	1.6	3.0
	+FPN	02	54	02.6	0.6	0.5
	FPZ	02	54	03.5		
	-FPE	03	30	27.5	1.4	2.0
	+IPN	03	30	28.3	0.8	2.0
	+EPZ	03	30	29.5	1.0	1.5
	FPE	12	09	38.3		
	+FPN	12	09	38.5	0.7	1.5
+IPZ	12	09	38.0	1.0	2.0	
19	+FPE	20	30	15.5	2.0	4.0
	-FPN	20	30	14.5	0.6	0.5
	FPZ	20	30	15.5		
	+IFE	02	43	52.1	1.0	1.5
	+IPN	02	43	52.2	1.6	1.1
	-FPZ	02	43	53.3	0.7	0.5
	+IFE	05	42	33.3	0.5	1.0
	+IPN	05	42	31.0	0.5	0.5
	+IPZ	05	42	33.4	1.0	0.6
	-IFE	07	30	15.2	0.7	0.5
	+IPN	07	30	12.7	1.0	1.0
	FPZ	07	30	14.5		
	FPE	13	30	54.9		
20						

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
MAY 20	EPN	13	30	53.5		
	-FPZ	13	30	54.5	1.0	2.0
21	+IPE	02	09	05.5	1.4	6.3
	+IPN	02	09	05.5	1.0	1.5
	-IPZ	02	09	05.7	1.2	4.0
	LP+LRZ	08	33	14.6	26.7	2.0
	+FPN	19	54	18.7	1.0	0.5
	EPZ	19	54	18.4		
	+FPF	21	30	53.4	1.2	2.2
	EPN	21	30	53.6		
	EPZ	21	30	53.9		
22	+IPN	03	53	26.3	1.0	2.5
	+FPZ	03	53	26.9	1.0	0.9
23	IPE	01	50	03.2		
	IPN	01	50	03.5		
	IPZ	01	50	03.3		
	IPE	01	52	02.8		
	IPN	01	52	02.5		
	FPZ	01	52	05.8		
	-IPE	10	11	21.6	0.8	2.5
	+FPN	10	11	22.0	0.7	3.0
	EPZ	10	11	22.2		
	-FPE	23	57	30.6	1.5	1.6
	-EPN	23	57	30.8	1.0	0.8
	EPZ	23	57	30.7		
24	FPE	08	31	35.5		
	EPN	08	31	33.6		
	EPZ	08	31	33.7		
	FPE	09	01	33.3		
	-FPN	09	01	35.1	0.8	0.9
	FPZ	09	01	35.8		
	FPE	17	23	54.8		
	FPN	17	23	56.0		
	EPZ	17	23	56.3		
	-FPE	18	30	06.0	1.8	3.0
	+FPN	18	30	07.4	1.1	1.5
	EPZ	18	30	06.5		
	-FPE	21	32	41.3	2.0	3.0
	EPN	21	32	43.3		
	EPZ	21	32	43.1		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
MAY 24	FPF	23	15	37.3		
	-FPN	23	15	37.3	0.8	1.0
	FPZ	23	15	37.3		
25	EPE	00	47	19.4		
	-FPN	00	47	20.5	0.8	1.0
	FPZ	00	47	19.3		
	EPE	02	26	18.5		
	FPN	02	26	19.4		
	FPZ	02	26	19.3		
26	FPE	02	28	05.7		
	+FPN	02	28	05.4	1.4	1.0
	FPZ	02	28	05.2		
25	FPF	06	45	27.3		
	FPN	06	45	29.3		
	FPZ	06	45	28.3		
	+FPF	08	51	09.8	1.2	2.0
	EPN	08	51	10.8		
	FPZ	08	51	10.8		
	FPE	09	20	41.3		
	EPN	09	20	42.8		
	FPZ	09	20	42.3		
	FPE	09	53	35.3		
	EPN	09	53	35.8		
	FPZ	09	53	34.8		
	-FPE	10	03	33.9	1.5	6.0
	FPN	10	03	32.3		
	FPZ	10	03	34.3		
	FPE	10	22	08.3		
	FPN	10	22	07.3		
	EPZ	10	22	08.6		
	-FPE	19	47	10.2	1.0	2.5
	+EPN	19	47	09.4	0.6	0.5
	EPZ	19	47	10.7		
	FPE	20	41	59.2		
	-FPN	20	41	59.2	1.0	0.5
	FPZ	20	41	59.2		
26	+FPE	01	45	54.5	1.8	3.0
	FPN	01	45	53.2		
	-IPZ	01	45	54.2	1.8	3.0
	-FXN	01	45	58.5	1.3	4.0

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s					h	m	s		
MAY 26	LP+FPF	01	45	59.1	5.5	1.0	MAY 30	FPF	13	56	59.1		
	LP+ISE	01	55	31.1	15.0	24.0		FPN	13	56	59.1		
	LP-ISM	01	55	31.1	15.0	17.0		FPZ	13	57	00.1		
	LP+FSSE	02	01	00.1	10.3	2.5		EPE	14	26	19.6		
	LP-ESSN	02	01	00.1	11.3	4.0		EPN	14	26	19.9		
	LP+LRN	02	11	09.5	15.0	4.0		FPZ	14	26	20.1		
	+IPE	05	59	19.9	1.0	2.5		FPE	19	07	51.8		
	-IPN	05	59	19.9	1.0	3.0		EPN	19	07	50.3		
	+IPZ	05	59	19.7	1.1	5.0		+FPE	23	51	58.1	1.0	2.5
	+EPE	06	08	47.7	2.0	4.0		+FPN	23	51	57.1	1.0	1.0
	+EPN	06	08	47.7	1.5	2.0		FPZ	23	51	58.1		
	FPZ	06	08	48.4				EPE	03	45	54.1		
	+EPE	14	49	13.2	1.0	1.5		FPN	03	45	54.1		
	EPN	14	49	13.2				-IPZ	03	45	54.3	1.0	4.0
27	EPZ	14	49	14.2			EPE	11	19	55.6			
	EPE	01	25	03.2			+FPN	11	19	55.6	1.0	1.0	
	FPN	01	25	03.4			FPZ	11	19	55.7			
	+IPE	05	00	57.2	1.8	5.0	+FPE	15	52	19.0	1.2	1.3	
	EPN	05	00	58.2			FPN	15	52	19.0			
	+IPZ	05	00	57.2	2.0	6.0	-IPZ	15	52	20.7	1.1	1.5	
	EPE	19	58	20.2			FPF	17	22	47.3			
	-EPN	19	58	20.2	1.0	2.0	FPN	17	22	46.0			
	-FPZ	19	58	19.8	1.3	1.0	FPZ	17	22	48.0			
	28	EPE	00	10	12.2			FPF	08	10	38.3		
FPN		00	10	10.7			EPN	08	10	38.5			
FPZ		00	10	12.2			FPZ	08	10	37.9			
EPZ		01	43	14.4			+FPE	12	11	52.9	1.0	3.0	
FPN		01	43	14.2			IPN	12	11	51.9			
EPE		01	43	15.2			+IPZ	12	11	53.1	1.1	1.5	
30	EPE	02	54	45.8			+IPE	02	41	08.6	0.8	2.0	
	EPN	02	54	46.1			-IPN	02	41	08.3	0.5	0.5	
	EPZ	02	54	45.8			+IPZ	02	41	08.8	0.7	1.0	
	EPE	04	24	12.1			IXF	02	41	35.3			
	FPN	04	24	12.4			-IXN	02	41	36.7	0.8	2.5	
	FPZ	04	24	12.8			+IXZ	02	41	36.9	0.7	1.0	
	EPE	05	22	23.6			FPE	04	50	48.3			
	EPN	05	22	22.8			+EPN	04	50	48.3	0.5	0.5	
	EPZ	05	22	24.4			+IPZ	04	50	49.0	0.5	0.5	
	+IPE	05	53	01.3	0.5	1.2	+IPE	12	02	20.0	0.5	1.0	
28	EPN	05	53	02.1			-IPN	12	02	20.6	0.8	2.0	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
JUN 02	+IPZ	12	02	20.6	1.0	1.8
02-03	NO RECORD					
04	-IPF	04	26	53.7	1.0	1.7
	+IPN	04	26	53.3	1.0	2.5
	-IPZ	04	26	53.6	1.0	4.0
	-ISE	04	36	57.8	2.4	7.0
	+ISM	04	36	58.3	2.1	6.5
	+ISZ	04	36	58.8	2.0	4.0
	LP+IPE	04	26	59.8	9.5	7.5
	LP+IPN	04	26	59.6	9.5	5.5
	LP PCPN	04	28	29.3	11.1	2.5
	LP EPPE	04	29	29.1	13.1	18.5
	LP EPPN	04	29	29.1	13.1	19.5
	LP-LRM	04	53	09.0	14.8	3.0
	LP-EXM	04	55	24.4	30.0	5.5
	+IPE	08	48	11.8	1.0	1.0
	IPN	08	48	12.5		
	-FPE	15	04	03.1	1.2	1.5
	-FPN	15	04	03.2	1.0	1.0
	+IPZ	15	04	02.8	1.3	1.3
04-05	NO RECORD					
05	+IPE	16	12	30.6	0.7	1.2
	IPN	16	12	28.5		
	+IPZ	16	12	30.6	0.7	0.5
	FPE	16	51	23.3		
	+FPN	16	51	22.7	1.0	1.0
	FPZ	16	51	22.7		
	IPF	17	21	15.7		
	FPN	17	21	15.5		
	FPZ	17	21	16.2		
06	FPE	04	27	07.0		
	+IPN	04	27	07.4	0.9	1.5
	+FPZ	04	27	09.1	0.8	1.0
	FPE	07	53	37.5		
	FPN	07	53	37.8		
	FPZ	07	53	38.3		
	-FPE	18	24	00.6	2.0	3.5
	FPE	18	29	01.6		
	-FAZ	18	29	00.6	1.2	1.0
	FPE	18	59	31.5		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
JUN 07	-FPN	18	59	30.5	1.0	0.6
	-EPZ	18	59	31.2	1.0	0.5
08	EPF	01	59	21.6		
	FPN	01	59	22.5		
	-IPE	12	48	46.8	1.0	2.0
	-IPN	12	48	46.5	1.1	1.5
	-IPZ	12	48	46.7	1.0	1.5
	FPE	15	03	58.5		
	FPN	15	03	58.5		
	+EPZ	15	03	58.3	1.0	1.0
	+FPE	17	28	35.7	1.6	1.5
	-FPN	17	28	35.7	1.3	0.8
	+FPZ	17	28	35.6	1.4	1.5
10	+IPF	00	19	21.5	1.0	1.5
	+FPN	00	19	21.5	1.0	1.0
	FPZ	00	19	22.1		
	+IPF	06	40	44.5	1.6	4.0
	+IPN	06	40	44.8	1.0	2.0
	-IPZ	06	40	44.3	2.0	3.0
	FPE	19	16	30.2		
	FPN	19	16	30.0		
	EPZ	19	16	29.5		
11	FPE	00	18	20.0		
	FPN	00	18	21.5		
	+IPE	00	26	02.1	1.0	1.5
	-IPN	00	26	02.5	1.0	1.0
	-IPZ	00	26	02.3	1.0	1.6
	-ISE	00	26	35.1	1.3	3.5
	-ISM	00	26	34.8	1.0	1.5
	+ISZ	00	26	35.0	1.2	3.1
	-IPE	22	27	07.4	1.0	1.2
	FPN	22	27	09.7		
	+IPZ	22	27	07.7	0.9	0.8
12	FPE	00	01	01.9		
	FPN	00	01	01.0		
	FPZ	00	01	02.4		
	LP-SKKSE	17	16	16.3		
	LP-SKKSN	17	16	16.3	16.9	5.5
	LP+IXF	17	18	53.8	18.8	6.5
	LP+ISSE	17	26	38.8	18.8	6.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s					h	m	s			
JUN 13	EPE	12	37	19.4			JUN 14	FPZ	14	55	08.7			
	EPN	12	37	21.0			15	FPE	16	29	15.4			
	EPZ	12	37	20.9				IPN	16	29	15.0			
	EPE	12	59	41.4				FPZ	16	29	16.9			
	EPN	12	59	42.4			16	EPE	18	00	34.3			
	FPZ	12	59	42.4				FPN	18	00	35.8			
	LPE	13	43	58.4				FPZ	18	00	36.3			
	EPN	13	43	58.9			17	FPE	10	50	39.8			
	EPZ	13	43	58.9				EPN	10	50	39.3			
	FPE	15	38	51.9				EPZ	10	50	39.3			
	FPN	15	38	53.0				+FPE	18	23	57.3	0.8	1.0	
	EPZ	15	38	53.4				EPN	18	23	58.3			
	EPE	16	12	22.2				FPZ	18	23	58.3			
	EPN	16	12	23.6				EPE	20	52	50.3			
	FPZ	16	12	22.9				EPN	20	52	50.7			
	IPF	16	55	34.1				EPZ	20	52	52.3			
	EPN	16	55	34.4				18	-EPE	09	22	37.2	1.8	4.0
	EPZ	16	55	34.4				+FPN	09	22	36.3	2.0	3.0	
	+IPE	23	36	04.4	1.0	1.0		FPE	14	00	06.1			
	FPN	23	36	04.6				FPN	14	00	05.3			
	FPZ	23	36	04.4				EPE	19	38	02.1			
	14	EPE	02	13	51.4			EPN	19	38	01.5			
	EPN	02	13	51.4				FPZ	19	38	03.3			
EPZ	02	13	52.4				EPE	21	47	59.3				
EPE	07	35	21.4				EPN	21	47	59.3				
EPN	07	35	22.6				-EPZ	21	47	59.3	1.0	2.0		
EPZ	07	35	21.4				IPE	23	07	47.3				
-IPE	09	56	16.1	0.7	1.0		EPN	23	07	48.3				
EPN	09	56	16.4				FPZ	23	07	49.4				
EPZ	09	56	17.9				19	-IPE	03	02	29.3	1.5	4.5	
-IPE	13	31	03.2	1.1	1.0		-IPN	03	02	29.3	1.2	5.5		
+IPN	13	31	03.2	1.0	2.0		-IPZ	03	02	29.3	1.3	6.0		
+IPZ	13	31	03.2	1.0	2.0		LP+LRF	03	10	49.9	14.1	4.5		
LP EPE	13	31	03.8				LP+EXN	03	11	25.6	16.9	2.5		
LP EPN	13	31	03.8				FPE	23	10	18.7				
LP+ESE	13	36	16.9	12.9	4.0		FPN	23	10	19.7				
LP-ESN	13	36	16.9	12.9	2.5		EPZ	23	10	19.2				
LP+LRE	13	40	22.5	15.0	7.5		20	-IPE	06	47	11.2	1.0	1.0	
EPE	14	55	07.4				+IPN	06	47	11.2	1.0	1.5		
EPN	14	55	08.9				+IPZ	06	47	11.0	1.0	1.2		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
JUN 20	+IPE	07	26	32.7	1.5	5.5	
	-FPN	07	26	33.0	1.4	2.0	
	EPZ	07	26	34.0			
	+EPE	20	12	28.4	1.0	2.0	
	+FPN	20	12	29.2	0.8	1.0	
	EPZ	20	12	28.2			
	FPE	21	54	49.0			
	EPN	21	54	49.2			
	EPZ	21	54	49.0			
	21	EPE	07	01	00.7		
		FPN	07	01	00.2		
		EPZ	07	01	01.3		
		EPE	03	38	03.2		
		EPN	03	38	03.2		
EPZ		03	38	03.2			
FPE		15	56	12.2			
EPN		15	56	13.0			
EPZ		15	56	12.2			
22		-IPE	07	22	49.0	0.9	3.0
	+IPN	07	22	49.0	1.0	4.0	
	+IPZ	07	22	48.5	1.0	3.5	
	+EPE	08	25	32.0	4.0	4.5	
	+EPN	08	25	32.0	3.0	3.5	
	+EPZ	08	25	31.5	2.2	5.0	
	LP+LRF	08	55	01.9	19.0	2.5	
	IPE	13	22	38.4			
	IPN	13	22	36.4			
	IPZ	13	22	30.4			
	23	+EPE	06	03	55.2	1.2	2.2
EPN		06	03	55.6			
+EPZ		06	03	55.2	0.6	2.5	
-IPE		14	42	14.8	1.2	1.7	
+IPN		14	42	14.8	1.3	0.7	
-IPZ		14	42	14.8	1.0	1.5	
EPE		20	25	57.6			
EPN		20	25	56.6			
EPZ		20	25	57.6			
24		-IPE	20	40	53.6	2.4	13.0
	-IPN	20	40	53.6	2.0	3.0	
	+IPZ	20	40	53.6	2.2	12.0	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
JUN 24	-ISF	20	51	14.6	1.3	3.8	
	-ISM	20	51	14.3	1.2	4.0	
	ES7	20	51	15.8			
	LP-IPE	20	40	54.9	11.3	3.5	
	LP-IPPE	20	41	53.1	10.0	15.0	
	+ISF	20	45	56.9	2.6	2.0	
	-ISM	20	45	55.6	1.3	2.6	
	+ISZ	20	45	57.6	2.0	2.0	
	LP FSE	20	45	53.1	12.7	7.5	
	LP SCSE	20	50	00.5	18.8	13.5	
	-IPF	21	48	18.9	2.0	0.9	
	-IPN	21	48	18.6	1.6	1.0	
	-IPZ	21	48	18.6	1.7	1.6	
	-EPE	21	58	51.6	1.4	1.0	
	-FPN	21	58	50.6	1.0	0.2	
	-FPZ	21	58	50.6	1.0	0.5	
	LP-FPE	21	58	55.4	11.3	3.0	
	-IPE	23	39	02.6	1.2	2.4	
	FPN	23	39	03.1			
	+IPZ	23	39	02.7	1.0	2.0	
	25	IPE	05	14	58.6		
		-IPN	05	14	58.6	1.2	2.0
		LP+FSF	05	23	04.7		
		LP+LRF	05	31	12.2	20.6	16.0
+IPE		12	23	30.1	1.6	6.0	
FPN		12	23	30.4			
LP+LRF		12	28	17.9	20.6	2.5	
+IPE		17	31	15.2	2.2	4.2	
+IPN		17	31	15.2	2.2	2.0	
+IPZ		17	31	15.2	2.0	4.0	
LP-IPE		17	31	15.2	11.3	9.0	
LP-FPPE		17	33	17.3	13.3	7.5	
LP+FPFSE		17	36	45.2	11.3	6.5	
LP+ISF		17	38	30.7	16.2	22.0	
LP-SCSE	17	41	31.1	9.4	7.0		
26	LP-ELSE	17	43	39.6	22.5	37.0	
	-IPF	04	04	52.6	1.5	5.0	
	-IPN	04	04	53.2	1.2	0.8	
	+IPZ	04	04	52.7	1.5	3.2	
	IPE	06	05	42.7			

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s					h	m	s		
JUN 26	IPN	06	05	40.7			JUN 30	FSF	08	56	20.5		
	FPZ	06	05	42.9				ESN	08	56	21.0		
27	-IPF	23	45	57.0	1.8	4.0	+ISZ	08	56	21.0	1.0	1.0	
	+IPN	23	45	56.7	1.1	5.5	EPE	17	36	18.0			
	-IPZ	23	45	57.2	2.0	5.0	FPN	17	36	17.5			
	+ISE	23	54	24.2	1.0	2.0	EPZ	17	36	19.0			
	+ISN	23	54	23.9	2.0	2.0	EPE	14	51	39.0			
	ESZ	23	54	24.2			FPN	14	51	37.2			
	EPE	07	59	23.0			-IPE	17	03	32.0	1.5	4.0	
	IPZ	07	59	23.0			+IPN	17	03	32.8	1.0	2.0	
	ESE	08	09	51.2			+IPZ	17	03	32.0	0.6	0.6	
	FSN	08	09	50.2			ESF	17	13	06.0			
28	LP+ESE	08	09	53.5	7.6	3.5	FSN	17	13	03.0			
	LP+EX1E	08	34	45.1	26.3	3.0	FSZ	17	13	03.0			
	LP+EX2E	08	38	13.2	21.6	4.0	EPF	18	30	54.0			
	EPE	16	59	26.1			FPN	18	30	55.5			
	EPN	16	59	27.1			FPZ	18	30	56.3			
	EPZ	16	59	26.1			FPE	19	28	43.0			
	EPE	17	02	49.5			EP7	19	28	40.0			
	EPE	02	44	25.1			IPE	23	20	47.7			
	EPN	02	44	25.1			-IPN	23	20	48.0	1.0	2.0	
	EPZ	02	44	25.1			+IPZ	23	20	47.5	2.0	3.0	
29	IPE	18	02	08.1			LP-LRF	23	29	11.3	17.8	5.5	
	IPN	18	02	07.1			EPE	03	49	07.2			
	IPZ	18	02	10.1			FPN	03	49	05.6			
	+IPF	22	49	43.0	1.0	1.0	EPZ	03	49	07.0			
	EPN	22	49	44.0			EPE	10	10	00.9			
	EPZ	22	49	45.0			EPN	10	10	01.9			
	EPE	00	25	37.0			EPZ	10	10	01.9			
	EPN	00	25	36.0			EPE	07	23	56.9			
	EPZ	00	25	37.0			EPN	07	23	56.9			
	EPE	06	59	22.0			FPZ	07	23	56.9			
30	EPN	06	59	22.2			EPE	12	53	31.9			
	EPZ	06	59	22.0			FPN	12	53	31.9			
	EPE	08	00	15.0			EPZ	12	53	32.9			
	EPN	08	00	15.0			FPE	20	49	40.9			
	FPZ	08	00	13.0			FPN	20	49	40.9			
	+IPE	08	46	22.0	1.6	2.1	EPZ	20	49	42.9			
	-IPN	08	46	21.5	1.2	1.5	+IPE	23	38	27.9	2.4	1.5	
	+IPZ	08	46	21.5	1.0	2.0	-IPN	23	38	27.9	2.0	2.0	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
JUL 02	+IPZ	23	38	27.9	2.0	2.0
03	EPE	20	14	30.9		
	EPN	20	14	31.4		
	EPZ	20	14	32.9		
	-FPE	21	48	48.6	1.1	1.6
	+EPZ	21	48	48.7	1.3	1.6
	-IPE	23	37	09.9	2.4	6.0
	+IPN	23	37	09.9	2.4	4.0
	-IPZ	23	37	09.9	2.0	6.6
	LP+IPF	23	37	14.9	11.3	3.0
	+FSE	23	47	09.7	2.6	3.0
	+ESN	23	47	14.9	1.7	1.0
	FSZ	23	47	12.9		
04	LP+ISE	23	47	12.1	10.3	17.5
	EPF	06	02	44.8		
	EPN	06	02	44.7		
	EPZ	06	02	44.8		
	EPF	07	33	04.7		
	EPN	07	33	04.8		
	EPZ	07	33	04.8		
	EPE	19	49	31.8		
	EPZ	19	49	32.9		
	+EPE	20	16	10.3	1.0	1.5
	EPN	20	16	09.8		
	EPZ	20	16	10.6		
	FPN	22	10	57.5		
	FPZ	22	10	57.0		
	FPE	22	32	46.1		
	FPN	22	32	46.6		
	EPZ	22	32	47.3		
05	EPN	05	08	48.4		
	+EPZ	05	08	48.1	1.0	1.0
	LP+LRE	05	30	39.2	15.0	5.0
	LP-LRZ	05	30	22.3	22.5	3.0
	FPE	08	31	33.5	1.0	1.5
	-IPN	08	31	33.4	1.2	2.5
	FPZ	08	31	33.4		
	-IPE	18	16	15.8	1.5	3.0
	+IPN	18	16	15.8	1.8	2.0
	+IPZ	18	16	15.3	1.5	1.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
JUL 06	FPE	12	32	30.3		
	EPN	12	32	30.8		
	EPZ	12	32	30.8		
	LP-LRZ	13	00	18	22.7	2.8
	FPE	13	41	08.7		
	EPN	13	41	07.5		
	EPZ	13	41	09.2		
	-FPE	14	57	45.7	1.3	6.0
	-IPN	14	57	46.2	1.2	2.2
	+EPZ	14	57	45.7	1.3	4.0
	FPE	20	18	06.2		
	FPN	20	18	06.8		
	FPZ	20	18	06.7		
	FPE	23	29	35.7		
	FPZ	23	29	37.7		
07	FPE	00	29	26.7		
	EPN	00	29	26.9		
	EPZ	00	29	28.7		
	FPE	00	45	13.7		
	FPN	00	45	13.7		
	EPZ	00	45	15.7		
	-EPE	20	10	52.4	1.0	1.2
	+EPN	20	10	53.1	1.1	1.0
	EPZ	20	10	53.7		
	FPE	21	05	24.4		
	FPZ	21	05	24.7		
	FPE	21	17	09.7		
	EPN	21	17	08.7		
	EPZ	21	17	10.7		
	FPE	21	35	19.7		
	EPN	21	35	19.7		
	FPZ	21	35	21.7		
	FPE	22	15	27.3		
	EPN	22	15	27.2		
	FPZ	22	15	28.2		
08	EPF	00	48	10.7		
	FPZ	00	48	13.2		
	-FPE	06	04	40.6	1.5	1.2
	+EPZ	06	04	39.6	1.6	2.0
	LP+LRZ	06	50	51.2	23.4	3.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s					h	m	s		
JUL 08	EPF	22	49	33.6			JUL 11	FPN	19	54	04.8		
	EPN	22	49	33.6				EPZ	19	54	07.0		
09	FPZ	22	49	35.6			12	EPE	00	57	36.8		
	FPE	00	49	56.4				EPN	00	57	36.5		
	FPN	00	49	56.6				EPZ	00	57	36.5		
	EPZ	00	49	57.6				FPE	01	47	05.5		
	EPE	06	37	21.1				FPN	01	47	06.5		
	EPN	06	37	21.1				EPZ	01	47	07.5		
	FPZ	06	37	16.6				FPE	09	23	27.5		
	EPE	10	13	02.8				EPN	09	23	27.3		
	EPN	10	13	04.6				EPZ	09	23	29.3		
	EPZ	10	13	03.6				+EPE	11	16	45.5	0.9	1.0
	FPN	16	27	03.6				FPN	11	16	45.5		
	EPZ	16	27	05.6				EPZ	11	16	46.5		
	EPE	17	49	23.6				EPE	12	19	42.5		
	EPN	17	49	24.6				FPN	12	19	43.4		
10	+EPN	02	29	40.6	1.0	0.8	EPN	14	17	16.3			
	EPZ	02	29	42.6			EPZ	14	17	12.8			
	FPE	03	31	57.0			FPE	22	25	26.5			
	EPN	03	31	57.1			-FPN	22	25	26.5	1.0	2.0	
	EPZ	03	31	58.5			FPZ	22	25	26.5			
	+IPE	16	29	39.5	1.0	3.0	-EPN	01	32	44.5	0.9	1.0	
	+IPN	16	29	39.5	1.6	3.0	-EPZ	01	32	44.0	2.0	1.5	
	+IPZ	16	29	39.5	1.4	3.0	LP-FPZ	01	32	44.3			
	EPN	18	39	35.5			+ESE	01	36	09.5	2.0	11.5	
	EPZ	18	39	33.5			+FSN	01	36	09.7	1.0	3.0	
	EPE	23	56	16.3			+ESZ	01	36	08.5	3.0	7.0	
	EPN	23	56	15.7			LP-EPPE	01	37	33.8	18.8	4.0	
	EPZ	23	56	17.3			LP+EPPZ	01	37	31.9	16.9	12.0	
	11	EPE	10	50	40.0			LP+SKSE	01	43	20.1	11.3	22.5
FPN		10	50	39.5			LP+PSZ	01	46	25.8	15.9	29.1	
EPZ		10	50	40.5			LP+PPSZ	01	47	19.5	17.8	54.0	
FPE		11	10	18.0			LP-LRZ	02	07	35.6	41.3	54.0	
EPN		11	10	18.4			FPE	03	54	55.5			
EPZ		11	10	19.5			EPN	03	54	56.0			
EPE		12	14	02.5			IPE	11	58	21.0			
EPN		12	14	00.5			IPN	11	58	21.5			
EPZ		12	14	00.5			IPZ	11	58	22.5			
EPE		17	00	48.0			EPE	12	03	01.5			
EPN		17	00	48.0			EPN	12	03	00.5			

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
JUL 13	EPZ	12	03	00.5			
	EPE	12	26	24.5			
	EPN	12	26	24.5			
	EPE	13	56	06.5			
	EPN	13	56	07.0			
	EPZ	13	56	08.5			
	-EPE	16	01	25.5	1.0	2.0	
	EPZ	16	01	23.0			
	+FPE	17	02	56.5	1.0	3.0	
	EPN	17	02	56.5			
	+FPZ	17	02	58.3	1.0	2.5	
	-EPE	19	36	42.0	1.0	1.5	
	EPN	19	36	42.5			
	+EPE	19	54	36.5	0.8	1.5	
	+EPN	19	54	36.8	0.6	0.7	
	+FPZ	19	54	37.2	0.5	0.3	
	+EPE	20	43	31.0	1.0	1.0	
	+EPN	20	43	30.8	0.9	0.5	
	EPZ	20	43	31.3			
	EPE	22	35	17.4			
	EPN	22	35	17.3			
	EPZ	22	35	17.9			
	14	-IPE	09	49	32.4	2.0	5.5
+IPN		09	49	35.1	1.0	1.5	
-IPZ		09	49	35.9	2.0	5.5	
+EPE		19	00	27.9	1.6	4.0	
-EPN		19	00	28.0	1.2	3.4	
+EPZ		19	00	27.9	1.5	7.0	
FPE		19	21	06.9			
EPN		19	21	06.9			
EPZ		19	21	06.9			
EPE		22	57	37.9			
EPN		22	57	37.9			
EPZ		22	57	39.4			
15-17 18		NO RECORD					
		EPE	11	17	54.1		
	EPN	11	17	56.1			
	EPZ	11	17	54.1			
	FPE	18	35	43.1			
	EPN	18	35	44.1			

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
JUL 18	LP-LRZ	18	59	29.1	24.4	4.0	
	EPF	19	43	44.1			
	EPN	19	43	43.1			
	FPZ	19	43	45.1			
	+EPE	20	38	19.6	1.0	4.0	
	EPN	20	38	18.1			
	+EPZ	20	38	20.1	0.9	1.0	
	EPE	21	48	38.1			
	EPN	21	48	36.6			
	EPZ	21	48	38.3			
	FPE	22	48	01.6			
	EPN	22	48	01.6			
	FPZ	22	48	02.1			
	19-24 24	NO RECORD					
		LP+ISF	08	49	12.2	11.3	5.5
	LP-FSSE	11	08	15.0	15.0	5.5	
	LP+FXF	11	09	48.0	19.7	34.0	
	EPE	19	23	00.0			
	-EPN	19	23	01.5	1.0	1.5	
	EPZ	19	23	01.0			
	25	EPE	16	02	53.9		
		EPN	16	02	55.9		
		FPE	17	30	43.9		
EPN		17	30	45.7			
26		EPF	01	09	20.9		
		EPN	01	09	20.9		
EPZ		01	09	21.9			
-EPF		09	11	52.9	1.0	2.0	
+EPN		09	11	52.8	1.0	1.2	
+FPZ		09	11	51.9	0.9	1.0	
EPN	11	36	28.9				
FPZ	11	36	30.4				
-IPF	13	13	45.4	1.7	4.0		
-IPZ	13	13	44.9	2.0	3.3		
27	IPF	13	08	13.3			
	EPN	13	08	13.2			
	-IPZ	13	08	12.8	1.0	1.5	
	EPE	13	54	07.8			
	EPN	13	54	06.8			
	FPE	21	31	43.8			

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
JUL 27	EPN	21	31	43.5		
	EPE	08	04	54.8		
28	+IPN	08	04	54.1	1.0	1.0
	-IPZ	08	04	54.0	1.0	1.0
	FPE	08	11	32.8		
	EPZ	08	11	32.5		
	LP-PKPZ	11	54	18.8	8.4	2.0
	LP-PP7	11	58	10.3	12.2	4.0
	LP+PKSZ	11	59	13.3	12.0	3.0
	FPN	13	41	16.8		
	EPZ	13	41	16.8		
	EPE	15	33	43.8		
	-EPZ	15	33	44.7	1.0	1.0
	-FPE	16	00	45.8	1.0	1.5
	EPN	16	00	44.6		
	FPZ	16	00	45.8		
	-EPE	16	09	48.3	0.6	1.5
	FPN	16	09	46.5		
	EPE	16	27	21.8		
	EPZ	16	27	23.3		
	FPE	16	56	30.6		
	FPN	16	56	31.8		
	FPZ	16	56	31.8		
	+EPE	17	12	37.8	1.0	1.0
	FPN	17	12	37.8		
	EPZ	17	12	39.6		
	EPE	17	23	52.8		
	EPN	17	23	53.3		
	EPN	18	32	24.6		
	FPZ	18	32	24.7		
	EPE	20	26	57.8		
	EPN	20	26	57.8		
	EPZ	20	26	57.1		
	LP+LRZ	21	02	39.8	16.4	2.5
29	EPE	02	26	07.8		
	EPN	02	26	09.3		
	FPZ	02	26	07.8		
	FPN	07	35	45.7		
	FPZ	07	35	46.2		
	LP+EPZ	07	35	56.0		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
JUL 29	LP-FX1Z	08	36	55.1	18.5	4.5
	LP-FX2Z	08	39	09.2	19.0	11.0
	FPE	10	02	48.2		
	FPN	10	02	47.7		
	FPZ	10	02	48.8		
	FPE	14	26	53.7		
	FPN	14	26	53.7		
	FP7	14	26	55.7		
	FPE	16	25	55.7		
	EPN	16	25	56.7		
	FPZ	16	25	56.7		
	EPE	17	38	23.7		
	FP7	17	38	24.2		
	FPE	18	19	32.7		
	FPN	18	19	32.7		
	EPZ	18	19	33.7		
	EPE	19	06	13.7		
	EPN	19	06	13.9		
	FPZ	19	06	15.7		
	FPE	19	24	40.6		
	FPN	19	24	41.2		
	FPZ	19	24	42.7		
	+FPE	19	58	45.4	1.0	1.5
	FP7	19	58	47.7		
	-IPF	22	26	07.2	1.5	2.0
	+IPN	22	26	07.2	1.2	2.0
	-IP7	22	26	07.3	1.2	3.0
	+FPE	22	35	39.2	2.0	2.5
	FPN	22	35	38.7	1.2	1.5
	FP7	22	35	39.7		
	EPE	23	30	14.2	0.6	1.5
	EPZ	23	30	15.7		
	FPN	04	21	16.2		
	FPZ	04	21	16.2		
	EPE	05	26	39.9		
	FPZ	05	26	37.9		
	+FSF	05	27	41.4	1.0	2.6
	+ESN	05	27	41.2	1.0	1.1
	+ES7	05	27	41.2	2.5	4.5
	LP+FXN	05	27	34.1		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
JUL 30	LP-EXZ	05	27	31.7	7.5	5.0
	-EXE	05	30	43.7	1.5	3.0
	-EXN	05	30	44.2	1.0	2.0
	+EXZ	05	30	43.2	1.3	3.5
	LP-EPPE	05	31	15.7		
	LP-EPPN	05	31	15.7	11.3	4.5
	LP-EPPZ	05	31	15.7	13.1	10.5
	LP+EXN	05	40	20.1	18.3	24.0
	LP+EXZ	05	40	18.3	16.6	45.5
	EPE	12	41	57.2		
	EPN	12	41	56.7		
	EPZ	12	41	58.7		
31	EPE	18	18	46.7		
	EPN	18	18	48.7		
	EPZ	18	18	47.7		
	FPE	18	35	15.9		
	EPN	18	35	14.4		
	EPZ	18	35	14.7		
	+FPE	21	55	09.7	2.0	1.5
	-EPN	21	55	11.1	0.6	1.0
	-EPZ	21	55	10.7	1.0	2.0
	-EPE	22	33	42.7	1.2	1.8
	-EPZ	22	33	42.7	1.2	1.9
	+IPE	00	41	18.0	0.8	1.0
IPN	00	41	19.2			
IPZ	00	41	18.7			
+ISE	00	42	04.0	1.0	1.5	
ISN	00	42	06.7			
+ISZ	00	42	04.0	1.0	1.5	
EPE	07	48	43.7			
EPZ	07	48	44.7			
EPN	09	19	26.2			
EPZ	09	19	28.7			
EPE	11	00	52.2			
EPN	11	00	50.2			
IPE	15	33	55.7			
+IPN	15	33	55.6	1.0	0.6	
-IPZ	15	33	55.7	1.0	0.5	
EPE	16	39	30.1			
EPN	16	39	30.7			

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
JUL 31	FPZ	16	39	31.0		
	+IPE	20	24	46.2	0.7	0.6
	+EPN	20	24	46.7	0.6	0.5
	EPZ	20	24	48.2		
	FPF	21	56	55.7		
	-FPN	21	56	55.7	0.7	0.6
	EPZ	21	56	57.7		
	FPF	22	43	26.7		
	EPN	22	43	28.2		
	FPZ	22	43	27.7		
	+FPE	00	13	41.3	0.6	0.9
	EPN	00	13	42.3		
AUG 01	EPZ	00	13	41.7		
	IPF	04	51	16.6		
	+IPN	04	51	15.6	0.9	1.5
	IPZ	04	51	16.3		
	FPE	17	54	10.7		
	FPZ	17	54	10.7		
	FPF	18	48	01.7		
	EPN	18	48	02.7		
	FPZ	18	48	03.7		
	IPE	19	18	53.7		
	-IPN	19	18	52.7	1.0	1.0
	IPZ	19	18	54.7		
-FPE	19	58	39.5	1.0	1.0	
02	EPN	19	58	39.2		
	EPZ	19	58	39.7		
	-FPF	22	58	52.4	0.9	1.3
	+FPN	22	58	53.7	1.0	1.0
	-FPZ	22	58	51.7	1.0	2.0
	EPF	23	05	15.4		
	EPN	23	05	15.7		
	EPZ	23	05	15.4		
	+FPE	23	45	41.2	0.0	1.5
	+EPN	23	45	41.2	0.8	1.0
	FPF	00	43	58.7		
	+FPN	00	43	59.7	1.0	1.0
EPZ	00	44	00.7			
FPF	02	26	00.6			
FPN	02	26	00.1			

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s					h	m	s			
AUG 02	EPZ	02	26	00.1			AUG 05	EPN	16	34	44.5			
	+IPF	10	33	17.1	1.2	1.2		EP7	16	34	44.5			
	-IPN	10	33	16.6	1.2	1.2		FPE	17	57	06.5			
	+IPZ	10	33	17.0	1.4	1.5		EPN	17	57	04.5			
	FPE	16	00	04.6				EPZ	17	57	05.5			
	EPN	16	00	05.1				EPE	00	46	13.9			
	EPZ	16	00	04.6				EPN	00	46	15.4			
	03	-EPF	04	47	58.2	1.2		0.8	EPZ	00	46	15.9		
		EPN	04	47	57.2				+IPF	16	53	33.4	1.3	1.5
		EPZ	04	47	58.1				EPN	16	53	34.9		
+FPE		11	46	12.6	1.4	1.0	+IPZ	16	53	33.4	1.3	2.0		
FPN		11	46	12.6			FPE	18	50	50.4				
-FPZ		11	46	14.6	1.0	1.1	EPN	18	50	50.4				
+FPE		15	58	01.5	1.0	0.5	EPZ	18	50	50.4				
EPN		15	58	59.5			+FPE	20	00	31.4	1.2	3.0		
EPZ		15	58	00.5			+EPN	20	00	31.7	1.0	1.0		
EPE		18	35	38.5			+EPZ	20	00	31.4	1.5	2.0		
04	EPN	18	35	38.5			07	EPE	10	23	57.9			
	+EPE	21	19	30.7	1.0	1.0		EPN	10	23	59.3			
	EPN	21	19	30.0				EP7	10	23	59.4			
	EPZ	21	19	31.3				FPE	13	50	06.4			
	EPE	21	27	11.0				EPN	13	50	05.9			
	EPN	21	27	10.5				EPZ	13	50	07.4			
	EPZ	21	27	12.5				EPE	21	14	59.4			
	+IPF	16	33	37.5	0.8	1.7		EPN	21	14	59.4			
	+IPN	16	33	37.5	0.8	1.5		08	EPE	02	14	53.4		
	IPZ	16	33	37.5					EPN	02	14	52.4		
-IPF	20	50	23.5	0.7	2.5	FPZ	02		14	52.9				
+IPN	20	50	24.0	1.0	2.0	FPE	05		57	13.4				
+IPZ	20	50	23.5	1.0	3.0	EPN	05		57	11.7				
IPE	21	13	11.7			FPZ	05		57	13.4				
EPN	21	13	11.5			-EPE	08		26	07.9	1.0	1.5		
EPZ	21	13	12.0			-EPN	08		26	07.4	1.0	1.3		
EPE	23	05	56.0			EPZ	08		26	08.4				
EPN	23	05	56.5			FPE	09		52	20.7				
05	EPZ	23	05	57.5			EPN	09	52	20.4				
	-IPE	00	52	49.5	0.7	1.0	FPZ	09	52	22.4				
	+IPN	00	52	49.5	1.0	2.0	+EPE	10	13	53.4	1.5	2.0		
	+IPZ	00	52	49.5			EPN	10	13	52.4				
	+EPE	16	34	43.5	1.0	0.8	EPZ	10	13	52.9				

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
AUG 08	FPE	11	18	22.4	26.3	4.0
	EPN	11	18	22.7		
	FPZ	11	18	24.4		
	LP-EXE	20	12	48.2		
	LP+EXN	20	12	50.0		
	LP-EXZ	20	12	40.7		
	FPE	23	40	05.4		
09	EPN	23	40	04.4	1.2	1.5
	+IPE	05	06	16.6		
	-IPN	05	06	17.4		
	-IPZ	05	06	17.4		
	+IPE	06	49	15.4		
	EPN	06	49	15.4		
	+EPZ	06	49	15.4		
	+FPE	13	36	35.4		
	FPZ	13	36	37.9		
	IPE	18	26	28.4		
10	-IPN	18	26	28.4	1.0	1.4
	+IPZ	18	26	28.4		
	-FPE	07	25	13.4		
	EPN	07	25	13.9		
	EPZ	07	25	13.7		
	EPE	09	36	20.4		
	EPN	09	36	20.4		
	EPZ	09	36	22.3		
	+FPE	10	01	05.0		
	-FPN	10	01	05.4		
11	-EPZ	10	01	04.6	1.2	5.0
	FPE	11	33	32.9		
	FPZ	11	33	31.6		
	-ISE	11	34	02.9		
	+ISN	11	34	02.9		
	ISZ	11	34	02.9		
	+IPE	11	43	26.7		
	+FPN	11	43	26.4		
	-EPZ	11	43	27.4		
	EPE	12	16	11.0		
12	IPN	12	16	10.4	2.0	6.5
	EPZ	12	16	09.4		
	FPE	15	10	00.4		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
AUG 10	FPN	15	10	59.7	14.1	2.0
	FPF	01	32	32.6		
11	FPZ	01	32	32.6	13.1	4.0
	LP-IXF	01	33	12.5		
12	LP-IXN	01	33	12.5	1.1	0.6
	LP-IXZ	01	33	12.5		
13	+FSF	01	39	14.0	2.1	2.0
	+FSN	01	39	16.3		
14	FSZ	01	39	15.0	0.6	1.0
	FXF	01	43	32.4		
15	FXN	01	43	28.4	11.3	7.5
	-IXZ	01	43	29.9		
16	LP-EXE	01	42	42.5	15.0	10.0
	LP-FXN	01	42	40.7		
17	LP-FXZ	01	42	40.7	17.8	15.0
	FPE	08	12	52.3		
18	FPN	08	12	50.3	0.8	1.0
	+FPE	12	59	36.9		
19	FPN	12	59	37.3	1.0	1.3
	FPZ	12	59	38.6		
20	EPE	13	24	33.5	1.0	1.3
	EPN	13	24	35.3		
21	FPZ	13	24	34.3	1.0	1.3
	EPE	13	43	58.8		
22	FPZ	13	43	58.3	1.0	1.3
	EPE	14	01	12.2		
23	EPN	14	01	12.2	1.0	1.3
	+EPE	14	45	42.3		
24	FPZ	14	45	41.3	22.2	2.5
	EPF	18	12	47.3		
25	EPN	18	12	46.3	22.2	2.5
	FPZ	18	12	47.3		
26	EPE	21	41	00.3	22.2	2.5
	FPN	21	41	02.3		
27	LP-LRE	22	18	39.9	22.2	2.5
	LP-LR7	22	18	41.8		
28	EPF	02	52	02.3	1.6	2.0
	FPN	02	52	01.3		
29	FPZ	02	52	02.3	1.6	2.0
	+IPE	03	05	39.7		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s					h	m	s			
AUG 12	+IPN	03	05	40.2	1.3	1.5	AUG 13	+EPE	16	20	26.2	0.6	1.0	
	+IPZ	03	05	39.3	1.6	3.0		EPN	16	20	26.2			
	LP-FSE	03	16	36.2				EP7	16	20	26.7			
	LP-ESN	03	16	36.2	11.1	3.0		FPE	17	58	46.1			
	LP-ESZ	03	16	36.2	14.7	1.5		EPN	17	58	47.8			
	LP+FXN	03	17	53.6	11.4	2.5		FPZ	17	58	47.1			
	LP-EXZ	03	17	53.6	11.4	3.0		14	FPF	05	51			11.1
	EPE	03	31	19.2					FPN	05	51			10.1
	FPN	03	31	17.2					FPZ	05	51			12.1
	FPZ	03	31	19.2					+FPE	05	54			41.1
FPN	22	18	21.2			+IPZ	05		54	40.6	1.6	2.0		
FPZ	22	18	21.2			FPE	14		16	41.5				
13	FPE	04	04	21.8			EPN		14	16	39.2			
	FPN	04	04	22.4			+FPE		15	58	05.6	1.0	1.0	
	FSE	04	06	32.2			FPN		15	58	05.2			
	-ESN	04	06	30.0	1.2	3.5	FPZ		15	58	06.2			
	+ESZ	04	06	31.8	1.8	4.0	IPE	18	07	20.2				
	-EXE	04	16	48.2	1.2	1.0	+IPN	18	07	20.2	0.8	1.0		
	+FXZ	04	16	48.8	1.4	1.0	+IPZ	18	07	20.2	0.6	1.0		
	EPE	07	43	21.2			15	FPE	09	01	33.1			
	EPN	07	43	23.2				EPN	09	01	35.6			
	FPZ	07	43	21.2				-FPF	12	00	28.6	1.5	1.2	
EPE	13	05	48.2			FPN		12	00	29.1				
FPN	13	05	48.7			EPZ		12	00	30.6				
EPZ	13	05	47.7			+FPE		15	31	41.1	0.6	0.6		
-IPE	13	54	31.8	1.7	1.5	FPN		15	31	40.2				
+FPN	13	54	31.2	1.5	1.0	EP7		15	31	41.1				
+IPZ	13	54	31.2	1.6	1.0	EPE		04	36	31.6				
-IPE	14	53	55.2	1.0	0.5	FPN		04	36	31.3				
-IPN	14	53	56.2	1.5	0.7	+FPZ	04	36	31.1	1.0	0.6			
+IPZ	14	53	55.7	1.2	0.6	-IPE	18	37	56.9	1.0	3.0			
LP+EPE	15	00	43.0	13.3	5.0	+IPN	18	37	57.1	1.0	2.5			
LP-EPN	15	00	39.2	13.3	1.5	IPZ	18	37	56.7					
LP+EPZ	15	00	46.8	11.4	3.0	+FPE	21	19	50.1	1.0	1.0			
LP+ESE	15	11	42.3	17.8	14.0	EPN	21	19	49.1					
LP-FSN	15	11	18.0	16.9	9.5	FPZ	21	19	50.1					
LP+ESZ	15	11	23.6	19.7	19.5	16	-IPE	10	01	18.5	1.6	1.0		
-IPE	15	16	17.2	1.7	2.0		+FPN	10	01	18.5	1.0	0.2		
-EPN	15	16	17.2	1.2	1.0		FPN	13	42	19.7				
-IPZ	15	16	17.4	1.5	3.0		FPZ	13	42	19.5				

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s					h	m	s		
AUG 16	IPE	17	09	35.8			AUG 20	-IPZ	13	20	01.9	1.0	1.5
	+IPN	17	09	35.7	0.6	1.3		+FPF	14	11	42.9	1.0	0.6
	IPZ	17	09	35.5				+FPN	14	11	43.9	1.0	0.4
17	+IPE	05	32	45.0	1.0	4.0		+FPZ	14	11	41.9	1.0	0.6
	-IPN	05	32	45.6	0.6	1.0		-FPF	21	05	52.4	1.0	2.2
	IPZ	05	32	45.0				+IPN	21	05	52.4	1.2	1.5
17-18	NO RECORD						22	-IPE	08	11	23.9	1.0	1.0
18	+IPE	23	17	51.0	1.2	1.8		+IPN	08	11	23.9	1.0	1.3
	EPN	23	17	51.0				+IPZ	08	11	23.9	1.0	1.0
	+IPZ	23	17	51.2	1.2	1.5	23	+IPE	05	02	42.4	0.7	2.0
19	IPE	12	05	28.0				-IPN	05	02	42.9	0.7	0.5
	IPN	12	05	27.0				+IPZ	05	02	42.1	2.0	2.0
	FPZ	12	05	28.0				LP+FPZ	05	02	43.0	9.4	3.5
	+IPE	12	11	41.8	1.0	1.0		+ISF	05	12	41.9	3.0	3.0
	+IPN	12	11	42.0	1.0	2.0		+ISN	05	12	42.0	2.4	2.0
	IPZ	12	11	42.0				LP+ESE	05	12	43.0	7.5	4.5
	+FPF	16	29	12.2	0.5	0.5		LP+FXF	05	13	37.5	11.3	4.0
	+EPN	16	29	12.8	0.7	0.5		-IPE	10	44	23.9	0.6	1.0
	+EPZ	16	29	13.0	0.6	0.5		+IPN	10	44	23.7	0.5	0.7
	-EPE	21	38	36.5	1.0	0.6		-IPZ	10	44	23.9	0.7	0.5
	+EPN	21	38	38.0	1.3	0.6		-IPF	12	11	52.9	1.0	3.0
	+EPZ	21	38	38.0	1.0	0.5		-IPN	12	11	52.9	1.0	1.5
	+FPF	21	45	43.6	1.3	2.5		+IPZ	12	11	52.9	1.5	4.5
	+EPN	21	45	42.0	0.8	0.8	23-24	NO RECORD					
	+EPZ	21	45	43.6	1.0	0.5	24	-IPF	19	09	10.9	1.0	6.0
	+IPE	21	48	38.2	1.0	3.5		-IPN	19	09	11.3	1.0	3.0
	+IPN	21	48	38.5	1.0	2.0		+IPZ	19	09	11.4	0.6	5.5
	-IPZ	21	48	38.2	1.0	5.0		+IPF	20	08	53.9	1.0	0.6
20	-EPE	06	41	03.4	0.8	0.9		-IPN	20	08	54.9	0.6	0.5
	+EPN	06	41	02.4	1.0	0.2		-IPZ	20	08	53.9	1.0	0.2
	+EPZ	06	41	02.7	0.7	0.3	25	+EPE	01	37	35.9	1.4	0.6
	-FPF	08	44	29.5	1.0	0.5		-EPZ	01	37	35.5	1.5	1.1
	+FPN	08	44	31.9	0.6	0.5		+FPF	03	40	37.9	1.5	1.5
	+FPE	09	51	53.4	0.5	0.6		-FPN	03	40	37.9	1.0	1.0
	+EPN	09	51	52.8	0.6	0.4		+FPZ	03	40	37.8	1.7	1.3
	+EPZ	09	51	54.4	0.6	0.2		+FPF	07	06	25.9	1.0	0.6
	-FSF	09	52	26.9	0.5	1.0		+FPN	07	06	26.9	1.0	0.5
	-FSN	09	52	28.9	1.0	0.7		+EPZ	07	06	24.9	1.0	0.1
	+IPE	13	20	01.9	1.0	1.8		-IPF	12	03	54.3	1.2	1.8
	+IPN	13	20	02.3	1.0	1.8		+IPN	12	03	53.9	0.6	0.3

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)		
		h	m	s					h	m	s				
SEP 02	-IPN	19	17	07.2	1.0	1.0	SEP 10	+IP7	21	27	43.0	1.5	0.3		
	-FPZ	19	17	08.3	0.6	0.5		+IPF	01	28	52.0	1.2	1.6		
	+ESF	19	18	44.7	1.0	0.5		-IPN	01	28	51.9	1.2	2.0		
	+ESN	19	18	44.7	0.6	0.2		+IPZ	01	28	51.8	1.6	2.0		
	+ESZ	19	18	49.7	1.0	0.5		+FPF	16	43	57.0	1.2	0.5		
	+IPE	23	08	19.7	0.8	0.5		+FPN	16	43	57.1	0.5	0.3		
	-IPN	23	08	19.7	1.0	0.6		-FPZ	16	43	58.5	0.5	0.5		
	-IPZ	23	08	20.4	1.0	0.3		+IPF	19	28	23.5	1.2	1.4		
	03	+IPF	02	05	29.6	1.0		1.5	+IPN	19	28	25.5	0.5	0.4	
		+FPN	02	05	29.6	1.0		0.5	+IPZ	19	28	23.5	1.3	1.5	
		+IPZ	02	05	29.2	1.0		2.0	+FPF	03	42	21.0	0.9	0.6	
		+FXN	06	13	32.0	1.0		0.2	+EPN	03	42	22.0	0.6	0.3	
		-FXZ	06	13	34.0	1.0		0.4	+FPZ	03	42	22.7	1.0	0.5	
		-FXF	06	13	31.0	1.0		0.5	-FPF	12	16	23.7	1.2	0.7	
-LPE		14	24	40.6	1.0	1.0	-FPN	12	16	23.0	1.0	0.5			
-FPN		14	24	42.6	1.0	0.6	+FPZ	12	16	23.5	1.0	0.7			
-FPZ		14	24	42.6	1.0	0.3	13	-IPE	08	12	43.5	1.5	1.1		
+FPE		05	45	05.6	1.3	1.0		+FPN	08	12	45.0	1.5	0.4		
04	+EPN	05	45	04.2	1.0	0.2	+IPZ	08	12	43.0	1.7	1.5			
	+EPZ	05	45	05.2	0.8	0.2	+FXN	08	12	50.5	1.5	2.0			
	LP LRE	07	19	56.7	25.2	3.5	-FPE	10	53	56.0	1.0	0.3			
	LP LRN	07	19	56.7	25.2	3.0	-FPN	10	53	58.0	0.5	0.5			
	+FPE	07	40	30.6	1.0	0.5	+FPZ	10	53	57.0	1.2	0.4			
	+EPN	07	40	29.6	0.8	0.3	+FPE	20	10	31.9	1.2	2.0			
	-FPZ	07	40	30.9	0.6	0.3	-FPN	20	10	30.0	0.6	0.6			
	+IPF	08	10	53.3	1.5	1.7	-EPZ	20	10	31.9	0.8	0.6			
	+IPN	08	10	52.6	1.0	1.0	+FPF	01	30	19.8	0.9	0.5			
	-IPZ	08	10	53.1	1.0	1.5	+IPN	01	30	19.0	0.8	1.0			
	04-08	NO RECORD						14	+IPZ	01	30	20.5	1.0	0.5	
		08	-IPF	19	54	03.5	1.0		1.5	+IPF	05	32	33.6	0.8	1.0
			+IPN	19	54	02.0	1.0		0.7	-IPN	05	32	32.8	0.9	1.2
		10	-IPZ	19	54	03.0	1.0		0.5	-IPZ	05	32	33.0	0.6	0.4
+FPE			09	50	09.5	0.5	0.3		-IPF	07	43	57.0	1.0	0.6	
+EPN			09	50	08.0	0.7	0.5		+IPN	07	43	56.5	1.0	1.5	
+FPZ			09	50	09.5	1.0	0.3		+EPZ	07	43	57.5	0.6	0.3	
+IPE			21	18	00.0	0.8	1.0		-IPE	20	46	30.0	1.6	2.3	
-IPN			21	17	59.4	1.0	1.0		-IPN	20	46	30.0	1.1	1.5	
+IPZ			21	18	00.0	0.8	1.5		+IPZ	20	46	30.0	1.2	1.5	
+IPF	21		27	44.3	1.6	1.0	15	+IPF	00	49	16.0	1.1	12.0		
+IPN	21	27	43.2	1.3	1.0	+IPN		00	49	16.0	1.2	5.0			
04-08	NO RECORD						16								
	NO RECORD														

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
SEP 16	+IPZ	00	49	16.0	1.0	6.0	
	+FPE	00	58	22.0	3.0	5.0	
	+EPN	00	58	20.5	1.6	1.2	
	-EPZ	00	58	22.0	1.5	1.5	
	-FPE	02	55	36.0	1.0	0.5	
	+EPN	02	55	37.0	1.0	0.5	
	-EPZ	02	55	37.0	1.2	0.3	
	+FPE	03	31	04.7	1.5	2.0	
	-EPN	03	31	05.3	1.0	0.5	
	-EPZ	03	31	05.5	0.7	0.4	
	-EPF	09	38	24.0	0.2	0.5	
	-EPN	09	38	24.0	1.2	0.7	
	+EPZ	09	38	24.0	1.0	0.4	
	-IPE	21	15	20.0	1.0	1.6	
	+IPN	21	15	20.1	0.8	1.0	
18	-IPZ	21	15	20.0	1.0	3.0	
	-EPE	11	37	58.0	0.7	0.5	
	-EPN	11	37	58.8	0.6	0.5	
	+EPZ	11	37	58.5	0.5	0.2	
	+EPE	18	39	54.0	1.5	0.5	
	+EPN	18	39	55.0	1.1	0.2	
	+EPZ	18	39	54.0	1.0	0.5	
	19	+IPE	10	24	57.0	1.6	4.0
		+IPN	10	24	57.3	1.0	1.0
		-IPZ	10	24	57.0	1.0	1.2
20		+EPE	08	09	35.5	1.0	1.0
		-EPN	08	09	34.9	1.0	0.6
		+EPZ	08	09	35.0	0.9	0.5
		+EPE	10	41	30.0	1.0	1.5
		-EPN	10	41	29.8	0.6	1.0
		+EPZ	10	41	29.5	1.0	1.2
		+IPE	19	36	52.5	1.6	1.0
	-IPN	19	36	52.2	1.6	2.5	
	+IPZ	19	36	52.5	2.0	2.0	
	+IPE	19	58	49.0	1.0	2.0	
-IPN	19	58	49.0	1.0	1.0		
+IPZ	19	58	48.5	1.1	1.5		
-IPE	21	33	01.0	1.0	2.0		
+IPN	21	33	01.3	0.8	0.6		
-IPZ	21	33	01.0	0.8	2.2		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
SEP 20	+ISE	21	43	17.0	2.2	0.8	
	+ISM	21	43	18.4	2.1	1.5	
	+IS7	21	43	19.8	2.2	1.0	
	21	LP-ISF	21	43	25.3		
		+IPE	01	51	27.3	1.0	1.2
		+IPN	01	51	27.4	1.0	1.5
		+IPZ	01	51	27.4	1.0	1.5
		+IPF	03	25	33.0	1.0	1.5
		+IPN	03	25	35.5	0.8	0.7
		+IPZ	03	25	33.3	1.8	1.8
LP+LRF		04	01	26.3	17.8	2.5	
+IPE		05	13	26.9	1.0	1.8	
+IPN		05	13	27.0	0.6	0.4	
+IPZ	05	13	27.0	1.1	1.5		
-IPF	06	06	05.0	1.4	4.5		
+IPN	06	06	05.0	1.3	4.0		
-IPZ	06	06	05.0	1.2	3.0		
LP+LRF	06	30	28.1	20.6	6.5		
+IPE	06	36	04.0	1.6	2.8		
+IPN	06	36	05.0	1.5	4.5		
+IPZ	06	36	04.3	2.0	2.0		
-EPE	11	18	05.0	1.2	1.5		
+FPN	11	18	06.3	0.5	0.7		
+FPZ	11	18	06.0	2.0	0.8		
+EPF	12	22	51.0	1.2	0.5		
+EPN	12	22	50.5	0.8	0.4		
+EPZ	12	22	50.5	1.0	0.4		
-IPE	12	52	51.0	1.2	2.0		
+IPN	12	52	50.5	1.1	1.8		
-IPZ	12	52	50.5	1.0	2.5		
LP-IXF	13	03	15.0	14.1	6.5		
LP-IXN	13	03	13.1	13.1	14.0		
LP-FXF	13	26	55.4	20.3	12.0		
LP EXZ	13	26	50.6	17.8	11.5		
+IPF	16	14	26.0	1.3	1.1		
+IPN	16	14	26.0	0.9	0.3		
+IPZ	16	14	26.0	1.6	1.5		
+IPE	17	16	44.0	3.0	2.0		
-IPN	17	16	45.0	1.4	1.5		
-IPZ	17	16	44.5	1.5	2.0		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
SEP 22	+IPE	04	23	26.0	1.2	1.5	
	+IPN	04	23	25.5	1.2	1.1	
	+IPZ	04	23	26.0	1.1	2.0	
	-FPE	11	43	14.9	1.2	1.0	
	-EPN	11	43	14.9	0.8	0.5	
	-EPZ	11	43	14.9	1.5	1.3	
23	-IPE	19	39	33.4	1.6	2.0	
	-IPN	19	39	33.0	1.0	1.0	
	-IPZ	19	39	33.0	0.8	0.7	
24	LP+LRN	20	05	33.3	21.0	3.0	
	+EPE	00	03	51.5	1.5	0.2	
	-EPN	00	03	52.1	0.5	0.6	
	+FPZ	00	03	53.0	0.9	0.2	
	+ISF	00	04	29.0	0.7	1.0	
	+ISN	00	04	28.3	0.8	0.6	
	+ISZ	00	04	29.0	1.0	1.3	
	+IPE	01	39	12.5	1.0	1.2	
	+IPN	01	39	10.8	1.1	1.0	
	+IPE	05	50	00.0	1.0	1.0	
	+IPN	05	50	02.0	1.0	0.5	
	+IPE	12	51	00.7	1.1	1.0	
	-IPN	12	51	03.7	0.7	1.0	
	-IPZ	12	51	03.8	0.5	0.5	
	25	+EPE	03	20	52.2	0.8	1.0
		+FPN	03	20	51.7	1.0	0.6
		+EPZ	03	20	51.7	1.5	0.7
		-EPE	08	35	56.6	1.5	4.0
-EPN		08	35	59.5	1.0	0.5	
+FPZ		08	35	56.7	1.0	1.0	
-ISF		08	40	12.5	2.0	1.4	
-ISN		08	40	11.0	0.8	2.0	
+ISZ		08	40	11.5	0.8	0.5	
LP-FSE		08	40	18.2	14.6	8.5	
LP-FSN		08	40	27.3	11.8	4.5	
+EPE		09	15	13.0	0.8	0.5	
+FPN		09	15	14.6	0.8	0.5	
-FPZ		09	15	13.5	1.0	0.3	
+IPE		16	02	34.4	2.0	3.5	
-IPN	16	02	35.5	1.7	1.0		
-IPZ	16	02	35.0	2.0	1.2		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
SEP 25	+IPE	17	14	46.0	1.5	1.5	
	-EPN	17	14	46.0	1.5	0.6	
26	+IPZ	17	14	46.1	1.1	1.5	
	-IPF	15	13	28.5	1.1	1.5	
	+IPN	15	13	28.5	1.0	1.5	
	+IPZ	15	13	28.1	1.3	2.0	
	+IPE	15	24	39.8	1.0	2.0	
	+IPN	15	24	39.5	1.4	3.0	
	+IPZ	15	24	39.3	1.0	0.2	
	+FPE	17	34	37.5	0.9	0.8	
	+FPN	17	34	38.0	1.0	0.5	
	+FPZ	17	34	38.0	1.0	0.2	
27	-IPE	03	29	04.0	1.2	1.0	
	-IPN	03	29	03.5	0.7	0.2	
	+IPZ	03	29	03.3	1.3	1.0	
	LP+LRE	04	57	11.3			
	LP+LRN	04	57	11.3	18.8	3.0	
	LP+FXE	06	10	23.4	13.1	7.5	
	LP+FXN	06	10	20.6			
	+IPE	12	00	45.0	1.1	0.9	
	+IPN	12	00	45.8	1.0	0.6	
	+FPZ	12	00	46.0	1.0	0.4	
	28	+IPF	00	04	35.0	2.0	2.0
		+IPN	00	04	35.0	2.5	2.3
-IPZ		00	04	36.3	1.2	0.6	
+EPE		09	24	48.5	0.2	0.5	
+EPN		09	24	48.5	1.2	0.5	
+FPZ		09	24	47.5	1.2	0.2	
-EPE		12	23	23.8	0.7	0.8	
+EPN		12	23	24.8	0.7	0.4	
+FPZ		12	23	24.0	0.9	0.5	
-EPE		14	13	22.3	0.6	0.4	
+IPN		14	13	21.0	1.0	0.8	
+EPZ		14	13	22.0	0.8	0.3	
29	+IPF	19	30	15.4	1.0	1.0	
	+IPN	19	30	14.8	0.6	0.5	
	+IPZ	19	30	16.8	0.6	0.5	
	+IPE	19	40	11.8	2.0	1.0	
	+EPN	19	40	11.3	0.5	0.5	
	+EPE	20	54	25.8	1.8	1.0	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s					h	m	s			
SEP 29	-FPN	20	54	26.8	1.0	0.5	OCT 04	+IPN	04	09	11.1	0.6	2.0	
	+FPZ	20	54	27.4	1.0	0.3		+IPZ	04	09	11.0	1.0	6.0	
	+EPE	23	59	03.9	0.6	0.5		-FPE	08	07	01.0	1.1	0.5	
	+FPN	23	59	03.4	1.0	0.5		+EPN	08	07	00.5	0.5	0.5	
	+FPZ	23	59	02.9	1.0	0.2		+EPZ	08	07	01.0	0.6	0.2	
	30	+IPE	06	29	58.7	0.8		2.0	-EPE	08	38	18.1	0.5	0.6
		+IPN	06	29	57.9	0.6		0.8	-FPN	08	38	18.3	0.5	0.6
		+IPZ	06	29	58.7	0.5		1.0	+FPZ	08	38	19.6	0.5	0.5
		+IPE	09	50	44.7	0.8		1.0	-FPE	22	55	11.8	1.0	1.0
		+IPN	09	50	43.7	0.4		0.5	+FPN	22	55	10.5	1.0	0.5
OCT 01	+IPZ	09	50	44.7	0.5	0.5	+EPZ	22	55	10.9	1.3	1.5		
	NO RECORD						LP+LRN	23	11	09.2	28.1	3.0		
	+FPN	17	08	55.5	0.5	0.5	LP+LRZ	23	11	09.2	24.4	2.5		
	+FPZ	17	08	55.7	1.0	0.2	06	+FPE	23	43	19.4	1.5	1.2	
	+EPE	17	08	53.7	0.8	0.5		+FPN	23	43	20.2	1.1	0.8	
	02	-IPN	23	31	12.2	0.6	0.6	-FPZ	23	43	19.6	1.0	0.4	
		+IPZ	23	31	12.5	0.5	0.4	07	+IPE	21	58	51.5	1.3	1.1
		+IPE	23	31	12.0	0.6	0.5		+IPN	21	58	52.0	1.0	0.6
		+IPN	03	30	20.7	0.9	1.0	+IPZ	21	58	51.0	1.5	0.6	
		+IPZ	03	30	20.7	1.0	1.0	-ISF	22	03	28.0	2.0	4.5	
+IPE		03	30	20.5	0.8	0.5	+ISM	22	03	29.0	1.5	4.5		
-IPN		10	20	13.1	0.6	0.5	-ISZ	22	03	30.0	1.5	4.0		
-FPZ		10	20	15.2	0.5	0.5	LP-EPPPE	22	00	05.5	12.9	4.5		
+IPE		10	20	12.9	0.5	0.5	LP-FPPPN	22	00	03.8				
+EPE		14	19	02.2	0.9	0.5	LP+IPPPZ	22	00	03.8	11.3	3.5		
03	+EPN	14	19	02.5	1.0	0.5	LP+ESE	22	03	37.5	12.2	21.5		
	-EPZ	14	19	02.7	1.1	1.0	LP-FSN	22	03	35.6	11.3	18.0		
	-IPE	14	34	19.4	1.0	1.8	LP+ESZ	22	03	37.5	6.6	3.5		
	-IPN	14	34	19.7	0.8	1.0	-IPE	09	50	52.0	2.4	3.6		
	+IPZ	14	34	19.7	1.3	2.2	+IPN	09	50	52.0	2.0	1.1		
	-FSE	14	45	46.2	3.3	8.5	+IPZ	09	50	52.0	1.8	1.4		
	+ESN	14	45	46.7	1.5	1.5	LP-IPF	09	50	53.5	7.4	5.0		
	+FSZ	14	45	44.7	2.0	1.4	LP+IPN	09	50	53.5	7.4	3.5		
	LP-IPE	14	34	23.3	11.8	22.0	LP+IPZ	09	50	53.4	7.5	4.5		
	LP-IPN	14	34	23.3			LP-ISF	09	54	53.5	12.9	7.0		
04	LP+IPZ	14	34	22.2	10.9	41.0	LP+ISN	09	54	53.5	11.3	8.0		
	LP-ISF	14	44	57.9	9.1	40.0	LP-ISZ	09	54	53.5	11.1	5.0		
	LP-ESN	14	44	56.0			-EPE	10	49	06.2	0.8	2.0		
	LP+FSZ	14	44	52.2	15.0	45.0	+FPN	10	49	05.0	0.6	0.5		
	+IPE	04	09	10.9	1.0	5.0	-EPZ	10	49	05.0	0.6	0.5		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
OCT 08	-FPE	11	05	13.6	1.0	0.6
	-FPN	11	05	15.6	0.5	0.5
	+EPZ	11	05	15.0	0.9	0.5
09	LP EXE	07	51	28.1		
	LP-EXZ	07	51	26.1		
	LP+FXE	07	54	31.9		
	LP+EXZ	07	54	29.1	13.1	5.0
	+IPE	09	15	26.0	0.8	0.5
	+IPN	09	15	26.5	0.7	1.0
	-IPZ	09	15	26.0	0.3	0.2
	+FPE	10	07	57.0	0.9	0.5
	-FPN	10	07	56.0	1.0	0.5
	+EPZ	10	07	56.6	1.3	0.3
10	+IPE	17	14	03.4	1.2	4.5
	+IPN	17	14	03.7	1.0	0.8
	+IPZ	17	14	03.5	0.8	1.8
	+IPF	21	44	03.5	1.8	2.0
	+IPN	21	44	05.0	0.6	0.5
	+IPZ	21	44	03.4	1.6	1.6
11	+IPE	08	41	42.0	2.4	1.1
	-IPN	08	41	43.5	2.5	1.0
	+IPZ	08	41	42.0	2.1	1.3
	+FPE	22	11	10.0	1.4	1.4
	-IPN	22	11	11.0	1.3	1.0
	+IPZ	22	11	11.0	1.2	1.5
12-17	NO RECORD					
18	+FPF	11	51	14.1	0.8	1.0
	-FPN	11	51	14.2	0.5	0.5
	-EPZ	11	51	15.8	1.0	1.1
19	+IPE	03	59	13.1	0.8	1.0
	+IPN	03	59	13.4	0.7	1.0
	+IPZ	03	59	13.1	0.6	1.0
	-IPE	06	58	01.0	0.7	1.7
	+IPN	06	58	02.0	0.8	0.5
	-IPZ	06	58	00.0	0.5	1.2
20	+EPE	08	50	36.0	1.2	0.6
	+FPN	08	50	37.0	1.2	0.5
	+EPZ	08	50	38.0	1.2	0.5
	LP-LRE	20	31	13.1	18.8	3.0
21	-IPE	04	24	21.3	1.2	1.0

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
OCT 21	+IPN	04	24	21.3	1.2	1.0	
	+IPZ	04	24	22.0	1.7	5.5	
	LP LRE	04	34	20.6			
22	+IPE	13	34	59.0	2.0	4.0	
	+IPN	13	34	59.3	1.2	2.5	
	+IPZ	13	34	59.0	1.2	6.0	
	+IPE	21	35	24.0	0.7	0.2	
	+IPN	21	35	23.5	1.2	0.8	
	-IPE	00	33	36.7	1.0	3.0	
	+IPN	00	33	39.0	0.8	1.0	
	-IPZ	00	33	36.8	1.0	3.0	
	+IPN	05	06	02.3	1.0	0.8	
	+IPZ	05	06	02.0	0.8	0.5	
23	+EPF	12	06	45.2	0.6	0.5	
	-FPN	12	06	45.6	0.8	0.5	
	+EPZ	12	06	46.5	1.2	0.5	
	+IPE	06	27	53.8	1.7	1.5	
	+IPN	06	27	53.0	1.0	1.0	
	-IPF	06	27	53.5	1.2	1.0	
	LP+IXF	06	28	03.7	15.0	5.0	
	LP+FXN	06	28	07.5			
	LP+ISF	06	38	37.5	14.1	34.5	
	LP+ESN	06	38	40.9	16.4	54.5	
24	-FPE	19	29	45.0	0.6	0.6	
	+FPN	19	29	45.4	1.0	0.4	
	+EPZ	19	29	45.8	1.1	0.5	
	-EPE	22	03	43.2	1.0	1.0	
	+FPN	22	03	43.3	1.0	0.8	
	-FPZ	22	03	44.0	0.6	0.3	
	+FPE	01	52	39.8	0.7	0.5	
	-FPN	01	52	38.0	0.5	0.5	
	-EPZ	01	52	38.2	0.8	0.3	
	+FPE	03	32	17.0	2.0	2.5	
25	+FPN	03	32	17.0	1.7	1.0	
	+FPZ	03	32	17.0	2.0	2.7	
	+EPF	19	31	57.0	0.5	0.3	
	+FPN	19	31	58.8	0.6	0.5	
	+EPZ	19	31	57.7	1.0	0.4	
	+IPF	19	05	42.6	1.0	0.9	
	+IPN	19	05	42.9	1.0	0.5	
	26						

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s					h	m	s			
UCT 26	-IPZ	19	05	42.8	1.0	1.0	NOV 01	+FPE	23	56	12.9	1.2	1.0	
	-IPE	23	53	37.5	1.0	0.5		+EPN	23	56	12.9	1.0	0.5	
27	-IPN	23	53	39.7	1.2	1.2	+FPZ	23	56	12.9	1.0	0.5		
	+IPZ	23	53	39.5	1.0	1.1	02	-IPE	05	19	19.9	2.0	1.0	
	+FPE	00	57	09.0	1.0	1.0		-IPN	05	19	18.6	1.0	0.5	
	+EPN	00	57	09.0	1.0	0.7		-IPZ	05	19	18.6	1.2	1.5	
	+EPZ	00	57	09.0	0.5	0.5		+FPE	10	14	16.9	1.5	2.0	
	+EPE	01	08	09.5	0.6	0.6		+EPN	10	14	16.9	1.0	0.6	
	+EPN	01	08	09.8	0.5	0.5		+FPZ	10	14	16.4	1.0	0.8	
	+EPZ	01	08	09.9	0.6	0.5		+EPE	13	39	34.2	1.0	0.6	
	-IPE	16	48	42.0	1.0	2.0		-EPN	13	39	35.9	0.6	0.5	
	+IPN	16	48	42.0	0.9	1.7		+EPZ	13	39	35.9	0.5	0.3	
+IPZ	16	48	42.0	1.0	1.0	+FPF		20	12	53.0	0.6	1.3		
28	+EPE	06	48	20.0	0.5	0.6	-FPN	20	12	53.0	0.5	0.4		
	+EPN	06	48	18.8	0.8	0.5	+FPZ	20	12	53.0	1.1	0.4		
	-EPZ	06	48	20.0	1.0	0.5	-IPE	22	54	53.2	1.1	6.0		
	+IPE	05	28	40.1	1.2	1.7	+IPN	22	54	53.5	1.5	1.0		
29	-EPN	05	28	39.9	1.0	1.2	-IPZ	22	54	53.0	1.3	5.0		
	+EPZ	05	28	40.1	0.7	0.2	-IPF	23	32	07.3	1.2	1.2		
	-IPE	09	59	39.5	2.0	3.6	+IPN	23	32	07.3	1.0	2.4		
	+IPN	09	59	39.4	1.4	2.0	-IPZ	23	32	07.3	1.2	3.0		
	-IPZ	09	59	39.3	1.6	3.0	+EPE	23	42	30.0	3.0	7.5		
	-EPE	10	22	15.7	0.6	0.5	-EPN	23	42	31.0	2.0	2.8		
	+EPN	10	22	16.9	0.8	0.5	-EPZ	23	42	30.2	2.3	1.8		
	+EPZ	10	22	16.6	0.8	0.5	+IPE	00	30	23.7	0.7	1.7		
	+IPE	05	28	40.1	1.2	1.7	+EPN	00	30	23.0	1.6	0.6		
	-EPN	05	28	39.9	1.0	1.2	+EPZ	00	30	24.8	0.6	0.5		
30	+EPZ	05	28	40.1	0.7	0.2	+EPE	04	46	51.0	1.2	1.5		
	+EPE	06	21	59.1	0.8	0.5	+EPN	04	46	50.0	0.8	0.3		
	-EPN	06	21	58.9	0.7	0.6	-EPZ	04	46	51.4	1.2	0.5		
	-EPZ	06	21	58.9	0.8	0.3	+ISE	09	46	38.0	0.6	1.0		
	+EPE	06	51	53.5	0.6	0.8	+ISN	09	46	36.0	1.0	1.0		
	-EPN	06	51	53.6	0.5	0.5	+ISZ	09	46	38.5	1.2	1.0		
	-EPZ	06	51	53.9	0.4	0.3	-FPF	20	25	21.9	0.6	0.8		
	-FPE	07	38	00.7	0.7	0.5	+FPN	20	25	22.5	0.6	1.0		
	+EPN	07	38	00.4	0.6	0.5	+EPZ	20	25	22.0	0.8	0.5		
	-EPZ	07	38	01.7	0.6	0.5	-IPE	08	26	40.8	0.7	1.0		
	-IPE	19	34	51.1	0.7	1.2	+IPN	08	26	39.0	0.7	0.4		
	+IPN	19	34	51.1	0.8	2.0	-IPZ	08	26	40.5	0.8	0.6		
+IPZ	19	34	51.2	0.8	0.2	-EPE	17	42	00.1	1.7	1.5			
							03							
								04						

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
NOV 04	+EPN	17	42	00.1	1.5	1.0	
	-EPZ	17	42	00.1	1.8	1.0	
05	-IPE	21	22	10.0	1.5	1.0	
	+IPN	21	22	09.5	1.1	1.0	
	+IPZ	21	22	10.0	1.2	1.5	
	+EPE	03	24	57.5	1.0	0.5	
	+EPN	03	24	59.8	0.5	0.3	
	+EPZ	03	24	59.0	1.0	0.2	
	-IPE	10	49	26.8	1.2	1.0	
	+IPN	10	49	26.7	0.7	1.2	
	-IPZ	10	49	26.7	0.7	0.9	
	LP-LRF	11	12	43.6	20.0	3.0	
LP-LRN	11	12	43.6	21.8	5.0		
06	+IPE	13	55	37.0	0.6	1.0	
	+IPN	13	55	35.0	0.6	0.5	
	-IPZ	13	55	37.0	1.0	0.5	
	+EPE	21	49	23.0	1.0	0.9	
	+FPN	21	49	22.0	0.5	0.2	
	-EPZ	21	49	23.0	0.9	0.3	
	+EPE	07	35	21.7	0.8	1.0	
	+EPN	07	35	20.5	0.6	0.5	
	+FPZ	07	35	21.0	1.0	0.5	
	07	+EPE	04	02	47.0	1.0	1.5
+EPN		04	02	48.8	0.7	0.5	
+EPZ		04	02	47.2	0.8	1.5	
+IPE		13	29	44.2	1.0	2.0	
-IPN		13	29	44.6	1.3	2.5	
-IPZ		13	29	44.0	1.2	2.5	
-IPE		13	53	03.0	0.6	0.7	
-FPN		13	53	03.2	0.7	0.6	
-FPZ		13	53	02.0	1.0	0.2	
+FPE		19	23	08.9	1.0	1.5	
08	-EPN	19	23	07.5	1.0	1.0	
	+EPZ	19	23	07.7	0.8	0.3	
	+FPE	01	42	25.7	1.3	1.2	
	+EPN	01	42	26.0	1.2	1.0	
	+EPZ	01	42	26.0	1.5	1.2	
	09	-IPE	05	20	16.5	0.8	0.5
		+FPN	05	20	15.9	1.0	0.8
		-FPZ	05	20	15.7	0.8	0.3

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
NOV 09	+ISF	13	23	08.0	2.5	4.5
	+ISM	13	23	08.0	2.2	1.8
	+FSZ	13	23	09.0	2.0	0.8
	LP-FPE	13	12	43.1	15.9	8.0
	LP-IPN	13	12	43.1	15.9	7.5
	LP+EP7	13	12	41.3	12.2	20.0
	LP-FSE	13	23	27.2	16.9	40.5
	LP+ISM	13	23	25.3	16.9	51.5
	+IPE	17	42	45.3	1.0	3.5
	-IPN	17	42	45.5	1.0	2.6
10	-IPZ	17	42	45.5	1.0	2.3
	+IPE	19	22	35.0	1.2	3.0
	+IPN	19	22	35.0	1.0	0.5
	+IPZ	19	22	35.0	1.2	2.5
	+FSF	21	45	43.0	1.6	1.6
	+FSN	21	45	44.0	0.6	0.6
	-FSZ	21	45	44.0	1.5	2.0
	-FPE	04	08	35.8	2.0	0.8
	+IPZ	04	08	35.0	1.2	0.8
	+IPE	23	16	39.0	1.4	0.6
11	-IPN	23	16	39.0	1.0	1.0
	+IPZ	23	16	39.2	0.4	0.4
	+FSE	23	19	32.0	0.7	0.5
	+FSN	23	19	34.0	0.5	0.5
	+FSZ	23	19	36.0	0.3	0.3
	+IPE	05	37	36.0	1.9	1.1
	+FPN	05	37	36.8	1.2	0.5
	+IPZ	05	37	36.0	1.7	1.7
	+IPE	06	41	28.2	1.0	2.2
	+IPN	06	41	28.0	1.0	1.6
12	-IPZ	06	41	28.0	1.1	2.5
	+EPE	08	05	48.0	0.9	0.5
	-FPN	08	05	48.0	0.6	0.4
	+FPZ	08	05	49.9	0.3	0.2
	+IPE	06	10	32.0	1.4	5.5
	+IPN	06	10	32.5	1.0	4.0
	+IPZ	06	10	30.6	0.7	0.5
	+IPE	06	57	27.0	1.0	0.6
	+FPN	06	57	26.8	0.6	0.6
	-EPZ	06	57	28.0	0.7	0.2

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
NOV 12	-FPE	08	22	38.0	0.8	0.7	
	+EPN	08	22	37.9	0.5	0.5	
	+FPZ	08	22	37.8	1.2	0.5	
	-FPE	08	55	47.7	1.2	0.7	
	-FPN	08	55	47.7	0.7	0.3	
	+FPZ	08	55	48.3	1.0	0.4	
	+IPE	22	26	18.0	1.4	2.6	
	+IPN	22	26	19.2	1.3	1.0	
	+IPZ	22	26	18.0	2.0	2.4	
	13	+EPF	06	14	48.0	1.5	2.0
		+EPN	06	14	49.0	1.2	1.3
		+EPZ	06	14	47.8	0.8	0.3
		+IPE	07	46	47.5	1.1	3.5
+IPN		07	46	45.4	0.6	0.5	
-IPZ		07	46	47.9	1.0	0.5	
-IPE		17	07	17.1	1.4	1.5	
+IPN		17	07	17.0	1.5	1.5	
+IPZ		17	07	16.9	1.7	1.1	
LP-EPE		17	07	24.4			
LP-EPZ		17	07	24.4	11.3	2.5	
LP+ISF		17	13	52.5	13.1	8.0	
LP-ISN		17	13	52.5	13.1	4.5	
14	LP+FSZ	17	13	50.5	12.2	4.5	
	+FPE	19	30	20.8	1.1	1.1	
	+EPN	19	30	20.8	0.9	0.6	
15	+EPZ	19	30	20.5	1.0	1.0	
	-IPE	23	51	44.0	1.5	2.0	
16	-FPN	23	51	44.9	1.0	0.8	
	-IPZ	23	51	44.0	1.4	3.0	
	-IPE	11	20	05.6	0.7	0.9	
	+IPN	11	20	05.7	0.5	2.0	
	+IPZ	11	20	05.5	0.8	1.2	
	+EPE	11	23	08.4	0.5	0.5	
	-EPN	11	23	09.5	1.0	0.9	
	+EPZ	11	23	08.5	0.6	0.3	
	-IPE	13	54	52.0	0.9	0.8	
	+IPN	13	54	52.0	1.0	2.5	
+IPZ	13	54	52.0	1.0	1.0		
-EPE	13	59	50.8	0.6	0.5		
+EPN	13	59	50.5	0.7	0.6		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
NOV 16	+FPZ	13	59	51.5	0.6	0.4
	+FPE	01	29	43.5	0.5	0.5
17	+EPN	01	29	42.4	0.6	0.5
	-EPZ	01	29	44.0	1.0	0.2
	+FPE	04	19	19.7	0.7	0.5
	-FPN	04	19	19.0	0.6	0.5
	+FPZ	04	19	20.5	0.6	0.3
	-IPF	17	44	07.3	1.6	1.0
	-FPN	17	44	07.6	0.6	0.5
	+IPZ	17	44	07.0	1.2	1.5
	+IPF	21	13	22.0	1.0	0.5
	-IPN	21	13	21.0	0.8	0.6
	-EPZ	21	13	23.4	0.7	0.7
	+FPE	23	45	17.1	1.0	0.8
	-FPN	23	45	18.0	1.0	1.3
	-FPZ	23	45	18.0	1.0	1.0
	+EPF	05	11	41.0	1.5	0.3
	-EPN	05	11	41.0	1.3	0.6
	19	LP ESE	05	23	16.6	
LP-ESN		05	23	04.6		
-IPE		07	03	14.4	1.5	3.5
+IPN		07	03	14.4	1.5	2.5
+IPZ		07	03	14.0	1.2	2.0
+FPE		20	01	39.5	1.0	0.5
+FPN		20	01	38.9	1.2	0.6
+FPZ		20	01	39.7	1.2	0.4
+IPF		04	27	36.8	3.0	7.0
-IPN		04	27	37.0	2.4	4.0
+IPZ		04	27	36.3	3.0	14.0
+ISF		04	37	58.0	3.5	7.5
+ISN		04	38	00.8	1.8	5.5
+FSZ		04	38	00.2	2.0	1.8
LP+IPE		04	27	35.6		
LP EPN		04	27	35.6		
LP+IPZ		04	27	35.6	7.5	9.0
LP ESE	04	38	13.3			
LP-FSN	04	38	09.9	13.3	9.0	
LP-FSZ	04	38	11.4	14.3	11.0	
LP-ISSSZ	04	48	23.4	26.3	22.0	
LP-LRZ	04	57	40.0	38.7	20.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
NOV 20	-EPE	10	08	56.0	0.9	1.1	
	+EPN	10	08	55.0	0.5	0.3	
	+EPZ	10	08	56.0	1.2	0.6	
	-IPE	13	28	23.0	1.3	3.0	
	+IPN	13	28	23.7	0.6	0.5	
	+IPZ	13	28	23.0	2.0	2.0	
	21	+EPE	09	12	02.0	1.0	1.5
		+EPN	09	12	02.0	1.0	1.0
		+FPZ	09	12	02.5	0.9	0.5
		+FPE	10	38	56.0	0.6	0.5
+EPN		10	38	56.2	1.0	1.0	
+EPZ		10	38	56.2	1.0	0.5	
-EPF		11	51	34.0	0.8	0.5	
-FPN		11	51	35.2	1.3	0.7	
-EPZ		11	51	35.0	1.3	0.6	
+EPE		06	46	58.0	1.0	0.6	
22	+EPN	06	46	58.5	0.7	0.5	
	-EPZ	06	46	58.3	0.7	0.2	
	-IPE	23	55	28.0	1.0	0.8	
	+FPN	23	55	28.0	1.0	1.0	
	-IPZ	23	55	28.0	1.0	1.0	
	23	+IPE	00	58	20.0	2.5	6.6
		+IPN	00	58	20.0	1.8	2.0
		+IPZ	00	58	21.0	2.1	1.5
		-IPE	03	32	36.5	0.9	0.5
		+IPN	03	32	36.0	1.0	0.8
+IPZ		03	32	37.2	1.0	0.7	
-EPF		04	58	45.3	0.8	1.0	
-IPN		04	58	45.0	0.8	0.8	
+IPZ		04	58	45.0	1.0	1.0	
+EPF		19	39	38.8	0.5	0.5	
25	+FPN	19	39	39.1	0.5	0.5	
	+FPZ	19	39	40.1	0.8	0.2	
	+EPF	04	48	19.2	0.6	0.6	
	-FPN	04	48	20.1	0.5	0.6	
	+EPZ	04	48	18.7	0.8	0.3	
	+EPF	06	31	04.2	0.6	0.9	
	-FPN	06	31	02.2	0.6	0.6	
	-FPZ	06	31	04.2	0.6	0.4	
	+EPE	07	06	24.3	1.0	1.0	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
NOV 25	-IPN	07	06	24.5	1.0	1.0	
	-EPZ	07	06	25.0	0.7	0.5	
	+FPE	08	05	56.0	0.6	0.5	
	-EPN	08	05	56.0	0.6	0.3	
	+EPZ	08	05	56.6	0.6	0.4	
	-IPE	14	39	58.5	0.6	0.2	
	+IPN	14	39	58.6	0.6	0.8	
	-IPZ	14	39	58.3	0.5	0.2	
	26	+EPE	03	45	09.9	1.0	1.5
		+FPN	03	45	09.7	1.0	1.0
+FPZ		03	45	09.8	1.0	1.1	
-FPF		04	13	09.7	0.6	0.6	
-FPN		04	13	10.8	0.6	0.5	
+FPZ		04	13	10.2	1.0	0.4	
+EPE		04	38	19.4	1.0	1.0	
+FPN		04	38	19.7	0.8	0.5	
+FPZ		04	38	20.0	0.8	0.5	
+EPF		07	21	03.9	1.0	1.1	
27	+EPN	07	21	04.1	1.0	1.0	
	+FPZ	07	21	04.4	0.8	0.5	
	+EPE	08	43	56.5	0.6	1.0	
	+FPN	08	43	56.2	0.8	0.5	
	+FPZ	08	43	57.9	0.8	0.3	
	+IPE	23	13	40.3	1.0	1.5	
	-IPN	23	13	40.5	0.7	1.6	
	+IPZ	23	13	40.3	1.0	2.6	
	-EPF	02	01	58.8	0.7	0.7	
	+FPN	02	01	57.0	0.8	0.5	
28	+EPZ	02	01	58.3	0.8	0.4	
	+FPE	05	52	06.4	1.0	0.5	
	+FPN	05	52	06.8	0.9	0.3	
	+EPZ	05	52	06.8	1.5	0.5	
	+FPE	06	38	22.8	1.0	1.2	
	-FPN	06	38	22.8	0.7	0.5	
	+EPZ	06	38	23.6	0.5	0.5	
	+FPE	08	04	32.5	0.8	1.9	
	+FPN	08	04	32.5	0.6	0.5	
	+FPZ	08	04	32.8	0.6	0.3	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
NOV 28	+EPZ	04	49	33.2	1.0	0.3	
	+EPE	05	18	08.7	1.5	0.5	
	+EPN	05	18	09.7	1.6	0.5	
	+EPZ	05	18	08.7	1.3	0.5	
	+IPE	15	26	51.7	1.1	1.1	
	-IPN	15	26	51.7	1.0	1.5	
	+IPZ	15	26	51.7	1.1	2.5	
	-IPE	16	26	12.9	0.7	1.0	
	+IPN	16	26	13.1	1.0	2.0	
	+IPZ	16	26	12.8	1.2	0.8	
29	+EPE	00	29	57.4	1.2	1.2	
	+EPN	00	29	58.3	0.5	0.5	
	+EPZ	00	29	57.8	0.5	0.4	
	+EPE	07	23	30.8	1.0	0.5	
	-EPN	07	23	30.8	0.5	0.6	
	-EPZ	07	23	31.3	1.0	0.3	
	+IPE	10	01	34.5	1.1	1.7	
	-IPN	10	01	34.4	1.0	1.4	
	+IPZ	10	01	34.0	1.1	2.4	
	+EPE	10	53	12.0	0.6	0.6	
	+EPN	10	53	11.8	0.7	0.3	
	+EPZ	10	53	12.8	0.8	0.3	
	+EPE	18	37	49.8	1.1	0.9	
	-EPN	18	37	49.3	1.0	0.5	
	-EPZ	18	37	49.8	1.0	0.2	
	+IPE	22	23	29.1	1.5	7.0	
	+IPN	22	23	28.8	1.1	1.6	
	-IPZ	22	23	28.8	1.1	6.0	
	+IXE	22	38	24.8	2.0	5.0	
	+IXN	22	38	25.5	1.0	1.0	
	-IXZ	22	38	25.8	2.0	4.0	
	LP-IXE	22	25	11.0	11.3	4.0	
	LP-IXN	22	25	09.2			
	LP-IXZ	22	25	09.2	13.1	9.5	
	LP-IXE	22	37	12.9	16.9	23.5	
	LP-IXN	22	37	12.9	15.0	14.0	
	30	+EPE	05	10	31.8	1.2	0.6
		+EPN	05	10	31.1	1.2	0.5
		+EPZ	05	10	30.8	1.1	0.6
		+IPE	05	25	58.8	1.0	0.8

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
NOV 30	-IPN	05	25	58.8	0.9	0.9
	+IPZ	05	25	59.0	1.0	1.1
	+EPF	07	52	17.8	1.0	0.6
	+EPN	07	52	16.8	1.0	1.0
	-EPZ	07	52	17.3	1.0	0.2
	-IPE	13	17	20.8	1.5	1.5
	+IPN	13	17	20.8	1.0	0.5
	+IPZ	13	17	20.3	1.0	1.2
	-EPE	14	06	29.9	1.2	0.8
	-EPN	14	06	26.8	1.0	0.7
DEC 01	-EPZ	14	06	26.8	1.3	1.0
	LP+LRZ	14	37	01.9	16.9	2.0
	+EPE	07	53	52.6	1.2	1.6
	-EPN	07	53	53.0	1.2	1.2
	+FPZ	07	53	53.0	1.1	0.6
	+EPE	20	53	21.1	1.2	1.0
	+EPN	20	53	22.1	1.1	1.0
	+EPZ	20	53	22.1	1.3	0.6
	-EPE	21	51	00.1	0.6	1.0
	+EPN	21	51	00.1	0.6	1.0
02	+EPZ	21	51	00.1	1.0	1.1
	+EPE	23	49	24.1	1.0	1.2
	-EPN	23	49	24.1	0.5	0.5
	+EPZ	23	49	25.1	1.3	0.6
	-FPE	00	29	15.6	0.8	0.6
	+EPN	00	29	15.1	1.0	0.6
	-EPZ	00	29	15.6	1.0	0.5
	LP-ESE	00	38	41.5		
	LP-EXE	00	53	49.0	17.8	2.0
	+EPN	00	54	13.3	1.2	1.2
	-EPZ	00	54	14.1	1.7	0.6
	LP-EXZ	00	57	37.7	15.9	3.5
	+IPE	00	58	24.7	1.2	1.4
	+IPZ	00	58	24.7	1.6	1.4
	-IPE	06	56	42.2	1.6	4.5
	+IPN	06	56	42.3	1.7	1.6
	-IPZ	06	56	42.3	1.6	4.5
	LP-LRZ	07	30	53.6		
	+EPE	12	34	00.3	1.0	1.0
	+EPN	12	34	00.8	0.8	1.4

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
DEC 02	-EPZ	12	34	01.3	1.0	2.5
	+IPE	03	19	12.0	1.0	7.0
03	+IPN	03	19	10.9	1.0	0.6
	-IPZ	03	19	11.7	1.2	1.0
	-ESE	03	29	42.0	2.5	3.0
	+ESN	03	29	41.0	2.5	3.8
	+ESZ	03	29	47.0	1.5	0.8
	LP FPE	03	19	15.0		
	LP EPZ	03	19	15.0		
	LP+ISE	03	29	41.3	15.0	25.5
	LP-ESN	03	29	45.0	8.4	11.5
	LP+ISZ	03	29	45.0	16.9	10.0
	+FPE	13	35	05.5	1.0	0.6
	+EPN	13	35	05.0	0.6	1.0
	+FPZ	13	35	05.2	0.8	0.6
	+EPE	16	04	14.2	1.2	0.6
	+EPN	16	04	14.5	1.1	0.8
	-EPZ	16	04	13.8	1.0	0.6
	+IPE	17	10	47.0	1.0	0.8
	+IPN	17	10	47.0	0.8	0.6
	-IPZ	17	10	49.6	0.8	0.6
	-EPE	20	56	38.0	0.4	1.0
	+FPN	20	56	37.2	1.0	0.6
	+EPZ	20	56	38.0	1.5	0.4
	+IPE	21	52	54.6	1.0	2.0
	-IPN	21	52	52.5	1.1	1.0
	-IPZ	21	52	55.0	0.6	0.6
04	+FXE	03	20	18.0	2.0	8.0
	+EXN	03	20	17.2	1.0	1.6
	+EXZ	03	20	18.0	2.0	6.0
	-ESE	03	29	57.8	1.8	3.6
	-ESN	03	29	54.0	1.7	0.6
	+FSZ	03	29	56.0	1.8	0.6
	LP+FXE	03	20	03.8	7.5	2.5
	LP+EXN	03	20	03.8	5.6	2.0
	LP+EXE	03	30	14.1	13.1	8.5
	LP+FXN	03	30	00.0	18.8	16.5
	-IPE	19	49	32.9	1.0	1.3
	FPN	19	49	33.1		
	+IPZ	19	49	32.9	1.1	1.1

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
DEC 04	LP+LRE	19	58	43.0	13.1	2.0
	LP-LRN	19	58	32.7	15.0	3.0
	+EPE	20	25	56.6	0.4	1.2
	+EPN	20	25	56.9	0.6	1.2
	+EPZ	20	25	57.2	0.3	0.2
05	+IPE	12	10	18.4	1.1	2.0
	+IPN	12	10	18.5	1.1	1.4
	-IPZ	12	10	18.4	1.3	4.0
	LP-EXE	12	10	23.8		
	LP-EXN	12	10	23.8		
	LP-ESE	12	20	38.8	9.4	5.5
	LP+FSN	12	20	38.8	9.4	7.0
	+EPE	12	29	27.4	2.0	2.0
	-EPN	12	29	27.2	1.0	1.0
	-EPZ	12	29	27.7	0.8	1.0
06	+EPE	13	05	30.0	1.5	3.0
	+FPN	13	05	30.5	0.7	1.6
	+EPZ	13	05	30.2	1.2	1.0
	+EPF	13	43	04.0	0.6	1.2
	-EPN	13	43	05.3	0.7	1.2
	-EPZ	13	43	05.5	0.9	0.8
	-FPE	16	33	25.5	0.9	0.6
	+FPN	16	33	24.2	0.7	0.4
	-EPZ	16	33	25.1	1.0	0.6
	+FPE	22	01	18.5	1.0	1.4
	-EPN	22	01	16.8	0.6	0.8
	+EPZ	22	01	18.5	0.9	0.6
	-EPE	23	56	42.5	0.8	1.2
	+FPN	23	56	41.8	0.9	0.6
	-EPZ	23	56	42.5	0.8	0.6
07	-IPE	00	50	49.0	0.9	1.4
	+IPN	00	50	49.2	1.0	2.4
	-IPZ	00	50	50.0	0.7	1.0
	+EPE	04	55	20.0	0.5	0.6
	-FPN	04	55	19.6	0.5	0.8
	-EPZ	04	55	21.3	0.8	0.2
	+EPE	09	35	01.5	0.8	0.6
	+FPN	09	35	01.0	1.0	0.8
	+EPZ	09	35	01.5	0.8	1.0
	+IPE	14	39	56.5	1.3	2.0

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
DFC 07	+IPN	14	39	57.0	1.2	1.0
	+IPZ	14	39	56.0	1.3	2.4
08	+EPE	22	22	33.3	1.5	1.0
	+EPN	22	22	33.3	1.0	1.0
	+EPZ	22	22	33.0	1.0	1.4
	-EPE	17	46	54.8	0.5	0.8
	+FPN	17	46	54.0	0.5	0.6
	-FPZ	17	46	54.7	0.4	1.0
	+IPE	18	31	15.5	0.9	1.2
	IPN	18	31	16.0		
	-IPZ	18	31	16.1	1.0	3.0
	+FPE	19	27	40.1	1.0	1.0
	+EPN	19	27	40.2	1.0	0.8
	+EPZ	19	27	39.0	1.3	0.4
	+FPE	19	38	46.5	0.6	1.4
	-EPN	19	38	46.5	0.5	0.8
	-EPZ	19	38	47.0	1.0	0.6
	09	-EPE	07	43	33.0	0.5
+EPN		07	43	33.0	0.4	1.0
+EPZ		07	43	32.8	1.0	0.2
-FPE		08	04	04.5	0.3	1.0
-EPN		08	04	04.5	0.6	2.0
+EPZ		08	04	04.8	0.4	2.2
+EPF		21	30	58.5	1.0	0.6
+EPN		21	30	59.2	0.7	1.2
+EPZ		21	30	59.0	1.2	1.0
+EPE		21	53	29.0	0.7	1.0
+EPN		21	53	29.9	1.1	2.0
+EPZ		21	53	29.6	1.0	0.8
-EXE		22	08	38.0	1.0	0.8
+EXN		22	08	39.0	1.2	1.4
-EXZ		22	08	39.8	0.8	0.6
10		+EPE	01	59	10.8	0.8
	-EPN	01	59	11.2	1.0	0.6
	+EPZ	01	59	10.3	0.9	0.8
	+EPE	11	16	48.1	1.8	5.0
	+EPN	11	16	49.0	1.0	0.4
	-EPZ	11	16	48.0	1.0	2.0
	-EPE	22	47	53.8	1.2	0.6
	+EPN	22	47	52.3	1.0	1.0

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
DFC 10	+FPZ	22	47	53.2	1.2	0.4
	+IPE	02	16	57.2	1.0	1.0
11	+FPN	02	16	58.8	1.0	0.8
	+FPZ	02	16	59.7	0.8	0.6
	+FPF	21	44	07.0	0.8	1.6
	-FPN	21	44	07.5	0.5	1.0
	+FPZ	21	44	07.1	1.0	0.4
	+FPE	02	43	02.5	1.5	2.4
	+FPN	02	43	02.4	1.0	0.4
	+FPZ	02	43	02.5	1.1	1.0
	-EPE	02	55	08.7	2.0	2.0
	+FPN	02	55	09.0	1.0	0.6
	+FPZ	02	55	08.6	2.0	1.2
	+IPE	13	01	22.8	1.2	3.0
	+IPN	13	01	23.0	1.0	0.8
	+IPZ	13	01	22.5	1.4	4.0
	+FPF	17	20	02.8	1.0	2.0
	+FPN	17	20	01.0	1.0	0.6
12	FPZ	17	20	02.5		
	FPF	21	05	21.8		
	-FPN	21	03	21.5	0.9	2.0
	FPZ	21	03	21.5		
	-FPF	01	18	25.0	1.0	2.0
	+FPN	01	18	26.0	1.0	1.0
	+EPZ	01	18	26.0	1.0	0.4
	+FXE	07	50	56.0	1.0	5.4
	+FXN	07	50	56.6	1.2	3.2
	+FXZ	07	50	57.0	1.0	2.0
	+IPE	07	56	58.0	1.2	2.0
	+IPZ	07	56	58.0	1.2	2.0
	-FPE	02	06	01.0	1.0	1.4
	+FPN	02	06	00.0	0.8	1.0
	+EPZ	02	06	00.5	0.7	0.6
	+FPF	12	00	20.0	0.5	2.0
+FPN	12	00	20.6	1.1	2.0	
+FPZ	12	00	21.8	1.3	2.2	
13	-EPE	13	54	55.5	0.8	2.0
	+FPN	13	54	56.0	0.6	0.8
	+FPZ	13	54	56.5	0.8	0.4
	-FPF	14	19	02.0	1.1	2.8

14	+FPZ	13	54	56.5	0.8	0.4
	-FPF	14	19	02.0	1.1	2.8

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
DEC 14	+EPN	14	19	01.8	1.0	2.0	
	-EPZ	14	19	02.0	1.0	2.2	
	+EPE	17	17	52.8	0.6	1.0	
	+EPN	17	17	52.7	0.7	1.0	
	+EPZ	17	17	53.9	1.0	1.2	
	+EPE	20	19	55.1	1.0	4.4	
	+EPN	20	19	56.0	0.8	1.2	
	+EPZ	20	19	55.5	1.1	6.0	
	15	+EXE	00	10	24.2	0.6	0.6
		+EXN	00	10	24.3	0.3	1.2
+EXZ		00	10	24.4	0.4	0.8	
-EPE		12	17	57.1	0.6	0.4	
+EPN		12	17	56.0	0.6	1.0	
+EPZ		12	17	57.1	0.8	0.8	
+EPE		22	16	18.4	1.5	0.8	
+EPN		22	16	18.3	0.8	0.5	
+EPZ		22	16	18.0	1.1	0.7	
16		+FPE	05	14	53.0	1.2	1.5
	-EPN	05	14	53.0	1.0	1.5	
	+EPZ	05	14	53.0	1.0	1.5	
	+EPN	08	06	24.0	1.2	0.4	
	-EPZ	08	06	24.1	1.7	1.2	
	LP-LRE	08	35	46.2	18.5	3.5	
	+EPE	14	12	39.3	1.0	1.0	
	-EPN	14	12	39.7	1.1	1.0	
	+EPZ	14	12	40.0	1.0	1.0	
	+EPE	17	17	32.5	0.8	0.3	
17	+EPN	17	17	33.0	1.0	1.5	
	-EPZ	17	17	33.0	1.0	0.4	
	+EPE	15	43	33.1	1.0	1.6	
	+EPN	15	43	33.8	1.0	0.5	
	+EPZ	15	43	33.0	2.0	1.5	
	LP FSN	15	50	07.5			
	18	+EXE	11	54	54.3	0.8	1.5
		-EXN	11	54	55.0	0.7	1.1
		-EXZ	11	54	55.0	1.0	0.6
		+EPE	12	32	22.0	1.0	1.5
+EPN		12	32	21.1	1.2	0.5	
+EPZ		12	32	21.9	1.2	2.2	
19		-EPE	21	13	09.5	0.2	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
DFC 19	-EPN	21	13	09.5	0.2	0.5	
	EPZ	21	13	10.0			
20	-IPF	02	52	57.2	1.3	1.0	
	+IPN	02	52	57.2	1.1	1.0	
	-IPZ	02	52	57.0	1.1	3.5	
	+EPF	07	36	24.9	0.7	1.0	
	-EPN	07	36	23.0	0.8	0.3	
	+FPZ	07	36	25.0	0.9	0.5	
	-IPF	12	36	22.5	1.5	2.0	
	FPN	12	36	22.5			
	+IPZ	12	36	22.0	1.6	1.5	
	LP+FXF	09	22	37.9	20.6	8.5	
21	-FXE	11	55	32.5	1.0	1.5	
	-FXN	11	55	33.5	1.0	0.6	
	+FXZ	11	55	34.2	0.9	0.5	
	22	-FPE	02	30	51.1	1.5	1.0
		-FPN	02	30	50.9	0.9	0.5
		+EPZ	02	30	50.8	1.1	0.5
		-EPE	02	58	27.1	1.2	2.4
		+FPN	02	58	26.3	1.0	0.6
		-FPZ	02	58	26.1	1.3	0.5
		23	+EPE	01	17	15.2	0.8
+FPN			01	17	16.5	1.3	0.5
+EPZ			01	17	16.9	0.8	0.5
-FPF			11	42	53.7	1.7	1.4
-EPN	11		42	54.0	1.0	0.6	
+FPZ	11		42	53.7	1.1	1.5	
24	+EPE		05	42	50.7	1.0	1.2
	-FPN		05	42	52.0	0.5	0.3
	+FPZ		05	42	51.9	0.6	0.2
	+FPE		07	07	38.7	2.0	1.2
	+FPN	07	07	40.8	1.1	0.4	
	+FPZ	07	07	38.7	2.7	2.0	
	+FXE	07	07	49.7	2.0	5.0	
	+FXN	07	07	49.6	0.9	1.0	
	+EXZ	07	07	49.3	1.3	3.0	
	FSF	07	17	28.7			
25	FSN	07	17	28.1			
	FSZ	07	17	27.7			
	LP-FPF	07	07	42.2	16.6	2.0	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
DEC 24	LP-EPN	07	07	42.2	14.8	2.5
	LP-FSN	07	17	34.8	13.9	23.0
25	+EPE	03	07	31.7	1.0	1.0
	+EPN	03	07	31.2	0.8	0.2
	EP7	03	07	35.7		
	-FXE	03	09	05.5	1.7	2.0
	+EXN	03	09	05.2	1.1	0.6
	-EXZ	03	09	05.4	1.1	0.5
	-IPE	09	24	23.5	1.2	1.0
	+IPN	09	24	23.5	1.1	0.6
	+IPZ	09	24	23.3	1.2	1.0
	+EPE	12	44	16.4	1.5	0.8
	-EPN	12	44	16.7	0.8	0.5
	+EPZ	12	44	16.7	1.5	1.0
	+EPE	13	10	01.3	1.1	0.6
	+EPN	13	10	00.6	0.6	0.5
	+EPZ	13	10	01.0	0.5	0.2
	-IPE	14	33	16.6	0.5	0.6
	-IPN	14	33	16.7	0.6	1.0
	26	+IPZ	14	33	16.8	0.5
+IPE		15	21	55.0	1.5	3.0
-IPN		15	21	55.5	1.0	0.5
-IPZ		15	21	55.0	1.2	2.8
+EXE		07	42	35.8	2.0	5.5
-EXN		07	42	35.5	0.7	1.0
+EXZ		07	42	36.1	1.2	0.6
EPE		08	14	00.8		
+EPN		08	14	01.0	1.2	0.4
EPZ		08	14	01.8		
+EPE		09	33	29.3	1.0	0.6
-EPN		09	33	30.8	0.6	0.5
+EPZ		09	33	29.8	0.8	0.3
+EPE		10	46	01.1	1.0	2.5
27	+EPN	10	46	01.4	0.8	0.7
	+EPZ	10	46	02.8	1.0	0.5
	-EPE	08	17	36.8	1.2	1.0
	-EPN	08	17	37.4	0.6	0.5
	+EPZ	08	17	37.9	1.6	0.5
	-EPE	10	07	06.2	1.0	0.8
	+EPN	10	07	05.9	0.8	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
DEC 27	+FPZ	10	07	07.0	0.6	0.3	
	+EPE	11	12	11.6	1.0	1.0	
	+IPN	11	12	12.1	1.0	1.1	
	-IPZ	11	12	12.2	1.0	0.5	
	+IPE	11	40	51.0	2.0	1.0	
	-IPN	11	40	51.3	1.6	1.0	
	+IPZ	11	40	51.5	1.5	1.5	
	-IPE	12	08	17.0	1.0	1.0	
	+IPN	12	08	17.3	1.0	1.1	
	-IPZ	12	08	17.3	1.0	1.5	
	28	+EXE	01	20	21.5	0.6	0.5
		+FXN	01	20	21.7	1.0	1.0
		+FXZ	01	20	21.5	0.6	0.5
		+FXE	01	30	30.8	1.0	1.1
-EXN		01	30	30.8	1.0	1.5	
+FXZ		01	30	31.4	1.0	1.0	
FPE		01	34	55.6			
-EPN		01	34	54.9	0.5	0.6	
-EXE		01	35	15.9	0.5	0.3	
-EXN		01	35	16.8	0.5	1.0	
+FXZ		01	35	15.9	0.2	0.3	
-EXE		01	39	13.9	0.7	0.5	
-FXN		01	39	13.9	0.6	0.5	
-FPE		07	58	19.2	0.6	0.6	
29	+EPN	07	58	17.9	1.0	0.5	
	-EPZ	07	58	17.9	1.1	0.5	
	-FPE	10	01	47.8	0.9	1.0	
	+EPN	10	01	48.6	0.6	0.4	
	+EPZ	10	01	49.3	0.7	0.3	
	+FPE	11	59	00.2	0.8	0.8	
	+EPN	11	59	01.8	0.7	1.0	
	EPZ	11	59	00.5			
	-EPE	12	34	03.3	1.0	1.0	
	-EPN	12	34	02.8	1.0	0.5	
	FPZ	12	34	03.8			
	+FPE	18	46	23.8	1.6	0.8	
	-EPN	18	46	22.6	1.0	0.5	
	30	+EPZ	18	46	22.8	0.6	0.4
-IPE		13	03	20.3	0.5	1.0	
+IPN		13	03	19.8	0.6	0.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
DEC 30	+IPZ	13	03	20.3	1.0	1.0	
	+IPE	13	12	34.7	1.0	0.6	
	+IPN	13	12	34.7	0.6	1.1	
	+IPZ	13	12	34.7	0.9	0.5	
	-FSE	13	15	07.7	0.8	2.5	
	+FSN	13	15	07.7	0.7	1.0	
	-FSZ	13	15	08.5	0.9	0.4	
	31	-EPE	00	39	47.7	0.8	1.0
		+EPN	00	39	48.0	1.0	1.0
		+EPZ	00	39	47.9	0.7	0.3
		+EPE	08	23	25.8	1.0	1.5
		+FPN	08	23	26.5	0.6	0.6
	0	+EPZ	08	23	27.0	0.7	0.6
LP-LRN		21	27	06.4	15.0	2.0	