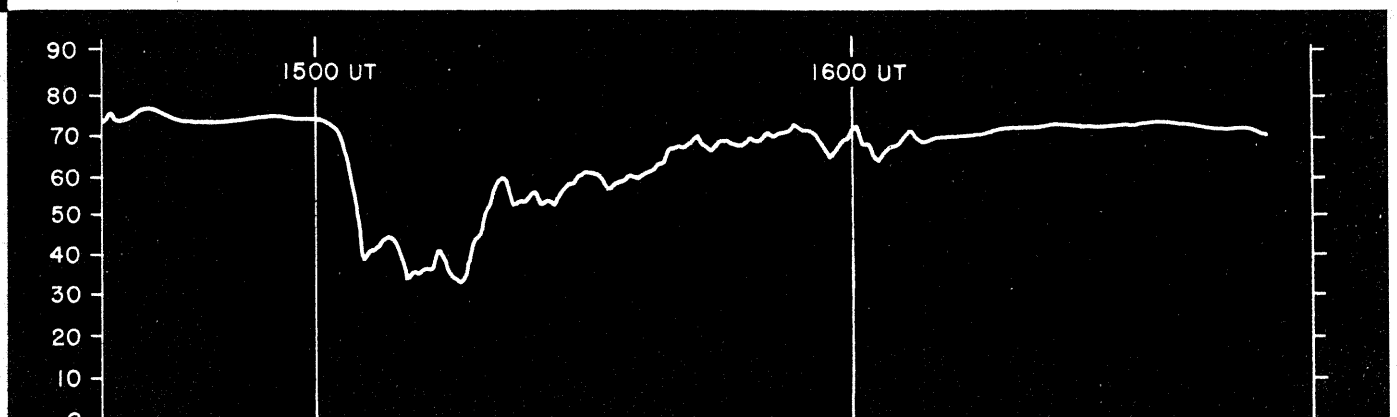
Report UAG - 84

WORLD DATA CENTER A
for
Solar-Terrestrial Physics

CATALOG OF AURORAL RADIO ABSORPTION
During 1976 - 1979 at Abisko, Sweden

July 1982



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by

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July 1982

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
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Introduction

This catalog lists concisely radio absorption events recorded by the wide-beam 30-MHz riometer at Abisko, Sweden, during the International Magnetospheric Study (IMS) of 1976-1979. The station has geographic coordinates N68.36° and E18.8° and an L value of 5.64 (invariant latitude 65.1°); magnetic midnight occurs there about 2200 UT.

The detector is a standard La Jolla Sciences riometer with additional output smoothing to increase the response time to a few seconds. The antenna comprises two wire dipoles over reflector wires, producing a beam pointed to the zenith and having an approximately circular response pattern in which the gain decreases 3 dB at zenith angle 32° [Ecklund and Hargreaves, 1968]. Quoted absorption values remain uncorrected for antenna beam width; they should be reduced about 30% to obtain the absorption that a pencil beam antenna pointed to the zenith would measure.

The catalog should be useful in three ways: (1) to indicate the level of auroral absorption activity in Scandinavia at particular times or on particular days; (2) to study statistically the incidence and intensity of radio absorption events; and (3) to aid in the selection of events of a particular type for detailed study.

Form of Catalog

Numerical data give the year, month and day; the Universal Time of event start, end, and maximum; and the absorption at maximum in decibels. Absorption values are accurate to either 0.1 or 0.2 dB. For events of 1 dB and greater, we regard the list as complete. Between 1 and 0.4 dB we may have missed some events, because a weak event of long duration may not be obvious on a chart. No attempt was made to record events smaller than 0.4 dB.

The time of maximum is accurate to 5 min, and start and end times should be within 10 min as a rule, though there could be greater uncertainty for events with either a very gradual onset or decay. An asterisk following the end time means that the event extended over midnight and ended during the next UT day.

The numerical data are followed by a letter type, indicating the shape of the event, and by comments. Figures 1-5 on pages 4-8 give examples of the event types.

Event Type (Based on Event Shape)

A: A gradual, and often symmetrical, depression of the riometer trace as illustrated in Figure 1; often featureless but sometimes showing structure (noted in catalog if present). Maximum absorption usually less than 1.5 dB. Duration usually greater than 1 hr.

B: A more structured event than type A, but still relatively weak, with absorption usually less than 1 dB and duration less than 1.5 hr. See Figure 1.

C: A structured event larger than type B with no limit on the maximum absorption, though the duration generally does not exceed 2 hr. The structures can be of various shapes as shown in Figure 2. In an asymmetrical event the onset is usually sharper than the recovery.

D: An event with essentially the shape illustrated in Figure 3; the archetype rises in 20 min and decays over several hours, though shorter examples are included if similarly proportioned. Structure may be superposed.

E: An extended and structured event like type C except that the duration exceeds 2 hr. May be very irregular in shape. Compare Figures 2 and 4.

F: A fast-onset event as illustrated in Figure 5, that either starts with a sharp leading edge or contains one. Often highly structured.

G: A spike event with sharp onset and sharp recovery as shown in Figure 5.

P: A polar cap absorption event. Not illustrated.

Blank: No events noted on that day--a condition caused in a few cases by equipment failure, gaps between charts or interference. Whenever we are certain a no-event day was caused by one of these three conditions, we note it in the catalog under the COMMENTS column heading.

Abbreviations and Symbols Used in COMMENTS Column

ABS	absorption	INCL	including	SEV	several
ABSN	absorption	IRREG	irregular	SHALL	shallow
AFT	after	ISOL	isolated	SL	slight(ly)
APPROX	approximately	L	lead-in, event precursor	ST	structure
ASYM	asymmetrical	LAT	latter	SUP	superposed
BET	between	LEV	level	SV	slowly varying
CF	similar to	LGE	large	SYM	symmetrical
CH	chart	MF	main feature	T	event has tail
DEC	decrease(ing)	MINS	minutes	TM	time mark
DEF	defined	NT	not	TOG	together
DEP	depression	PCA	Polar Cap Absorption	UN	Unusual(ly)
EX	extended	PER	Period of	V	very
FEA(S)	features	PO	Period of	W	with
FOLL	followed(by)	POSN	position	WK	weak
GEN	general	PREC	preceded by	&	and
GRAD	gradual	PULNS	pulsations	>	greater than
H(HLY)	highly	QD	quiet day curve	<	less than
HR	hour	QDC	quiet day curve	#	approximately
I	interference	REG	region	?	possibly
INC	increase	SEP	separation	*	event extends over midnight

Catalog Use in Statistical Studies

We provide the following information for the researcher using this catalog in a statistical study:

Polar Cap Absorption (PCA) Events. We intend the catalog to serve primarily as a guide to auroral absorption events detected at Abisko, but the absorption measured there during these periods may include a PCA component. See Table 1 below. Table 1 lists the PCA events noted in riometer data from Dec 1975 to the end of the IMS period; almost all readings were taken from the 30-MHz instrument operated at Godhavn (N69.26°, W53.51°, L = 21) by the Ionosphere Laboratory, Danish Meteorological Institute, Lyngby, Denmark. Absorption values over the interval Jul 1976-Dec 1979 appeared in Ionlab Reports 47-50, 52, 55-58, 64, 76 and 189 [Stauning, abc]. Because Godhavn data are unavailable before Jul 1976, we inspected the Narssarssuaq (N61.17°, W46.01°, L = 7.31) record over the interval Dec 1975 through Jun 1976. Absorption values for Dec 1975-Jun 1976 appeared in Ionlab Reports 45 and 46 [Stauning, a].

Table 1. Polar Cap Absorption Events During Period Covered by Catalog

Start		End		Maximum Value				
Date	Time (UT)	Date	Time (UT)	Date	Time (UT)	Abs (dB)	Freq (MHz)	Station
760501	0600	760502	0000	760501	0900	2.5	30	Narssarssuaq*
760822	1200	760823	0100	760822	1700	1.0	30	Godhavn
770917	0500	770920	2200	770919	2100	5.0	30	Godhavn
770924	0700	770925	2200	770924	1500	2.0	30	Godhavn
771012	0900	771012	2000	771012	1500	0.5	30	Godhavn
771112	1200	771123	2300	771122	1800	4.5	30	Godhavn
780213	1000	780215	2200	780214	1600	>10.0	30	Godhavn
780417	0600	780504	0000	780430	1200	>10.0	30	Godhavn
780507	0400	780510	0300	780507	0700	4.0	30	Godhavn
780531	1500	780602	1800	780601	1000	1.0	30	Godhavn
780623	1800	780626	1200	780624	1800	2.0	30	Godhavn
780923	1200	780927	1800	780924	1600	>12.0	30	Godhavn
781110	1000	781112	2000	781111	1700	1.5	30	Godhavn
790403	1200	790405	1800	790404	1000	2.0	30	Godhavn
790606	1800	790609	0000	790607	0200	6.0	30	Godhavn
790706	2200	790708	0200	790707	1100	2.0	30	Godhavn
790819	0900	790823	0000	790820	1700	6.0	30	Godhavn
790915	1200	790921	1800	790917	1500	1.5	30	Godhavn

*L=7.31 at Narssarssuaq and 21 at Godhavn.

Periods of No Data (Whole Days). The following year-month-day intervals identify dates when no data were obtained throughout whole days: 780404-780409; 780522-780531; 780914-780917; 781015-781023; 781207-781208 and 790531-790621. Mainly equipment failures caused these gaps.

Periods of No Data (Partial Days). Propagated interference most commonly caused data loss during part of a day. Table 2 summarizes our estimates of this loss at Abisko during the IMS period and should be taken into account in any statistical study. The records deteriorated with increasing solar activity In general the loss of data was more serious by day and in winter.

Table 2. Estimated Percentage of Data Lost by Interference

3-Month Period	00-03 (UT)	03-06 (UT)	06-09 (UT)	09-12 (UT)	12-15 (UT)	15-18 (UT)	18-21 (UT)	21-24 (UT)
Jan-Mar 1976	0	0	1.8	1.8	0	9.3	1.8	0
Apr-Jun 1976	0	2.6	0	0	0	0	10.3	7.7
Jul-Sep 1976	0	0	0	2.6	0	0	3.8	3.8
Oct-Dec 1976	0	0	0	0	7.7	7.7	5.2	7.7
Jan-Mar 1977	0	0	0	0	12.1	9.1	9.1	9.1
Apr-Jun 1977	0	0	1.7	10.0	5.0	3.3	3.3	3.3
Jul-Sep 1977	0	0	0	0	0	0	10.0	16.7
Oct-Dec 1977	0	0	0	0	20.0	70.0	60.0	36.6
Jan-Mar 1978	0	0	12.1	48.5	51.5	12.1	0	0
Apr-Jun 1978	16.6	54.2	50.0	45.8	25.0	16.7	0	8.3
Jul-Sep 1978	27.2	9.1	15.2	9.1	0	6.1	6.1	27.2
Oct-Dec 1978	0	0	22.2	70.4	70.3	22.2	3.7	0
Jan-Mar 1979	0	0	70.0	93.3	90.0	56.7	10.0	13.3
Apr-Jun 1979	20.8	62.5	79.2	72.9	52.1	29.2	4.2	12.5
Jul-Sep 1979	20.0	26.7	23.3	26.7	20.0	6.7	10.0	26.7
Oct-Dec 1979	0	5.0	56.7	90.0	75.0	43.3	10.0	5.0

Acknowledgments

We appreciated the careful operation of the riometer by Mr. N.A. Andersson and staff of the Abisko Scientific Research Station, Royal Swedish Academy of Sciences. Mr. P.N. Collis and Mrs. G.M. Park assisted in compiling the catalog. This task formed part of a project to study high-latitude radio absorption--a project supported by the U.K. Science and Engineering Research Council.

References

ECKLUND, W.L. and J.K. HARGREAVES — 1968 — "Some Measurements of Auroral Absorption Structure over Distances of about 300 km and of Absorption Correlation Between Conjugate Regions," J. Atmos. Terr. Phys., 30, No. 2, 265-283.

STAUNING, P. — a — Narssarssuaq Riometer Data Dec 75-Jun 76; Jan-Dec 77 (Ionlab Reports 45, 46 and 189, Ionosphere Laboratory, Danish Meteorological Institute, Lyngby, Denmark).

STAUNING, P. — b — Polar Riometer Absorption Data Jul-Dec 76; Sep, Nov 77 (Ionlab Reports 49 and 76, Ionosphere Laboratory, Danish Meteorological Institute, Lyngby, Denmark).

STAUNING, P. — c — Riometer Absorption Data Oct 77-Dec 79 (Ionlab Reports 47, 48, 50, 52, 55-58 and 64, Ionosphere Laboratory, Danish Meteorological Institute, Lyngby, Denmark).

Illustrations of Event Type

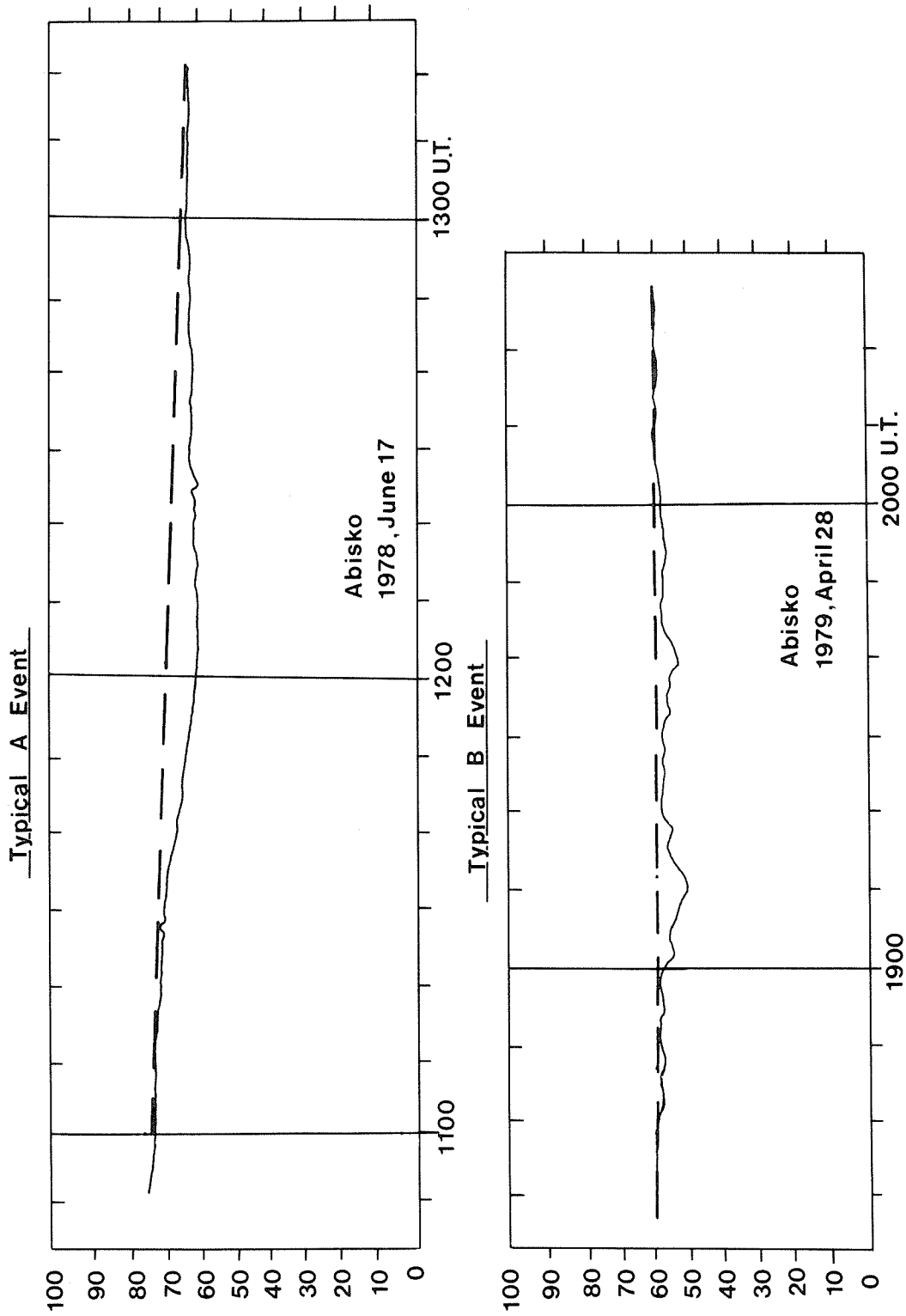

Fig. 1. Representative type A and typical type B radio absorption events. Type A depressions of the riometer record trace a gradual, often symmetrical, profile of greater than an hour's duration. See top panel. Type B events on the other hand, contain more structure than type A and continue for less than 1.5 hr. See bottom panel.

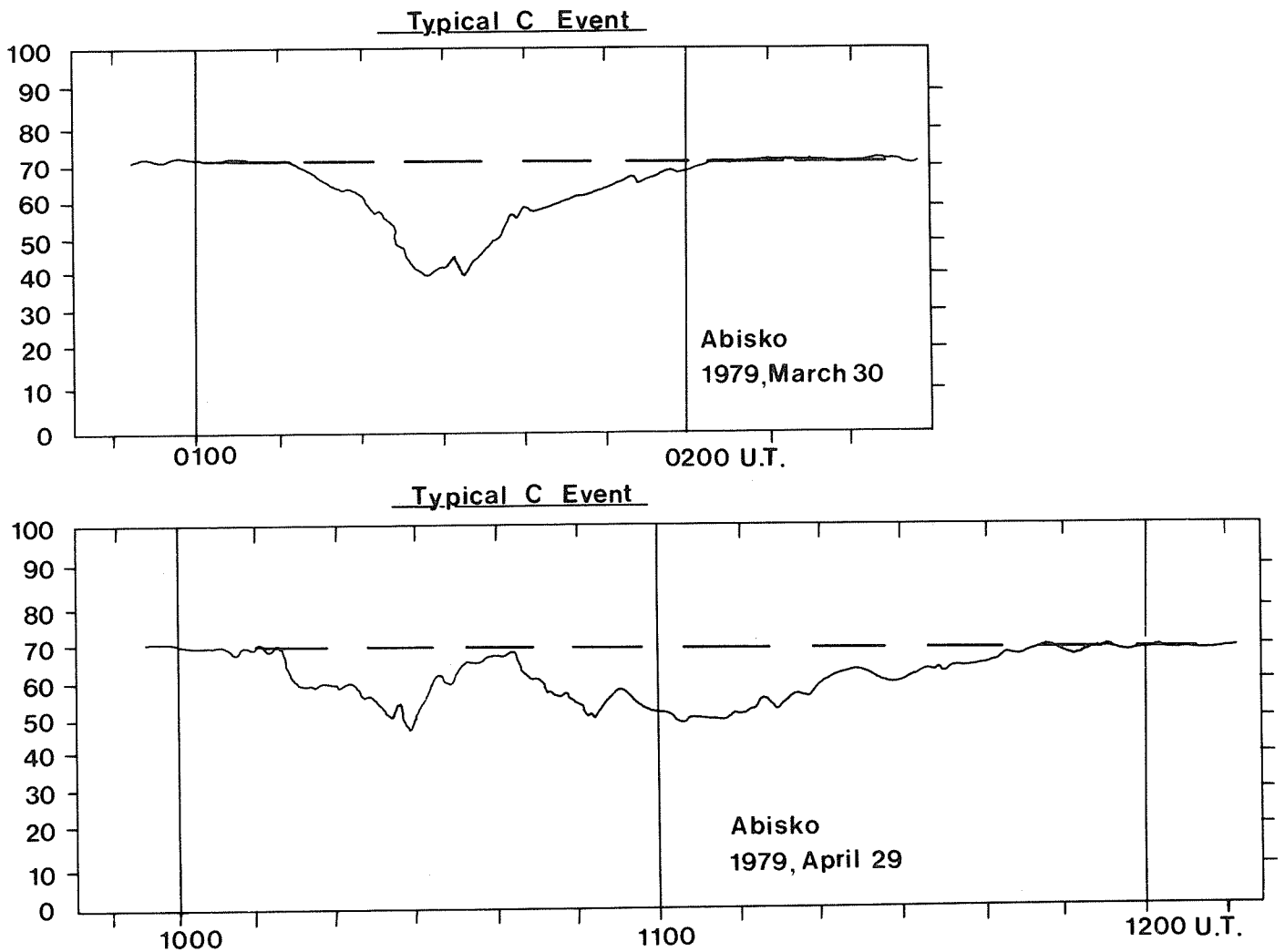

Fig. 2. Two characteristic type C radio absorption events. Type C depressions of the riometer record display more structure and a greater maximum absorption than type B events. C type events with their various shapes generally last no longer than 2 hr.

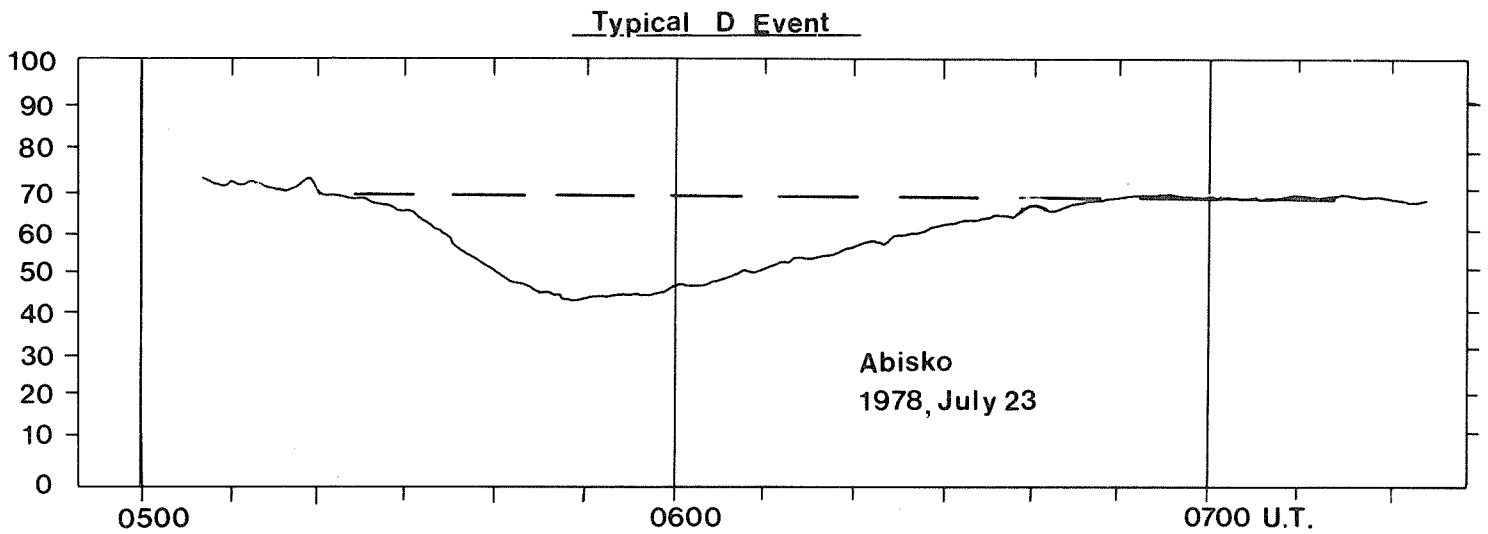

Fig. 3. Typical type D radio absorption event. This class of event, often with superposed structure, rises to a maximum absorption in about 20 min and then decays over several hours. We include shorter-duration events under the type C class, if similarly proportioned to the archetype.

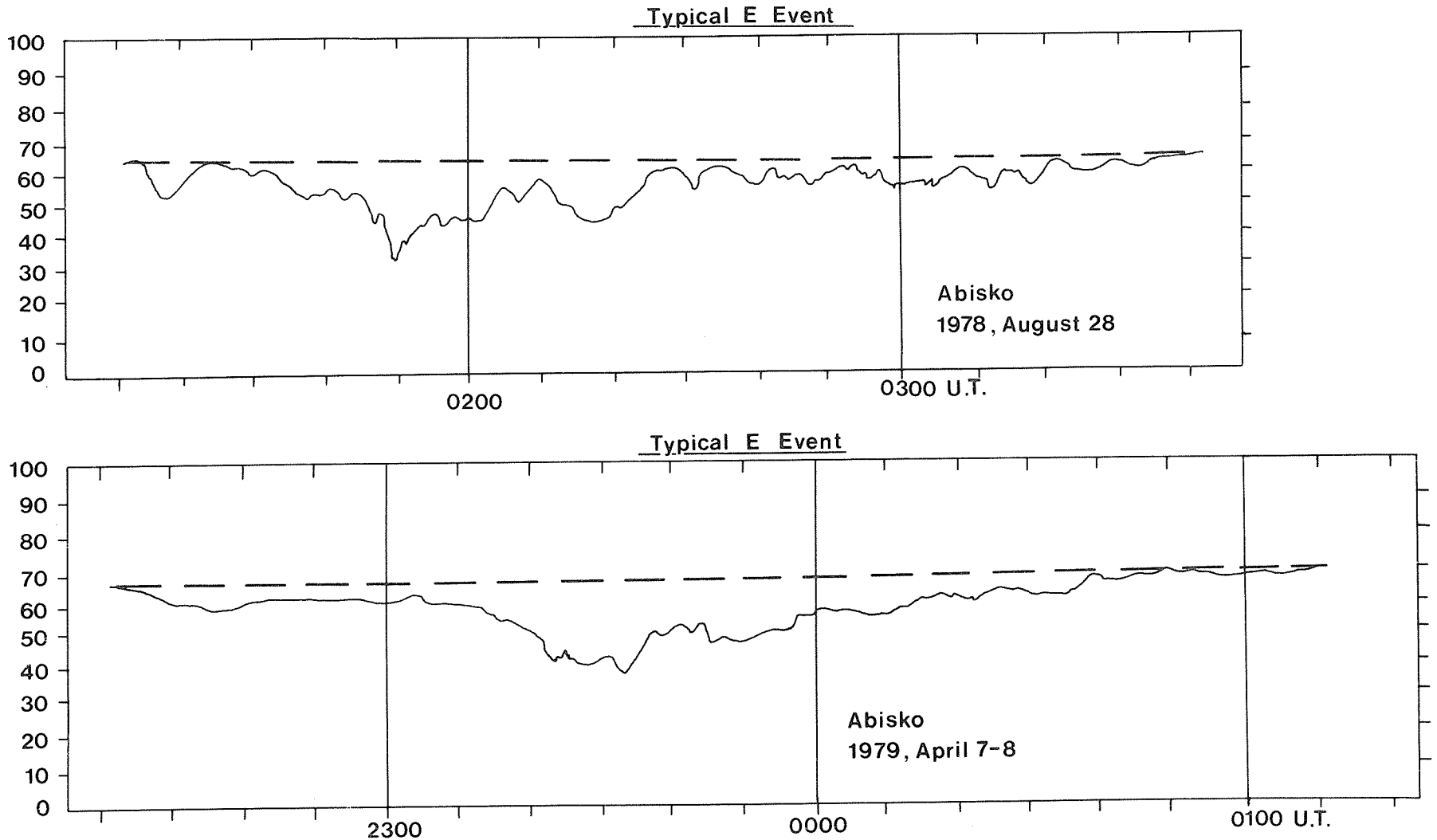

Fig. 4. Two characteristic type E radio absorption events. Although types C and E events display similar structure, type E persists for more than 2 hr and may have a very irregular shape. Compare with Figure 2.

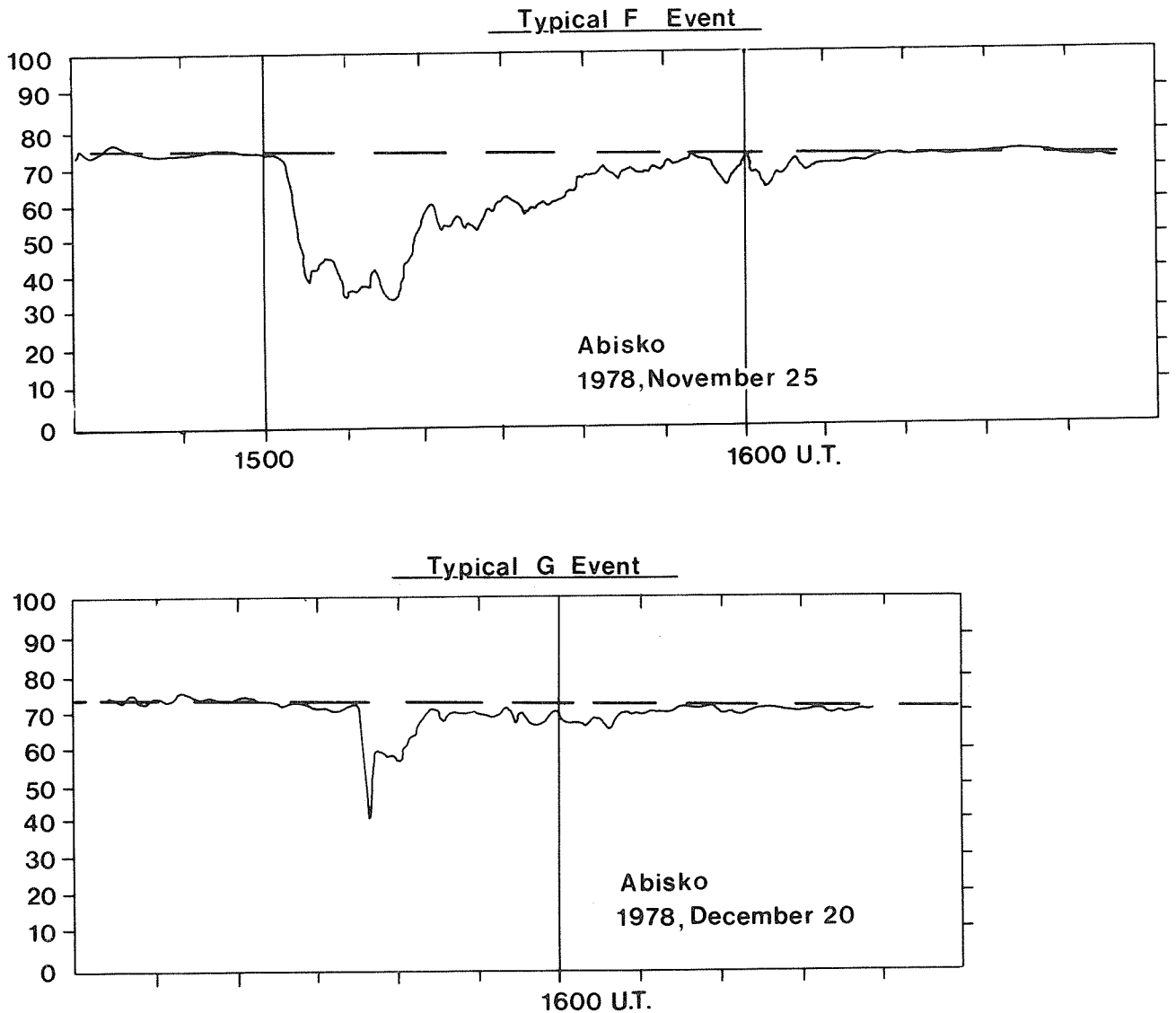

Fig. 5. Representative type F and typical type G radio absorption events. A fast onset characterizes the type F event; its trace either starts with a sharp leading edge or contains one. See top panel. The type G class is a spike event--an event with a sharp onset and a quick recovery. See bottom panel.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
751214	1340	1830	1545	1.9	C	L,SYM MF(#1HR),T
751214	2045	2310	2145	0.5	A	
751215	0100	0410	0220	1.7	C	L,SL ASYM MF(#1HR),T
751216	0100	0530	0310	2.5	C	L,ASYM MF(#1.5HR),T.
751216	0300	1130	1012	1.0	A	L,WK IRREG FEA
751216	1510	1610	1520	0.8	A	
751216	2000	0245*	2320	0.6	A	L,MF 2310-2430 T
751217	0300	0520	0355	2.9	C	MF,T
751217	1630	1730	1645	0.5	A	
751217	2115	2315	2210	1.1	B	L, SHORT MF 15 MINS T
751218	0215	0315	0245	0.7	A	
751219						
751220						
751221	1500	1530	1510	0.7	B	
751221	1305	2010	1910	0.6	B	
751222	0000	0230	0140	0.5	A	
751223						
751224	2030	0210*	2100	0.8	A	TRACE DEPRESSED, FEW MINOR FEAS.
751225	0530	0900	0555	1.2	B	SERIES OF TYPE B FEAS. 0.8DB @ 0800
751225	1950	0120*	0010	2.1	C	LONG L W MINOR FEAS.,MF W ST.
751226	0510	0700	0600	1.0	A	SLIGHTLY IRREG
751226	0840	1120	0905	2.4	D	
751226	1215	1320	1227	1.0	B	0.6 DB @ 1313
751226	1940	2130	1958	2.9	C	CONSIDERABLE ST, ONE V SHARP PEAK.
751226	2130	2305	2322	0.4	A	
751226	2305	0050*	2320	1.9	C	MF,T
751227	0055	0150	0120	0.9	A	
751227	0450	1115	0920	4.5	E	L W SMALL FEAS, MF(#4HRS) W LITTLE ST.
751227	1115	1850	1702	1.3	A	2 SMALL FEAS IN THIS PERIOD. 1600, 1.0DB.
751227	1850	2240	1950	4.7	F	L(#40MINS) W 1 SHARP PEAK,MF W SHARP ONSET @ 1935
751227	2240	2330	2240	2.7	F	LITTLE ST.
751227	2320	0010*	2320	2.0	F	SOME ST
751228	0010	0300	0050	2.2	C	MF W ST, T
751228	0400	0815	0620	1.0	E	L(#1HR), FOLL BY PERIOD OF WK ABS.
751229	0030	0145	0100	0.7	A	
751229	0545	0745	0650	1.2	A	IRREG TRACE,ST.
751229	0745	1030	0930	1.3	A	IRREG TRACE, ST.
751229	1030	1200	1110	1.1	A	IRREG TRACE
751229	1315	1445	1410	1.3	A	IRREG TRACE
751230	0040	0210	0130	1.3	B	CUSP
751230	0415	0540	0515	0.9	A	I
751230	1000	1220	1055	1.0	A	WK,IRREG ABS.
751230	1415	1640	1440	0.8	A	
751231						
760101						
760102						
760103	1257	1320	1203	1.2	B	
760103	1900	0100*	2001	1.7	F	L(BROAD FEA W SOME ST),MF(2000-2100), T (#0.8DB)
760104	1940	2140	2030	1.3	B	T
760105	1100	1200	1130	0.8	A	TRACE SOMEWHAT DISTURBED
760105	1200	1440	1245	0.8	A	
760105	2045	2315	2240	1.3	B	MF(2230-2300),T
760106	0330	0405	0415	0.7	A	
760106	2100	2220	2015	1.3	F	ONSET NOT V SHARP, T. 1
760106	2245	0115*	2315	0.9	A	T

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
760107	0540	0720	0600	1.5	A	I
760108						
760109	2100	0400*	0035	0.7	A	I
760110	2250	0200*	0020	2.0	F	L, MF(0020-0200). 3.9DB @ 0040
760111	0240	1130	0530	1.3	A	EXTENDED PERIOD OF SV ABSN. MF(0240-0740),T
760111	1625	1715	1640	1.0	B	?L
760111	1800	2100	2000	0.7	A	L, MF(1900-2130)
760111	2150	2340	2235	1.2	C	CUSP
760111	2340	0400*	0110	1.2	A	MF(2340-0230), T.
760112	1900	2015	1910	1.0	A	LIKE SMALL TYPE D FEATURE.
760112	2240	0145*	0010	1.7	C	L,T.CUSP & PEAK,WHICH IS SHARP.
760113	0240	0315	0257	0.6	A	SMALL TYPE A.
760113	0420	0650	0445	1.5	D	
760114	2210	2320	2300	1.0	B	L.BLUNT CUSP.
760115	1900	2040	1915	0.6	A	ST.D.
760115	2240	0130*	2310	0.8	A	T.
760116	0210	0310	0230	1.0	B	ST.
760116	1820	2110	1930	1.5	F	L,ST.MF(1930-2030).T.
760116	2110	0015*	2305	3.7	F	ST.,T. 1.8DB@2110.
760117	0210	0310	0240	0.4	A	SMALL TYPE A.
760117	0400	1330	0720	1.9	E	L UNTIL 0630 V LARGE TYPE A. 1.2DB @1016
760117	1850	2040	1940	0.9	A	
760118	0015	0240	0040	1.1	A	MF(0015-0120).T.
760118	0545	0950	0710	0.6	A	ST.
760118	1015	1730	1105	2.0	E	2 PEAKS. LONG T.1.7DB@1300.
760119	0130	0200	0140	0.4	A	SMALL TYPE A DIP BETWEEN 0100&0200.
760120	0200	0330	0230	0.9	A	
760120	2100	2300	2220	1.2	A	ST.L.
760121	0140	0530	0300	0.8	A	
760121	0610	0830	0640	0.9	A	ST.
760121	0945	1205	1030	2.3	D	
760121	1205	1500	1230	1.7	E	CHART ENDS 1250
760121	1800	2050	1958	1.6	C	2 FEAS,W SHARP PEAKS(LIKE F ONSETS)SUP ON TYPE A
760122	0302	0515	0315	3.4	D	MF (0302-0415) T
760122	1240	1530	1345	1.5	C	L,T.ST.
760122	1700	2355	1900	2.1	C	PER OF ST ABSN,W SOME SHARP FEAS.I @ START.
760122	2355	0305*	0115	2.4	C	L,MF(0100-0355).
760123	0420	0700	0500	1.5	A	I.
760123	1105	1320	1150	1.3	A	GREATLY CONFUSED BY INTERFERENCE.
760123	1340	1430	1400	0.5	A	I
760124	0850	1600	0915	3.0	D	LGE TYPE D,BUT W CONSIDERABLE ST.
760124	2000	2100	2020	0.8	B	CUSP.
760125	1140	1315	1255	0.7	A	L.
760125	1455	1615	1510	2.3	C	LIKE D EXCEPT THAT ONSET IS MORE PEAKED.ISOL FEA.
760126						
760127						
760128						
760129						
760130	1915	2140	2015	3.0	F	L,MF(2015-2040),T. CONFUSED BY INTERFERENCE.
760130	2140	2345	2330	1.1	A	PERIOD OF WEAK IRREG.ABSN.CONFUSED BY INTERFERENCE.
760131	0440	0715	0600	1.2	A	ST.
760131	1040	1200	1120	0.7	A	ST.
760131	1310	1520	1510	1.3	A	DIS TYPE A? I.
760131	1900	1950	1920	0.6	A	ST.
760131	2045	0000*	2120	3.1	F	STRUCTURED L,(2045-2120).MF(2120-2330),T.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
760201	0245	0430	0250	1.3	B	SMALL FOR TYPE-C.T.
760201	0900	1330	1100	2.0	E	LARGE FEA
760201	1410	1530	1440	2.0	D	INTERFERENCE. 1.8DB@ 1420.
760203	1350	1450	1405	1.2	A	MF+SMALL SECONDARY PEAK.
760203	2115	2215	2115	2.3	F	CLASSIC F ONSET RAPID RECOVERY
760204	0000	0300	0055	1.9	C	LGE TYPE A FEATURE. SOME ST.
760205	1415	1520	1420	1.0	B	ST.CUSP & ROUNDED FEATURES.
760205	2020	2150	2102	2.0	C	CUSP.ST.
760205	2300	0130*	2340	2.3	C	LGE TYPE A.T.SLIGHT ST.
760206	0310	0530	0350	1.2	A	MF(0310-0420).T.
760207	0600	0700	0640	0.4	A	QDC INACCURATE DUE TO I
760207	1005	1450	1150	1.9	F	L 1000-1100
760207	2000	2300	2205	0.6	B	SMALL FEAS
760208	0100	0320	0115	1.5	D	ST.RATHER WEAK ABSN FOR TYPE D.
760208	2200	2300	2230	1.3	C	ONSET MISSING DUE TO FAULT.
760209	0020	0500	0100	2.1	E	LGE BROAD FEATURE,DECREASING AFTER #0210;2.0DB@0200
760209	0500	1130	0630	2.0	E	LONG PER OF ST ABSN.2.0DB@0850.
760209	1200	1500	1230	1.7	C	D-TYPE ONSET
760209	1500	1700	1555	1.3	B	PER OF IRREG ABSN,GEN WEAK,BUT 1 SHP B-TYPE FEA.
760209	1930	0230*	2200	5.0	F	PER OF H ST ABSN,W F-TYPE EDGES.L.EDGES @ 2120,2345
760209	0310	0450	0355	2.2	C	A-TYPE SYMMETRY.ST.
760210	0605	0830	0615	2.2	C	TOO MUCH ST.TO BE D. .
760210	0840	1240	0945	3.3	C	LARGE FEATURE,ST.
760210	1310	1600	1430	2.7	C	PER W 2 UNUSUALLY SHARP PEAKS.GEN LEVEL ABSN<1.0DB.
760210	1920	2330	2125	3.0	E	PER OF ST ABSN.ONE SHARP EDGE.(#2125).
760210	2330	0100*	2340	4.6	C	ONSET HAS A BROAD PEAK.
760211	1000	1750	1240	1.8	E	BROAD PEAKS. L.FROM 1000-1200.ST.1.7DB@1505.
760211	2020	0030*	2230	1.0	A	ST.
760212	0340	0710	0420	0.8	A	T
760212	0710	1350	0940	2.0	E	LGE FEATURE,BROADLY SYMMETRICAL,ST.
760212	1400	1530	1415	0.5	A	
760212	2040	0000*	2158	1.1	E	L.ST.A-TYPE SYM.OVERALL,BUT LGE.SCALE ST.
760213	0000	0415	0140	6.5	F	L,MF(0140-0300).T. REMARKABLE FEATURE.
760213	0415	0640	0550	1.8	C	UNUSUAL IN THAT RECOVERY IS FASTER THAN ONSET.
760213	1050	1140	1120	0.4	A	SMALL FEATURE.
760213	1215	1440	1320	1.0	A	ST.
760213	1540	1715	1640	2.2	C	SHARP PEAKS.
760213	2040	0000*	2240	3.2	F	EDGE AT 2220. 2.2DB@ 2220.
760214	0300	0800	0450	4.4	E	L,LGE.SINGLE FEATURE.
760214	1240	1550	1405	2.1	C	IRREG.FEATURE. MUCH ST.1.7DB@1540.
760214	2100	2220	2120	0.8	A	
760215						
760216	0230	1230	0340	1.8	A	UNUSUAL FEA NO ST EXTENDED DEPRESSION ONSET 1.5HRS.
760216	1710	1830	1755	1.2	B	(POSSIBLY A ST.)
760217	1210	1300	1240	0.8	A	
760217	2340	0030*	2350	1.8	C	CUSP.
760218	0240	0440	0330	1.1	A	WEAK,SLOWLY VARYING ABSN.
760218	0820	0930	0850	1.3	A	
760218	0930	1215	1040	2.1	C	LGE.TYPE A.
760218	1330	1520	1350	0.9	B	IRREGULAR ABSN.
760218	2020	2145	2115	1.6	B	LGE TYPE B.
760218	2310	0140*	0040	0.7	A	
760219	0210	0340	0240	1.4	A	
760219	0515	1205	0850	3.3	E	2.8DB@0605.
760219	1205	1500	1350	1.2	B	SERIES OF SMALL FEATURES.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
760219	1820	0130*	2115	2.2	E	SERIES OF MEDIUM SIZED FEATURES.L FROM 1820-2030.
760220	0310	0430	0340	2.4	C	SINGLE FEATURE.
760220	1000	1110	1045	0.8	A	IRREG. ABSN.
760220	1145	1600	1220	2.9	E	SHORT L,T.ST.W MF WHICH HAS A-TYPE SYMMETRY OVERALL
760220	2000	2220	2110	2.1	C	FEATURE DIFFICULT TO MEASURE (INTERFERENCE).
760220	0600	0910	0745	1.2	A	ST.
760221	1045	1610	1050	2.2	E	SHARP ONSET 4 MINS LGE FEA ST 2.9DB @ 1140
760221	1750	2350	1920	2.1	E	ST.ABSN & ONE MORE QUITE PER(2100-2240).1.8DB@2250.
760222	0150	0225	0205	1.3	A	DEEP FOR A-TYPE FEATURE.
760222	0300	0355	0320	0.8	A	
760222	1240	1310	1335	0.9	A	ST.
760223						
760224						
760225	1215	1630	1315	0.8	A	
760225	1720	1810	1750	0.8	B	CUSP.INTERFERENCE.
760226	0920	1020	0940	0.4	A	
760226	1150	1700	1435	0.9	A	IRREG. ABSN.
760226	1830	2125	2125	1.0	F	MINATURE F-EDGE 0.8DB DROP
760226	2125	2250	2200	2.6	C	CUSP.
760226	2250	0430*	0110	1.3	E	IRREG ABSN FOLL PREVIOUS FEA T
760227	0540	0655	0615	0.5	A	
760227	1100	1300	1220	1.3	C	SEVERAL PEAKS.END CONFUSED BY INTERFERENCE.
760227	1300	1730	1420	0.7	A	IRREG. ABSN. TAIL TO PRECEDING EVENT
760227	1900	0100*	2040	3.5	E	ST.MORE QUIET BET 2120&2240,L.1900-2010.SHARP PEAKS
760228	0210	0610	0320	2.3	E	SLOWER ONSET THAN FOR D.ST.
760228	0710	1050	0740	3.0	D	LGE.D.
760228	1110	1415	1140	0.6	A	2 A FEATURES + T. 0.6DB@1240.
760228	1845	1100*	2110	3.3	F	L 1810-2110 HIGHLY ST D-LIKE T.
760229	1810	2030	1915	0.7	A	
760301	1200	1745	1355	2.9	C	L 1200-1350 T 1500-1745
760301	1810	2300	1905	3.4	E	CUSP.IRREGULAR T.
760302	0310	0510	0345	1.1	A	SHAPE RATHER LIKE A SMALL D-TYPE FEATURE.
760302	0545	0640	0551	2.0	F	MF SHOWS 2 PEAKS & LASTS #15MINS.T.
760302	0716	0810	0722	1.4	C	CUSP.
760302	0940	1100	1010	1.0	B	CONFUSED FEATURE. ST.INTERFERENCE.
760302	1200	0035*	1240	3.1	F	GAP IN CHART 1400-2338.
760303	0035	0245	0125	2.9	E	CUSP.
760303	0300	0530	0505	1.5	C	PERIOD OF IRREG ABSN,GRADUALLY INC IN INTENSITY.
760303	0530	1140	0855	2.7	E	PER OF IRREG ABSN,OF GREATER INT BUT FORM NO CL FEA
760303	1230	1400	1305	1.7	A	RATHER DEEP FOR CLASSIC A-TYPE FEATURE.
760303	1410	1615	1430	0.9	A	TWO SMALL A-TYPE DIPS & TAILS. 0.8DB@ 1510.
760303	1800	1840	1810	1.9	C	CUSP.ST.
760303	1900	2250	2120	1.4	E	PER OF IRREG ABSN POSS EXTENDED L TO FOLL FEA
760303	2250	0350*	2300	3.2	E	LGE,ILL-FORMED FEA.FAIRLY RAPID ONSET.IRREGULAR.
760304	1050	1600	1250	1.1	A	LGE A-TYPE FEA W ST.,&SMALLER A-TYPE DIP SUP AT END
760305	0310	0410	0330	0.8	A	
760305	1040	1440	1230	1.2	A	SOMEWHAT IRREG.INTERFERENCE.ST.
760305	1545	1640	1615	1.8	C	
760305	2030	2330	2200	3.2	F	EDGE AT 2200,PREC BY IRREG.L.
760306	0200	0315	0240	1.0	A	
760306	0445	0915	0655	1.4	E	PERIOD OF IRREG ABSN.1.3DB@0510.
760306	0950	1400	1015	1.5	D	RATHER SLOW ONSET TO BE TYPICAL D-TYPE.
760306	1445	1540	1510	0.6	A	
760306	1710	1850	1735	4.9	F	V DEEP FEA SL ST BEFORE ONSET AT 1735 FAST RECOVERY
760306	1850	2030	1915	6.1	F	V DEEP FEA.SL DIST BEFORE ONSET AT 1915.T.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
760306	2100	2310	2220	5.8	C	STRUCTURAL ABSN.3.7DB@2200;3.4DB@2245.
760307	0030	1445	0355	2.2	E	ABSN WEAK BETWEEN 0800&1030. 2.0DB@0130;1.8DB@0750.
760307	1500	1550	1530	0.6	A	TWO SMALL FEATURES.
760307	1650	1730	1700	0.8	B	CUSP.
760307	1800	2305	2100	3.4	C	IRREG L.LEVEL #1.0DB.UNTIL 2100.SHARPISH EDGE,DEC.
760307	1930	2300*	2255	2.9	E	A-TYPE L(1930-2215),FOLL BY C-TYPE FEA.0.9DB@2050.I
760307	2305	1430*	0815	7.8	E	V IRREG FEAS 0110 4.8DB 0220 4.8DB 0355 5.6DB
760308						
760309	0220	0645	0305	4.9	C	INTERFERENCE 0400-#0700.
760309	0645	1010	0715	3.0	D	FEATURE MUCH DISTURBED BY INTERFERENCE.ST.
760309	1010	1350	1120	2.2	C	ST.,T.1.5DB@ 1020.
760309	2100	0110*	2230	4.9	E	IRREG,STRUCTURAL ABSN,PROBABLY DISTORTED BY I.
760310	0110	1206	0440	2.2	E	CHART ENDS,1206. I.SUSPECT IRREG ABSN .
760310	1200	1400	1255	0.8	A	T
760310	1710	2040	1920	2.0	C	L,1705-1845,FOLL BY FEA IN A TYPE SYM BUT MUCH ST
760310	2040	2315	2240	8.1	F	V SHARP EDGE AT 2215 L
760310	2315	0510*	0220	3.0	E	LGE,IRREG.FEATURES.
760311	0600	1100	0655	1.7	E	CONSIDERABLE ST.,BUT A-LIKE SYMMETRY OVERALL.
760311	1125	1510	1150	3.0	C	LGE C FEA W ST FOLL BY 2 SHARPER PEAKS SHORT T
760311	1950	0030*	2330	1.9	A	IRREG.L(1950-2210),WITH 1 SHARP PEAK,MF,ATYPE SYM.
760312	0030	0355	0110	3.9	C	MF(0030-0200),FOLL BY T. IRREG,WEAK ABSN.
760312	0400	0800	0500	3.5	C	ONSET RATHER SLOW FOR D.CONSIDERABLE ST.
760312	0905	1400	0945	2.9	E	LGE,IRREG.FEATURE.MUCH ST. 2.8DB@1230;2.7DB@1100.
760312	2110	0000*	2210	3.0	C	SYMMETRICAL DIP.SOME ST.T.
760313	0040	0330	0140	4.2	E	CUSP.
760313	0640	1400	0920	1.1	E	EXTENDED PER OF IRREG ABSN
760313	1455	1550	1505	1.2	B	MINI INCLINE D-TYPE
760313	1510	1655	1600	0.5	A	
760313	1945	2130	2020	3.5	F	IRREG L,1945-2020.
760313	2330	0540*	0255	2.5	E	ST.
760314	0540	0830	0605	3.7	D	ST.
760314	0945	1440	1100	0.8	A	0.7DB@ 1335.
760314	1545	1655	1630	0.6	A	
760315	0320	0650	0410	1.0	C	IRREG ABSN. 0.9DB@ 0500.
760315	0650	0810	0730	1.2	A	
760315	0810	1020	0845	2.2	C	
760315	1350	1615	1405	7.4	C	SERIES OF REMARKABLE PEAKS,'V'SHAPED. 2.9DB@1450.
760316	2200	0030*	2250	0.8	B	TWO SMALL FEATURES.
760316	0315	0630	0400	0.8	A	
760316	0740	1200	0805	1.6	E	RATHER SMALL,&SLOW ONSET FOR CLASSIC D.
760316	1815	2005	1920	1.2	A	ST.
760316	2250	0230*	0045	1.6	E	L(2250-2350),MF(CUSP),T.(0115-0230).
760317	0250	0620	0345	1.9	E	RECOVERY HAS SOME BROAD STRUCTURE.
760317	0620	1000	0810	5.0	E	VERY LARGE # SYMMETRICAL DIP.
760317	1000	1510	1045	3.7	E	MUCH ST.T.(1410-1510)
760317	2145	0030*	2245	3.5	C	CUSP.SHORT L,GRADUAL DECLINE.
760318	0030	0300	0110	1.3	C	L,T.SINGLE BROAD FEATURE.
760318	0745	0845	0815	0.4	A	
760318	0940	1720	1110	1.3	A	MF(0940-1505),T.(1505-1720).LGE.FEA,W.ST.
760318	2055	2320	2230	0.8	A	SOME ST.
760319	0455	1130	1005	1.7	C	LGE,IRREG.FEA W LONG L(0455-0830).
760319	1200	1450	1330	1.0	A	
760319	1550	1620	1555	0.6	B	V.SMALL.
760319	1815	1855	1845	1.0	B	
760319	1930	2110	2010	0.5	A	

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
760320	0350	0545	0425	0.8	A	
760321						
760322						
760323	1740	1815	1755	2.4	C	DEEP,SYMMETRICAL TROUGH.UNUSUAL FEATURE.
760323	2040	0015*	2245	0.8	A	
760324						
760325						
760326						
760327						
760328						
760329	0813	1440	0835	2.6	E	END OF LGE FEATURE. NEAR 1440.
760330	0800	1020	0745	0.6	B	SOME INTERFERENCE.
760330	1100	1210	1140	0.6	A	SOME INTERFERENCE.
760330	1340	1530	1410	1.8	C	
760330	1920	1950	1940	0.7	A	RATHER DEEP FOR A.
760330	2010	2140	2040	.0	B	
760330	2200	2240	2210	0.4	B	
760330	2300	0245*	0100	1.2	A	L,2300-0000.
760331	0745	1240	0820	0.9	A	INTERFERENCE.
760331	1400	1520	1503	0.7	A	
760331	2330	0500*	0345	9.6	E	V SHARP ST L, 2330-0045 7.8DB 0300
760401	0500	0640	0525	3.6	C	MF(0515-0540),IRREG.T.
760401	1700	1810	1745	0.6	A	SOME ST.
760402	0200	0830	0315	1.8	E	EX PERIOD OF SLOWLY VARYING ABSN.I TOWARDS END.
760402	1405	1630	1430	0.6	A	
760402	1945	2330	2105	1.2	A	INTERFERENCE AT START.T,2140-2330.
760402	2340	0500*	0240	1.3	B	EX PER OF WEAK,ST ABSN,1 CLEAR A-TYPE FEA(0220-0310
760403	0500	1320	0620	5.8	E	ST.IRREG.FEATURE.T.1130-1320.4.3DB@0815.
760403	1410	1700	1530	1.2	B	EX PERIOD OF WEAK,ST ABSN.ONE FAIRLY SHARP EDGE.
760403	1755	2030	1840	2.8	C	SEVERAL SHARP PEAKS.
760403	2100	2200	2120	1.0	B	
760403	2220	0120*	2300	1.6	B	2 B FEAS FOLLOWED BY EX PERIOD OF WEAK,IRREG ABSN.
760404	0120	0515	0145	3.9	C	ST.TOO IRREG FOR D.
760404	0515	0920	0620	7.2	E	L(#1.0DB0515-0610),MF(0610-0920).
760404	0920	1250	1215	2.8	C	ST.
760404	2000	2115	2040	2.3	F	F-TYPE EDGE,PREC.BY L(WITH A-TYPE DIP).FAST REC.I.
760404	2115	1500*	0545	4.2	E	EX PERIOD W IRREG FEA.3.6DB@2210;3.1DB@3310.
760405						
760406	0900	1400	1015	4.0	E	UNUSUAL ST AT 0940 SUDDEN DROP IN ABSN. T 1215-1400
760406	1610	1650	1630	0.8	B	CUSP.
760406	1710	1920	1820	1.5	C	ST.INTERFERENCE.
760406	2100	0130*	2340	2.5	C	L W ST.,2100-2300.MF HAS ST.,&A-TYPE SYMM.
760407	0250	0520	0355	2.7	C	A-TYPE SYMMETRY.ST.
760407	0735	1450	1105	3.6	E	1140-1450 T,W SMALL D-TYPE FEATURE.3.3DB@0840.
760407	1715	1905	1720	0.8	A	SHARP ONSET.
760407	1915	2355	2055	2.2	E	EXACT START CONFUSED BY INTERFERENCE.2.1DB@2215.
760408	0000	0240	0020	2.3	C	
760408	0350	0830	0430	2.8	E	ST.
760408	0920	1345	1040	1.5	E	
760408	1400	1510	1445	0.6	A	
760408	1750	1840	1820	0.6	A	
760408	1900	2000	1950	1.0	B	SMALL PEAK
760408	2100	0555*	0245	3.4	A	L,2100-2520.L HAS A-TYPE FEA(2210-2300).1.3DB@2240.
760409	1040	1300	1200	0.4	A	MAY BE ARTEFACT OF Q.D.CURVE.
760409	1410	1500	1430	1.6	F	

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
760409	1500	1800	1715	1.5	A	ST.1.0DB@1550.
760409	1800	2220	2100	2.3	C	2.1DB@ 1850.
760409	2340	0545*	0400	4.5	B	2,B-TYPE. IRREG L 2340-2515. 1.0DB @ 0000 AND 0040
760410	0650	0915	0730	1.0	A	
760410	0915	1200	1020	0.9	B	WEAK,IRREG ABSN.W ONE B-TYPE FEATURE.
760410	1200	1240	1215	1.5	C	L(1200-1215),EDGE &
760410	1215	1700	1330	1.6	C	PER OF STEADY ABSN.(#0.8DB)CONTAINING 2 SMALL FEAS.
760411	0000	0410	0055	0.9	A	0.9DB@ 0245.
760411	1120	1345	1200	1.5	C	
760411	1345	1510	1435	2.4	C	PEAKS.ST.
760411	1930	2300	2205	1.3	A	SECOND DIP SUPERIMPOSED AT END.0.9DB@ 2015.NEAR1930
760412	0500	0645	0520	1.5	C	
760412	0745	1845	0815	2.2	E	EXT.FEA TYPE C. INITIAL DIP(0745-0900)FOLL BY T.
760413	0100	0315	0150	1.7	A	
760413	0415	0810	0515	1.2	A	
760413	1020	1420	1230	0.8	A	
760413	0610	1815	1700	0.7	A	
760413	2200	2315	2230	1.2	B	MAY HAVE L,FROM #2030.
760414	0400	0711	0555	1.2	A	CHART ENDS 0711.NEW CHART BEGINS 0723.
760414	0723	1210	0750	3.2	E	END OF LGE FEATURE.
760414	1250	1515	1400	1.6	C	L.
760414	1700	1850	1710	1.0	B	T.
760414	2015	0020*	2102	2.0	C	L(2015-2100),T
760415						
760416	0315	0610	0420	1.3	A	
760416	2140	0010*	2145	2.1	C	MF(2140-2200)T.ONSET SHARP.SMOOTH M.F.
760417	1921	1929	1924	0.5	B	SMALL FEATURE.
760518						
760419	0220	0500	0310	0.6	A	
760419	1100	1320	1120	0.5	A	
760419	1605	1830	1710	1.8	C	MF(1605-1715);T. ST.
760420						
760421	1600	1920	1740	0.6	A	
760422	0245	0645	0430	1.1	C	BLUNT CUSP.
760422	0645	1205	0840	1.9	C	PERIOD OF IRREG.ABSN.L(0645-0740);1.7DB@0940.
760422	1850	1945	1915	1.3	B	CUSP.
760422	2055	0500*	2310	2.1	E	LGE FEA.,W CONSIDERABLE ST,BUT A-TYPE SYMM OVERALL.
760423	0500	1000	0520	1.7	D	LONG T.
760423	1600	1830	1950	0.5	A	
760424	0455	1250	1940	2.3	E	LGE.FEATURE,ST.
760424	1710	1950	1835	3.1	C	1 V.SHARP PEAK,RATHER THAN EDGE.
760424	2115	2245	2200	0.9	A	
760424	2310	0030*	2315	1.3	B	CUSP.
760425	0300	0410	0320	0.5	A	
760425	0555	0730	0630	1.7	A	UNUSUALLY DEEP .
760425	1950	2220	2115	2.0	C	L,1950-2045.
760426	0540	0750	0625	0.6	A	
760426	1600	1745	1710	0.5	A	
760427	2350	0145*	0040	0.7	A	
760427	0320	0720	0550	1.1	A	T,0620-0720. 1.0DB@ 0420.
760427	1810	0040*	2340	1.3	A	I & SL ST.
760428	2030	2330	2145	2.5	C	L,2030-2140.
760429	0250	0420	0345	0.7	A	
760429	1230	1500	1315	1.1	B	PERIOD OF STRUCTURAL ABSN.
760429	1530	1800	1650	0.6	A	

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
760429	1800	2020	1930	0.9	A	ST.
760429	2030	2330	2207	2.9	C	2030-2150,L.ST.
760429	2330	0210*	0020	1.7	C	1.4DB@2350.
760430	0410	0800	0515	2.2	E	
760430	0820	1100	0900	1.9	E	
760501						
760502	2000	2115	2000	5.8	F	
760502	2200	0100*	2310	6.6	E	CONSIDERABLE ST.PULSATIONS. MAJOR STORM.
760503	0100	1050	0155	2.4	E	CONSIDERABLE ST.PULSATIONS.6.7DB@0555.3.1DB@0840.
760503	1100	1240	1200	2.6	C	ST.
760503	1910	2040	1955	0.8	A	
760503	2110	2315	2125	0.8	A	PERIOD OF WEAK ABSN.
760504	0015	0110	0050	0.9	B	CUSP.
760504	0130	1315	0810	2.4	A	PO ABSN W BROAD FEAS GRAD INCREASE IN INTENSITY
760504	1530	0660*	0230	3.6	E	IRREG ABSN 1655 2.1DB 1855 2.9DB 2030 2DB TM UNSURE
760505	1020	1730	1230	1.3	E	P.O. SLOWLY VARYING ABSN.1.2DB@0515. 0.8DB@1105
760505	1820	2250	1905	1.7	B	PERIOD OF IRREG.ABSN.
760506	0000	0320	0100	1.0	A	MF(0000-0200)T.
760506	0320	0605	0340	2.2	D	
760506	0720	0910	0800	1.1	A	
760506	0910	1350	1050	1.1	A	SOMEWHAT IRREG.
760506	1940	0330*	2310	3.3	C	PERIOD OF STRUCTURAL ABSN,# SYMMETRICAL OVERALL.
760507	2040	0115*	2350	2.1	E	IRREG.L(2040-2305),MF ST.#1.0DB.
760508	0240	0530	0255	2.7	D	PEAK SLIGHTLY CUSPED.
760508	0720	0820	0750	0.8	A	
760508	1900	1930	1915	0.6	A	
760508	2030	2200	2115	1.0	B	
760509	0120	0330	0145	0.8	A	
760509	0450	0600	0515	0.5	A	
760509	2330	0900*	0450	1.1	A	REMARKABLE PERIOD OF STEADY ABSN.
760510	1540	1615	1543	0.8	B	
760511	0200	1000	0740	1.5	A	ANOTHER PER OF STEADY ABSN.W A-TYPE DIP NEAR END.
760511	1100	1350	1245	0.6	A	
760511	1740	1915	1745	1.4	C	
760511	2140	0110*	2220	1.4	C	L.(2140-2220) 1.3DB@2305.
760512	1220	1400	1320	0.5	A	
760513						
760514	1810	0600*	2100	0.9	A	EXTENDED PERIOD OF STEADY ABSN.
760515	2220	2345	2250	2.2	C	DEEP FEATURE,SYMMETRICAL.NO ST.
760516						
760517						
760518						
760519	1805	0420*	0020	1.7	B	PERIOD OF IRREG.ABSN.1.2DB@2155. 0.9DB@1850.
760520	0420	0820	0620	1.7	E	
760520	1050	1240	1100	0.6	A	END OF FEATURE. NEAR 1240.
760520	1605	1955	1855	1.1	B	PERIOD OF IRREG.ABSN.0.8DB@ 1755.
760520	1955	2250	2020	1.7	C	MUCH ST.T.2200-2250.
760520	2250	0210*	2345	1.0	A	PERIOD OF # STEADY ABSN.
760521	0210	0400	0230	3.4	D	
760521	0400	0040*	0435	1.3	A	
760522	0220	0350	0245	0.5	A	
760522	0700	0840	0730	0.5	A	
760522	1530	1600	1540	0.5	A	
760522	1810	2050	2007	2.0	E	2 FEATURES,SECOND W ST.1.1DB@1850.
760522	2050	0000*	2050	3.1	F	CLASSIC FEATURE.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
760523	0750	1200	0910	3.4	E	LGE.SCOOP.
760523	1250	1420	1340	1.3	C	COMPLEX FEA,A-TYPE DIP FOLLOWED BY SHARP EDGE.
760523	1630	2130	2000	0.6	A	4 MINOR FEATURES.
760524	0110	0300	0200	0.8	A	
760524	0300	0440	0320	0.5	A	
760524	0600	0730	0630	0.6	A	
760525	2300	0145*	0110	0.6	A	
760525	0640	1000	0745	0.8	A	CHART ENDS 1236.NEW CHART BEGINS 1300.
760525	1540	1630	1610	0.9	B	
760526						
760527						
760528	0015	0030	0040	1.0	A	SHORT EVENT.
760528	1000	1300	1150	0.9	A	
760528	1315	1420	1320	0.9	B	
760528	1730	1950	1915	1.1	A	0.6DB@ 1755.
760528	1950	2330	2000	2.8	F	2 F EDGES FOLL.BY A PER.OF VARYING ABSN.@ 2000&2030
760528	2330	0200*	0025	2.0	C	
760529	0230	0500	0355	1.3	C	IRREGULAR.
760529	1030	1605	1050	2.1	C	MF(1030-1230),FOLL.BY T WITH A-TYPE DIPS.
760529	1900	2015	1945	2.6	C	ST.
760529	2015	2050	2025	7.0	C	VERY DEEP FEATURE,REACHING MAX.ABSN.IN # 5 MINS.
760529	2050	0600*	2350	2.8	E	PERIOD OF IRREGULAR ABSN.2.2DB@2250;1.7DB@2720.
760530	0940	1220	1150	1.3	A	
760530	1220	1630	1340	0.6	A	SLOWLY VARYING ABSN.
760530	1720	2050	1830	2.0	A	ST.
760530	2050	0115*	2210	2.7	C	CUSP.2300-2515.T.
760531	0300	0700	0420	2.0	D	L,0300-0350;.RATHER SLOW ONSET FOR D.
760531	0715	1340	0900	0.8	A	PERIOD OF SLOWLY-VARYING ABSN.
760531	2040	0000*	2210	0.8	A	
760601	0850	1210	1015	0.8	A	CHART ENDS 1118. LEVEL CHANGES.
760601	1635	1650	1640	0.5	A	TINY FEATURE.
760601	1815	1940	1853	1.0	B	L,1815-1840,T.
760601	1945	2215	2043	1.0	A	ST.
760601	2215	0130*	2319	1.3	C	SOME DOUBT ABOUT Q.D.
760602	0600	0830	0654	0.9	A	
760602	2020	2220	2106	0.6	A	SOME SLOWLY-VARYING ST.
760603	0040	0210	0133	0.6	A	I.
760603	0400	0530	0527	0.9	A	I.
760603	0730	2200	1913	0.9	A	0.6DB@ 2115.
760603	2300	0020*	2335	1.2	A	
760604	0240	0440	0317	2.0	C	ST.
760604	1040	1230	1129	0.5	A	
760604	1320	1520	1411	1.2	A	ST.
760604	1640	1920	1713	0.7	A	
760604	1920	2240	2135	1.8	C	L,1920-2100.
760605	0440	0610	0454	1.3	D	SMALL.I.
760605	0610	0930	0725	1.0	A	I.
760605	1210	1540	1240	1.5	C	L,1210-1235 T
760605	1910	0100*	2311	2.0	E	PERIOD OF STRUCTURAL ABSN. 1.8DB@2025.
760605	2300	0330*	0228	1.3	E	
760606						
760607	2240	0020*	2352	0.6	A	
760607	0315	0510	0410	1.3	A	
760607	0615	1000	0745	0.8	A	
760607	1400	1545	1438	0.8	A	ST @ END.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
760607	1545	1800	1651	0.7	A	
760607	2140	0030*	2215	2.2	F	L(2140-2212).
760608	0430	0800	0628	0.7	A	
760608	0950	1150	1111	0.6	A	
760608	1225	1320	1312	0.5	A	WEAK.
760609	1100	1420	1253	0.5	A	SOME DIFFICULTY WITH Q.D.CURVE. SOME I.
760609	1910	2100	1945	0.5	A	SOME DIFFICULTY WITH Q.D.CURVE. SOME I.
760610	1460	1600	1509	0.5	A	SOME DIFFICULTY WITH Q.D.CURVE.
760610	2250	2350	2325	2.7	C	
760610	2350	0630*	0339	5.4	E	CONSIDERABLE ST.
760611	0630	0735	0657	0.9	A	
760611	0800	1030	0819	0.6	A	WEAK ABSN.
760611	1030	1450	1135	1.3	C	FEATURE CONSISTS OF SEVERAL PEAKS & T.
760611	1630	1835	1647	0.9	B	FEA.SIMILAR TO ONE IMMED.PRECEEDING,BUT WEAKER.
760611	2015	2200	2055	1.0	B	ST,INCL.1 SHARP EDGE. Q.D.LEVEL UNCERTAIN.
760611	2315	0030*	2349	1.0	A	Q.D.LEVEL UNCERTAIN.
760612	1030	1500	1308	0.9	A	L(1030-1145)MF W SOME ST;T.(1330-1500)
760613	0810	0920	0854	0.6	A	
760614						
760615	2035	2215	2049	2.2	C	SYMMETRICAL,MF 2035-2105;T.
760616	1025	1150	1107	0.6	A	WEAK.
760617	0435	0530	0507	0.5	A	
760617	1035	1120	1056	0.4	A.	
760617	1930	2320	2129	0.9	A	L(1930-2115)
760618	0000	0400	0147	1.6	E	IRREG ST;ROUGHLY A-TYPE SYMMETRY OVERALL.
760618	0450	0630	0510	1.0	A	
760618	1900	2200	2055	1.7	A	LGE,SOMEWHAT IRREG.A-TYPE FEATURE.
760618	2200	0130*	2314	0.7	A	MF (2200-0000)T.
760618	1915	0000	2040	0.8	B	L(1915-2040);MF(2040-2215);T(2215-0000);0.8DB@2315.
760619						
760620	0825	1315	0907	1.2	A	
760621						
760622						
760623	0220	0530	0303	0.9	A	
760624	0400	0840	0437	0.9	A	
760624	1740	1855	1804	1.2	A	
760624	1855	2100	2014	1.3	C	BLUNT CUSP.
760624	2100	2220	2117	1.0	B	2 PEAKS.TAIL TO PRECEEDING FEATURE.
760624	2245	0415*	2328	1.9	C	2 FEAS #1 HR LONG SEP BY PO WK ABSN 2700-1.5DB
760625	0430	1115	0539	1.2	A	PERIOD OF SLOWLY VARYING ABSN.LONG T.
760625	1150	1615	1358	0.6	A	SMALL FEATURES.
760625	1645	2110	2000	2.0	C	L(1645-1900),MF W ST.
760625	2110	0020*	2214	2.1	C	
760626	0210	0350	0242	0.5	A	
760626	1955	2330	2023	1.2	B	MF (1955-2130)T(CONFUSED BY I.)
760627	0200	0320	0243	0.7	A	
760627	1800	2030	1928	0.6	A	
760628	2345	0900*	0048	1.1	A	PERIOD OF SLOWLY-VARYING ABSN.1.0DB@ 3125.
760628	1255	1440	1338	0.6	A	TINY FEATURE PRECEEDING SMALL FEATURE.
760629						
760630	0750	0930	0831	1.6	D	
760630	1050	1520	1150	2.4	C	MF (1050-1245)T.
760630	1650	1830	1750	1.0	A	ST.
760630	2105	2220	2115	1.5	C	ST.ROUND PEAK.FEATURE COULD BE WEAK F-TYPE.
760630	2350	0740*	0447	2.2	E	2 IRREG.FEATURES.#EQUAL DURATION,2ND W PULSATIONS.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
760701	0750	1100	0900	0.8	A	ST.
760701	1120	1500	1155	1.9	D	2 SINGLE FEAS TOGETHER 1319-1.5DB
760701	2100	2230	2119	1.2	B	CUSP.
760701	2350	0220*	0053	2.2	C	L,MF(0030-0130);T.MF IS LGE.SOMEWHAT IRREG.,SCOOP.
760702	0715	1230	0747	0.9	A	EXTENDED PERIOD OF SLOWLY VARYING ABSN;<1.0DB
760702	1230	1700	1339	1.2	A	
760703	0520	0640	0604	1.1	B	BLUNT CUSP.
760703	0745	1510	1135	1.8	E	2 LGE FEAS.DIFF.TO CLASS.SL.VARYING,NO V SHARP PEAK
760703	1552	1620	1554	0.8	B	
760703	2000	2305	2058	2.5	C	L,(2000-2040) MF W 2 BROAD PEAKS T 2150-2305
760704	0640	1410	0851	1.8	E	L,(0640-0840).
760704	1445	1715	1614	0.6	A	SOME BROAD ST.
760704	1715	2100	1947	4.2	C	L,1715-1845 C,1845-1942,F,1942-2100 T ENDS W I
760705	1445	1620	1507	0.8	A	
760705	1940	2230	2205	0.6	A	
760706	0100	0300	0144	2.1	C	L.,M.F(0120-0220),T.
760706	1500	1850	1535	0.9	A	LARGER FEA.1511-1730,FOLLOWED BY SMALLER 1730-1850.
760707	0210	0410	0245	1.3	C	PULSATIONS.
760707	0445	0545	0511	0.4	A	
760707	1050	1510	1153	1.0	A	
760707	2220	0040*	2251	2.2	C	L;MF(2245-2305);T.SINGLE PEAK.
760708	0400	0900	0554	2.2	C	MF IS SYMMETRICAL T
760708	1320	1645	1403	2.5	E	2-PEAKED MF(1320-1600);T.SOME I.
760708	1725	2115	1959	2.6	E	L1725-1950 MF IS SHARP PEAK T. SOME I
760708	2340	0100*	0005	2.1	C	ST, I
760709	0300	0430	0338	1.2	A	ST,.I.
760709	0430	0720	0523	0.8	A	ST,.I.
760709	1100	1600	1207	1.0	A	ST.EX.PER.OF SOMEWHAT IRREG.ABSN.SMALL PEAKS.
760710	0545	0940	0634	2.1	C	MF 0545-0650 T
760710	1020	1350	1100	0.8	A	MF1020-1215.
760710	1920	2110	1939	0.6	A	SOMEWHAT IRREGULAR.
760711	1030	1520	1300	0.5	A	SMOOTH DEPRESSION OF TRACE.
760712	0000	0050	0021	0.5	A	
760712	0105	0150	0125	0.5	A	
760712	2100	2130	2118	0.6	A	
760713	0800	0940	0840	0.5	A	I.CHART ENDS 1217.
760714	0245	0400	0259	0.5	A	IRREG;I.
760714	1510	2240	1713	0.8	A	EXTENDED PERIOD OF SMOOTH ABSN.
760715	0150	0430	0255	0.8	A	
760715	1700	0300*	1939	2.3	E	3 PEAKS.
760716	0540	1230	0842	2.1	E	FEA.W A-TYPE SYMM.& SOME ST.
760716	1230	0030*	1505	0.6	C	LONG PO STEADY ABSN F-TYPE EDGE 1909
760717	1730	2015	1848	0.5	A	
760718	0300	2030	1444	1.2	A	EX.PER.OF STEADY ABSN.,LENGTHY L.TO NEXT FEATURE.
760718	2030	0105*	0022	1.9	C	1.5DB@ 2208.
760719	1500	1930	1800	0.5	A	CHART ENDS 1222. (20/07/76)NEW CHART BEGINS 1244.
760720						
760721	0000	1120	0344	1.2	A	EX.PER.OF#STEADY ABSN.10 MIN'EDGE'@#0330L.T.
760722						
760723	0310	0450	0400	0.9	A	
760723	1600	2000	1659	1.6	C	L;MF.630-1715;T.DEC.OF T.ABSN.IS V.GRADUAL.
760724	2010	2050	2023	0.6	A	
760725	0130	0330	0154	1.2	C	
760725	0955	1110	1025	0.5	A	
760725	1330	1950	1624	0.5	A	PERIOD W A-TYPE FEATURES.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
760725	2102	2300	2102	1.2	F	F-EDGE CONFUSED W AUTOMATIC TIME-MARK.T,2130-2300.
760726	2320	0300*	0210	1.3	A	L,1.3DB 0210
760726	2150	2210	2207	0.9	A	
760727	1108	1950	1316	0.5	A	PERIOD OF IRREG.ABSN.WEAK FEATURES.NEAR 1950.
760727	2000	2200	2021	1.7	C	MF2000-2030;T.
760727	2345	0110*	0043	2.0	C	SINGLE FEA.,ASYMM.CUSP,PREC.BY L W I IN IT.
760728	0110	0530	0200	1.1	A	
760728	0620	1300	0700	1.7	C	SCOOP,0620-0730;T,
760728	1440	1930	1755	2.6	C	C-TYPE PEAKS.
760729	0130	0445	0235	3.8	C	PEAKS AND ST. 3.7DB@0155.
760729	0900	1800	1146	2.7	E	GEN.LEV.DEC.TO 0.6DB,BUT TRACE HAS SEV.BROAD PEAKS.
760729	1800	0350*	1950	2.2	E	GEN.LEVEL#1.3DB.CUSP AT #1950,BROAD PEAKS LAT.HALF.
760730	0350	0555	0415	4.0	D	ST.
760730	0555	1020	0616	4.4	D	LEVEL RECOVERS TO#1.4DB BETWEEN FEATURES.ST.
760730	1150	1450	1224	2.4	C	ST+SHARP PEAK.T,#1315-1450.
760730	1940	0100*	2219	0.7	A	PERIOD OF SLOWLY-VARYING ABSN W SOME SMALL FEATURES
760731	0640	1500	0855	1.4	A	ST.MF0800-0920,L.,T.
760731	1500	2020	1745	0.6	A	
760731	2020	2250	2200	0.4	A	
760801	0540	0640	0608	0.6	A	L, MF (0600-0640).
760801	1500	2320	2107	2.8	F	STRUCTURED L 1.7DB EDGES @ 2019& 2107.
760802	0205	0345	0250	1.6	C	
760802	0630	0715	0650	0.6	A	
760802	0830	0950	0911	0.7	B	
760803	0000	1445	0613	2.5	E	
760803	1510	1900	1623	1.2	A	L, MF (1550-1650). T.
760803	2000	2145	2034	1.8	C	
760804	0130	0240	0212	1.0	A	L, MF (0200-0240).
760804	1410	1805	1549	0.4	A	
760805	0205	0400	0301	0.9	A	
760805	1300	1530	1428	0.8	A	
760805	1530	1740	1634	1.3	B	L, SMALL SINGLE ROUNDED PEAK. T.
760806	0250	0430	0319	2.2	C	
760806	1300	1930	1536	0.8	A	SOMEWHAT IRREG.
760807	0915	1200	1000	0.5	A	
760807	1410	1930	1553	0.8	A	
760807	2015	2230	2200	1.3	A	EDGE @ 2200.
760808	0110	0210	0143	0.6	A	
760809	0650	1020	0742	2.8	C	2 BROAD FEAS ST ON 2ND. FEA.
760809	1230	1400	1314	0.5	A	
760809	2200	0045*	2345	0.7	A	2 DIPS.
760810	0105	0740	0400	2.9	E	IRREG L, MF (0330-0615), T.
760811	0000	0400	0132	1.3	E	CUSP L&T.
760811	0610	1010	0730	1.3	A	
760811	1010	1410	1223	0.8	A	
760811	1700	2220	1943	0.9	A	
760811	2320	0700	0115	0.8	A	
760812	0700	0830	0722	0.8	A	
760812	0900	1350	0918	0.8	A	
760812	1815	2030	1907	1.0	B	MF (1815-1930), T.
760813						
760814	1330	2020	1442	2.2	C	L, MF (1400-1450), T WITH SMALL FEA @1545.
760815	0030	1230	0521	0.8	A	
760815	2050	2115	2055	0.5	B	
760816	1400	1550	1421	1.4	C	MF (1400-1450),T.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
760817	0000	0110	0022	0.6	A	IRREG.
760817	0610	0720	0623	0.5	A	
760818						
760819	0405	0905	0450	0.8	A	2 BROAD DIPS.
760819	2145	2220	2150	0.6	A	SOME I.
760820	0945	1040	1000	0.5	A	WEAK IRREG FEA.
760821	1110	1210	1137	0.5	A	WEAK SOME BROAD ST.
760821	1800	1835	1813	0.5	B	
760821	2130	2330*	2228	1.6	C	L, MF(2200-2245), T.
760822	0000	0045	0010	1.3	B	TINY SHARP EDGE IN MF @0010.
760822	0045	0350	0101	1.2	A	
760822	1200	2120	1800	0.8	A	
760822	2120	0800*	0431	1.5	A	L, MF (0145-0530), T.
760823	0840	1310	1042	1.2	A	L, MF (1010-1103), T W SMALL PEAK.
760823	1310	1745	1421	0.9	A	SEVERAL WEAK FEAS.
760823	2113	2315	2121	3.8	F	EDGE @2113 MF(2113-2145). T.
760823	2315	1100*	0500	3.2	E	IRREG L (2315-2800). LGE DIPS.
760824	1100	1615	1206	2.4	C	IRREG DIP, MF (1100-1340). T.
760824	1730	1920	1823	2.4	C	L, MF (1750-1920).
760824	1945	2130	2028	1.2	C	I @END.
760824	2215	0000*	2253	1.2	C	L, MF(2245-2315). T.
760825	0210	0455	0254	2.3	E	PULSATIONS.
760825	0550	0840	0633	2.3	C	
760825	0840	1630	1057	2.3	E	BROAD MF (0840-1230), LONG T W SMALL FEAS.
760825	1630	2130	1811	5.1	F	L, MF (EDGES @ 1811& 1922). T.
760826	0030	0500	0240	2.8	C	L, MF (0210-0330). T.
760826	0500	1650	0655	3.3	E	ENORMOUS. SHORT L MF(0550-1650).
760826	1650	2000	1831	2.2	C	I @ END.
760826	2200	0320*	2354	2.5	C	
760827	0950	1510	1027	6.5	C	MF (0955-1120). T.
760827	1510	1740	1710	1.0	B	L, MF (1630-1730).
760827	1740	1920	1836	1.6	C	L, MF(1830-1920).
760827	1920	0140*	2247	1.2	C	L, IRREG ABSN.
760828	0140	0520	0343	0.6	A	
760828	1145	1300	1210	1.0	A	
760828	1300	1555	1349	1.7	C	CUSP SUPERIMPOSED ON TYPE A DIP.
760828	1555	1640	1602	1.3	C	
760829	0430	0750	0537	0.4	A	
760829	0750	1700	1008	0.7	A	
760830	0115	0250	0135	0.8	A	MF(0115-0222). T.
760830	0505	0830	1416	0.7	A	
760830	2130	2300	2222	1.0	A	
760831	1310	1600	1344	2.2	C	L, MF STARTING W SMALL EDGE (1337-1410). T.
760831	1600	1920	1732	1.1	A	
760831	1930	0200*	0017	0.9	C	I.
760901	0330	1000	0446	1.2	A	
760901	1445	1710	1526	1.0	A	L, MF(1520-1555), T.
760901	1710	1930	1800	0.8	A	
760901	2300	0145*	0122	1.2	A	
760902	0145	0445	0300	1.2	C	L, MF(0230-0415), T.
760902	0445	0730	0611	3.1	D	L, MF (0540-0730),
760902	0730	1045	0759	2.1	E	2 IRREG FEAS.
760902	1045	1410	1227	1.0	E	IRREG ABSN.
760902	1730	2030	1848	1.0	B	L (1730-1830).
760902	2030	0145*	2234	1.2	A	

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
760903	0205	0330	0245	0.8	A	
760903	0430	0830	0519	1.4	E	
760903	0830	1115	0911	1.2	A	
760903	1115	1530	1245	1.9	A	SHORT L (1115-1135).
760903	1530	2040	1728	0.6	A	
760903	2040	2240	2137	1.7	C	
760904	0240	0440	0318	1.8	C	IRREG.
760904	0440	0730	0615	2.7	E	
760904	0730	1130	0812	2.2	E	
760904	1200	1450	1300	1.1	A	
760904	1450	2040	1532	1.9	E	MF W CUSP. SHORT L (1450-1510).
760904	2040	0250*	0026	2.0	C	L (2040-2350).
760905	0345	0730	0552	0.5	A	
760905	1015	1200	1054	0.8	A	
760905	1210	1615	1343	1.0	A	
760906	0150	0715	0244	1.3	A	MF (0150-0400). T.
760906	0850	1900	1701	0.8	A	
760906	1930	2330	2121	0.9	A	
760906	2330	0510*	0112	2.1	C	L, MF (0045-0250), T.
760907	0815	2150	1330	1.2	E	
760907	2150	0245*	0018	0.9	A	
760908	0850	1750	1627	1.0	A	SV DEPRESSION OF TRACE.
760908	1750	2000	1924	1.4	C	SMALL EDGE @1924.
760909	0300	0500	0353	0.6	A	
760909	1300	1700	1508	0.9	A	
760910	2118	2200	2118	0.5	B	SOME I.
760910	2200	0830*	0027	1.2	C	FEATURELESS DEP. END VAGUE.
760911	2310	0920*	0400	1.0	E	
760912	1430	1930	1711	0.8	A	
760912	1930	0000*	2100	0.6	A	
760913						
760914	1330	1730	1508	1.2	A	
760915	0350	0830	0535	1.9	C	
760915	0900	1930	1200	0.8	C	
760915	1930	2320	2225	0.8	A	
760916	0530	0900	0637	0.9	A	
760917	1800	0210*	2340	1.5	F	IRREG L, MF (2330-2610).
760918	0315	0450	0334	3.4	D	
760918	0450	1140	0540	5.8	E	MF (0450-0800). T.
760918	1140	1630	1401	0.6	A	
760918	1800	2230	2100	0.7	A	
760919	1220	1420	1300	1.2	B	CUSP.
760919	1600	2105	1901	1.8	F	L, EDGE @ 1900.
760919	2245	0220*	2251	2.2	D	
760920	0020	0230	0051	3.5	D	
760920	0230	0530	0413	7.3	E	ABSN 2.0DB @ 0530.
760920	0530	1000	0700	6.9	E	2 BROAD,DEEP FEAS W ST.
760920	1000	1330	1116	1.6	C	IRREG ABSN.
760920	1700	2350	2118	4.0	F	STEPPED EDGES @ 2027 & 2039. L.
760920	2350	0245*	2353	3.1	F	MF (2350-0100). T.
760921	0245	0750	0333	3.7	C	
760921	0750	1500	0945	1.5	E	A-TYPE FEA FOLL BY PER OF IRREG ABSN.
760921	2200	0145*	2343	2.1	C	L, MF (2315-2405), T.
760922	0345	1110	0632	2.2	E	
760922	1110	1545	1302	1.5	E	

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
760922	1910	0030*	1938	2.0	F	L, MF (1937- 2050). T.
760923	0835	1130	0845	3.1	D	
760923	1135	1400	1141	7.0	F	L, MF (1138-1310), T.
760923	1400	1630	1510	0.6	A	L, MF (1450-1520), T.
760924	0145	0250	0206	1.0	A	
760924	1120	1630	1304	0.6	A	SV DEP. OF TRACE.
760925	0020	0230	0049	2.7	F	L, MF (0048-0135), T.
760925	0830	1230	0944	2.2	E	2 PEAKS.
760925	1230	1530	1413	0.8	A	
760925	1530	2250	1830	1.5	E	SHARP ISOLATED PEAK @ 1830.
760925	2250	0130*	2354	3.5	F	L, MF (2344-2510).
760926	0330	0700	0535	0.6	A	
760926	1240	1600	1435	0.7	A	
760927	0040	0245	0117	1.8	C	L, MF(0105-0200), T.
760927	0755	0940	0837	0.7	A	
760927	1020	1415	1201	0.7	A	BROAD ST.
760927	2120	0030*	2255	1.8	C	L, MF(2240-2430).
760928						
760929	2100	0530*	0358	0.8	A	L, MF(2720-2830). T.
760930	1900	0130*	2128	2.4	C	L, MF(2115-2230), T.
761001	0850	1440	1054	2.5	E	MF, T(1400-1440), BROAD ST.
761001	2050	0000*	2201	1.6	C	L, MF (2150-2250), T.
761002	0115	0350	0222	2.2	C	L TO NEXT FEA.
761002	0350	1115	0457	7.4	E	ENORMOUS. OVERRALL SHAPE # D.
761002	2210	0930*	0148	1.2	A	BROAD PEAKS.
761003	0940	1500	1149	1.5	A	
761004	0000	0230	0053	0.6	A	
761004	0640	0930	0730	0.7	A	MF(0640-0930) T.
761004	0930	1330	1207	1.0	A	BROAD ST.
761004	1400	1600	1500	0.6	A	
761005	0100	0600	0149	1.5	C	MF(0100-0305). T W 2 BROAD PEAKS.
761005	0930	1830	1250	1.5	A	BROAD ST.
761006	0515	0730	0536	1.0	A	MF(0515-0610), T.
761006	0800	1530	1027	2.7	E	L&T.
761006	1530	1950	1738	0.6	A	
761006	2100	2130	2108	1.2	B	
761006	2300	0140*	2335	0.6	A	
761007						
761008	1900	1030*	0322	0.8	E	BROAD PEAK 1500-1630.
761009	1400	1800	1613	0.6	C	
761010	2140	0330*	0135	1.7	C	IRREG L, MF(2450-2640), T.
761011	1920	2300	2125	1.3	F	L, MF(2123-2300).
761012	0120	0700	0400	1.2	A	L(0120-0240).
761012	1830	0010*	2139	2.2	F	IRREG.
761013	0520	0910	0718	1.1	A	L, MF(0650-0840).
761013	0940	1310	1238	0.6	A	QDC UNCERTAIN.
761014	1950	2250	2220	0.7	A	
761015	0540	1140	0619	1.2	A	4 FEAS.
761015	1600	2030	1944	3.9	F	2.9DB @2008.
761015	2030	2205	2051	3.5	C	
761015	2205	0630*	2352	2.3	E	P.O. IRREG ABSN.
761016	0630	1320	0748	4.7	E	
761016	1820	0130*	2231	3.7	F	IRREG L MF (2228-2530).
761017	0130	1400	0800	9.2	E	L, MF(0430-1020), T.
761017	1720	1920	1739	1.1	B	I @ END.

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761017	2150	0040*	0000	3.8	C	L, MF(2150-2250).
761018	0040	0600	0226	4.3	C	L, MF(0125-0330), T.
761018	0600	1140	0845	2.3	E	
761018	1140	1520	1251	5.0	C	L, MF(1230-1350). T.
761018	1950	2100	2013	1.6	C	L, MF (ROUNDED PEAK 2000-2020), T.
761019	1750	2230	1811	0.6	A	
761020	0000	0340	0211	1.2	A	L, MF(0150-0220), T.
761020	2110	0320	2147	0.5	A	MF (2110-2300), LONG T.
761021	0420	0820	0600	0.8	A	
761021	1300	0400*	0015	1.5	C	L, MF(2320-0110), T.
761022	0800	1100	0847	1.2	A	
761022	1130	1420	1211	0.8	A	
761022	2300	0730*	0345	0.8	A	
761023	1000	1400	1125	1.0	A	
761023	1510	1600	1536	0.6	B	
761023	1750	1900	1841	0.6	A	IRREG A DIP.
761024	1920	2000	1942	0.5	A	
761025	0030	0320	0100	0.6	A	
761026						
761027	1850	2210	2119	2.2	F	L, MF(2116-2210).
761027	2300	0200*	0030	1.3	C	L, MF(2355-0055), T.
761029						
761030	1310	1440	1400	1.8	C	
761030	1440	2200	1922	1.2	C	BROAD PEAK.
761030	2210	0000*	2229	3.8	D	
761031	0000	0400	0006	1.8	C	MF(0000-0050). T.
761031	0520	0950	0649	4.2	E	L, MF(0630-0950).
761031	1000	1310	1026	1.2	C	IRREG
761031	1310	1955	1934	1.0	E	
761031	1955	2040	1956	1.6	F	
761031	2040	2220	2213	4.6	F	L, MF(2111-2220).
761031	2220	0450*	0030	1.5	A	
761101						
761102	0750	1200	0900	0.6	A	SOME SMALL SCALE ST.
761102	1410	1530	1446	0.5	A	
761102	1715	2000	1746	0.8	A	IRREG.
761102	2157	0130*	0024	0.5	A	WEAK.
761103	0830	1400	1145	0.9	A	WEAK.
761103	2000	2300	2140	4.0	F	IRREG L MF(2135-2330).
761104						
761105						
761106						
761107						
761108	2300	0200*	0017	0.6	A	
761109						
761110	0550	0830	0615	0.8	A	
761110	1250	1500	1330	1.7	C	L, MF (1315-1355), T.
761110	1700	2020	1955	1.8	F	L, MF (1950-2020), L TO NEXT FEA.
761110	2020	0200*	2032	3.4	F	DEGRADED EDGE FOLL BY IRREG FEA. T(2430-2600).
761111	0200	0540	0406	3.7	E	L, MF (BROAD ST). T.
761111	0500	0830	0624	0.6	A	
761111	0830	1015	0945	1.8	C	
761111	1015	1430	1020	1.8	E	SMOOTH FEA.
761111	1530	1200*	1750	6.0	G	SPIKE DISTURBED PERIOD.
761111	2030	2130	2045	1.9	D	DOUBLE FEA.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
761112	0000	0330	0130	2.5	D	L. CLASSIC EVENT W ST.
761112	0600	0800	0640	1.8	C	IRREG.
761112	1120	1200	1130	1.0	B	
761112	2020	1130*	0720	6.0	F	MAJOR STORM. SEVERAL P O ACTIVITY.
761113	1730	2330	2115	2.7	F	L. SPIKE & FAST ONSET.
761114	0120	0320	0145	2.6	C	T.
761114	2220	0210*	2230	1.5	E	2 PEAKS.
761115						
761116	1410	1440	1430	1.2	C	SMALL PEAK & ST.
761117						
761118						
761119						
761120						
761121						
761122						
761123						
761124						
761125	0500	1230	0605	1.0	A	BROAD ST.
761126	0400	0600	0445	1.0	A	I.
761127						
761128						
761129						
761130	0320	0600	0510	0.6	A	SMOOTH GRADUAL DEP.
761201						
761202						
761203						
761204	2155	0130*	0020	1.3	E	L, (2155-2330). SMOOTH DIP & T.
761205						
761206						
761207	0300	0500	0305	1.0	B	SMOOTH FEA.
761207	2040	1300*	0150	3.3	D	L OF 4 HRS DURATION. SERIES OF SMALL PEAKS.
761208						
761209	0900	1245	1015	2.0	E	L, BEFORE 4 PEAKS.
761209	1430	0130*	2140	1.6	E	L,(1430-1745). IRREG PEAKS. SUDDEN ONSET @ MAX ABSN
761210	0350	1100	0545	0.6	A	WEAK & IRREG.
761210	1540	1730	1653	0.5	A	IRREG & WEAK.
761210	2100	0130*	2310	1.6	C	SYM.
761211	0300	1400	0500	2.0	E	SERIES OF SMALL PEAKS BET. (0730-0830).
761211	2200	0700*	0110	2.1	E	MODERATE STORM. L&T.
761212						
761213						
761214						
761215						
761216	1300	0300*	2040	0.6	A	SOME ABSN BUT LOST IN I.
761217	1600	1000*	0500	3.0	E	PULSATIONS. IRREG ABSN.
761218	2100	2300	2120	2.0	C	
761219						
761220						
761221						
761222	0800	1000	0840	0.6	A	
761222	1250	1330	1315	0.7	B	3 PEAKS & T.
761222	1820	2300	2000	1.3	C	SHORT PEAK& T.
761223	2300	0000*	2340	0.5	A	SLIGHT DIP.
761224	1100	1200	1140	0.6	A	
761225						

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
761226	0540	0700	0610	0.6	A	
761227	1940	2330	2040	0.9	A	
761228						
761229	0100	1020	0840	3.5	E	MAJOR STORM W ST. L (0100-0130)
761230	2000	0700*	0400	3.7	E	STORM FEW BROAD PEAKS. LITTLE ST.
761231						
770101	0900	1500	0940	1.6	D	IRREG ABSN
770102	0100	0200	0115	1.2	C	
770103	2100	2300	2146	0.5	A	WEAK
770104						
770105	0000	0130	0040	1.7	C	
770105	1700	0000*	2100	2.7	F	L FOLL BY SUDDEN ONSET
770105	0000	0630*	0240	2.3	D	
770106	0800	1415	1040	1.0	A	
770107	0130	0230	0140	0.9	A	
770108						
770109						
770110						
770111	1830	1900	1840	0.8	B	SMALL PEAK
770111	2230	0340*	0230	1.0	A	BROAD FEA
770112	2200	0300*	0015	1.8	A	TRACE LEVEL UNSTEADY
770113	0300	0600	0435	0.5	A	STEADY ABSN
770114	0115	0215	0130	1.0	C	
770114	1900	0900*	0500	2.7	E	T.
770115	0900	1800	1000	1.1	C	T(0800-1800).
770116						
770117						
770118	0015	0300	0050	0.5	A	
770119	1830	0700*	2350	2.1	E	SERIES OF PEAKS. T.
770120	1130	1530	1130	1.3	E	NO IRREG FEAS.
770120	2020	0130*	2300	2.0	E	L.
770121						
770122	1500	1600	1530	0.6	A	
770122	2330	0300*	2350	1.0	A	
770123						
770124	0130	0300	0240	1.3	C	
770125	1350	1550	1405	1.2	C	2 PEAKS & T.
770125	2300	0300*	2315	1.2	E	
770126						
770127						
770128	2115	2300	2120	5.8	F	MAJOR STORM
770128	2300	0030*	2340	1.0	A	BROAD PEAK.
770129	0600	1400*	1130	1.8	E	
770129	1830	1950	1534	0.5	A	MINOR DIP.
770129	2250	0015*	2300	1.7	C	ST.
770130	0100	0400	0310	2.0	E	
770130	0600	1400	0830	3.2	E	IRREG ST
770131	0015	0115	0015	4.0	F	# FEA 761209.
770131	0200	0630	0400	1.7	C	L & T
770131	0630	1200	0800	3.6	E	1
770201						
770202						
770203	2220	0050*	2330	2.5	C	
770203	0330	0600	0440	1.3	A	DIP
770203	2140	0100*	2320	2.1	C	L&T

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770204						
770205	0730	1300	0940	1.2	E	
770206	2040	2120	2040	4.2	F	# 761209. SPIKE ONSET.
770207	0000	0300	0100	2.0	E	
770207	0430	0700	0515	1.8	C	
770207	1930	2215	1950	1.0	A	3 MINOR DIPS
770207	2215	0130*	2215	2.2	F	SHORT EVENT
770208	0130	0400	0200	2.1	C	
770208	0800	1200	0930	2.0	E	
770208	1930	1400*	1930	4.0	F	I
770209	0800	1400	1130	2.4	C	I
770209	1900	2200	2000	1.3	B	L&T
770209	2300	0100*	0030	2.4	C	
770210	1310	1400	1320	1.7	C	2 SHARP FEAS
770210	2140	0140*	2210	2.0	C	SHORT L
770211	0340	1300	1120	3.0	E	
770211	1330	1500	1410	1.0	B	MINOR PEAKS
770211	2150	0030*	2240	0.7	A	2 MINOR PEAKS & T.
770212						
770213	0420	0710	0500	0.8	A	IRREG DIP
770213	0800	1200	1000	0.7	A	
770214	1320	1515	1410	1.6	C	L & 2 PEAKS
770214	1710	0230*	2010	2.3	F	SHARP ONSET @ 1950. L (1710-1950). & T. 1.
770215	1910	0600*	2115	2.2	F	SHARP ONSET.
770216	0700	1300	0900	0.6	A	
770217	0500	1800	0000	0.8	E	1500-1700 1. MINOR DIP.
770218	0415	0515	0440	3.0	C	SYM. I.
770219						
770220	2240	0000*	2350	0.9	B	BROAD PEAK.
770221	1430	1620	1520	0.7	B	
770222	1800	0500*	2350	1.3	E	L&T
770223	1315	1630	1430	1.3	C	BROAD PEAK
770223	1825	0230*	2220	2.0	D	L(1815-2215) &MF(2215-0000) &T(0000-0230).
770224	1315	1600	1350	1.8	C	ST & T
770224	1800	2030	1350	1.8	F	L, ST FEA W SPIKE & T.
770225	1900	2200	2100	4.5	C	
770225	2200	0200*	2305	1.1	A	2 MINOR PEAKS & T.
770226	0500	0800	0530	0.7	A	
770227	2350	0100*	0015	1.1	C	
770228						
770301	1600	1700	1630	0.7	B	
770301	1930	2300	2100	2.1	C	MF (2040-2110)
770302						
770303						
770304						
770305						
770306	1430	1600	1440	0.8	B	
770307						
770308	1620	0010*	2123	0.4	A	L TO MAJOR STORM
770309	0010	0640	0240	1.3	E	IRREG ABSN
770309	0640	1200	0700	3.4	D	
770309	1200	1400	1305	3.0	C	ST. SHARP PEAKS.
770309	1400	2130	1630	0.5	A	WEAK ABSN
770309	2140	2240	2150	4.9	E	ST.
770309	2240	0040*	2355	1.0	B	IRREG

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
770310	0040	0400	0120	3.0	C	ST.
770310	0530	1130	0620	3.3	E	3 BROAD PEAKS.
770310	1400	1415	1406	0.6	B	STEADY ABSN.
770310	1740	2240	2158	1.2	A	L TO NEXT FEA.
770310	2240	0000*	2250	7.8	G	SPIKE, FOLL BY SHARP ONSET OF 2ND PEAK.
770311	1000	1230	1100	0.8	A	DIP
770311	1810	0400*	2040	5.0	F	ST&L.
770312	0600	0800	0700	1.0	C	BROAD DIP.
770312	0840	1100	0910	2.0	D	ST IN CLASSIC TYPE EVENT
770312	1640	0220*	0120	3.0	E	SEVERAL PEAKS.
770313	1000	1300	1150	1.0	A	BROAD DIP.
770313	2000	2130	2036	0.5	A	L TO STORM W 2 SMALL PEAKS
770313	2120	2200	2140	3.4	G	SIMILIAR EVENT TO 2250 ON 77-03-10. DOUBLE FEA.
770313	2250	2330	2300	2.1	C	
770314	0230	0340	0310	2.5	C	
770314	0400	0715	0453	0.8	A	STEADY ABSN.
770314	0715	1030	0740	1.9	E	SMOOTH W 2 DIPS.
770315	0540	1700	0840	0.9	A	
770316	0630	1000	0700	1.3	A	BROAD FEA.
770317	1300	1520	1430	1.8	C	L (1300-1405). ONE SHARP EDGE.
770318	0040	0900	0110	1.8	C	2 BROAD PEAKS & LONG TAIL.
770318	1300	1500	1320	1.1	B	1
770319	0040	1700	0620	0.8	A	WEAK IRREG I
770319	1930	2200	2030	0.8	A	
770320	0000	0800	0020	1.5	A	
770320	2050	0000*	2050	3.0	F	SHARP ONSET
770321	1910	0100*	0010	1.2	A	
770322	0620	0930	0710	1.2	A	
770323	0130	0600	0330	1.0	A	SYM
770323	0740	1130	0820	1.2	A	
770323	2220	0300*	2320	1.9	E	TRACE DISTURBED, AT END.
770324	0520	1200	0730	1.2	A	IRREG
770324	1930	2150	1950	1.2	C	ST.
770325	0010	0320	0220	0.9	A	
770325	1850	2240	2045	3.4	F	3 SPIKES
770326	0020	0240	0130	1.0	A	BROAD DIP
770326	0240	0530	0320	2.9	C	IRREG
770326	0730	1030	0830	1.5	C	BROAD FEA
770326	1430	1700	1550	1.3	A	
770326	1700	2030	1810	0.7	A	
770327	2300	0040*	2310	1.0	B	
770328	0350	0600	0430	1.5	C	
770328	0840	1130	0920	1.5	C	BROAD DIP
770328	1720	1820	1720	2.3	F	SMALL SPIKE
770329	0220	0330	0250	1.2	C	I
770330						
770331						
770401	0640	1200	0720	0.7	A	
770401	1500	1600	1530	0.8	A	ST
770402	2300	0320*	0005	1.0	B	
770403	0000	0320	0055	0.9	A	
770403	2200	0040*	0000	0.8	A	L TO MAJOR STORM
770404	0040	0320	0215	4.7	E	ST
770404	0610	1300	0630	6.3	D	LARGE CLASSIC FEA W ST
770404	1830	2020	1850	1.1	B	

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
770404	2020	2205	2040	3.4	C	ST
770404	2205	0020*	0000	0.8	A	
770405	0020	0210	0100	1.8	C	IRREG
770405	1700	1930	1820	2.2	E	
770405	2050	2210	2100	2.0	F	
770405	2350	0200*	0115	3.7	E	IRREG
770406	0610	0900	0630	2.5	E	
770406	1630	1830	1645	4.2	F	SERIES OF SHARP ONSETS
770406	2300	1040*	0415	4.1	E	VERY DISTURBED PER.
770407	1040	1800	1240	1.3	C	
770407	1900	1950	1910	1.4	C	
770408	0020	0140	0025	4.2	F	SHARP ONSET
770408	0600	1330	0920	3.0	E	2 MAIN PEAKS
770408	1400	2215	2015	2.0	E	WEAK FEAS
770408	2215	0550*	0020	2.4	C	
770408	0550	1300*	0700	3.8	E	
770409	1640	0000*	1840	1.6	C	ST & T
770410	0120	0420	0245	3.6	C	ST
770410	0515	1300	0540	1.8	E	IRREG 2 FEAS
770410	1510	1715	1657	1.6	E	
770410	1830	0000*	1905	2.1	C	SEV. FEAS
770411	0120	0300	0140	2.0	C	I.
770411	0440	0910	0500	2.7	D	I & T
770411	1350	1710	1500	1.3	A	SMOOTH
770411	1730	1810	1750	8.2	F	SHARP ONSET, L & T.
770411	1840	2240	1910	2.1	C	
770411	2240	0120*	2340	1.8	C	
770412	0930	1020	0955	1.1	C	L & T. MINI CLASSIC EVENT
770412	2230	0020*	2230	2.1	F	SPIKE & SHARP ONSET.
770413						
770414	0000	0400	0050	1.5	C	2 PEAKS & T(0200-0400).
770414	0840	0940	0900	1.8	D	
770414	0940	1730	1300	0.8	A	
770414	2130	0010*	2255	1.9	C	T
770415	0100	0400	0200	1.0	A	L
770415	0400	0900	0610	1.9	E	
770415	1550	2120	1640	1.0	A	
770416	0500	0800	0600	0.7	A	
770416	1530	1920	1720	1.2	C	SMALL EVENT
770416	1920	2200	2020	1.9	C	
770416	2300	0040*	2345	1.5	C	ST
770417	0230	0520	0245	2.0	D	ST
770417	0520	1030	0800	1.0	A	IRREG
770417	1030	1700	1200	1.2	A	BROAD FEA
770417	2130	2330	2220	1.0	B	
770418	0015	0430	0140	0.6	A	
770418	1200	1530	1310	0.5	A	
770419	0040	0200	0110	1.7	C	L TO STORM
770419	0440	0530	0500	2.3	C	MAJOR STORM
770419	0530	0820	0730	4.6	C	ST MANY PEAKS
770419	0835	1000	0910	4.4	C	ST
770419	1800	2330	1840	1.6	C	SMOOTH EVENTS
770419	2330	0430*	0220	2.7	E	
770420	0430	1300*	1020	5.0	F	L W ST
770420	1930	2015	1955	4.4	C	SHARP PEAKS

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
770420	2015	2350	2210	0.9	A	
770421	0020	0240	0140	1.4	A	WEAK
770421	0400	0730	0440	1.0	A	
770421	0730	1600	0820	2.1	E	IRREG
770421	2040	2320	2140	1.5	A	FEA & T
770422	0320	0700	0520	0.9	A	IRREG
770422	0900	0940	0915	1.1	C	1 SMALL ROUNDED DIP
770422	1140	1500	1300	0.9	A	BROAD DIP
770422	1700	2000	1820	1.7	C	2 FEAS
770423	0300	1630	0520	1.0	A	WEAK ABSN
770424	1000	1500	1040	0.9	A	
770424	1520	1845	1550	2.3	C	ST
770424	2000	0150*	2100	1.3	E	I
770425	0140	0430	0240	3.5	E	
770425	0615	1400	0715	1.6	E	3 BROAD FEAS
770425	1400	2030	1830	1.1	A	1 TINY DIP
770426	0140	0600	0340	1.2	A	
770426	0600	0900	0840	0.8	A	
770427						
770428						
770429	0520	0730	0600	1.9	D	
770429	0830	1020	0920	2.9	C	SYM FEA W ST
770429	1200	1300	1230	1.9	C	I
770429	1900	2315	1940	1.8	C	
770430	0330	1100	0520	2.1	D	MF(0430-0730). L & T
770430	1930	0250*	2220	0.8	A	EXTENDED PO WEAK ABSN
770501	0250	0640	0340	1.6	A	
770501	1910	0145*	2330	2.1	E	
770502	0045	0425	0047	3.0	F	SHARP ONSET. SERIES OF PEAKS;3.1DB @ 0140.
770502	0425	1000	0600	2.4	E	
770502	1030	1300	1145	3.0	C	IRREG FEA
770502	1640	1845	1640	1.5	F	SMALL SHARP ONSET.
770502	1320	1640	1325	1.1	C	WEAK
770502	1640	1845	1720	2.3	C	
770502	1940	2210	2000	2.9	F	L BEFORE SPIKE.
770502	2330	0200*	0045	2.0	E	2 ROUNDED PEAKS.
770503	0520	1300	1000	2.4	E	BROAD FEAS
770503	1300	1810	1545	0.8	A	WEAK
770504	0800	1000	0840	0.6	A	
770504	1050	1220	1110	1.6	C	2 EDGES
770504	1750	1845	1820	3.5	C	SYM DIP
770504	1905	2230	1905	2.5	F	V. SHARP ONSET
770504	2245	0100*	2310	1.7	B	
770505	0130	0320	0215	1.3	C	L&T. SMOOTH FEA.
770505	0640	0830	0710	2.3	B	SLIGHT ST.
770505	1620	1815	1745	0.6	A	WEAK DIP
770505	1840	0020*	2130	1.9	F	L(1840-2125).
770506	0240	0520	0250	2.4	C	
770506	1055	1300	1130	1.7	C	
770506	1400	1700	1510	1.0	A	
770506	2000	0500*	0140	1.5	A	EXTENDED PO WEAK ABSN
770507	2040	2200	2050	0.9	B	L& LONG T
770508	0705	0830	0707	0.8	B	T
770509	1600	1720	1650	0.6	A	
770510	0720	1300	0950	1.0	A	WEAK

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
770510	1900	0210*	2210	2.2	G	L @ T.
770511	0700	0820	0720	0.6	A	L
770511	0820	1240	0900	3.2	E	EDGE @ 1150;2.5DB.
770511	0820	1240	1150	2.5	F	EDGE MINI FEA.
770511	1400	1800	1615	0.7	A	WEAK
770511	1810	1940	1900	2.2	F	EDGE
770511	1940	0130*	0010	1.3	E	
770512	0300	1100	0540	4.5	E	MAJOR STORM
770512	1900	0100*	2220	0.5	E	
770513	1220	1940	1500	0.8	A	
770513	1940	0200*	2030	1.6	A	2 WEAK FEAS. L&T
770514	1920	2105	2060	0.8	A	L TO WEAK FEAS.
770514	2105	2137	2105	1.8	F	SMALL EDGE
770514	2140	0000*	2250	1.6	C	
770515	0130	0400	0240	2.0	C	IRREG ABSN.
770515	1000	1115	1040	0.9	A	
770515	1310	1415	1340	1.0	B	2 PEAKS
770515	2100	0100*	0040	3.8	E	
770516	0100	0210	0205	1.8	A	STEADY ABSN
770516	0200	0800	0600	3.2	E	NOISY SIGNAL
770516	1000	1200	1100	1.3	C	SYM FEA
770516	1200	1430	1268	1.4	A	3 SYM DIPS
770516	1440	1610	1530	1.2	A	
770516	1720	1930	1820	1.1	A	
770516	2000	2200	2130	2.0	C	2 PEAKS
770516	2000	2200	2130	2.0	C	
770516	2315	0320*	0250	3.0	C	IRREG ABSN
770517	0430	0600	0440	3.6	D	FAST ONSET W ST
770517	0740	1030	0805	3.7	E	
770517	1100	1330	1230	2.0	C	
770517	1700	0200*	0115	1.3	A	W ST.
770518	0510	1100	0520	2.9	E	ONSET FAST, 2 PEAKS;1.9DB @ 0750.
770518	1150	1400	1230	1.5	A	BROAD FEA
770518	1400	1730	1600	0.8	A	
770519	1220	1630	1519	0.6	A	IRREG ABSN
770520	1310	1630	1410	0.8	A	WEAK
770520	1630	2100	1710	2.1	C	
770521						
770522	0600	1200	0650	1.2	D	I
770523	1400	1730	1730	0.5	A	2 WEAK FEAS
770524						
770524	2010	2120	2040	1.2	C	T
770525	1710	2010	1845	0.6	A	
770526						
770527						
770528	1905	1950	1915	1.0	C	
770529						
770530						
770531	2000	0110*	2300	0.8	A	
770601	1930	2030	1945	0.8	B	L&T.
770601	2100	0000*	2110	0.8	A	IRREG ABSN
770602	0030	0215	0120	2.0	B	IRREG FEA
770602	0215	0720	0400	0.9	A	
770602	0910	1520	1100	0.7	A	
770602	1650	1830	1710	0.6	A	

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
770602	2120	0020*	2150	1.7	C	I
770603						
770604						
770605						
770606						
770607	1950	2010	2000	0.8	B	I
770608						
770609	2240	0015*	2305	1.0	C	2 SMALL FEAS
770610						
770611	0420	0600	0000	0.5	A	I.
770612	0245	0300	0249	0.6	A	WEAK,I.
770613	1900	1950	1934	0.4	A	2 WEAK FEATURES
770614	0050	0230	0111	2.3	C	SINGLE FEATURE
770614	0300	1100	0350	0.6	B	
770615	1100	0030*	1410	1.0	A	EXTENDED PERIOD OF SV ABSN. 1.0 DB@1800
770616						
770617						
770618	0620	1030	0740	2.9	D	L,MF(0710-0840),T.LITTLE ST.
770618	1750	1900	1810	1.0	B	
770618	1920	2030	1950	2.2	F	L,MF(1945-2000),T.ST. 1.8 DB@1945
770618	2250	0030*	2315	0.9	B	
770619	0550	0830	0615	1.5	A	
770619	1030	1200	1042	0.40.7	A	
770620	0010	0230	0040	1.8	C	CUSP
770620	0630	0830	0720	0.6	A	
770620	1245	1600	1330	1.5	A	LARGE
770621	0705	0730	0720	0.4	A	I
770621	1310	1415	1343	0.6	A	
770622	1805	1905	1853	1.5	C	L,CUSP
770623	0210	0410	0253	2.4	C	SINGLE FEA,2PEAKS,SMOOTH
770624	0400	0530	0411	0.6	A	I
770624	0600	0915	0829	1.2	A	
770625	0600	0730	0629	0.8	A	PERIODIC I ?
770626	0015	0140	0114	0.4	A	I
770626	1010	1400	1021	0.8	A	SV ABSN
770627	0010	0245	0059	1.3	C	CUSP
770628	0605	0730	0651	0.8	A	
770628	0945	1330	1055	1.0	A	T
770628	1910	1940	1926	0.6	A	L TO NEXT FEA
770628	1940	0030*	2230	1.5	E	IRREGULAR FEA
770629	0130	0230	0202	1.2	A	IRREG
770629	0440	0520	0500	0.5	A	
770630	1200	1500	1425	0.7	A	
770630	1910	2100	1930	0.9	A	
770630	2330	0240*	0053	1.3	A	LARGE,START CONFUSED BY I.
770701	0450	0730	0600	0.7	A	
770701	0730	0945	0748	0.6	A	SOMEWHAT IRREG
770701						
770701	1450	1840	1458	0.7	A	V SMOOTH
770702	0040	0310	0109	0.9	A	0.70DB@0217
770702	0420	0620	0450	0.5	A	
770703						
770704	0900	1040	0957	0.5	A	
770704	1105	1320	1200	0.8	A	
770704	2300	0100*	0116	2.1	C	CUSP

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
770705	1440	1520	1451	1.0	B	CUSP
770705	1830	1930	1856	1.0	A	STRUCTURE
770705	2110	2250	2115	0.8	A	
770706	1810	1930	1834	0.7	A	T
770706	2040	2205	2141	1.3	C	L(2040-2138)
770706	2230	2340	2322	0.5	A	IRREG
770706	2355	0130*	0041	1.3	A	V IRREG,ST
770707	0130	0330	0201	1.0	A	
770707	0405	0650	0548	0.8	A	
770707	0740	1115	0830	0.8	A	
770707	1440	1630	1517	0.6	A	
770708	1210	1515	1407	1.0	A	BROAD ST
770708	2100	0500*	0155	1.3	A	L,MF(2500-2800),T.ST.
770709	0530	1450	0933	1.2	A	L,MF(0620-1450)
770709	1710	1805	1747	0.6	A	
770709	1910	2140	2036	2.7	C	SUDDEN ONSET @ 2035 1.3DB@1936
770709	2315	0220*	0045	3.9	E	FAST ONSET @ 0048.
770710	0315	0500	0405	1.6	A	
770710	1505	1630	1547	1.5	A	
770710	1705	0040*	1951	1.9	E	F ONSET @ MAX.L(1705-1730).
770711	0340	0730	0422	1.5	A	DOUBLE STRUCTURE,T.1.00DB@0538
770711	0730	1150	0828	0.9	A	
770711	1400	1905	1623	1.1	A	CENTRE FEA (1510-1740) LARGEST
770711	2240	0020*	2329	1.0	A	I
770712	0250	0420	0319	0.6	A	I
770712	2300	0715*	0029	1.3	A	EXTENDED PERIOD OF SV ABSN. W 2 MAIN PEAKS
770713	1510	1900	1647	1.0	A	ST
770713	2245	0145*	2340	1.0	A	BROAD ST
770714	0240	0730	0351	2.7	E	MF (0240-0600),T.ST.
770714	0900	1600	1152	1.5	A	BROAD ST L (0900-1115),MF.
770715	0010	0630	0401	1.5	A	I,MUCH ST.? 2 FEAS. 1.3 DB @ 0050
770715	1500	1550	1520	0.6	A	
770716	0350	0450	0431	0.6	A	
770716	0630	0730	0708	3.0	C	CUSP
770716	0730	0950	0921	1.3	A	#STEADY ABSN W BROAD PEAK NEAR END.
770716	0950	1310	1047	5.8	E	CUSP-LIKE ST. PEAK
770716	1330	1400	1335	1.0	B	BROAD CUSP
770716	1745	1950	1858	2.2	C	ST
770716	2115	2230	2119	2.9	F	
770716	2230	0230*	2250	2.7	D	
770717	0530	0800	0655	1.8	C	ST
770717	0830	1300	0943	1.3	A	ST 1.3 DB @1058
770717	1930	2130	2047	2.4	C	SHARP ST 1.6 DB@1945
770717	2130	0130*	2300	1.3	A	
770718	1150	1215	1158	0.4	A	
770718	1300	1730	1337	1.8	E	LONG T. SMOOTH
770718	1750	1850	1817	0.4	A	
770719	0155	0330	0225	3.1	C	SYM DIP.T(0250-0330)
770719	0620	1240	0657	2.6	E	SYM DIP(0620-0730),LONG IRREG T FOLL,W ABSN#1.0DB
770719	1330	1710	1555	0.9	A	WK,IRREG ABSN
770719	1710	1950	1816	0.8	A	SOME ST.L TO NEXT FEA.
770719	1950	2200	2037	2.1	C	ST
770719	2335	0315*	0024	3.4	E	ST.EDGE @ 0024
770720	0415	1320	1011	4.9	E	EDGES @ 1246(2.8DB) IN T.
770720	1326	1515	1427	2.2	C	ROUNDED PEAK

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
770720	1710	1750	1742	1.0	A	BROAD ST
770720	1750	2350	2134	1.7	E	IRREG ST
770720	2350	0530*	0220	2.3	E	IRREG ST
770721	0615	1500	0706	0.9	A	MF(0615-0830),LONG T W ST
770721	1710	1830	1755	0.5	A	
770721	1950	2140	2039	0.7	A	
770721	2215	0230*	0010	3.1	C	L, SINGLE MF(2355-0100),T
770722	0450	1010	0801	1.5	A	BROAD ST
770722	1010	1820	1036	2.1	A	LONG T
770722	2110	0130*	2216	0.8	A	
770723	0245	0540	0339	0.9	A	
770723	1100	0730*	1800	1.2	A	L(1100-1330),EXTENDED PERIOD OF # STEADY ABSN
770724	0940	1645	1046	1.5	A	MF(0940-1300),T
770724	1645	1900	1800	1.2	B	L(1645-1750),MF W CUSP,T(1830-1900)
770724	1910	2102	1950	1.7	C	CUSP
770724	2102	2130	2106	1.2	B	
770724	2130	0900*	0035	1.8	A	ST
770725						
770726						
770727						
770728	1720	0015*	1805	0.8	A	SV ABSN
770729	0015	0515	0016	1.0	C	MF(0015-0130),T W ST,1.0DB@0016,2.5DB@0309.
770729	0540	1900	0654	0.9	A	EXTENDED PERIOD WK ABSN,SOME ST,0.9DB@0654
770730	0040	1745	0234	2.5	E	EXTENDED PER OF IRREG ABSN TAILS OFF AFTER 1800
770730	1745	2310	2041	1.0	A	IRREG,WK ABSN.I NEAR END
770731	0205	0340	0247	2.5	C	SINGLE SYMETRICAL FEA.
770731	0340	0730	0435	2.9	C	L(0340-0420);MF;T,(0515-0730).
770731	2100	2230	2148	0.6	A	SOME 1.
770801	0420	0530	0454	0.5	A	
770801	0850	1240	0958	0.9	A	L,MF(0940-1030);T.
770801	1400	1800	1600	0.5	A	
770802	0110	0210	0143	0.5	A	
770803	0035	0600	0535	0.7	A	SOME 1. 0.6DB@0125
770803	1030	1725	1311	0.6	A	
770803	1725	2010	1856	1.2	A	ST.
770803	2010	2140	2116	1.3	B	TINY F-TYPE EDGE AT 2019. 0.8DB @2019.
770803	2140	0145*	2355	0.6	A	PERIOD OF IRREG,WK ABSN.
770804	0210	0510	0339	0.8	A	L,MF(0300-0410):T
770804	1900	1950	1930	0.6	A	
770805	0015	0240	0129	1.2	A	ST.
770805	0315	0515	0337	1.0	A	
770805	0515	0620	0547	0.9	A	
770805	0700	1000	0736	2.7	C	L,M.F(0720-0950),SHORT T. SOME ST.
770805	1350	1400	1423	0.6	A	
770805	1820	2230	1829	1.5	F	SUDDEN ONSET IRREG ABSN BROAD DIP AT END 1.5DB@2147
770805	2230	0200*	0038	2.4	E	BROADLY SYMETRICAL.
770806	0300	0830	0559	5.1	E	LGE FEATURE,ST.ABSN 1.3DB AT 0830.
770806	0830	1500	1112	3.6	E	FEA MERGE INTO REGION OF STEADY ABSN.
770806	1500	2045	1740	1.6	A	PO SV ABSN,BROAD FEA ABSN 1.0 @2045.
770806	2045	0200*	2335	2.4	E	MERGES INTO REG OF STEADY ABSN.
770807	0445	0810	0537	1.7	A	IRREG FEA,ST.
770807	0810	1600	0918	2.4	E	ROUNDED FEA AT START MF 0810-1140 T
770807	1930	2030	2000	1.7	C	CUSP.
770807	2100	2220	2139	1.5	F	SMALL EDGE @2137 L,M.F.(2130-2200),T.1.2DB @2137.
770808	0005	0415	0136	2.4	C	A-TYPE SYM.BROAD ST.T(0300-0415) 2.3DB@0214

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
770808	0515	1010	1039	2.1	D	
770808	1015	1300	1238	0.6	A	ST.WEAK.
770808	1300	1520	1411	0.6	A	
770808	1750	1910	1819	1.2	B	1.2DB@1851.
770809	0000	0220	0046	2.4	C	SINGLE FEA IN SOME ST.
770809	0500	0950	0519	2.1	C	2 RD FEA SEP BY PER OF STEADY ABSN. T(0730-0950)
770809	1020	1500	1300	1.2	A	BROAD ST.
770809	1500	1700	1615	1.8	C	3 PEAKS RATHER DEEP # DURATION FOR A-TYPE 1.5DB@152
770809	1700	1840	1747	1.2	A	L,T MF(1730-1810)
770809	1840	2110	2008	2.2	C	SINGLE FEA.
770809	2110	2220	2154	1.0	A	
770809	2220	2330	2255	1.6	C	L,MF(2250-2330)
770809	2330	0000*	2353	0.8	A	
770810	0020	0145	0048	1.3	A	ST.
770810	0300	0715	0459	2.6	E	L,MF(0330-0600)
770810	0930	1330	1040	1.0	A	
770810	1330	1720	1456	1.0	A	BROAD ST.
770810	1720	2050	1902	1.2	A	ST.
770810	2330	0430*	0229	2.4	E	MUCH ST. PULNS(2.8DB@2750-2810),PER 3MINS.
770811	0430	0830	0547	2.6	E	
770811	0830	1140	0845	2.9	D	ST.
770811	1500	1640	1521	1.3	A	I AT END.
770811	2015	2040	2024	2.2	C	TRIANGULAR SINGLE FEA.
770811	2045	2140	2058	2.3	F	SHORT L, ONSET AT 2058
770811	2140	2240	2145	1.8	C	SMALL PEAK,SOME ST. FOLLOWING.
770811	2240	0100*	0030	0.9	A	PER OF IRREG ABSN WITH 2 ILL DEF FEA.I. 0.5DB@2339
770812	0405	0630	0505	1.5	A	BROAD ST.
770812	0630	0930	0809	1.3	B	PER OF STEADY ABSN,WITH SMALL PEAK.
770812	0930	1845	1031	4.3	E	IRREG SCOOP FOLL BY PEAK DECLINE IN ABSN T
770812	2240	2340	2258	0.6	A	I.
770813	0210	0502	0301	1.7	C	SINGLE FEA,T WITH A-TYPE DIP(0400-0502)
770813	0530	0750	0608	2.1	C	MERGES INTO REG OF STEADY ABSN.
770813	0750	1200	1000	1.2	A	REG OF SLOWLY VARYING ABSN MAX AT APPROX 1000.
770813	1200	1700	1500	1.3	A	BROAD ST.
770813	2150	2340	2229	1.8	F	EDGE AT 2227 L IN ST,MF(2227-2250)T.1.5DB@2227
770814	0820	1100	0958	0.8	A	
770814	1230	1640	1317	2.7	C	SHORT L, MF(1245-0215)T. MF IS IRREG SCOOP
770814	1810	2015	1939	1.3	C	3 FEA.CUSP. 1.2DB@1828.0.8DB@1854.
770814	2300	2340	2320	1.2	B	PEAK.
770815	0100	0140	0119	0.4	A	
770815	0200	0340	0245	0.9	A	
770815	0420	0640	0438	2.3	D	PEAK RATHER TOO MUCH OF CUSP FOR CLASSIC D.BROAD ST
770815	0705	1430	1545	1.7	E	2 FEAS.(1.2DB@0747), SOME DATA LOST.
770815	1430	1930	1608	0.5	A	WEAK.
770815	2110	2230	2148	0.5	A	I.LEVEL CHANGE.
770816	0550	0630	0605	0.5	A	
770816	1230	1520	1336	2.3	C	L,(1230-1330),MF(1330-1430),T.
770817	0400	0515	0457	0.5	A	
770817	0710	1145	0752	0.8	A	2ND FEA HAS SOME ST.
770817	1145	1440	1059	3.5	C	C-TYPE FEA,W ST+SHARP EDGE@APPROX1059.T W ST 121440
770817	1650	1810	1744	1.0	B	2 BROAD CUSPS.0.7DB @1714.
770817	1930	2220	2153	5.0	F	L W ST
770817	2220	0500*	0155	2.5	E	CLASS EDGE ST (0040-0210) T AFTER 0230
770818	0500	0945	0700	1.8	A	ST.
770818	1315	1630	1429	0.8	A	SMALL FEAS 0.6DB@1542.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
770819	0100	0400	0154	5.3	E	SYM OVERALL,HLY STRUCTURED,FEAS.?PULSATIONS
770719	0420	0800	0443	3.1	D	ST.PULSATIONS.
770819	0915	1615	1032	2.3	E	LGE SMOOTH DIPS.WEAK PULSATIONS.1.8DB@1506.
770819	1910	2145	2036	1.6	C	A-TYPE L(1910-2000),SHARP ST.
770820	0700	1800	0756	1.2	A	SOME ST. 0.9DB @1119.
770821	0645	0815	0720	1.0	A	0.9DB@0754.
770821	0815	1810	1112	1.3	A	BROAD ST.
770821	1810	1500*	2057	1.2	A	V LONG PO V STEADY ABSN.SLOW DEC AFT 0700,220877
770822	2100	0040*	0000	0.8	A	0.6DB@2143.
770823	1240	1630	1524	0.4	A	
770823	1750	2215	1831	2.1	C	B-TYPE L TO LGE FEA IN ST.MF(1805-2215),1.0DB@1701
770823	2115	0420*	0008	1.5	A	
770824	0420	1215	0445	1.4	A	
770824	1415	1715	1436	1.0	A	0.8DB@1543.
770824	1630	1930	1710	1.2	A	ST.
770824	2100	0400*			P	PCA..
770825	1150	1415	1229	1.7	C	FAIRLY BROAD ST. SYMETRICAL OVERALL.
770825	1500	2200	1835	2.3	E	L,(1500-1800);MF(2LGE FEAS IN ST);T(2030-2200)
770826	0000	0050	0024	1.4	C	ST.
770826	0350	0745	0454	1.8	E	SMALL SUBSIDUARY DIP AT APPROX 0740.
770826	0800	0950	0832	0.7	A	SOME ST.
770826	1030	1200	1105	0.6	A	
770826	1215	1430	1327	0.9	A	ST.
770826	1650	1730	1711	0.5	A	
770826	1800	1910	1844	0.6	A	
770826	1910	2050	1940	0.9	A	ST.I.
770827	0110	0630	0335	2.5	E	SOME BROAD ST ABSN FALLS TO 1.2DB AT 0630
770827	0630	0920	0650	2.5	D	ABSN 0.8DB AT 0920.
770827	0920	1620	1047	3.0	E	BROAD ST.V GRADUAL REDUCTION OF ABSN.
770827	1650	1910	1758	1.7	C	ST.L,MF(1720-1910)
770827	1910	2040	1920	1.2	C	ST.T(1950-2040)
770827	2110	2250	2116	0.7	A	I,ST.
770827	2310	0010*	2318	0.9	A	T,(2345-2410)
770828	0420	0815	0513	1.5	A	ST.(BROAD).SOME UNCERTAINTY ABOUT LEVEL.
770828	1150	1610	1411	0.9	A	
770828	1810	1950	1900	0.8	A	
770829	0600	1700	1312	2.9	C	EXTENDED,FEATURELESS L(0.6DB)MF(2PEAKS)1250-1400,T.
770829	2115	0030*	2157	0.7	A	
770830	0030	0530	0237	0.8	A	
770830	0600	0800	0711	1.5	A	
770830	1020	1400	1247	0.6	A	
770830	1630	1720	1656	1.2	B	
770831						
770901	0015	1515	1232	1.1	A	EX PER OF SL VARYING ABSN SHALLOW EDGES 0930,1215.
770902						
770902	1740	1845	1807	1.3	C	ST.SMALL FEA. MF(1740-1820);T.
770902	2045	0210*	2250	1.1	A	
770903	0210	0530	0335	1.2	A	ST.(BROAD).
770904	0820	1000	0852	1.0	A	MF(0820-0910),T.
770905	2300	0730*	0100	1.1	A	
770906						
770907	2210	2320	2230	1.7	C	SMALL SCALE ST INCLUDING TINY F EDGE.
770908	0215	0350	0230	0.6	A	
770908	2055	2200	2057	1.0	F	SMALL EDGE,T(2100-2200),I.
770909	1845	2020	1911	1.0	A	ST.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
770909	2020	0110*	2103	0.9	A	
770910	0110	0845	0330	2.0	E	MF(0110-0600);T.
770910	0930	1100	1026	0.9	A	ST.
770910	1100	1930	1435	2.4	E	L,MF(1220-1600),T WITH SMALL PEAK AT APPROX 1740.
770910	2300	0010*	2329	1.7	C	1 DIP BEFORE P.O. IRREG ABSN.MF(23002340),
770911	0010	0655	0347	2.2	E	PER OF IRREG ABSN L,IRREG MF(0240-0415);T.
770911	0655	0940	0727	2.4	D	
770911	0940	1640	1022	1.4	D	ST.(BROAD).SHORT L,MF(0950-1300),T.
770911	1710	1805	1738	0.6	A	ST,I.CHART ENDS 1905.
770911	1915	2015	1954	0.5	A	I.
770911	2030	2150	2053	1.0	A	ST.I.
770911	2220	2340	2254	1.3	C	CUSP.
770912	0345	0730	0526	1.6	A	DOUBT ABOUT POSN OF QDC START & END TIMES INACCURAT
770912	2115	0430*	0027	1.5	A	MUCH ST.L,MF(2200-0430).
770913	0720	1150	1023	1.5	E	SOME ST. NO REAL SEPARATION BETWEEN THIS & NEXT FEA
770913	1150	1350	1229	2.9	C	SEVERAL PEAKS.
770913	1350	1650	1523	0.6	A	T TO PRECEEDING C FEA.
770913	1650	1855	1801	0.9	A	SOME ST.
770913	1935	2215	1935	1.5	F	F-TYPE EDGE FOLL BY ST.&3C-TYPE FEA.MF(1930-2120),T
770913	2220	2345	2309	0.7	A	
770913	2345	0630*	0307	2.0	E	L,MF(0145-0330),ST,T.
770914						
770915	0345	0510	0416	1.2	A	L,MF(0400-0500)
770915	0510	0650	0552	1.2	A	
770915	0650	1520	1048	3.6	E	L,MF(0330-1520)
770916	1600	1715	1647	1.6	C	ST,INCL.SMALL F-TYPE EDGE(1635).1.3DB@1635.
770917	0250	0640	0429	0.9	A	
770917	0640	1645	0750	2.3	E	GENTLY VARYING FEATURE.BROAD ST.
770918	0430	0530	0453	0.6	A	
770918	1050	1500	1150	0.9	A	
770919	1030	1200	1054	1.3	C	ST.
770919	1200	1920	1627	3.0	E	L,MF(1240-1840);T.ST.MOSTLY BROAD.
770919	1920	2130	2011	4.7	C	SHARP ST.
770919	2315	0010*	2343	2.6	C	SINGLE, SHARP PEAK.
770920	0010	0240	0105	2.9	C	ST.3MAIN PEAKS.
770920	0240	0655	0408	3.0	E	LGE,SOMEWHAT IRREG.DIP.ABSN APPROX 1.0DB AT 0655.
770920	0655	1905	0949	6.0	E	EX PER OF STRONG,SOMEWHAT IRREG ABSN.
770920	1905	2015	1945	1.5	F	L,MF(1942-2015),ST.EDGE AT APPROX1942.1.2DB@1944.
770920	2015	2130	2036	2.2	C	MFWITH ST.(2015-2045),T(STEADY ABSN,APPROX 1.2DB)
770920	2130	0030*	2200	2.9	C	ST.MF(2130-2300);T.
770921	0030	0505	0400	3.4	E	LGE FEA,MUCH ST,BROAD & SHARP.PULSATIONS.
770921	0505	0950	0811	6.6	E	LGE FEA,MUCH ST,BROAD & SHARP.PULSATIONS.
770921	0950	1220	1106	7.9	F	L,MF(1050-1155);T. CONSIDERABLE ST.6.1DB@1052.
770921	1220	1430	1309	0.8	A	
770921	1930	2005	1935	2.1	F	CLASSIC.ST.FOLLOWS.
770921	2020	2330	2121	3.3	E	E-TYPE FEA W AT LEAST 1F-TYPE EDGE.
770921	2330	0200*	2351	0.6	E	MUCH ST.DRAMATIC.
770922	0200	0630	0351	3.8	E	ST.
770922	0755	1100	0838	2.9	C	SINGLE FEATURE.MF(0755-1000);T.
770922	1100	1235	1127	2.8	C	ST.
770922	1235	1505	1306	0.6	A	2 SMALL FEATURES.
770922	1505	1645	1536	3.2	C	ST.
770922	1840	1930	1841	1.8	C	MF(1840-1900);T.
770922	1930	2200	1952	7.0	F	DRAMATIC.PULNS.SOME CONFUSION W I.MF(1930-2050);T.
770922	2210	0050*	2308	2.2	F	MF(2210-0000).2.0DB@2214.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
770923	1640	1740	1701	1.8	C	L,MF(1650-1740)
770923	1740	2200	1902	2.9	E	IRREG.ABSN,ST.W F-TYPE EDGES.L,MF(1820-2120);T.
770923	2200	0230*	2229	2.0	F	ST C-TYPE FEA W A-TYPE SYM,&F-EDGES UP AT #2225
770924	0300	1730	0946	3.2	P	PCA.
770924	1950	0330*	2321	1.7	C	PER OF SL VARYING ABSN,WITH 3 PEAKS.1.5DB@2141.
770925	0330	0930	0803	1.6	A	GAP IN RECORD FROM#0930,UNTIL 1127.
770926	0300	1000	0609	2.0	E	V SYM.EXTENDED WINGS,BUT DIFFICULT TO DEFINE.L&T.
770926	1000	1730	1132	1.3	A	BROAD ST.
770926	1730	1915	1828	1.2	C	SCOOP.
770926	1915	2110	1936	1.2	B	I. 0.9DB@2049.
770926	2110	2330	2201	2.2	C	DEEP ST.
770926	2230	0110*	0000	1.8	C	ST.
770927	0110	0155	0111	1.5	F	ST FOLLOWS.
770927	0155	0320	0234	2.7	C	ST.
770927	0320	0840	0511	5.0	E	ST.
770927	0840	1500	0956	2.2	C	MF(0840-1100);T.ST.
770928	0100	1600	1157	1.2	A	EXTENDED PER OF SLOWLY VARYING ABSN.
770929						
770930	1000	1105	1047	1.0	B	ABSN MAY EXTEND SOMEWHAT BEYOND 1105. 0.6DB@1008.
771001						
771002	0050	0140	0107	0.4	A	?Q.D.C.
771002	0610	0710	0637	0.5	A	?Q.D.C.
771002	1040	1400	1218	1.0	A	ST.
771003	0230	0420	0356	0.5	A	
771003	0530	0700	0626	0.5	A	I.END CONFUSED.
771003	0930	1345	1110	0.6	A	I.BEGINNING CONFUSED, MF(0930-1255);T.
771003	1430	1600	1540	0.6	B	3 SMALL PEAKS.
771004	0210	0650	0417	1.7	E	BROAD ST.
771004	0650	1200	0758	1.2	A	MF(0650-0905);T.
771005						
771006	0210	0530	0313	0.7	A	
771006	0715	0810	0736	1.3	C	MUCH I.SMALL SCOOP.?TIMINGS.
771007						
771008	0500	0620	0556	0.5	A	?SIART. CHART ENDS 1747(081077)
771009						
771010						
771011	0200	0430	0311	0.5	A	
771011	2045	0015*	2153	1.2	A	ST,BROAD & SHARP.
771012	0015	1600	0921	4.0	E	CONSIDERABLE ST.
771012	1800	0000*	1916	1.2	A	A-TYPE FEA W B-TYPE PEAKS SUPERIMPOSED
771013	0500	0830	0620	2.3	E	SINGLE FEA W ST.PULSATIONS.I@END.
771013	1040	1200	1120	0.5	A	
771013	1900	2340	2024	1.3	E	SHARP ST.
771014	1905	2350	2157	4.6	F	L(1905-2129),MF W ST.&2EDGES(1929-2153).1.4DB@1939.
771014	2330	0450*	0120	4.4	F	L,W ST;MF(0110-0210);T.PULSATIONS. 3.5DB@2517.
771015	0730	1320	1027	2.7	E	TWO BROAD PEAKS,ST.2.0DB@ 0854.
771015	1820	2315	2018	1.0	A	PER OF SUST ABSN(#0.7DB),W SMALL SHARP ST.SUPERIMP.
771015	2315	0410*	0156	1.5	E	PER OF SUSTAINED ABSN WITH ROUNDED ST.
771016	0410	0800	0455	2.5	D	MF(0410-0650);T.
771016	1515	1615	1525	0.5	A	
771016	2100	0000*	2232	1.7	F	L;MF.(2220-2245);T. 1.3DB@2226.
771017	0000	0130	0022	0.8	A	MF(0000-0045);T.
771017	0545	1015	0639	1.7	C	MF(0545-0800);T W SMALL B-TYPE PEAKS.
771017	1555	0840*	0210	2.7	E	ENORMOUS E-TYPE FEA.W MUCH ST.,INCL F-EDGE@#1940.
771018	0840	1450	1059	4.3	E	ST.MF(0840-1340);T.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
771018	1620	1700	1632	0.6	A	I.
771018	1750	2020	1917	3.7	F	DRAMATIC. 3 SHARP PEAKS. L&T. SMALL F-EDGE.
771018	2020	2250	2153	4.3	F	DRAM,BUT SL LESS SHARP THAN USUAL FOR F EDGE.
771018	2250	0130*	2256	3.1	F	PERIOD OF HIGHLY STRUCTURED ABSN.
771019	0130	0230	0201	4.2	C	UNUSUAL,CONTAINS REVERSE F EDGE (RAPID DECAY)
771019	0230	0650	0235	2.3	F	PER OF IRREG ABSN.,STARTING W SHARP EDGE.2.3DB@0330
771019	0650	1500	0802	3.1	E	ST.MF(0650-1005);T.
771019	1910	2010	1934	0.8	A	I.
771020	0620	0820	0712	0.5	A	
771020	0820	1320	0950	0.8	A	2 PEAKS.0.8DB@ 1225.
771020	1610	1710	1624	0.6	B	CUSP.
771020	2300	0010*	2325	1.8	C	SINGLE DIP,NO ST.
771021	0200	0300	0227	0.6	A	
771021	1700	1850	1838	0.8	A	L,M.F(1815-1850)I.
771021	2200	2310	2242	0.9	B	
771021	2310	0130*	0124	3.2	C	L;MF(0000-0110);T. SINGLE FEATURE.
771022	0130	1250	0923	3.6	E	EXTENDED PERIOD OF IRREG.ABSN.ST.
771022	1745	1850	1829	0.9	B	L;MF(1815-1850)
771022	1850	2110	1929	1.3	C	V IRREG A.
771022	2110	0030*	2156	2.5	C	L;MF(2137-2330);T. ST.
771023	0140	0405	0248	1.3	D	L;MF(0229-0405)
771023	0405	0850	0600	0.9	A	MF(0405-0715);T.
771023	0850	1250	1034	1.0	A	
771023						
771024	0110	1650	0326	0.9	A	EX PER OF # STEADY ABSN #0.5DB.V BROAD,SHALL PEAK
771024	2315	0250*	0000	1.2	C	L,MF(2330-0005);T.
771025	1840	0130*	2054	1.2	C	MF(1840-2015);T (SOMEWHAT IRREG.)
771026	0630	0915	0745	0.7	A	
771026	0915	1230	1216	0.7	A	CHART ENDS 1229.NEW CHART BEGINS 1241.
771026	2350	0430*	0120	1.3	F	L,EDGE@0028,MF(0028-0300),T.0.4DB@2428.
771027	1000	1210	1028	1.5	C	V.DISTORTED BY I.TIMES NOT PRECISE MF(1000-1055),T.
771027	1915	2050	1931	2.0	F	?PULSATIONS.
771027	2050	2205	2125	1.0	A	
771027	2305	0120*	2308	5.5	F	MF(2305-2415);IRREG.T.
771028	0120	0430	0213	4.9	E	LGE FEA W MUCH V SHARP ST.
771028	0500	0600	0517	2.0	C	
771028	0600	0705	0617	2.3	C	
771028	0705	1030	0739	1.3	C	LITTLE ST.MF(0705-0830),T.
771028	1705	2230	1907	4.4	F	L W ST,MF(1820-2000) W DRAMATIC ST,T W A-TYPE DIP.
771028	2300	0015*	2340	0.4	A	
771029	0050	0320	0131	0.6	A	MF(0050-0230),T.
771029	0330	0800	0552	1.0	A	L,MF(0515-0710),T.
771030	1745	1945	1845	1.6	C	L,MF(1820-1905),T.
771030	1945	2055	2009	0.9	B	STARTS W TINY EDGE.
771030	2055	2230	2059	1.2	F	SMALL EDGE.
771031	0030	0230	0149	0.7	A	L,MF(0140-0220),T.
771031	0230	0530	0338	0.9	A	
771031	1120	1440	1244	0.9	A	
771101	2320	0315*	0027	0.5	A	
771102	1930	2100	2036	0.7	A	
771103						
771104	1610	1630	1619	0.6	B	
771104	1720	0030*	2051	0.6	A	PERIOD OF IRREGULAR ABSN.
771105	0030	0730	0135	2.1	E	MF BROAD ST. T(0400-0730).
771105	1000	1400	1129	0.5	A	

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
771105	1700	1900	1800	0.8	A	
771105	2230	0040*	2352	0.4	C	2 SMALL ROUNDED FEAS.
771106	1400	1510	1426	0.5	A	SMALL DIST.
771107	0220	0730	0314	1.0	A	
771107	2145	2230	2147	0.8	B	
771108	1200	2030	1646	0.9	A	L, MF(1400-1750). T.
771109						
771110	1430	1440	1437	0.5	B	
771111	1100	1310	1200	0.6	A	IRREG ABSN
771112	0000	0810	0500	1.2	A	
771112	0910	1540	1344	1.2	C	L(0910-1230). MF(2 BROAD PEAKS).
771112	1540	2140	1914	1.3	A	
771112	2140	0140*	0009	2.1	D	IRREG ABSN. FAST ONSET OF 10 MINS.
771113	0140	0830	0349	3.1	E	T(0500-0830).
771113	0920	1005	0947	1.2	B	
771113	1020	1400	1032	2.3	D	
771113	1550	2345	2001	2.4	F	IRREG ST.
771113	2345	0440*	0004	2.4	C	
771114	0440	0840	0519	2.3	C	MF(0440-0710) T.
771114	0920	1100	1010	1.3	C	
771114	1715	2100*	1720	1.1	F	I
771114	2100	0240*	2341	4.7	F	V FAST ONSET.
771115	0350	0850	0545	1.8	E	L, MF W ST (0420-0920). T.
771115	1050	1350	1125	2.8	E	
771115	1640	2040	1842	1.8	E	IRREG
771115	2300	0240*	0012	1.0	A	
771116	0620	1300	0929	2.8	E	2.6DB @ 0710.
771116	1300	1400	1320	2.2	F	ONE STEP ON ONSET.
771116	1700	0110*	2343	1.2	A	BROAD ST.
771117	0110	0940	0407	1.2	A	
771117	1015	1500	1237	0.8	A	
771117	2110	2330	2231	1.0	A	L, MF(2015-2300). T.
771118	0930	1400	1057	0.5	A	
771118	1730	2300	2005	0.6	A	IRREG.
771119	0120	0230	0157	0.6	A	
771119	0440	0840	0624	0.6	A	
771119	1830	0400*	2010	0.5	A	BROAD PEAK @2000.
771120	2100	2200	2107	0.8	B	
771121	0000	0230	0049	0.9	A	L, MF(0030-0120). T.
771122	1150	1940	1239	1.6	A	MF(1150-1430) T.
771123						
771124						
771125	1730	2200	1752	1.7	F	EDGE @1849
771125	2200	0500*	2347	1.6	F	SHARP FEA @ 2347.
771126	0500	1200	0906	1.0	A	IRREG L. MF(0810-1030). IRREG T.
771126	1210	1510	1325	0.8	A	IRREG ABSN
771126	1710	1820	1719	1.0	B	
771126	2300	0230*	0102	2.5	C	L, MF(0030-0200). T.
771127	0600	0800	0702	0.7	A	BROAD ST.
771128	2100	0600*	0342	0.5	A	3 DIPS
771129	1600	2250	1952	0.8	B	SMALL PEAK
771129	2250	0200*	2339	1.3	C	CUSP W WINGS
771130	0710	1030	0735	1.7	C	IRREG T (0910-1030).
771130	1300	1520	1349	0.9	A	BROAD ST.
771130	1600	0100*	2011	0.8	A	BROAD MAX 1910-2200.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
771201	1600	2100	2040	3.1	F	L, SHALLOW EDGE AT 1820
771201	2100	1110*	0400	6.9	E	IRREG FEA. T AFTER 0600
771202	1510	2100	1725	2.0	C	L, MF W SHARP ST.1650-1900. T.
771202	2115	0140*	2200	4.5	C	L, MF 2 SHARP PEAKS,(2150-2230). T.
771203	0140	0640	0300	1.2	A	L(0140-0210).
771203	1900	2230	2100	0.5	A	
771203	2230	0200*	2334	0.8	A	T(0000-0200).
771204	1455	1548	1523	0.4	A	
771204	2300	1200*	1000	2.1	E	
771205						
771206	0000	0210	0019	1.0	A	MF (0000-0050). T.
771206	0210	0510	0323	0.6	A	
771207	1950	0100*	2003	0.5	A	
771208						
771209	0710	1040	0755	0.8	A	
771210	2200	0330*	0232	0.7	A	
771211	0820	0900	0837	0.8	B	
771211	1350	0000*	2106	3.0	F	L, MF W ST EDGE (2100-2210).
771212	0000	0800	0234	2.8	E	L, MF(0115-0620).
771212	1400	0500*	2135	1.6	F	2 MF(2132-2200)&(0120-0300).
771213	1100	1320	1235	0.8	A	
771213	1420	2100	1922	2.1	F	L, MF W 4 EDGES,(1750-2100).
771214	0040	0340	0047	1.3	D	MF,T(0150-0340).
771214	0550	0940	0640	1.6	E	
771214	1105	1520	1225	1.0	A	L, MF(1200-1305).
771214	2000	0400*	2342	0.5	A	
771215	1130	2000	1418	1.3	A	L, MF(1320-2000).
771216	1620	2319	2155	1.8	F	L W 2 STEPS, MF(2153-2220).
771217	0000	1000	0506	2.4	E	EXTENDED P.O. STRUCTURED ABSN.
771218						
771219						
771220						
771221	2000	0200*	2137	1.3	F	2 MF(2100-2200)&(0010-0050).
771222	2330	0140*	0041	0.8	A	BROAD ST.
771223						
771224						
771225	1800	0600*	2135	0.5	B	SMALL FEAS.
771226	1800	2100	1901	0.8	A	CUSP.
771226	2320	0100*	2333	0.6	A	
771227						
771228	1730	2210	2015	3.9	F	L, MF(2000-2210).
771228	2320	0100*	2327	0.6	A	
771229	0130	0700	0442	1.5	A	BROAD ST.
771230						
771231						
780101						
780102	0120	0600	0343	1.2	A	SYM DIP.
780103	1700	0000*	2126	1.4	C	SHARP PEAKS 2030 TO 2200.
780104	0000	0250	0059	0.9	B	ST @0020 TO 0120.
780104	0250	1250	0425	3.3	E	IRREG FEA. MF(0250-1050),T W 2 SH PEAKS.
780104	1250	1600	1502	6.9	F	L, MF(1502-1600). SHARP EDGE W ST.
780104	1600	2100	1709	2.3	E	IRREG FEAS. I
780104	2100	2340	2209	0.8	A	
780104	2340	0330*	0116	3.5	E	IRREG ABSN.
780105	0330	0730	0535	2.8	E	SMALL SCALE ST.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
780105	0730	1700	0817	3.2	E	MF(0730-1350)
780106	0100	0740	0245	4.0	E	ST W SPIKE @ 0622(2.2DB).
780106	0740	1000	0856	1.5	A	
780106	1800	2000	1847	1.1	A	EDGE @ 1847.
780106	2000	0200*	2218	0.9	A	1 SHARP PEAK @2145.
780107						
780108	0040	0300	0139	1.8	C	MF(0110-0200).
780109	0150	0330	0237	1.0	A	
780109	0800	1630	0850	2.3	E	L, MF(0840-1500),T.
780109	1930	2050	1933	1.3	F	
780109	2050	0240*	2221	3.1	C	L, IRREG SCOOP(2130-2300)
780110	0240	1130	0246	2.6	C	SHARP ONSET.
780110	1530	2100	1854	0.6	A	SL ST.
780110	2100	0000*	2111	4.9	F	GRAD. DEC AFTER 2140.
780111						
780112	2030	2230	2128	0.3	B	L, MF(2120-2140),T.
780113	0746	1420	0900	0.9	A	
780113	2000	0000*	2216	1.0	A	
780114						
780115						
780116	1400	1800	1414	1.0	B	MF(1400-1500), WEAK,IRREG T.
780116	2200	0700*	2326	1.9	C	
780118	0010	0500	0329	1.3	E	TINY EDGE @ 0010,MF(0220-0450), T.
780118	1300	1900	1600	0.6	A	
780119	0100	0530	0128	0.5	A	MF(0100-0200),T.
780119	1100	1420	1124	0.6	A	MF(1100-1240),T.
780119	1510	1710	1605	0.4	A	
780120						
780121						
780122						
780123						
780124						
780125						
780126						
780127						
780128	1900	0450*	2216	0.8	A	W ST. SMALL E-TYPE.
780129	0450	1200	0609	2.6	E	2 LARGE FEAS.
780130	0515	0900	0737	3.0	E	MUCH ST.
780130	2131	2140	2136	2.2	C	IRREG ABSN. FAST ONSET.
780130	2340	0050*	0025	4.0	C	IRREG FEA W I.
780131	0643	1100	0721	2.5	E	IRREG.
780131	1945	2015	1947	1.6	F	I.
780131	2320	0320*	0033	1.6	C	IRREG DIP. T(2540-2720).
780201	0700	1200	0839	1.2	A	
780201	2150	0240*	2323	3.2	C	SHARP PEAKS
780202	0240	0930	0458	0.9	C	BROAD ST.
780202	1140	1430	1306	1.2	A	
780202	2000	0300*	0058	2.1	F	PO IRREG ABSN
780203	0300	0820	0513	0.8	A	NOISY SIGNAL
780203	1220	1520	1257	1.9	C	
780203	1715	0500*	1843	3.1	F	ONE SHARP PEAK.I.
780204	0510	0720	0534	1.0	A	MF(0510-0600). I.
780205	0120	1030	0222	1.5	C	L, MF(0510-0600).I.
780205	1900	0200*	1922	1.7	F	SHARP ST @ START
780206	1130	0430*	2154	0.7	E	WEAK ABSN, SMOOTH SIGNAL.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
780207						
780208	0140	1300	0217	0.6	A	
780208	1600	2210	2048	1.5	F	LONG L,MF(1940-2150),T.
780208	2210	0330*	2213	1.3	F	MF(2210-0000),T.
780209	2030	2110	2057	1.6	F	2 ONSETS, (2040&2057). L & T.
780210						
780211						
780212	1830	0220*	2125	2.0	C	L, MF(2120-2330),T.
780213	0220	0530	0241	1.6	D	NOISY. PCA.
780213	0930	1620	1349	1.9	E	BROAD ST. PCA.
780213	1700	0500*	0141	0.9	E	VERY SMOOTH. PCA.
780214	1000	0610*	1443	5.3	E	MF(1000-1620).
780215	0610	1700	1107	3.3	E	IRREG L, MF(0930-1200),T,I.
780216	1500	1940	1759	0.9	B	SMALL PEAK. SIGNAL LEVEL UNEVEN.
780216	1940	0600*	0218	2.5	C	IRREG ABSN,MF(0205-0240).
780217	2100	1430*	0633	2.0	E	LONG L,W BROAD ST.MF(0550-0800),T,I.
780218	1440	1800	1734	1.1	A	ROUNDED ST.
780218	2230	2334	2247	0.8	B	ONE SMOOTH PEAK.
780219	0100	0600	0439	2.1	E	L,MF(0335-0500),T.SERIES OF 4 PEAKS.
780219	1356	1538	1513	1.1	C	L TO ONE SYM PEAK.
780220	0704	0813	0801	3.3	C	ONE SMALL EDGE @0724,END IN I.
780221						
780222	1705	0100*	2331	3.0	E	L&T. ONE MAIN EVENT W SLIGHT ST.
780222	2146	2212	2154	0.5	A	
780223						
780224						
780225	2000	2244	2141	1.5	C	L&T.
780226	0052	0504	0128	1.2	E	
780226	0505	0805	0532	2.2	E	ONE LARGE EVENT.
780226	1906	0035*	2025	4.0	F	L. HIGHLY ST EVENT.
780227	0035	0334	0119	3.1	C	
780227	0425	0900	0623	4.6	E	2 PEAKS WITH ST.
780227	0926	1210	1046	1.5	E	I.
780227	1823	2138	1945	3.1	E	I @ START
780227	2138	0150*	2154	5.8	F	ST
780228	0300	0500	0410	3.6	C	SMALL ST
780228	0519	1045	0806	2.4	E	END OF CHART.
780228	1050	1217	1149	1.7	C	IRREG ABSN.
780228	1308	1400	1338	1.6	C	2 SHARP PEAKS.
780228	1740	0014*	1921	3.0	E	PROLONGED PO. IRREG ABSN.
780301	0020	0938	0635	1.1	E	LOW LEVEL OF ABSN.
780301	0938	1144	0958	2.1	C	SERIES OF PEAKS.
780301	1439	1526	1509	1.0	C	2 PEAKS.
780301	1630	1922	1901	3.1	G	L TO SPIKE.
780301	1950	2303	2012	4.6	E	I @ START,T.
780302	0000	0336	0010	4.0	E	QUITE FAST ONSET,T.
780302	0340	1205	0550	4.8	E	GRADUAL EVENT W ST.
780302	1320	1503	1357	1.2	C	
780302	1907	2056	2016	1.2	C	SHALLOW EVENT.
780302	2222	0330*	2225	1.9	F	ST IN T.
780303	0506	0902	0610	3.4	E	ST.
780303	1848	0000*	2007	2.9	E	2 EDGES(2004&2232).
780304						
780305						
780306						

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
780307						
780308						
780309						
780310	0844	0952	0924	1.2	C	LEVEL DIST BY I.
780311						
780312						
780313	0418	0700	0508	0.9	A	SLIGHT ST.
780313	0945	1250	1158	1.4	E	I
780313	2036	2228	2055	2.0	F	L&T
780314	0152	0402	0210	0.6	A	DOUBLE FEA.
780314	0703	0816	0736	1.8	C	I
780314	1649	1800	1724	0.6	A	
780315	0126	0342	0140	1.5	C	ST
780315	0414	0635	0505	1.6	C	ST
780316	0000	0115	0032	3.0	C	QUITE FAST ONSET.
780316	0131	0229	0201	0.9	B	
780316	0239	0439	0305	0.7	B	IRREG ABSN.
780316	0453	0547	0528	2.0	C	I
780316	0640	1020	0703	2.1	E	
780316	1729	1819	1734	2.1	E	FAST ONSET.
780316	1849	2109	1853	1.0	C	FAST ONSET
780316	2135	2238	2157	0.8	A	
780316	2332	0230*	2337	3.9	E	IRREG ST
780317	0328	0618	0452	4.8	E	END OF CHART.
780317	0629	0722	0651	0.9	A	T
780317	0808	1000	0907	1.1	C	ST W I.
780317	1333	1409	1353	0.8	B	I @ START.
780317	1704	0055*	2200	1.7	E	IRREG ABSN
780318	0101	1017	0349	3.1	E	PROLONGED ABSN.
780318	0953	1220	1129	2.8	E	QUITE FAST ONSET.
780318	1655	0744*	0345	3.7	E	2 FAST ONSETS(1.7DB@2046& 2.2DB @2100).
780319	1200	1445	1338	1.2	C	
780319	1538	1556	1541	1.1	D	
780319	2211	2325	2250	0.7	B	
780320	0129	0258	0222	1.2	B	DOUBLE FEA.
780320	2159	2338	2245	0.7	A	
780321	0248	0701	0524	3.3	E	L W ST
780322	0538	0800	0648	1.5	C	I
780322	2156	2342	2230	1.5	C	I
780323	0234	0402	0304	1.1	C	
780323	0545	0807	0620	1.8	E	SOME I.
780323	1510	1520	1514	0.6	B	SYM. L & T.
780324	2257	0030*	2308	1.7	C	QUITE FAST ONSET.
780325						
780326	0211	0530	0406	1.6	E	MUCH ST.
780326	1420	1449	1430	0.4	A	
780326	1752	1830	1810	0.9	A	I
780326	2005	2240	2031	0.7	E	SV ABSN.
780326	2331	0240*	0107	1.6	E	ST
780327	0244	0950	0559	4.9	E	MUCH ST
780327	1003	1340	1212	3.1	E	ST
780327	1710	1913	1716	7.3	F	V FAST ONSET. LARGE EVENT.
780327	1913	2109	1924	2.8	F	ST
780327	2155	0120*	2304	6.9	E	L LARGE ST.
780328	0200	0454	0332	2.4	E	SLOW ONSET.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
780328	0818	1320	0906	1.8	E	FAST ONSET, BUT MUCH 1 @ END.
780329	0311	0550	0417	1.4	A	
780329	1136	1200	1138	1.4	D	I
780329	2107	0640*	0322	1.7	E	PROLONGED PO. SMALL ABSN.
780330	0823	1013	0900	2.7	C	1
780330	1040	1305	1044	2.5	F	I
780330	2245	0126*	2255	0.6	B	T
780331	1752	2145	1815	0.7	E	
780401	0154	0454	0406	2.6	E	SHALLOW ST.
780401	0509	0650	0542	1.7	C	1 MAIN FEA.
780401	0650	1300	0718	3.4	E	MF(0650-1100)
780401	0025	0215	0114	1.2	C	I @ START
780402	0225	0550	0343	1.5	E	
780402	1408	1724	1456	0.9	E	
780402	1949	2504	2304	7.2	F	LARGE ABSN W FAST ONSET
780403	0608	0830	0706	2.9	E	
780404						NO DATA
780405						NO DATA
780406						NO DATA
780407						NO DATA
780408						NO DATA
780409						NO DATA
780410	1700	1935	1850	0.8	A	2 PEAKS. CHART TIMES ARE APPROX.
780410	2120	2240	2200	1.0	C	I CHART TIMES ARE APPROX.
780411	0020	0130	0058	2.5	C	I CHART TIMES ARE APPROX.
780411	0130	0145	0140	1.5	G	L. CHART TIMES ARE APPROX.
780411	0450	0640	0520	2.6	C	CHART TIMES ARE APPROX.
780411	0800	0920	0840	1.0	C	I. CHART TIMES ARE APPROX.
780411	1400	2050	1610	2.5	E	CHART TIMES ARE APPROX.
780411	2125	2210	2130	1.2	C	L. CHART TIMES ARE APPROX.
780412	0000	0210	0015	3.0	C	SHARP ST.CHART TIMES ARE APPROX.
780413	0140	0500	0300	1.9	E	CHART TIMES ARE APPROX.
780413	1700	2100	1900	1.3	E	IRREG ABSN. CH TIMES ARE APPROX.
780413	2200	0130*	2300	2.6	E	I @ PEAK.CHART TIMES ARE APPROX.
780414	0130	0600	0300	3.5	E	LARGE STORM.CH TIMES ARE APPROX.
780414	0600	0750	0650	2.1	C	I. CHART TIMES ARE APPROX.
780414	0800	0900	0805	1.0	F	MINI EVENT. CH TIMES ARE APPROX.
780414	1150	1220	1200	1.1	F	MINI EVENT. CH TIMES ARE APPROX.
780414	1900	2300	1910	3.4	F	LONG T. CHART TIMES ARE APPROX.
780414	2350	0400*	0130	2.5	F	T. CHART TIMES ARE APPROX.
780415	2100	2300	2220	0.7	A	SLIGHT ST. CH TIMES ARE APPROX.
780416	0100	0500	0150	1.1	E	CHART TIMES ARE APPROX.
780417						
780418	0330	0600	0500	4.4	E	CHART TIMES ARE APPROX.
780418	1850	1900	1855	0.8	B	CHART TIMES ARE APPROX.
780419	1750	2100	1920	1.6	E	CHART TIMES ARE APPROX.
780419	2330	0700*	0000	1.6	F	I. CHART TIMES ARE APPROX.
780420	1720	1830	1750	1.4	C	CHART TIMES ARE APPROX.
780420	2055	0130*	2230	1.5	E	IRREG ABSN. CH TIMES ARE APPROX.
780421						
780422	2000	2200	2005	0.7	B	T.FAST ONSET.CH TIMES APPROX.
780423	0110	0300	0200	2.3	C	CHART TIMES ARE APPROX.
780423	1850	2108	1940	1.4	C	T. CHART TIMES ARE APPROX.
780423	2200	0800*	0600	6.1	E	3.6DB @0100. CH TIMES ARE APPROX.
780424	0900	1100	1010	1.2	C	I CHART TIMES ARE APPROX.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
780424	1230	1300	1235	0.7	B	CHART TIMES ARE APPROX.
780424	1630	2110	1930	1.5	A	ST. CHART TIMES ARE APPROX.
780424	2230	0100*	2320	1.6	C	CHART TIMES ARE APPROX.
780425	0100	0505	0240	3.4	E	CHART TIMES ARE APPROX.
780426	0220	0500	0230	3.7	E	CHART TIMES ARE APPROX.
780426	0600	1000	0800	4.0	E	I. CHART TIMES ARE APPROX.
780426	1300	1800	1720	1.4	E	2 PEAKS.CHART TIMES ARE APPROX.
780426	1800	2230	2030	2.9	E	ST. CHART TIMES ARE APPROX.
780427	0000	0230	0200	1.8	C	CHART TIMES ARE APPROX.
780427	1700	0400*	2110	3.6	E	IRREG ABSN.CH TIMES ARE APPROX.
780428	0800	1100	0915	1.3	E	I. CHART TIMES ARE APPROX.
780428	1700	2250	2050	2.0	E	L&T. CHART TIMES ARE APPROX.
780429	1320	2100	1900	2.3	A	I @ START. CH TIMES ARE APPROX.
780430	2200	0100*	0000	0.9	B	SMALL PEAKS. CH TIMES ARE APPROX.
780430	0100	1000	0520	2.9	E	GRAD FEA. CH TIMES ARE APPROX.
780430	1100	2300	1700	0.7	A	CF. PCA.CHART TIMES ARE APPROX.
780430	2200	2250	2220	1.4	C	CHART TIMES ARE APPROX.
780501	0100	0830	0400	4.5	E	GRAD FEA. CH TIMES ARE APPROX.
780501	1200	1400	1240	5.8	C	QDC LOW.CHART TIMES ARE APPROX.
780502	2100	0000*	2350	2.1	E	ST. CHART TIMES ARE APPROX.
780503	0100	1300	0600	6.4	E	CHART TIMES ARE APPROX.
780503	1400	1500	1430	2.1	E	CHART TIMES ARE APPROX.
780503	1500	1900	1630	3.3	E	CHART TIMES ARE APPROX.
780503	1900	2100	2020	5.3	E	CHART TIMES ARE APPROX.
780504						
780505						
780506	2136	2224	2144	0.6	B	
780507	0023	0158	0053	0.7	B	
780507	0352	0820	0513	3.4	E	1 @ START & END.
780507	1833	1941	1854	1.3	C	SMOOTH ST.
780508	1826	1959	1903	0.9	B	
780509	0351	0542	0440	2.5	C	I. 1 LARGE PEAK.
780509	0944	1202	1039	1.7	E	CUSP W ST IN L.
780509	1428	1511	1440	0.9	B	
780509	1538	1616	1557	0.5	B	
780509	1933	2114	1949	1.3	C	
780510	2037	2124	2104	1.1	C	1 PEAK. L.
780510	2231	2321	2224	0.7	B	
780510	2334	0123*	2348	1.3	C	
780511	0142	0528	0401	7.5	E	STORM.MAIN PEAK W FAST ONSET.
780511	0528	0734	0616	4.5	E	ST.
780511	0845	1000	0908	0.7	B	
780511	1012	1052	1022	0.8	B	
780511	1820	2007	1822	1.8	F	VERY FAST ONSET.
780511	2116	0002*	2234	2.7	E	SMOOTH ST.
780512	0014	0047	0036	1.3	C	ACTIVITY UNTIL 1100.
780512	0052	0210	0108	1.3	C	
780512	0316	0420	0345	1.1	C	
780512	0446	0547	0528	1.0	C	
780512	0557	0733	0620	0.9	C	
780512	0742	0832	0808	0.6	B	
780512	0853	1113	0932	1.1	E	
780512	1639	2100	1738	1.6	E	SERIES OF PEAKS.
780512	2100	2300	2132	1.8	C	
780512	2322	0025*	2325	2.5	F	

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
780513	0030	0300	0124	3.5	E	SHARP PEAKS.
780513	2112	2300	2203	3.9	F	L.
780514	0000	0500	0235	1.1	A	SLIGHT ST.
780514	1720	1912	1830	0.7	A	2 SHALLOW DIPS.
780514	1931	2154	1936	2.6	F	
780515						
780516						
780517	2024	2140	2126	0.9	B	T.
780517	2126	2233	2151	1.2	C	SYM. ST.
780518	1912	2042	1934	0.6	A	
780519						
780520	1822	2124	1852	1.4	C	
780521	1906	2012	1919	0.7	B	
780521	2014	2215	2105	0.8	A	I. SLIGHT ST.
780521	2249	0100*	2350	3.6	E	2 MAIN PEAKS.
780522						NO DATA
780523						NO DATA
780524						NO DATA
780525						NO DATA
780526						NO DATA
780527						NO DATA
780528						NO DATA
780529						NO DATA
780530						NO DATA
780531						NO DATA
780601	0351	0530	0414	0.8	A	I @ START.
780601	2245	0040*	2305	0.5	A	
780602	0518	0610	0532	0.5	A	
780602	1352	1710	1405	0.7	A	
780602	1743	2006	1800	2.8	F	3 PEAKS.
780603	0007	0101	0045	0.8	B	I
780603	1906	1943	1926	0.7	B	
780604	0151	0258	0218	0.9	B	
780604	1440	1600	1456	0.7	A	
780604	1846	1952	1908	1.4	B	L.
780604	2146	0010*	2224	1.5	E	
780605	0102	0128	0110	0.7	B	L TO STORM,
780605	0152	0437	0354	4.7	F	MAJOR STORM.
780605	0355	0750	0608	5.3	F	
780605	0846	1240	0956	1.3	E	T.
780605	1850	2130	2052	1.0	A	
780605	2202	2312	2206	1.6	D	
780606	0032	0122	0104	0.6	B	
780606	2312	0230*	0050	1.2	C	2 PEAKS.
780607	0612	0718	0630	1.5	C	I.
780607	1800	2104	2028	2.3	E	L.
780607	2314	0050*	0002	1.3	C	
780608	0200	0334	0244	1.1	C	
780608	0446	0634	0514	1.4	C	I.
780608	1626	1710	1644	0.5	A	
780608	1846	1926	1906	0.5	A	
780609	0426	0600	0500	0.8	B	I.
780610	0832	0850	0835	1.6	F	SHORT TIME FOR F.
780610	1620	1722	1633	0.6	B	
780610	1746	1900	1808	0.7	B	

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
780610	1942	2206	2126	0.8	A	SLIGHT ST.
780610	2246	2338	2305	1.0	B	
780611	0224	0511	0313	2.5	E	L. 1 PEAK.
780611	0732	0848	0818	1.0	B	
780611	0902	1014	0944	0.7	A	
780611	1206	1326	1225	0.8	A	
780612						
780613						
780614						
780615						
780616	1928	2037	1956	1.4	C	
780617	1100	1336	1210	0.8	A	
780617	2312	0050*	0004	0.7	B	
780618						
780619	0035	0215	0116	0.8	B	
780619	1050	1215	1134	0.9	A	I@ END.
780619	2040	2200	2126	0.7	B	L TO NEXT EVENT.
780619	2200	0210*	2226	1.3	E	
780620						
780621	0200	0320	0252	2.0	C	STORM
780621	0330	0520	0400	4.2	E	STORM. SHARP PEAKS.
780621	0520	0830	0632	1.6	E	END OF STORM.
780621	2314	0200*	0013	2.1	E	I.
780622	0210	0323	0300	2.9	C	1. SHARP PEAKS.
780622	2023	2126	2042	0.9	A	SLIGHT ST.
780622	2334	2352	2338	1.0	B	QUITE FAST ONSET.
780623	0124	0234	0242	1.3	C	
780623	0837	1300	1209	2.5	E	2 PEAKS.
780623	1652	1854	1816	1.0	C	
780623	2136	0014*	2331	2.4	E	ROUNDED PEAKS.
780624	0020	0112	0109	2.1	C	FAST END.
780624	0123	0134	0130	1.9	C	SHARP CUSP.
780624	0134	0330	0144	2.4	F	L.
780624	0406	0530	0402	1.1	C	IRREG ABSN.
780624	0546	0750	0628	2.1	C	
780624	2000	2148	2118	1.6	C	1 SHARP PEAK W L & T.
780624	2202	2325	2228	0.8	B	2 SMALL PEAKS.
780625	0036	0347	0226	1.4	E	IRREG ABSN.
780625	0908	1100	0912	1.0	C	
780625	1830	2112	2031	1.4	C	
780625	2118	2134	2123	1.1	F	SHORT TIME.
780625	2305	0049*	2309	0.8	B	QUITE FAST ONSET.
780626	0448	0720	0533	1.8	E	IRREG ABSN.
780627	2000	2050	2030	1.8	C	SHARP PEAK.
780628	0014	0040	0030	0.5	B	I.
780628	0942	1142	1018	0.8	B	QDC LEVEL JUMPS @ 1142.
780629	2122	2250	2142	3.1	C	END LOST IN POWER FAILURE.
780630	1200	1350	1253	3.1	C	MUCH ST.
780701						
780702						
780703						
780704	0638	0902	0714	0.9	A	SL ST.
780704	1400	1730	1523	0.7	A	ST.
780704	2244	2336	2256	2.6	F	LITTLE ST.
780705	0020	0350	0206	3.5	E	STORM.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
780705	0400	0652	0457	5.7	E	V. SHARP PEAKS.
780705	0745	1125	0850	1.4	E	I.
780705	1644	1825	1733	1.0	C	ONE SMALL PEAK.
780705	1858	2154	1900	2.1	F	LITTLE ST.
780706						
780707	0030	0224	0045	0.7	C	NO MAIN FEA.
780707	1851	2100	1854	0.8	F	2 FEAS.
780707	2227	2350	2319	0.7	B	L. D SHAPE.
780708	0027	0116	0038	0.5	A	SL I.
780708	0249	0400	0332	0.6	B	I.
780708	0917	1100	0943	0.7	A	I.
780708	1656	1843	1746	0.7	A	
780708	1920	2042	1956	1.2	C	1 PEAK.
780708	2146	2330	2233	1.1	C	MANY SMALL PEAKS.
780708	2346	0130*	0032	0.7	B	
780709	0247	0429	0401	0.7	A	SL ST.
780709	1920	1934	1933	0.9	B	ENDS IN I.
780710	0812	0850	0819	3.7	F	1 MAIN FEA. I. MAY BE ARTEFACT.
780710	1052	1101	1058	0.6	F	ATYPICAL FEA. MAY BE ARTEFACT.
780711						
780712						
780713	2330	0300*	0228	2.0	E	MAX ABSN. OCCURS IN SHARP PEAK.
780714	0455	0740	0610	1.4	E	IRREG ABSN.
780714	1010	1300	1036	1.2	E	STEPPING IN SIGNAL LEVEL.
780714	1906	2035	1923	1.2	C	T.
780714	2213	0026*	2221	0.7	A	I.
780715						
780716	0059	0325	0112	2.4	E	I @ START.
780717	2001	2040	2013	0.9	B	CUSP.
780718	0046	0152	0103	0.6	A	I.
780718	1738	1825	1749	0.5	A	
780718	2017	2207	2048	0.9	A	2 FEAS W I.
780719	0052	0125	0100	1.3	D	I @ END.
780720						
780721	0022	0208	0038	0.6	A	SL ST.
780722	0220	0404	0251	1.4	C	NO ST.
780722	0513	0755	0610	0.9	E	I.
780722	1934	2032	1954	0.5	A	I.
780722	2301	2336	2315	0.7	B	
780723	0500	0651	0550	2.6	D	TYPICAL FEA.
780723	1927	2018	2000	0.4	B	2 VERY MINOR DIPS
780723	2040	2349	2238	1.2	E	
780723	2349	0154*	0000	0.8	A	QUITE FAST ONSET
780724	1908	2026	1943	0.6	B	
780724	2331	0107*	0101	0.8	B	FAST DECAY
780725	0113	0158	0116	0.5	B	SL I.
780725	1927	2057	1945	0.6	A	I BEFORE START
780725	2108	2141	2116	2.8	C	LARGE POINTED CUSP; QUITE FAST ONSET
780725	2202	0034*	2310	1.0	E	I BETWEEN THIS EVENT& PREVIOUS ONE
780726						I.
780727						I.
780728						I.
780729						I.
780730						I.
780731						I.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
780801						I.
780802	2032	2055	2040	0.4	B	
780803	2348	0306*	0004	1.6	E	
780804	0306	0320	0316	1.3	C	SHARP PEAK.
780804	0320	0340	0329	1.5	F	STEPPED ONSET.
780804	0340	0435	0406	2.4	C	QUITE FAST ONSET.
780804	0435	0548	0515	1.1	E	MANY SMALL PEAKS
780804	1909	1919	1915	0.6	B	
780805	0253	0520	0416	1.3	C	L.
780805	0624	1310	0920	2.6	E	GRAD FEAS.
780805	1404	1437	1416	0.5	B	
780805	1711	2303	2012	1.3	E	MANY QUITE FAST ONSETS.
780805	2336	0144*	0036	1.1	F	MUCH I.
780806	0305	0450	0419	1.7	C	V. SHARP PEAKS &I.
780806	0510	1122	0803	4.9	E	1 GRAD FEA W ST.
780806	2352	0125*	0003	1.2	C	I. CUSP.
780807						
780808						
780809						
780810	2128	2230	2152	0.6	B	T.
780811	0138	0414	0201	0.7	A	1 GRAD FEA W SL I.
780811	1615	1650	1633	0.5	B	1 @ START.
780812	0255	0640	0400	1.5	E	2 SMOOTH EVENTS.
780812	0705	1335	0826	2.7	E	L, SERIES OF PEAKS.
780812	2025	2241	2115	1.3	C	L, T, &I.
780813	0056	0523	0342	1.4	E	I. GRAD FEA.
780813	1200	1446	1224	1.7	E	I @ START.
780813	2000	2053	2021	0.6	B	SMALL FEA
780813	2356	0145*	0030	1.0	C	I. 1 SMOOTH FEA.
780814						
780815						
780816	1948	2052	2023	1.0	C	LITTLE ST.
780817	1227	1507	1407	1.3	E	SERIES OF SMALL PEAKS.
780818	0037	0147	0118	1.4	C	CUSP.
780818	1752	1815	1800	0.6	B	SL I.
780818	1848	1940	1906	5.1	F	L. FAST ONSET & FAST DECAY.
780818	2051	2119	2106	0.8	B	
780818	2138	2348	2240	1.5	E	IRREG ABSN.
780819	0852	1134	0952	0.6	A	SL ST.
780820						
780821						
780822						
780823						
780824						
780825						
780826						
780827	0403	0423	0411	0.5	B	SMOOTH FEA.
780827	1848	1902	1852	0.6	B	SMOOTH FEA.
780827	2332	0228*	2343	1.3	E	SERIES OF FEAS.
780828	0229	0602	0453	6.9	E	2 SPIKES @ 0519 & 0530UT.
780828	1946	2124	2106	1.4	C	2 MAIN FEAS.
780828	2139	2233	2200	2.0	C	3 FEAS.
780828	2246	0015*	2358	1.5	C	CUSP @ END.
780829	0127	1104	0428	4.4	E	FAST ONSET @ 0410UT. IRREG ABSN.
780829	1151	1302	1223	1.3	C	L.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
780830	0059	0122	0118	0.8	B	1 SMALL FEA.
780830	0147	0332	0230	1.7	C	1 MAIN FEA.
780830	0400	1002	0539	2.6	E	
780830	1028	1504	1134	1.6	E	SMALL FEAS.
780830	1620	1859	1738	2.3	C	2 MAIN PEAKS.
780830	2015	2224	2041	2.6	C	I, MAINLY @ END.
780830	2234	0024*	2341	2.3	C	T.
780831	0105	0412	0131	1.4	E	SMALL PULNS & I.
780831	0525	0901	0650	2.5	E	1 LONG FEA W SL ST.
780831	0912	0951	0927	1.8	C	1 CUSP.
780831	0954	1119	1018	2.8	C	ST IN T.
780831	1223	1245	1236	0.5	B	1 MINOR FEA.
780831	0102	0117	0105	1.1	F	MINI FEA.
780831	1709	1834	1753	1.9	C	SLOW ONSET.
780831	1846	1951	1903	1.3	F	1ST PEAK @1848UT,0.8DB. I.
780901	0149	0215	0204	0.7	B	I. GRAD ONSET.
780901	0241	0422	0351	1.4	E	SL I. 2 SHALLOW FEAS.
780901	0428	0647	0509	2.4	E	1 MAIN FEA W VERY SL ST.
780901	0659	1013	0804	3.2	E	1 MAIN FEA W SMALL CUSP @ END.
780901	1228	1239	1229	0.9	B	MINI D.
780901	1242	1424	1300	0.8	A	T.
780901	2053	2114	2106	1.1	C	SL I.
780901	2209	2331	2235	1.6	C	T & I.
780902	0256	0537	0334	2.1	C	1 MAIN FEA W T.
780902	0703	1150	0749	3.2	E	1 FEA W ST, & 1 SHALLOW FEA.
780902	1210	1604	1323	1.1	E	SHALLOW, LONG FEA.
780902	1800	1908	1837	1.3	C	3 FEAS. SL ST I.
780902	2152	2307	2158	1.6	F	STEPPED ONSET & T.
780903	0316	0820	0418	2.1	E	1 MAJOR FEA W ST & 1 @ 0630.
780903	1018	1450	1156	0.8	A	SL ST.
780903	1507	1546	1525	0.7	B	2 MINOR DIPS.
780904	1200	1420	1234	0.7	A	
780904	1740	1758	1746	0.7	B	CUSP.
780904	1807	1837	1820	0.5	B	SMOOTH FEA.
780904	1944	2024	1950	0.7	B	I. 2 SMALL FEAS.
780905						
780906	0047	0228	0113	0.6	A	2 SL DIPS.
780906	0827	0906	0851	2.3	C	SMOOTH,1 STEP FEA.
780906	1325	1429	1358	1.0	B	L & T.
780907	0844	1014	0949	0.9	A	I.
780908	0002	0131	0127	1.3	C	FAST DECAY.
780908	0131	0203	0200	1.1	C	SMALL SPIKE @ END.
780908	0203	0223	0219	1.7	C	FAST DECAY.
780908	0227	0816	0357	5.1	E	IRREG ABSN. MANY SHARP PEAKS.
780909	1459	1554	1517	0.8	B	MINI ST.
780909	1649	1830	1749	0.5	A	2 SLIGHT DIPS.
780909	1918	2028	1922	1.7	F	I.
780909	2033	2223	2051	0.8	C	1 FEA W IRREG ABSN.
780909	2320	0211*	2342	2.2	E	QUITE FAST ONSET.
780910						
780911	1407	1527	1425	2.2	C	DOUBLE CUSPED EVENT.
780911	2021	2238	2038	1.2	C	
780912	0216	0354	0257	1.1	A	(NEAREST CODE).
780912	0826	1052	1030	1.4	E	2 GRAD FEAS. I @ END.
780912	2210	2324	2243	0.8	B	SL I.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
780912	2338	0122*	0000	0.5	A	SL ST.
780913	0226	0336	0244	0.5	A	SL I.
780914						NO DATA
780915						NO DATA
780916						NO DATA
780917						NO DATA
780918						
780919						
780920						
780921	0409	0703	0431	1.1	E	T.
780922	0309	0605	0520	0.6	A	VERY SL ST.
780923	0421	0703	0451	0.7	A	I @ 0600UT.
780923	1214	1850				PCA.
780923	2020	2226	2142	1.8	C	L.
780924	0307	1830				PCA.
780924	2146	2232	2210	0.8	B	
780925	0251	0415	0342	1.2	C	SLOW ONSET.
780925	0449	1819				PCA. I @ 0700-1100UT.
780925	2142	2315	2238	1.0	C	1 FEA.
780926	0347	0720	0541	3.2	E	MANY SHARP PEAKS. SOME I @ END.
780926	0819	1111	0852	3.7	E	2 MAIN FEAS, W 1.
780927	0110	0351	0211	3.8	E	MANY SHARP PEAKS.
780927	0359	0825	0536	4.1	E	1 MAIN FEA W ST.
780927	1059	1214	1115	1.3	C	L & T.
780927	1657	1916	1719	3.2	F	4 DIPS OF DECREASING ABSN.
780927	2001	2027	2008	0.5	B	L TO NEXT EVENT.
780827	2040	2114	2047	4.7	F	DOUBLE STEPPED ONSET.
780927	2114	2209	2141	1.5	C	SL ST.
780927	2217	2229	2223	0.6	B	
780927	2243	0059*	0033	4.2	F	LARGE SYM DIP @ END OF APPROX. 1 HR.
780928	0106	1204	0508	7.4	E	PROLONGED IRREG ABSN W PULSATIONS.
780928	1947	2107	2047	0.7	B	
780928	2113	2351	2212	4.0	E	2 SPIKE-LIKE PEAKS NEAR START.
780928	2353	0005*	0000	0.5	B	1 SMALL DIP.
780929	0025	0130	0057	0.6	B	
780929	0301	0718	0412	5.9	E	MAJOR STORM & PULNS.
780929	0842	0852	0848	0.4	A	
780929	1303	1346	1311	0.9	B	ST IN T.
780929	1623	1807	1627	1.7	F	I NEAR START.
780929	1823	1853	1831	0.4	A	SL I.
780930	0558	1503	0713	3.8	E	END LOST IN POWER BREAK. I @ 0715UT.
781001	0228	0326	0239	1.1	C	
781001	0432	0531	0527	0.7	B	2 SMALL PEAKS.
781001	0646	1238	1131	1.3	E	SMALL PROLONGED EVENT.
781001	1241	1335	1301	0.7	B	NO ST.
781001	1403	1441	1424	0.9	B	MANY SMALL IRREG PEAKS.
781001	2054	2343	2222	2.9	E	1 MAJOR PEAK W ST BEFORE & AFTER.
781002	0318	0644	0359	1.4	E	LONG EVENT. SL ST.
781002	1926	2014	2001	0.6	B	
781002	2023	2120	2039	1.0	C	I.
781002	2305	0033*	2347	0.6	B	I.
781003	0157	2322	0210	0.7	B	1.
781003	0644	0753	0723	0.9	B	L.
781003	1035	1246	1045	0.8	A	SL ST.
781003	1327	1450	1408	0.4	B	

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
781003	2354	0329*	0035	1.0	E	SMALL ABSN.
781004	0438	0749	0611	1.4	E	
781004	0806	1219	0939	1.3	E	T & I.
781004	2116	2216	2150	0.4	B	
781004	2235	0100*	2349	1.7	E	L & T TO A 3 PEAKED DIP.
781005	0243	0646	0340	1.4	E	LONG, GRAD EVENT.
781006						
781007						
781008	2114	0000*	2219	0.7	A	SL ST.
781009	2318	0809*	0009	3.7	E	MF(2355-0115). LONG T.
781010	2114	2220	2127	1.4	C	SHORT EVENT IN T.
781011						
781012	2012	2050	2028	1.1	C	CUSP-LIKE FEA.
781012	2052	2211	2054	1.2	F	SMALL FEA W I @ END.
781013	0034	0206	0123	0.6	A	SHORT EVENT.
781014						NO DATA
781015						NO DATA
781016						NO DATA
781017						NO DATA
781018						NO DATA
781019						NO DATA
781020						NO DATA
781021						NO DATA
781022						NO DATA
781023						NO DATA
781024						
781025						
781026	1852	1937	1910	1.4	C	I THROUGHOUT.
781026	2100	2135	2119	0.9	B	I @ START. 1 DIP.
781026	2141	0326*	2236	3.5	F	LARGEST ABSN IN 2ND DIP.
781027	0400	0626	0608	1.0	E	SHALLOW ABSN. NO MAIN FEA.
781027	1926	2037	1954	0.9	B	SL I.
781027	2040	2106	2059	0.5	B	SL I.
781027	2204	2250	2214	0.8	B	CUSP SHAPE.
781028	0316	0622	0513	2.6	E	2 MAIN PEAKS.
781028	0657	0735	0718	1.9	C	I BEFORE & AFTER.
781028	2306	0105*	2344	2.4	C	I MAIN PEAK W T.
781029						
781030	0524	0700	0649	0.9	B	
781030	0703	0841	0742	0.9	B	CONSECUTIVE TO PREVIOUS EVENT.
781030	1534	1700	1538	4.3	G	I AFTER SPIKE BUT SOME ABSN LATER.
781030	1909	2018	1946	1.1	C	SL I @ END.
781030	2018	2053	2039	0.6	B	1 SMALL BUT SHARP PEAK.
781030	2149	2336	2154	1.2	E	QUITE FAST ONSET. LITTLE ABSN.
781031	0309	0354	0325	0.5	B	LITTLE ST.
781031	0358	0503	0431	0.4	B	LITTLE ST.
781031	1119	1134	1126	0.5	B	SMALL CUSP.
781031	1905	1948	1921	0.6	B	CUSP.
781031	2014	2216	2025	1.0	C	SHORT PEAK W LONG T.
781101	0206	0416	0308	0.7	A	SL ST.
781101	0531	0955	0934	0.6	B	GRAD FEAS.
781101	1024	1259	1124	2.0	E	L BEFORE MF.
781102	1758	1930	1843	0.8	B	SL I.
781102	1954	2119	2047	0.4	A	SL I.
781102	2152	2301	2154	0.6	B	MINI D SHAPE W SL I.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
781102	2306	0023*	2313	0.6	B	
781103	0109	0416	0236	1.1	E	SL ST.
781103	1758	0142*	2023	0.8	A	MUCH I, MANY SMALL PEAKS.
781104	2232	2335	2244	1.0	B	D SHAPE.
781105	0250	0610	0322	2.2	E	U MAIN FEA W T OF 1.5HRS.
781106						
781107	2233	0050*	2242	2.5	F	
781108	0153	0220	0212	1.0	C	QUITE FAST DECAY.
781108	0354	0600	0456	0.6	A	
781109	0231	0326	0254	1.1	C	CUSP.
781109	0620	0709	0658	0.6	B	
781110	1738	1748	1742	0.4	B	2 SMALL DIPS.
781110	2156	2243	2226	2.9	C	1 MF W L & T.
781111	0058	0149	0124	0.5	B	GRAD EVENT.
781111	0246	0914	0540	1.0	E	PROLONGED EVENT.
781111	2008	2024	2012	1.0	B	1 SMALL DIP.
781112	0100	0311	0132	2.6	E	SPIKE @ 0111UT,2.5DB.
781112	0716	0852	0812	1.6	C	INTERMITTENT I.
781112	1022	1202	1105	1.2	C	I BEFORE & AFTER.
781112	2017	2118	2054	2.2	C	
781112	2130	2226	2158	0.5	B	SL I.
781112	2356	0740*	0112	3.4	E	MANY FEAS TOG, BUT ABSN NEVER FALLS TO ZERO.
781113	2004	2017	2007	0.9	B	1 SHARP DIP.
781113	2040	2207	2046	0.6	B	
781113	2236	2334	2307	1.0	C	MINI D SHAPE.
781114	1652	1908	1718	0.6	A	SL ST.
781114	1908	2252	1912	1.0	F	SMALL FEA FOR CLASS.
781115	0228	1608	0712	2.1	E	12HR EVENT W GRAD ST.
781115	1905	1949	1913	0.7	B	MINI D.
781116	1508	1619	1519	0.5	B	
781117						
781118	0034	0145	0104	0.4	A	
781118	1828	1944	1850	0.4	B	
781119	0314	0520	0343	1.5	C	LARGE CUSP.
781120	0352	0742	0520	1.4	C	CUSP.
781120	1803	1841	1826	1.2	C	SOME I.
781120	1905	2048	1906	2.0	C	I @ START.
781120	2304	0230*	2336	1.5	E	
781121	0447	0708	0551	1.8	E	GRAD FEAS.
781121	0850	1204	1025	1.5	E	SL I @ END.
781121	2206	0253*	0011	2.1	E	FAST ONSET @ 0005UT.
781122	0324	1122	0956	3.9	E	VERY GRAD FEAS.
781122	1149	1225	1208	0.6	B	I.
781122	1458	1610	1548	0.7	B	I.
781122	0803	1832	1809	1.1	C	D SHAPE W I.
781122	1848	1928	1854	1.9	C	1 SHARP PEAK W T.
781122	2100	2153	2102	0.5	B	SL I.
781123	1816	2259	2231	1.4	E	SMALL EVENT.
781123	2356	0135*	0001	0.4	A	
781124	1728	2043	1829	2.6	F	PEAKS W 3 SPIKES BUT IN I.
781124	2056	2110	2058	1.2	F	SOME I. SHORT EVENT.
781124	2214	2310	2225	0.9	B	QUITE FAST ONSET.
781124	2310	2340	2319	0.4	B	1 SMALL DIP.
781125	0106	0850	0530	1.5	E	PROLONGED GRAD ABSN.
781125	0853	1017	0859	0.8	B	GRAD ST.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
781125	1206	1225	1214	0.9	B	SHARP CUSP.
781125	1503	1620	1516	3.6	F	TYPICAL EVENT,(USED AS ILLUSTRATION).SOME I.
781125	1658	1709	1717	0.5	B	2 SMALL DIPS.
781125	1919	2007	1932	0.5	B	
781125	2016	2041	2024	0.5	B	
781125	2219	2338	2235	1.5	C	SMOOTH T.
781126	0144	0228	0155	0.5	B	
781126	0232	0454	0403	0.7	E	MINOR ABSNS.
781126	0456	1412	0601	5.4	E	MANY PEAKS OF VARYING ABSNS. FAST ONSET @ 0556.
781126	1519	1533	1523	0.5	F	I.
781126	1903	2126	1908	2.9	F	I.
781126	2144	1032*	2147	1.6	E	VERY GRAD SL ABSN & SOME ST.
781127	2044	2252	2143	1.5	C	
781128						
781129						
781130	2139	2152	2146	0.6	B	
781130	2241	2348	2314	0.4	B	GRAD FEA.
781201	0056	0248	0137	0.8	A	FAST DECAY SL ST.
781201	0310	0723	0433	0.6	E	SL FLUCTUATIONS IN ABSN.
781202	2304	2348	2311	0.4	B	SL ST.(SMALL A EVENT).
781202	2349	0034*	0026	0.4	B	SL ST.
781203	0437	0529	0516	0.4	B	SL ST.
781203	0600	0652	0631	0.4	B	SL ST.
781204	1936	2116	1958	1.3	C	ST.
781204	2124	2240	2159	0.5	B	
781204	2244	0822*	0247	2.6	E	MF(0218-0340).
781205						
781206						
781207						
781208						NO DATA
781209						NO DATA
781210						NO DATA
781211						NO DATA
781212						NO DATA
781213	2309	2347	2321	0.4	B	SMOOTH FEA.
781214	0127	0310	0200	0.5	A	
781215	0254	0414	0410	1.3	C	2 MAIN PEAKS.
781215	0418	0748	0510	3.2	E	GRAD DECAY.
781215	0759	1105	0844	2.7	E	MUCH I.
781215	1850	1934	1900	0.9	B	SL I.
781215	2129	2236	2139	1.0	C	
781215	2250	2320	2259	0.8	C	
781216	0038	0213	0112	0.5	A	SL ST.
781216	0332	0606	0415	1.4	E	LONG DECAY.
781216	1018	1223	1140	1.5	E	BAD I @ START.
781216	1250	1622	1330	1.2	E	I @ START.
781216	2303	2350	2332	0.4	B	A ST.
781216	2350	0031*	0012	0.6	B	CUSP.
781217	0351	0535	0435	0.8	B	SL LONGER THAN TYPICAL FEA.
781217	2126	2248	2149	0.7	B	
781217	2330	0039*	2351	0.5	A	SL ST.
781218	0821	0921	0838	1.7	C	POOR FEA DUE TO BAD I.
781218	1654	2300	1730	3.0	F	2 FEAS BUT ABSN NOT ZEROING BETWEEN THEM.
781218	2316	1250*	0431	3.7	E	PROLONGED SERIES OF ABSNS.
781219	1712	1954	1735	1.5	C	D SHAPE W ST.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
781219	2027	2158	2032	4.0	G	ST FOLLOWS SPIKE.
781219	2304	0718*	0210	4.4	E	3. DB @ 0530. 3 MAIN FEAS.
781220	0720	1316	1008	3.8	E	MUCH I AFTER 0940UT.
781220	1528	1644	1537	2.7	G	SOME ST FOLLOWS.
781220	1935	2228	2035	2.9	F	L(1935-2032).
781221	0048	1146	0446	2.4	E	IRREG ABSN.
781221	1210	1635	1258	1.7	E	SOME I.
781222	0231	0600	0310	2.9	E	3 FEAS OF DECREASING ABSN.
781223	2114	2210	2148	0.6	B	
781223	0106	0237	0134	0.4	B	LITTLE ST.
781223	0726	1014	0815	1.0	E	1 GRAD FEA.
781224						
781225	0144	0407	0222	0.8	A	VERY SL ST.
781225	2024	2110	2055	0.4	B	LITTLE ST.
781226	0135	0222	0151	0.4	A	SHORT DURATION.
781226	1948	2029	1955	0.4	B	
781226	2336	1012*	0444	2.6	E	PROLONGED GRAD ST.
781227	1339	1630	1431	1.6	E	1 MAIN DIP W T.
781227	1818	2132	1912	1.0	E	
781227	2146	0220*	0137	0.7	A	SL ST.
781228	0405	0436	0224	0.5	B	
781228	1608	1726	1657	0.7	B	FAST DECAY.
781228	1730	2005	1804	1.2	E	SL ST.
781228	2103	2222	2110	0.7	B	
781228	2242	0003*	2256	0.6	B	
781229	1606	1903	1738	1.0	E	L & T.
781229	1929	2142	1952	0.8	B	I W POSSIBLE FAST ONSET @ 1938UT. T. LONG EVENT.
781229	2233	0127*	2324	2.2	E	1 MAIN FEA.
781230	0224	0736	0520	3.2	E	IRREG ABSN. ENDS IN I.
781230	1407	1510	1454	0.4	B	SL I.
781230	1852	2054	1954	0.7	A	I. SL ST.
781230	2236	2316	2241	0.5	B	
781230	2357	0059*	0016	0.7	B	
781231	0059	0206	0132	1.7	C	2 FEAS.
781231	0232	0353	0321	0.7	B	SL ST.
781231	0440	0854	0718	2.0	E	IRREG ABSN. ENDS IN I.
781231	1309	1358	1349	0.7	B	I @ START.
781231	1525	1534	1528	0.4	B	SL I.
781231	1546	1720	1613	0.5	A	1.
781231	1854	1910	1857	0.4	B	VERY SMALL FEA.
781231	2154	0050*	2355	0.6	A	2 GRAD SMOOTH FEAS.
790101	0428	0647	0514	1.1	C	SMALL ST.
790101	2241	2322	2254	0.5	A	SL ST.
790102	1247	1320	1306	0.7	B	I @ START.
790102	1622	1751	1734	0.5	B	SL I.
790102	1826	1939	1928	0.6	B	SL I.
790102	2148	0235*	0056	0.8	E	SERIES OF SMALL FEAS; NO ST.
790103	0309	0555	0413	0.8	A	SL ST.
790103	2235	2314	2300	0.5	A	
790103	2318	0102*	2328	0.7	B	
790104	0106	0515	0314	3.0	E	
790104	0527	0657	0600	2.3	C	
790104	0659	0823	0813	0.9	B	
790104	0826	1030	0847	1.6	C	ENDS IN I.
790104	1428	1448	1438	0.5	B	SL I.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
790104	1515	1609	1543	0.5	B	
790104	1724	1924	1831	2.7	F	2.5DB @ 1735UT.
790104	2028	2054	2045	0.7	B	
790104	2234	0022*	2240	1.7	C	1.7DB @ 0014UT.
790105	0033	0353	0110	1.7	E	
790105	0410	0457	0440	1.3	C	
790105	0509	0753	0540	3.6	E	
790105	1841	1904	1901	0.4	B	
790105	2243	2344	2330	1.0	C	
790106	0040	0153	0103	1.1	C	LITTLE ST.
790106	0158	0254	0212	1.6	C	I.
790106	0258	0434	0348	0.8	B	SL ST.
790107	1530	1650	1610	1.6	C	1 SHORT PEAK.
790107	1909	1939	1934	0.6	B	I.
790107	1939	1958	1953	0.7	B	
790107	2044	2339	2142	1.0	E	0.8DB @ 2304UT. SOME I.
790108	0650	0752	0701	0.5	B	LONG T.
790108	2352	0050*	0033	0.7	B	
790109	2155	2218	2201	0.4	B	
790110						
790111						
790112	0242	0330	0317	1.0	B	
790112	0334	0630	0340	1.2	E	VERY SL ST.
790112	2143	0208*	0012	2.3	E	L & T.
790113						
790114						
790115	1846	2305	1931	2.9	F	2.8DB @ 1937UT. L. 3 SHARP EDGES.
790115	2308	0156*	0009	0.9	A	ST.
790116	0354	0703	0528	1.0	E	SL ST. SMOOTH FEA.
790117	1816	1841	1830	0.4	B	SL I.
790117	1928	2134	2050	0.6	A	SOME ST.
790117	2144	0226*	0031	1.0	E	LONG B.
790118	1838	1919	1845	0.7	B	D ST.
790118	1938	2206	2054	0.6	A	SL ST.
790118	2228	0735	0424	4.6	E	4.6DB @ 0433UT. MF(0330-0600).
790119	1950	2046	2016	0.4	A	
790119	2228	0114*	2302	1.2	E	T. 1 SHORT PEAK @ 2302.
790120						
790121	0204	0320	0231	0.7	B	SYM FEA.
790122	1900	2040	1956	3.0	C	ENDS IN I.
790122	2219	0110	2323	4.1	E	T.
790123	0652	0821	0744	0.8	B	
790123	1856	2015	1903	1.8	C	QUITE FAST ONSET.
790123	2204	2258	2208	0.8	B	
790124	0153	0433	0409	1.7	E	2 FEAS.
790124	0434	0546	0524	0.6	A	
790124	0604	0652	0623	0.5	A	SHORT EVENT.
790124	0846	1002	0916	1.4	C	
790124	1008	1045	1020	0.6	B	
790124	1111	1240	1158	0.4	B	SL I.
790124	1248	1348	1312	0.7	B	
790124	1355	1352	1429	0.5	B	
790124	1941	2009	1956	0.4	B	
790124	2028	2048	2032	0.6	A	SHORT EVENT.
790125	0128	0211	0153	0.6	B	L.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
790125	0218	0712	0354	3.8	E	IRREG ABSN.
790125	1922	1953	1942	0.4	A	SHORT EVENT.
790125	2015	0138*	2029	2.6	E	EDGE @ MAX. LONG T.
790126	0150	0554	0425	1.3	E	
790126	0558	0852	0739	1.9	E	
790126	1625	1750	1730	0.4	B	LITTLE ST.
790126	1934	2106	1955	3.5	F	SPIKE ONSET.
790126	2140	2212	2152	0.7	B	
790126	2246	0115*	2307	4.6	C	3 PEAKS.
790127	0129	0911	0555	3.0	E	PROLONGED EVENT W ONLY GRAD ABSN.
790127	1702	1754	1718	0.4	B	LITTLE ST.
790127	1804	2030	1950	1.6	E	1 MF W ST.
790127	2101	2204	2120	2.2	C	SERIES OF PEAKS.
790127	2353	0023*	0004	0.6	B	1 SMALL PEAK.
790128	0443	0628	0501	0.6	B	1 FEA W SBAN.
790128	0633	0807	0732	0.5	B	
790128	1900	1930	1922	0.7	B	2 SMALL PEAKS.
790129	0453	0718	0617	0.8	A	LONG B.
790129	2253	0451*	0049	0.9	A	0.9DB @ 0231UT. LONG B.
790130	2042	0039*	2224	1.4	E	IRREG ABSN.
790131						
790201						
790202	0131	0220	0143	0.5	B	LONG T. SMOOTH FEA.
790202	0504	0604	0532	0.9	B	SYM FEA.
790203	1822	1911	1958	0.7	B	SL ST.
790204	1647	1824	1720	0.8	B	3 SMALL FEAS.
790204	1826	1926	1850	1.4	C	L TO SHARP ONSET.
790205	0011	0044	0033	1.3	C	L.
790205	0541	0809	0643	1.2	E	1 SMOOTH SYM FEA.
790206	0254	0525	0429	1.6	E	2 SMOOTH DIPS W L & T.
790206	0600	0646	0621	0.4	B	
790206	1904	2005	1939	0.4	B	SL I.
790206	2131	2211	2156	1.5	C	CUSP W T.
790207						
790208	0201	0244	0215	0.6	B	1 SMOOTH FEA W T.
790208	1827	1907	1832	0.4	B	
790208	2227	0112*	0024	0.8	B	L
790209	0234	0438	0306	0.5	A	SL ST.
790209	2223	2241	2229	0.8	B	
790210						
790211	0223	0538	0343	0.5	A	SL ST.
790212	0034	0132	0049	0.7	B	
790212	0136	0516	0353	0.8	A	IRREG ABSN.
790212	0520	0558	0533	1.3	C	ENDS IN I.
790213						
790214						
790215	2016	2212	2136	0.4	A	SL ST.
790216	0429	0616	0602	0.4	A	
790217						
790218	1944	2019	1958	0.5	B	L TO NEXT EVENT.
790218	2028	2214	2031	1.9	F	LONG T.
790218	2228	0218*	2244	1.5	F	SHARP, SMALL EDGE.
790219	0224	0332	0244	1.4	C	
790219	0356	0630	0438	1.6	E	ENDS IN I.
790219	2204	2303	2230	0.5	B	SL I.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
790219	2307	2336	2319	0.7	B	SL I.
790220	0343	0414	0408	0.7	B	SL I.
790220	1846	2036	1922	0.7	A	ST & I @ END.
790221	0308	0417	0327	1.0	C	SL I.
790221	0450	0640	0555	1.2	C	1 MF W ST.
790221	0642	0745	0720	2.3	C	SMALL PULNS.
790221	0746	0852	0833	1.2	C	2 DIPS.
790221	1116	1134	1118	0.5	B	
790221	1956	2016	2006	0.4	B	SHORT EVENT.
790222	0118	0324	0201	0.6	A	SL ST.
790223	0522	0700	0608	0.4	B	
790223	0949	1004	0954	0.4	B	
790223	2050	2137	2058	0.5	B	
790223	2210	0029*	2227	2.8	C	1 MF FOLLOWED BY SMALL FEA.
790224	0033	0154	0142	1.3	C	
790224	0209	0413	0257	1.1	E	SMALL IRREG ABSN.
790224	0426	0509	0445	0.5	B	SMOOTH FEA.
790224	0522	0748	0638	2.0	E	1 LARGE CUSP.
790224	1806	0435*	2111	2.8	E	IRREG ABSN.
790225	0445	0532	0457	0.4	B	
790225	0534	0640	0615	2.0	C	ENDS IN I.
790225	1948	2052	2010	0.9	B	
790225	2106	2314	2244	0.9	B	
790226	0007	0124	0112	1.1	C	RESTART AFTER POWER BREAK.
790226	0413	0524	0449	1.6	C	ENDS IN I.
790226	0617	0752	0638	1.9	C	
790226	1722	1904	1733	2.0	C	QUITE FAST ONSET.
790226	2037	2230	2126	0.7	A	SL ST.
790227	0036	0924	0122	4.2	E	2 EVENTS MERGED TOGETHER; 3.6DB @ 0628UT.
790227	1716	1748	1726	0.5	B	SMOOTH FEA.
790227	1802	1844	1826	0.5	B	SMOOTH FEA.
790227	2228	2248	2230	0.7	B	1 SMALL DIP W L.
790228	0044	0306	0220	1.4	E	1.3DB @0114. L & T.
790228	1756	1858	1809	0.7	B	
790228	2307	0010*	2328	0.4	B	VERY SMALL EVENT.
790301	0029	0046	0035	0.4	B	SHORT FEA.
790301	0218	0336	0232	1.3	C	
790301	2100	2145	2114	0.4	B	
790302	0006	0909	0632	2.0	E	PROLONGED EVENT.
790302	2123	2139	2131	0.4	B	
790302	2204	0414*	2318	1.1	E	
790303	2058	2126	2104	0.5	B	
790304	0013	0442	0123	1.6	E	LONG, IRREG ABSN.
790304	0447	0652	0547	1.5	C	QUITE FAST ONSET.
790304	0923	0944	0930	0.6	B	
790304	1005	1034	1010	1.7	C	1 @ END.
790304	2238	2336	2259	1.1	C	2 SMOOTH DIPS.
790305	0246	0418	0323	0.4	B	
790305	0520	0934	0655	1.4	E	1 LONG CUSP W SL ST.
790306	0025	0046	0036	0.4	B	
790306	0242	0556	0332	2.0	E	ST IN T.
790306	0630	0831	0819	1.9	E	ENDS IN I.
790306	1726	1742	1734	0.4	B	SMALL CUSP.
790306	1812	1837	1822	0.5	B	SMALL CUSP.
790306	2011	2150	2038	2.6	C	2 MAIN PEAKS.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
790306	2348	0150*	0031	0.7	B	
790307	0402	0626	0458	1.5	E	
790307	1936	1954	1944	0.4	B	
790308	0002	0212	0104	0.6	A	
790308	2240	0008*	2314	1.0	C	SMALL ST.
790309	0127	0250	0210	0.8	A	GRAD ST.
790310	0120	0310	0215	2.0	C	2 MFS.
790310	0334	0534	0510	3.3	C	PULN-LIKE ST.
790310	0535	0628	0538	1.5	C	SERIES OF PEAKS. QUITE FAST ONSET.
790310	1838	1918	1856	0.5	B	
790310	2020	2136	2056	1.1	C	SL ST.
790311	0020	0130	0034	0.7	B	LONG T.
790311	0630	0710	0658	0.4	B	SL T.
790311	1244	1325	1249	0.4	B	I @ END.
790312						
790313	0410	0546	0444	1.3	C	CUSP W T.
790314						
790315						
790316						
790317						
790318	0539	0718	0600	2.2	D	ENDS IN I.
790319						
790320	2114	2200	2138	1.0	C	I IN ST.
790321						
790322	2140	2240	2211	0.4	B	
790323	0236	0336	0250	0.8	B	
790323	2217	0002*	0036	0.6	B	SL ST.
790324	0146	0213	0152	0.4	B	SHORT EVENT.
790324	1919	2234	2018	1.8	C	1 SHARP, SHORT PEAK.
790324	2320	0149*	2334	2.9	E	QUITE FAST ONSET.
790325	0155	0440	0303	1.2	E	IRREG ABSN.
790325	0447	0810	0600	2.9	E	1 MF W PULNS.
790325	2000	2125	2038	1.5	C	
790325	2139	2232	2210	3.5	C	ST.
790325	2242	0046*	2300	1.5	C	
790326	0110	0210	0202	0.8	B	
790326	0214	0740	0459	2.7	E	(1.2DB@0302).
790326	0830	1122	0918	1.5	E	I.
790326	1146	1238	1213	1.0	B	1 BEFORE & AFTER EVENT.
790326	1731	1909	1834	1.6	C	QUITE FAST ONSET.
790326	2059	0020*	2110	1.6	E	LONG T.
790327	0431	0849	0514	1.4	E	IRREG ABSN. I.
790327	1821	2025	1841	1.5	C	FAST ONSET IN MIDDLE.
790327	2104	0030*	2344	2.3	E	
790328	0035	0500	0046	2.3	E	PULSATIONS @ 0300-0400.
790329	0609	0649	0623	0.6	B	I.
790328	2040	2315	2106	1.5	E	L&T TO SPIKE EVENT.
790328	2356	0140*	0005	2.8	F	1 @ 0005.
790329	0211	0549	0324	5.3	E	MUCH ST.
790329	0646	0828	0756	3.3	E	SERIES OF FAST ONSETS.
790329	1745	2039	1922	2.0	E	L&T.
790329	2155	0023*	2307	0.5	A	ST.
790330	0110	0208	0128	2.8	C	CUSP.
790330	0405	0625	0537	2.3	E	ST.
790331	0006	0120	0014	1.6	C	QUITE FAST ONSET.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
790331	0237	0438	0348	1.8	C	ONE GRAD. EVENT.
790331	2154	0016*	2337	4.4	F	L(2154-2320).
790401	0257	0649	0410	3.5	E	
790401	0834	1045	0947	0.9	A	ST.
790401	1824	1905	1838	0.9	B	
790401	2112	2312	2207	3.0	C	2 PEAKS.
790402	0102	0442	0140	3.3	E	SERIES OF PEAKS.
790402	0442	0846	0532	1.6	E	
790402	1613	1822	1722	1.5	C	
790402	2146	2300	2213	0.7	B	
790403	0209	0544	0332	1.5	E	GRAD ST.
790403	0705	0852	0728	1.3	C	SOME I.
790403	0950	1033	1002	1.2	F	SHORT W I.
790403	1558	2022	1939	0.7	A	SLIGHT ST.
790403	2038	2356	2208	1.2	E	
790403	2359	1100*	0404	3.9	E	IRREG ABSN.
790404						
790405	0155	0215	0158	0.5	B	
790405	1644	1746	1702	0.5	B	
790405	2145	0007*	2234	0.8	A	ST.
790406	0316	0600	0444	1.8	E	
790407	2220	0116*	2333	2.4	E	ST.
790408	1144	1656	1442	1.1	E	I.
790408	1843	1938	1850	0.4	B	SOME I.
790408	2026	2205	2107	1.1	C	T.
790409	0054	0236	0148	0.6	B	SLIGHT ST.
790410						
790411						
790412	1851	2121	2042	1.1	E	3 PEAKS
790412	2251	0036*	2309	1.6	F	LITTLE ST.
790413						
790414						
790415						
790416	1756	1833	1812	0.4	A	
790417	0040	0146	0058	0.8	B	MINI D EVENT.
790417	0644	1115	0834	2.3	E	MUCH I.
790417	1240	1300	1246	0.6	B	I.
790417	1907	2145	2030	4.3	F	LITTLE ST.
790417	2149	0001*	2311	1.0	C	L&T.
790418	2224	2325	2321	0.4	A	SLIGHT ST.
790419	1758	2003	1830	0.4	A	
790420	2336	0117*	0120	0.4	A	L.
790421						
790422	0057	0402	0218	3.7	E	SHARP PEAKS.
790422	0405	0732	0617	1.1	E	I.
790422	0837	1006	0916	0.4	A	SLIGHT ST.
790422	1139	1243	1200	0.9	B	I.
790422	1834	1914	1846	1.0	F	MINI FEA.
790422	1921	2135	2044	0.6	B	
790422	2340	0020*	2353	0.4	B	
790423	0040	0110	0103	0.4	B	
790423	0141	1047	0723	3.7	E	(3.5DB@0346). STORM.
790423	1214	1450	1304	1.7	E	D SHAPE.
790423	1656	2232	1905	1.4	E	GRAD ST.
790423	2346	0239*	0110	2.3	E	

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
790424	0300	0319	0308	0.6	A	
790424	0319	0511	0410	2.1	C	3 PEAKS.
790424	0650	1010	0756	2.2	C	SYM. EVENT.
790424	1240	1722	1622	0.7	E	
790424	1820	2240	1928	1.7	E	SV ABSN.
790424	2357	0648*	0310	4.9	E	(3.8DB@0128). STORM.
790425	0654	0854	0658	0.7	B	
790425	1048	1144	1135	0.4	B	
790425	2010	2332	2119	5.0	F	(3.6DB@2015).
790425	2336	0415*	0026	1.6	E	(1.6DB@0211).
790426	1824	2355	2146	1.8	E	SV ABSN.
790427	0123	0439	0315	2.7	E	
790427	1609	1744	1652	1.3	C	2 PEAKS.
790427	1846	2007	1912	0.9	B	
790427	2044	2133	2055	0.5	B	
790428	2356	0340*	0150	3.4	E	
790428	0407	0550	0443	1.7	C	SYM EVENT.
790428	0606	0907	0702	3.5	E	
790428	0910	1034	1008	1.3	C	
790428	1044	1132	1046	0.7	B	
790428	1752	2240	2022	1.2	E	SLIGHT ABSN.
790428	2249	0033*	0014	2.5	C	
790429	0035	0057	0042	0.9	B	SYM EVENT.
790429	0100	0342	0308	1.2	E	IRREG ABSN.
790429	0414	0611	0439	2.1	C	SMALL SHARP PEAKS.
790429	0612	0759	0703	3.3	E	V SHARP PEAKS.
790429	1002	1148	1030	1.9	C	I.
790429	1551	1854	1749	1.4	E	MINI F @ 1624.
790429	1921	0012*	2149	4.1	E	STORM.
790430	0018	0358	0051	3.6	E	MUCH ST.
790430	0408	0849	0501	5.0	E	1 MAIN FEA W ST.
790430	0907	1319	1036	3.0	E	I.
790430	1811	2210	1928	0.9	A	SLIGHT ST.
790501	0009	0333	0256	2.6	E	NO MAIN FEA.
790501	0336	0400	0348	0.5	A	
790501	0406	0704	0527	3.3	E	1 MAIN FEA.
790501	1753	2059	1830	2.7	E	IRREG ABSN.
790501	2112	2245	2138	1.2	C	
790501	2246	0929*	0324	4.2	E	(3.9DB@0036)&(3.3DB@0745). STORM.
790502	1919	2046	1931	0.8	B	
790503	0208	0316	0257	0.6	B	
790503	1859	2106	2016	0.8	B	
790503	2258	0209*	2344	1.5	C	GRAD EVENT.
790504	1902	2019	1924	1.7	D	
790504	2047	2246	2115	0.5	A	ST.
790504	2304	0123*	0005	0.8	A	ST.
790505	1851	1928	1901	0.5	B	
790506						
790507	1744	1912	1826	0.5	B	
790508						
790509	1844	1918	1900	0.5	A	
790509	1938	2238	1954	2.3	E	2 SHARP PEAKS.
790510	1938	2106	2036	1.0	C	L TO CUSP.
790511	0019	0100	0037	0.5	B	
790512						

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
790513						
790514	1449	1539	1513	0.4	A	
790514	1858	2030	1945	0.8	B	END UNCERTAIN.
790515	1948	2158	2036	0.7	A	ST.
790516						
790517						
790518	1812	2056	1836	0.8	B	PROLONGED EVENT.
790518	2107	2144	2111	0.5	B	
790518	2325	0040*	2331	0.9	B	
790519	0042	0312	0218	2.4	E	SHARP PEAKS.
790519	0321	0413	0334	0.6	B	
790519	0517	0615	0556	1.1	B	
790519	1038	1116	1056	0.7	B	
790519	1121	1213	1151	0.5	B	
790519	1852	2034	1950	0.6	B	
790519	2108	2226	2140	1.4	C	
790519	2230	2328	2312	0.8	B	
790519	2336	0302*	0033	1.9	E	(1.8DB@0222).
790520	0305	0336	0315	1.0	B	QUITE FAST ONSET.
790520	0336	0414	0343	0.7	B	
790520	0541	0834	0620	1.4	E	(1.4DB@0710). I @ SHARP PEAKS.
790520	1255	1415	1321	0.5	A	
790520	1726	1852	1829	0.5	A	
790520	1852	2020	1929	0.9	B	
790520	2145	2204	2153	0.7	B	L&T.
790521	1830	2028	1835	1.1	C	2 SHARP PEAKS@ 1911 &1912.
790522	1636	1822	1800	0.8	B	L TO NEXT EVENT.
790522	1839	2003	1841	2.1	F	MUCH I.
790522	2016	2052	2030	0.6	A	I.
790522	2126	2347	2159	2.5	C	SMALL FAST ONSET & ST.
790523	0020	0344	0100	1.9	E	
790523	0443	0714	0543	1.3	E	I.
790523	1937	2156	2035	2.0	C	SIGNAL LEVEL UNSURE.
790523	2156	0002*	2303	2.3	E	I.
790524	0002	0027	0014	2.7	C	SYM. FEA.
790524	0041	0137	0118	1.7	C	SMOOTH FEA.
790524	0137	0227	0200	1.6	C	1.
790524	0227	0300	0243	1.3	C	1.
790524	0300	0525	0348	1.8	C	1 MAIN FEA.
790524	0717	1017	0852	1.5	E	MUCH I.
790524	1050	1124	1110	0.5	A	SLIGHT ST.
790524	1658	2008	1947	1.2	E	END LOST IN I; LITTLE ST.
790525	0010	0135	0110	1.9	C	I.
790525	0241	0304	0252	0.7	A	
790525	0317	0552	0417	4.1	F	1. PULSATIONS IN L.
790525	1647	1822	1718	1.3	C	L & T.
790525	1854	2241	2015	2.2	E	IRREG ABSN.
790525	2258	0226*	0128	2.6	E	4 PEAKS.
790526	0313	1043	0653	3.3	E	(2.0DB@0423).PULNS IN EVENT.
790526	1828	1949	1859	2.0	C	SYM EVENT.
790526	2002	2142	2015	2.1	F	SHORT EVENT.
790527	0046	0154	0130	0.7	B	
790527	0200	0311	0226	1.1	B	SLIGHT I.
790527	0317	0443	0418	1.8	C	1.
790527	0454	0708	0513	1.6	E	

DATE	START UT	END UT	MAXIMUM UT	MAXIMUM DB	TYPE	COMMENTS
790527	0720	1202	0812	1.5	E	T.
790527	1208	1326	1228	0.5	A	SLIGHT ST.
790527	1753	1852	1818	0.6	B	L.
790527	2232	0053*	0048	1.1	C	SLIGHT 1.
790528	1750	1826	1808	0.8	B	CUSP.
790528	2000	0126*	2156	1.9	E	
790529	2046	2207	2138	3.2	F	SPIKE @ MAX.
790530	0118	0136	0122	0.9	B	QUITE FAST ONSET.
790531						NO DATA
790601						NO DATA
790602						NO DATA
790603						NO DATA
790604						NO DATA
790605						NO DATA
790606						NO DATA
790607						NO DATA
790608						NO DATA
790609						NO DATA
790610						NO DATA
790611						NO DATA
790612						NO DATA
790613						NO DATA
790614						NO DATA
790615						NO DATA
790616						NO DATA
790617						NO DATA
790618						NO DATA
790619						NO DATA
790620						NO DATA
790621						NO DATA
790622	1600	1850	1650	0.6	A	I.
790623	2124	2141	2200	0.9	B	CUSP. I @ END.
790624						
790625	1120	1356	1234	0.8	A	SL ST.
790625	1938	2000	1949	0.9	B	CUSP
790626	1052	1113	1104	0.5	A	SHORT FEA.
790626	1139	1413	1302	0.7	A	ST.
790626	1458	1600	1509	0.9	B	MINI F ST.
790626	1758	2034	2006	1.4	E	
790626	2034	2132	2049	0.5	B	I @ START.
790626	2148	2316	2216	1.0	C	I
790627	0031	0144	0108	0.5	A	I @ END.
790627	0215	0237	0227	0.5	A	I.
790628						
790629						
790630						
790701						
790702	0213	0348	0234	1.0	C	LITTLE ST.
790703	2154	2233	2159	0.7	B	
790704	0218	0255	0243	1.2	C	SHALLOW CUSP.
790705	2139	2159	2146	0.7	B	NO ST.
790706	1052	1225	1115	0.6	A	
790706	2240	2254	2247	1.3	C	1 SMALL PEAK.
790707						
790708	2042	2138	2053	0.9	B	

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
790709						
790710						
790711						
790712	1749	1812	1757	0.6	A	
790713	0149	0337	0202	0.6	A	SL ST.
790713	2020	2040	2032	0.4	A	
790713	2134	2239	2150	0.5	A	
790714	2334	0054*	2337	1.9	F	
790715	0139	0232	0200	1.1	C	SL ST.
790715	0242	0354	0336	1.5	C	
790715	1958	2046	2023	1.2	C	ASYM. CUSP.
790715	2216	0046*	2254	1.6	E	
790716	0050	0342	0303	0.9	A	SL ST.
790716	2020	2044	2027	0.8	B	
790716	2054	2112	2103	0.7	B	
790716	2250	0112*	0004	1.8	C	SL I.
790717	0250	0558	0428	1.3	E	CF A.
790717	1118	1309	1209	1.4	E	CF A. 1 @ START.
790717	2101	2209	2151	1.8	C	2 PEAKS.
790717	2244	2312	2255	2.6	C	L.
790718	0000	0048	0009	0.9	B	
790718	0103	0244	0120	1.0	C	
790718	2035	2146	2116	2.3	F	ENDS IN I. 2 STEP ONSET.
790718	2343	0150*	0011	2.1	C	I.
790719	0347	0502	0434	1.1	C	FAST DECAY. I @ START & END.
790719	2126	2253	2143	1.8	C	I @ START & END.
790720	0451	0645	0559	0.5	A	
790720	1116	1252	1200	1.7	C	L. QUITE FAST ONSET.
790720	1324	1419	1340	0.6	B	
790720	1931	2124	2008	1.2	C	CUSP.
790721	2124	2158	2140	0.9	B	CUSP.
790722						
790723	0528	0734	0608	0.9	A	ST.
790724	0002	0114	0037	0.7	B	I @ START & END.
790725	0228	0334	0240	0.8	B	2 PEAKS.
790726	1814	1857	1843	0.4	A	2 SMALL CUSPS.
790726	1905	1920	1913	0.4	B	
790726	2030	2059	2048	0.6	B	
790727	1940	2014	1958	0.4	B	1 @ START & END.
790728	0126	0312	0259	1.2	C	
790729	1430	1456	1440	0.4	A	SMALL FEA.
790730						
790731						
790801	1113	0016*	1115	1.2	F	
790802	0600	0618	0617	0.7	B	ISOLATED FEA.
790802	0827	1102	0937	2.9	D	CLASSIC EVENT, BUT > 1HR.
790803	0318	0509	0419	1.7	C	
790803	0814	0127*	1302	2.1	E	LITTLE ST.
790804	0434	0656	0543	1.4	C	T.
790804	1830	1918	1838	1.0	B	SMALL T.
790804	1937	2004	1944	1.3	C	QUITE FAST ONSET.
790804	2035	2044	2039	1.0	B	I.
790805	1903	1953	1917	0.9	B	SMALL FEA.
790805	2353	0112*	0017	0.8	B	MANY SMALL FEAS.
790806	0751	0921	0802	1.6	C	L & T.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
790806	0922	0946	0937	1.8	C	SHORT FEA.
790806	1042	1238	1117	2.1	E	SL. ST.
790807	2020	2107	2043	1.5	F	
790807	2138	2156	2139	2.2	G	T OF 15 MINS.
790808	0030	0048	0035	0.7	B	ASYM FEA.
790808	1832	1919	1844	0.6	A	2 PEAKS; BOTH GRAD.
790808	2352	0054*	0024	0.8	A	GRAD FEA.
790809						
790810	0534	0737	0657	1.3	C	GRAD FEA.
790810	1345	1424	1351	1.1	B	
790810	2225	2251	2229	0.6	B	2 SMALL FEAS.
790811	2005	2109	2036	0.8	B	
790811	2151	2218	2205	0.9	B	I & T.
790812	1917	2001	1931	1.4	C	L.
790812	2220	2317	2303	1.1	C	SHORT FEA.
790813	1145	1232	1210	1.0	B	GRAD FEA.
790813	2149	2210	2206	1.4	C	SHORT FEA.
790813	2329	2356	2337	0.9	B	DOUBLE FEA.
790814	0026	0100	0026	0.9	B	2 GRAD FEAS.
790815	2115	2200	2120	0.6	B	SMALL D SHAPE.
790816						
790817	0133	0230	0149	1.2	C	T.
790818	1345	1514	1414	2.7	C	I.
790818	1947	1956	1949	0.5	B	
790818	2250	0240*	2321	2.2	E	12 SHARP PEAKS &I.
790819	0337	0515	0437	1.5	C	LARGE A.
790819	0724	0728	0726	0.7	B	
790820	0916	0942	0917	2.5	D	I IN T.
790821	0042	0116	0047	1.7	F	GRAD ST IN T.
790821	0353	0436	0413	3.8	C	3 FEAS.
790822	0000	0129	0122	0.8	B	ASYM. FEA.
790822	0453	0728	0505	1.5	F	
790822	1826	1834	1830	0.6	B	SYM FEA.
790823						
790824	1738	1804	1751	0.9	B	SYM FEA.
790825	1136	1322	1155	1.4	E	
790826	0030	0100	0054	1.2	C	L TO PO. WEAK ABSN.
790826	0110	0420	0354	1.7	E	NO MAIN FEA.
790826	0859	0917	0910	0.9	B	
790826	1731	1745	1734	0.5	B	
790827	0318	0506	0338	1.7	D	2 SMALL FEAS.
790828	0054	0136	0110	1.8	D	
790828	2310	2330	2316	1.1	B	TIMES ARE APPROX.
790829	0011	0048	0029	1.1	B	TIMES ARE APPROX. L&T.
790829	0204	0619	0517	2.7	E	LONG L. TIMES ARE APPROX.
790829	0838	1100	1008	0.9	B	
790829	1639	1800	1649	4.3	F	MUCH ST.
790829	1953	2006	1905	1.5	C	SHORT FEA.
790829	2246	2255	2253	1.2	C	SHORT FEA.
790830	0026	0124	0114	1.0	C	ST.
790830	0310	0548	0430	2.4	E	SMALL L.
790831	2130	2200	2142	0.5	B	
790901	1820	2024	2011	1.3	C	LONG L.
790902						
790903	0111	0207	0142	1.3	D	NO ST.

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
790904	1639	1707	1652	1.0	C	
790905	0248	0518	0313	2.0	E	L & T.
790905	1747	1805	1800	0.5	B	1 SMALL DIP.
790905	1956	2119	2018	1.9	F	4 SHARP PEAKS.
790906	0131	0246	0149	1.3	C	SMALL T.
790906	0345	0814	0447	3.1	C	
790906	2256	2305	2303	0.6	C	T. MUCH ST.
790907						
790908						
790909	1817	1913	1856	0.5	B	L.
790909	2236	2341	2311	0.7	B	SHARP ST.
790910	1316	1446	1408	0.7	B	
790910	2301	2355	2316	0.5	A	
790911	0731	0845	0802	0.8	A	LONG L & T.
790911	1146	1217	1158	0.9	B	I.
790912	0005	0105	0021	0.7	A	SYM. FEA.
790912	2301	0041*	2318	1.9	C	2 FEAS & T.
790913	0245	0420	0315	1.1	C	2 SYM. FEAS.
790914	1942	1951	1943	0.8	B	SHARP ONSET.
790915	0016	0046	0021	0.8	B	SHORT T.
790915	1023	1035	1024	0.7	B	LONG T.
790916	0102	0204	0153	0.5	A	
790916	0941	1008	0943	1.6	C	SHORT EVENT.
790916	2146	0126*	2244	1.9	E	ST. L & T.
790917						
790918	0137	0152	0147	1.2	B	SHARP ONSET.
790918	0152	0213	0202	1.6	C	SMALL T.
790919						
790920	2211	2354	2333	2.3	C	3 FEAS.
790921	0028	0436	0052	2.8	E	MAJOR FEA W 4 MAIN PEAKS.
790921	2314	0135*	0021	1.4	C	L & T.
790922						
790923	0231	0621	0453	2.1	C	SMOOTH FEA.
790924	2006	0436*	0306	2.1	E	NO MAIN FEA.
790925	2136	2325	2145	2.0	D	T.
790925	2354	0526*	0340	2.5	E	IRREG ABSN.
790926	1930	2100	2012	1.6	F	SHORT EVENT.
790927	0142	0616	0329	2.5	E	IRREG ABSN.
790928	0434	0749	0528	3.5	E	
790928	0808	1226	1009	2.9	E	GRAD FEA.
790928	1950	2332	2057	1.1	E	4 MAIN PEAKS.
790929	0018	0208	0048	1.6	C	MANY FEAS.T.
790929	0219	0800	0461	3.5	E	GRAD FEA.
790929	2315	0009*	2344	1.9	C	SYM FEA.
790930	0153	0438	0246	2.5	E	IRREG. ABSN.
790930	0451	1114	0653	2.5	E	5 SYM PEAKS.
790930	2105	2218	2108	1.7	C	SYM FEA & T.
791001	0026	0223	0102	2.3	C	POINTED PEAK & T.
791002	2303	0003*	2305	1.0	C	FAST ONSET & FAST DECAY.
791003	0221	0422	0305	2.3	C	L
791003	0602	0739	0633	1.6	C	
791004	0926	0955	0949	1.6	C	SHORT FEA.
791005	2224	2318	2249	1.1	G	
791006	0146	0532	0229	2.1	E	SL ST.
791007	0546	0945	0746	1.3	E	GRAD FEA.

DATE	START UT	END UT	MAXIMUM UT.	DB	TYPE	COMMENTS
791008	2042	2306	2047	2.0	F	F @ 2214,1.8DB.
791008	2306	0246*	0042	2.6	F	
791009	0531	1430	0903	2.4	E	L. MUCH ST.
791009	1836	1921	1844	1.7	F	MUCH ST.
791010	0156	0552	0256	2.4	E	SL ST.
791010	2034	2139	2113	1.6	C	GRAD FEA.
791011						
791012	2244	0017*	2315	2.1	F	
791013						
791014						
791015						
791016	0250	0552	0445	1.3	C	NO MAIN FEA.
791017						
791018						
791019						
791020						
791021	2115	2214	2137	2.4	F	
791021	2315	0045*	2357	1.0	C	L & T.
791022						
791023						
791024						
791025						
791026						
791027						
791028	2042	0035*	2057	0.6	B	SERIES OF FEAS.
791029	2055	2127	2054	0.7	B	
791030						
791031						
791101	1827	2247	2144	1.7	C	2 SPIKE-LIKE FEAS.
791101	2302	0127*	0106	1.4	C	
791102	0220	0900	0602	2.1	C	GRAD FEAS.
791102	1851	2047	2002	1.0	B	L & T.
791103	1726	1859	1827	0.6	B	L.
791103	1932	2151	2030	1.4	C	SPIKE @ 2030.
791104	0036	0511	0137	1.2	E	NO ST.
791105						
791106						
791107						
791108						
791109	2011	2304	2044	1.8	C	T.
791110	2131	2257	2147	0.8	B	ISOLATED FEA.
791111	0036	0341	0230	1.0	B	LONG L & T.
791112						
791113	0151	0657	0618	1.1	E	NO MAIN FEA.
791113	1731	2225	2044	1.0	E	SMOOTH FEAS.
791113	2238	0120*	2349	1.6	C	
791113	0305	0600	0352	2.2	E	T.
791114						
791115						
791116						
791117	1956	2021	2005	0.5	B	
791118						
791119	2157	2208	2204	0.5	B	
791120						
791121						

DATE	START UT	END UT	MAXIMUM UT	DB	TYPE	COMMENTS
791122						
791123						
791124	0328	0548	0440	1.4	B	LITTLE ST.
791124	2104	2206	2117	1.7	F	
791125	0103	0603	0223	1.8	E	SL ST.
791126	1904	1936	1919	0.7	B	1.
791126	2101	2144	2112	0.4	B	
791127						
791128						
791129						
791130						
791201						
791202	0141	0738	0402	1.9	D	2 CLASSIC FEAS. I @ END.
791203	0311	0431	0417	0.7	A	T.
791204	0425	0840	0728	4.8	E	L & T.
791204	1716	1758	1717	5.6	F	MUCH ST.
791205						
791206						
791207						
791208	0350	0610	0418	0.7	A	
791208	1925	2030	2010	0.6	B	ST.
791209						
791210						
791211	1810	1906	1815	0.9	B	MAIN FEA @ END.
791212						
791213						
791214						
791215	0419	0600	0454	0.9	A	
791216	0332	0640	0603	0.6	A	GRAD FEA. 1 @ END.
791216	2155	0048*	2331	0.8	B	L TO SYM. FEA.
791217	0331	0620	0435	1.2	C	SL ST W T.
791217	1645	1807	1757	0.6	B	SL ST.
791217	2051	2204	2145	0.6	B	SHARP ONSET.
791218						
791219						
791220	1738	1817	1800	0.7	B	NO ST.
791221	1747	1811	1804	0.5	B	DOUBLE FEA.
791222	0414	0654	0537	1.1	A	
791222	1910	2135	2049	0.7	B	SHARP ONSET.
791223						
791224						
791225						
791226	2016	2210	2019	1.4	F	ST.
791227	0800	0900	0832	1.5	C	GRAD ONSET.
791228	0342	0621	0457	1.0	E	NO ST.
791228	1314	1450	1332	1.7	C	1.
791228	2141	1442*	0358	2.9	E	MUCH ST IN 17HR EVENT.(2.2DB @2241).
791229	1628	1638	1633	0.6	B	SHORT FEA.
791229	1920	2358	1928	3.1	F	3 SPIKES IN ONSET.
791230	0000	0600	0015	1.7	E	
791230	0600	1400	0842	3.5	E	1.
791230	1814	2033	1855	1.2	C	I.
791230	2234	2320	2240	1.0	B	SYM FEA.
791231	1832	2032	1853	0.7	B	
791231	2114	0044*	2303	3.1	F	ST.

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UAG-30 "Catalogue of Data on Solar-Terrestrial Physics," prepared by NOAA Environmental Data Service, Boulder, CO, October 1973, $1.50. Supersedes UAG-11, 15, and 20 catalogs.

UAG-31 "Auroral Electrojet Magnetic Activity Indices AE(11) for 1969," by Joe Haskell Allen, Carl C. Abston and Leslie D. Morris, National Geophysical and Solar-Terrestrial Data Center, Boulder, CO, February 1974, 142 pp, $0.75.

UAG-32 "Synoptic Radio Maps of the Sun at 3.3 mm for the Years 1967-1969," by Earle B. Mayfield, Kennon P. White III, and Fred I. Shimabukuro, Aerospace Corp., El Segundo, CA, April 1974, 26 pp, $0.35.

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UAG-37 "Auroral Electrojet Magnetic Activity Indices AE(10) for 1966," by Joe Haskell Allen, Carl C. Abston and Leslie D. Morris, National Geophysical and Solar-Terrestrial Data Center, Boulder, CO, December 1974, 142 pp, $0.75.

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UAG-39 "Auroral Electrojet Magnetic Activity Indices AE(11) for 1971," by Joe Haskell Allen, Carl C. Abston and Leslie D. Morris, National Geophysical and Solar-Terrestrial Data Center, Boulder, CO, February 1975, 144 pp, $2.05.

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UAG-46 "Interplanetary Magnetic Field Data 1963-1964," by Joseph H. King, National Space Science Data Center, NASA Goddard Space Flight Center, Greenbelt, MD, June 1975, 382 pp, $1.95.

UAG-47 "Auroral Electrojet Magnetic Activity Indices AE(11) for 1973," by Joe Haskell Allen, Carl C. Abston and Leslie D. Morris, National Geophysical and Solar-Terrestrial Data Center, Boulder, CO, June 1975, 144 pp, $2.10 (microfiche only).

UAG-48A "Synoptic Observations of the Solar Corona during Carrington Rotations 1580-1596 (11 October 1971 - 15 January 1973)," [Reissue of UAG-48 with quality images], by R.A. Howard, M.J. Koomen, D.J. Michels, R. Tousey, C.R. Detwiler, D.E. Roberts, R.T. Seal, and J.D. Whitney, U.S. Naval Research Laboratory, Washington, DC, and R.T. Hansen and S.F. Hansen, C.J. Garcia and E. Yasukawa, High Altitude Observatory, NCAR, Boulder, CO, February 1976, 200 pp, $4.27.

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UAG-55 "Equivalent Ionospheric Current Representations by a New Method, Illustrated for 8-9 November 1969 Magnetic Disturbances," by Y. Kamide, Cooperative Institute for Research in Environmental Sciences, University of Colorado, Boulder, CO; H.W. Kroehl, Data Studies Division, National Geophysical and Solar-Terrestrial Data Center, Boulder, CO; M. Kanamitsu, Advanced Study Program, National Center for Atmospheric Research, Boulder, CO; Joe Haskell Allen, Data Studies Division, National Geophysical and Solar-Terrestrial Data Center, Boulder, CO; and S.-I Akasofu, Geophysical Institute, University of Alaska, Fairbanks, AK, April 1976, 91 pp, $1.60 (microfiche only).

UAG-56 "Iso-intensity Contours of Ground Magnetic H Perturbations for the December 16-18, 1971, Geomagnetic Storm," Y. Kamide, Cooperative Institute for Research in Environmental Sciences, University of Colorado, Boulder, CO, April 1976, 37 pp, $1.39.

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UAG-63 "Geomagnetic Data for March 1976 (AE(7) Indices and Stacked Magnetograms)," by Joe Haskell Allen, Carl C. Abston and Leslie D. Morris, National Geophysical and Solar-Terrestrial Data Center, Boulder, CO, September 1977, 57 pp, $1.11.

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UAG-72 "Energy Release in Solar Flares, Proceedings of the Workshop on Energy Release in Flares, 26 February - 1 March 1979, Cambridge, Massachusetts, U.S.A.," edited by David M. Rust, American Science and Engineering, Inc., Cambridge, MA, and A. Gordon Emslie, Harvard-Smithsonian Center for Astrophysics, Cambridge, MA, July 1979, 68 pp, $1.50 (microfiche only).

UAG-73 "Auroral Electrojet Magnetic Activity Indices AE(11-12) for January - June 1975," by Joe Haskell Allen, Carl C. Abston, J.E. Salazar and J.A. McKinnon, National Geophysical and Solar-Terrestrial Data Center, NOAA, Boulder, CO, August 1979, 114 pp, $1.75.

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UAG-75 "The Alaska IMS Meridian Chain: Magnetic Variations for 9 March - 27 April 1978," by H.W. Kroehl and G.P. Kosinski, National Geophysical and Solar-Terrestrial Data Center, Boulder, CO; S.-I Akasofu, G.J. Romick, C.E. Campbell and G.K. Corrick, University of Alaska, Fairbanks, AK; and C.E. Hornback and A.M. Gray, NOAA Space Environment Laboratory, Boulder, CO, June 1980, 107 pp, $3.00.

UAG-76 "Auroral Electrojet Magnetic Activity Indices AE(12) for July - December 1975," by Joe Haskell Allen, Carl C. Abston, J.E. Salazar and J.A. McKinnon, National Geophysical and Solar-Terrestrial Data Center, NOAA, Boulder, CO, August 1980, 116 pp, $2.50.

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UAG-84 "Catalog of Auroral Radio Absorption During 1976-1979 at Abisko, Sweden," by J.K. Hargreaves, C.M. Taylor and J.M. Penman, Environmental Sciences Department, University of Lancaster, Lancaster, UK, July 1982, 69 pp, $3.00.

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