

The catalogue of main parameters of Forbush Decreases (>50 MeV channel) and related data on Helios spacecraft – *Helios FD*

Date	Date and time of the beginning of the event
Time	
H	Data from Helios 1 or 2
R, AU	Radial distance from the Sun
L, °	Longitude of the spacecraft in the ecliptic plane where Earth is 0° and positive (negative) values indicate west (east)
AF, %	Magnitude of Forbush Decrease
Tmin, h	Time of the FD minimum relative to the onset
Q	Data quality index (1-3 is poor; 4-5 is good)
Stype	Type of interplanetary disturbance: 1 – ICME related to solar flare 2 – ICME related to disappeared solar filament 3 – ICME with undefined solar source 4-7 for mixed events (ICMEs and HSSs with different degrees of influence, the greater the impact of an HSS in SW data the higher the coefficient) 8 – HSS from CH
Vmax, km/s	Maximum solar wind (SW) velocity
Vpart, %	Fraction of SW velocity data available during the FD
Bmax, nT	Maximum interplanetary magnetic field (IMF) value
Bpart, %	Fraction of IMF data available during the FD
VB	Normalized product of maximum SW velocity and maximum IMF value
Tpmin	Minimum SW proton temperature
AF_E, %	Magnitude of corresponding Forbush Decrease recorded later by NMs at Earth (for 10 GV)

Note: -99 – no data

Date	Time	H	R, AU	L, °	AF, %	Q	Tmin, h	Stype	Vmax, km/s	Vpart, %	Bmax, nT	Bpart, %	VB	Tpmin	AF _E , %
1974.12.25	9:00:00	1	0.98	-4	3.1	4	25	-99	522	97	7.6	83	1.59	42000	2
1974.12.26	21:00:00	1	0.98	-5	1.2	4	13	5	544	100	8.9	97	1.93	67100	0.9
1974.12.29	10:00:00	1	0.97	-6	1.9	4	16	2	430	100	10.7	92	1.81	21200	1
1974.12.30	13:00:00	1	0.97	-6	3	4	1	6	574	96	15.6	49	-99	26200	0.6
1975.01.03	12:00:00	1	0.95	-7	3.8	4	31	6	748	100	16	97	4.57	167000	1.7
1975.01.06	20:47:00	1	0.94	-8	10.7	5	8	1	736	100	17.7	97	4.89	52800	2.7
1975.01.08	0:22:00	1	0.93	-8	2.3	4	7	1	671	100	12.8	95	3.18	57900	2.2
1975.01.11	16:00:00	1	0.92	-9	6.5	4	10	7	694	90	14.7	88	3.7	34900	2.7
1975.01.13	19:00:00	1	0.9	-9	1.9	4	9	5	748	100	8.8	96	2.31	149000	0.6
1975.01.15	4:00:00	1	0.89	-9	3.8	4	11	2	714	100	11.4	88	2.82	208000	1.3
1975.01.15	20:00:00	1	0.89	-9	2	4	19	6	749	100	8.3	98	2.15	179000	0.9
1975.01.23	3:00:00	1	0.84	-10	2.5	3	13	18	383	78	12.3	69	-99	19000	0.6
1975.01.25	8:00:00	1	0.82	-10	2.2	4	25	8	527	100	13	94	2.1	24600	0.6
1975.01.28	7:00:00	1	0.8	-10	1.1	4	17	2	438	100	10.2	92	1.32	38500	0.4
1975.01.30	3:00:00	1	0.77	-9	3.9	4	21	8	772	100	17.7	89	3.79	110000	1
1975.02.02	16:00:00	1	0.74	-9	1.8	4	24	8	691	100	14.2	81	2.57	105000	-99
1975.02.06	19:00:00	1	0.7	-7	2.5	4	16	2	455	92	16.6	86	1.82	20100	1.1
1975.02.08	7:00:00	1	0.68	-6	2.9	4	75	8	784	97	20.7	85	3.74	115000	2.1
1975.02.13	8:00:00	1	0.62	-3	1.1	4	20	-99	706	100	12.4	86	1.75	212000	-99
1975.02.21	9:00:00	1	0.53	6	7	4	14	6	477	91	20.7	80	1.56	63200	-99
1975.02.23	19:00:00	1	0.5	9	1.5	4	11	-99	534	100	29.9	100	2.31	68000	-99
1975.02.27	14:00:00	1	0.45	18	3.2	5	25	8	691	98	25.3	75	2.15	91700	1
1975.03.04	0:00:00	1	0.39	33	1.1	4	5	1	689	100	25.3	100	1.73	247000	-99

1975.03.04	10:00:00	1	0.39	33	9.7	4	14	1	704	100	35.4	44	-99	35100	3.3
1975.03.10	8:00:00	1	0.33	61	3.1	4	6	-99	336	100	32.5	83	0.84	47600	-99
1975.03.13	0:00:00	1	0.32	79	2.8	4	47	8	679	93	55.5	98	2.77	83900	1.1
1975.03.17	23:00:00	1	0.32	103	1.4	4	5	-99	345	100	53.2	100	1.35	105000	-99
1975.03.18	13:00:00	1	0.32	108	2.8	4	13	3	462	100	54	94	1.84	24300	-99
1975.03.20	11:00:00	1	0.34	119	2.1	4	13	6	639	93	51	75	2.63	121000	-99
1975.03.22	21:00:00	1	0.36	128	1.7	4	7	-99	446	88	35.6	75	1.4	57300	-99
1975.03.27	20:00:00	1	0.41	146	1.4	4	16	-99	394	89	20.4	48	-99	26200	-99
1975.03.31	17:00:00	1	0.47	156	3.8	3	16	-99	322	65	-99	0	-99	41500	-99
1975.04.01	12:00:00	1	0.48	158	4.2	4	19	3	752	100	46.9	94	4.8	39900	-99
1975.04.06	18:00:00	1	0.54	166	3.8	4	49	-99	753	98	21.3	62	-99	99600	-99
1975.04.14	10:00:00	1	0.64	174	1.3	2	5	-99	399	81	16.3	81	1.36	13700	-99
1975.04.18	19:00:00	1	0.69	176	2	2	12	-99	480	60	14.3	5	-99	14300	-99
1975.04.22	6:00:00	1	0.71	178	5	2	55	-99	437	47	-99	0	-99	12500	-99
1975.06.02	4:00:00	1	0.96	175	2.3	3	10	-99	664	67	8.6	53	-99	104000	-99
1975.06.03	10:00:00	1	0.96	175	1.4	2	14	-99	753	67	6.8	53	-99	96100	-99
1975.06.10	14:00:00	1	0.96	173	1.6	2	16	-99	370	38	6.9	16	-99	14400	-99
1975.06.13	13:00:00	1	0.96	173	3.8	2	49	-99	631	67	12.4	61	-99	18200	-99
1975.06.19	17:00:00	1	0.96	171	1.6	4	15	-99	536	64	11.5	59	-99	73200	-99
1975.06.28	20:00:00	1	0.96	169	2.3	2	18	-99	629	28	10	28	-99	38100	-99
1975.07.02	2:00:00	1	0.95	168	1.3	2	1	-99	545	36	9.9	36	-99	54800	-99
1975.07.10	5:00:00	1	0.92	166	2.9	2	34	-99	462	36	10.4	36	-99	14800	-99
1975.07.11	18:00:00	1	0.92	166	4.6	4	46	-99	739	100	17.2	75	4.61	148000	-99
1975.07.13	11:00:00	1	0.91	166	1.4	4	5	-99	696	73	12	41	9	143000	-99
1975.07.21	13:00:00	1	0.87	165	3.6	4	9	-99	516	100	28.7	84	4.94	18300	-99
1975.07.26	6:00:00	1	0.84	164	1	3	5	-99	587	67	11.7	64	-99	184000	-99
1975.07.29	21:00:00	1	0.82	164	9.7	3	32	1	552	96	15.7	59	-99	20900	-99
1975.07.31	23:00:00	1	0.82	164	3.4	4	15	-99	446	100	11.8	97	1.61	35700	-99
1975.08.04	23:00:00	1	0.78	165	3.9	4	41	-99	658	84	15.1	48	-99	18100	-99
1975.08.07	6:00:00	1	0.76	165	2.3	3	25	-99	696	78	14.9	69	-99	145000	-99
1975.08.09	20:00:00	1	0.74	165	2.4	4	5	-99	694	100	10.5	77	1.9	106000	-99
1975.08.16	2:00:00	1	0.67	168	1	4	8	-99	400	100	13.1	96	1.18	46900	-99
1975.08.17	5:00:00	1	0.66	168	1.3	4	23	-99	547	91	15.7	89	1.89	59100	-99
1975.08.20	16:00:00	1	0.63	170	1.6	3	5	-99	405	36	15.3	31	-99	45100	-99
1975.08.22	17:00:00	1	0.61	172	2.3	2	11	-99	425	36	13.4	12	-99	21300	-99
1975.08.25	11:00:00	1	0.57	174	2.9	3	48	-99	644	64	18.9	23	-99	95400	-99
1975.09.01	10:00:00	1	0.48	-176	2.7	3	35	-99	664	38	19.9	14	-99	204000	-99
1975.09.05	22:00:00	1	0.43	-167	2	4	19	-99	743	56	23.8	36	-99	168000	-99
1975.09.10	13:00:00	1	0.37	-152	2.3	4	35	-99	672	98	37.8	73	2.33	34900	-99
1975.09.17	8:00:00	1	0.32	-118	3	4	28	-99	488	88	40.1	64	-99	42300	-99
1975.09.23	7:00:00	1	0.32	-82	1.6	4	7	-99	390	100	47.5	96	1.37	143000	-99
1975.09.27	19:00:00	1	0.34	-61	2.2	4	21	8	448	77	43	74	1.55	61500	-99
1975.10.02	19:00:00	1	0.4	-41	3.6	4	43	-99	631	82	28.2	40	-99	209000	-99
1975.10.07	20:00:00	1	0.46	-28	2.2	4	11	-99	408	86	22.6	45	-99	46600	-99
1975.10.09	23:00:00	1	0.49	-24	3.8	4	22	2	346	88	16.6	35	-99	13800	-99

1975.10.10	22:00:00	1	0.5	-22	4.3	4	16	-99	533	93	30.9	64	-99	26200	-99
1975.10.15	0:00:00	1	0.57	-15	1	3	13	-99	386	62	16.7	19	-99	39100	-99
1975.10.15	16:00:00	1	0.57	-15	2	3	18	3	457	57	16.5	29	-99	20200	-99
1975.10.17	11:00:00	1	0.59	-13	1.7	3	4	-99	428	100	24.4	61	-99	29000	-99
1975.10.31	5:00:00	1	0.75	-6	7.9	3	84	8	731	86	19.3	67	-99	23500	2.1
1975.11.04	2:00:00	1	0.79	-5	1.7	3	15	5	670	62	13.3	21	-99	73500	1.7
1975.11.08	13:00:00	1	0.82	-5	3	4	18	3	396	100	26	68	-99	20400	-99
1975.11.09	14:00:00	1	0.83	-5	5	4	50	-99	669	86	21.9	70	-99	28200	-99
1975.11.14	10:00:00	1	0.86	-5	1.7	4	13	-99	480	92	9.6	58	-99	40200	-99
1975.11.16	18:00:00	1	0.88	-5	2.7	3	18	2	357	95	15.5	61	-99	13400	1.6
1975.11.18	11:00:00	1	0.89	-5	3.1	4	22	2	496	96	18.1	33	-99	51700	1.4
1975.11.19	16:00:00	1	0.9	-6	4.5	4	11	6	565	81	15.9	26	-99	31000	1.2
1975.11.21	6:00:00	1	0.91	-6	9.3	4	22	2	543	86	28.8	36	-99	13800	2.6
1975.11.26	7:00:00	1	0.93	-7	3.3	2	3	-99	418	97	6.3	33	-99	10900	2
1975.11.27	19:00:00	1	0.94	-7	1.7	2	19	-99	594	69	17.2	42	-99	20600	2
1975.12.07	14:00:00	1	0.97	-10	1.7	3	9	-99	417	92	9.7	46	-99	45400	-99
1975.12.08	4:00:00	1	0.98	-10	2.7	3	23	3	520	86	11	16	-99	21800	-99
1975.12.13	12:00:00	1	0.99	-11	2	4	14	-99	548	93	11.6	32	-99	26900	0.6
1975.12.16	0:00:00	1	1	-12	2	3	47	-99	513	88	8.4	32	-99	36400	-99
1975.12.20	9:00:00	1	1	-14	3	4	8	-99	465	85	8.3	41	-99	20400	-99
1975.12.24	4:00:00	1	1	-15	4.5	4	47	-99	723	95	17.7	64	-99	37100	2.2
1975.12.27	6:00:00	1	1	-16	2.7	4	22	-99	712	97	10.3	94	3.02	84100	-99
1976.01.02	2:00:00	1	1	-17	4.7	4	10	-99	536	79	10.9	42	-99	24300	0.9
1976.01.04	22:00:00	1	1	-18	2.1	2	17	-99	604	53	13.2	23	-99	37900	-99
1976.01.09	20:00:00	1	0.99	-20	2.4	4	14	-99	531	85	11.1	15	-99	14600	-99
1976.01.20	13:00:00	2	1	-2	2.3	4	29	-99	-99	0	-99	0	-99	-99	0.7
1976.01.22	3:00:00	2	1	-2	2.4	4	19	-99	-99	0	-99	0	-99	-99	1.6
1976.01.29	12:00:00	1	0.91	-24	4.4	3	40	7	601	91	17.1	47	-99	36600	1.7
1976.01.30	4:00:00	2	0.98	-4	3.7	3	46	6	590	100	19.9	100	4.7	39200	1.7
1976.02.01	20:00:00	2	0.97	-5	2.4	4	5	-99	640	100	8.9	90	2.24	98800	-99
1976.02.04	14:00:00	1	0.86	-25	1.7	3	21	-99	598	75	13.9	33	-99	63900	-99
1976.02.07	0:00:00	2	0.95	-7	2.4	5	31	8	694	98	12.7	57	-99	32900	0.8
1976.02.14	13:00:00	1	0.78	-25	2	4	18	7	669	92	17.2	33	-99	94300	-99
1976.02.17	4:00:00	2	0.9	-9	2.7	4	15	7	737	100	17.6	92	4.57	88800	1.7
1976.02.24	1:00:00	2	0.86	-10	1.7	4	2	-99	390	100	7.7	92	0.99	28500	-99
1976.02.24	20:00:00	1	0.68	-22	2.4	2	12	-99	757	50	16.3	26	-99	212000	-99
1976.02.25	4:00:00	2	0.85	-10	1.7	4	1	-99	405	100	13.3	100	1.74	37600	-99
1976.02.25	21:00:00	2	0.85	-10	4.7	4	27	7	755	100	17.2	89	4.2	66400	1.2
1976.02.27	16:00:00	1	0.65	-20	2.1	3	3	3	533	88	20.4	31	-99	29900	1.2
1976.02.27	17:00:00	2	0.83	-10	1	4	14	3	650	100	13.5	88	2.74	23400	1.2
1976.02.29	23:00:00	2	0.82	-10	3	4	6	7	661	100	8.3	92	1.69	103000	-99
1976.03.02	4:00:00	1	0.61	-17	2.3	3	20	-99	553	60	16.9	30	-99	100000	-99
1976.03.03	1:00:00	2	0.79	-10	1	3	17	-99	500	100	8	89	1.15	78600	-99
1976.03.04	6:00:00	2	0.78	-10	3	4	52	-99	738	98	13.6	71	2.85	66700	-99
1976.03.05	2:00:00	1	0.57	-14	1.7	3	12	7	774	50	17.7	50	-99	191000	0.8

1976.03.05	21:00:00	2	0.78	-10	1.4	4	13	7	738	98	12.1	55	-99	207000	0.8
1976.03.11	16:00:00	1	0.49	-5	1.7	4	19	-99	460	91	23.3	91	1.5	64600	-99
1976.03.12	15:00:00	2	0.71	-8	1.7	4	8	-99	438	100	14.8	100	1.6	64200	-99
1976.03.12	16:00:00	1	0.48	-3	3	4	5	3	376	100	21	61	-99	25400	-99
1976.03.13	11:00:00	2	0.7	-8	2	4	3	3	405	100	21.5	95	2.09	17500	-99
1976.03.13	17:00:00	1	0.47	-1	2.7	4	17	6	711	95	27.6	71	2.58	144000	2
1976.03.14	5:00:00	2	0.69	-7	3.3	4	37	6	684	100	27.6	95	4.44	75600	2
1976.03.22	6:00:00	1	0.35	29	3.6	2	18	-99	436	41	38.6	36	-99	41400	-99
1976.03.23	1:00:00	1	0.34	34	3.1	3	6	-99	397	100	45.3	70	-99	33100	-99
1976.03.25	8:00:00	1	0.32	44	4.9	3	19	2	466	100	55.4	100	1.9	181000	-99
1976.03.26	4:00:00	1	0.32	50	14	3	3	1	520	100	72.4	100	2.77	59800	-99
1976.03.29	19:00:00	2	0.49	8	5.1	3	6	-99	418	100	37.8	100	2.21	68000	-99
1976.03.30	4:32:00	2	0.47	9	21	3	7	1	527	100	51	100	3.54	32900	4.3
1976.04.01	12:00:00	2	0.45	14	8.1	4	6	3	585	100	46.8	100	3.37	131000	-99
1976.04.01	19:00:00	1	0.32	86	6.2	4	18	-99	362	98	37.4	64	-99	61800	-99
1976.04.05	4:00:00	2	0.39	25	1.1	3	2	-99	655	100	25	100	1.63	265000	-99
1976.04.05	5:00:00	1	0.34	107	1.1	3	21	-99	708	96	35.8	93	2.05	154000	-99
1976.04.11	11:00:00	1	0.41	130	3.1	4	52	-99	420	91	21.5	89	0.97	34200	-99
1976.04.11	17:00:00	2	0.32	51	3.5	4	77	-99	746	99	46.6	99	2.56	101000	-99
1976.04.19	15:00:00	1	0.51	148	2.7	4	26	-99	762	98	26.6	87	3.03	41900	-99
1976.04.21	8:00:00	1	0.54	151	1.7	4	6	-99	791	79	17.3	38	-99	100000	-99
1976.04.23	11:00:00	1	0.55	153	2.4	2	12	-99	756	91	14.4	85	1.82	147000	-99
1976.04.25	3:00:00	2	0.34	136	3.1	3	27	-99	565	100	-99	0	-99	162000	-99
1976.04.30	23:00:00	2	0.4	155	19.7	2	73	-99	535	97	23.3	44	-99	26500	-99
1976.05.02	12:00:00	1	0.66	161	5.1	3	54	-99	535	89	20.3	75	2.4	22600	-99
1976.05.05	9:00:00	2	0.47	167	4.4	3	39	-99	541	61	23.3	46	-9	42300	-99
1976.05.06	4:00:00	1	0.7	162	2	4	10	-99	391	100	20.8	94	1.96	25000	-99
1976.05.06	20:00:00	1	0.7	162	1.7	4	9	-99	590	73	15.5	73	2.2	73800	-99
1976.05.09	9:00:00	1	0.73	163	2	4	14	-99	403	89	9.3	46	-99	27700	-99
1976.05.11	5:00:00	2	0.55	176	2.1	2	2	-99	478	54	20.3	43	-99	43100	-99
1976.05.12	14:00:00	1	0.76	164	3.3	4	9	-99	486	88	17.7	80	2.35	18700	-99
1976.05.13	6:00:00	1	0.77	164	2	4	10	-99	509	88	14.5	68	-99	102000	-99
1976.05.16	0:00:00	1	0.79	165	1.7	3	24	-99	336	87	12.4	77	1.21	17200	-99
1976.05.17	11:00:00	1	0.8	165	2.3	3	11	-99	362	57	19.5	53	-99	24500	-99
1976.05.20	19:00:00	1	0.82	165	1.3	4	10	-99	723	90	7.8	80	1.71	113000	-99
1976.05.27	19:00:00	1	0.87	165	1.3	3	21	-99	372	63	9.1	26	-99	19000	-99
1976.05.28	20:00:00	1	0.87	164	1.6	4	10	-99	455	93	8.2	61	-99	18400	-99
1976.05.30	23:00:00	1	0.89	164	2.2	4	31	-99	510	87	18.1	61	-99	31400	-99
1976.06.03	9:00:00	1	0.91	164	3.5	4	10	-99	609	87	7.5	65	-99	16600	-99
1976.06.07	7:00:00	2	0.83	-174	3.7	3	18	-99	458	35	-99	0	-99	25100	-99
1976.06.07	8:00:00	1	0.92	163	4.2	2	19	-99	382	28	15.3	22	-99	9650	-99
1976.06.09	10:00:00	1	0.92	163	3.6	4	12	8	612	89	23.1	47	-99	29500	-99
1976.06.09	21:00:00	2	0.83	-174	1.7	2	21	8	657	23	-99	0	-99	114000	-99
1976.06.12	2:00:00	1	0.93	162	3.6	3	20	-99	390	95	12	54	-99	24500	-99
1976.06.15	14:00:00	1	0.94	162	1.7	4	33	2	694	93	13.7	87	3.57	16400	-99

1976.07.12	23:00:00	1	0.96	155	1.3	3	0	-99	544	89	11.4	30	-99	53600	-99
1976.07.25	11:00:00	1	0.92	152	1.8	4	17	-99	382	87	17.5	52	-99	14200	-99
1976.07.29	3:00:00	1	0.91	151	3.4	4	45	-99	420	93	10.7	79	1.6	15900	-99
1976.07.31	9:00:00	1	0.9	151	2.5	4	37	-99	521	61	12	52	-99	70900	-99
1976.08.03	11:00:00	1	0.89	150	1.9	1	63	-99	545	58	13.1	13	-99	49800	-99
1976.08.17	14:00:00	1	0.8	150	0.6	3	9	-99	372	37	12.8	11	-99	19100	-99
1976.08.23	22:00:00	1	0.75	150	6.3	3	46	-99	405	51	11.2	24	-99	23900	-99
1976.08.24	21:00:00	2	0.86	170	1.2	4	7	-99	504	85	5	19	-99	29700	-99
1976.08.26	0:00:00	2	0.85	170	2.5	3	25	-99	431	88	7.4	55	-99	36700	-99
1976.08.29	3:00:00	2	0.83	170	4.5	4	35	-99	685	83	14.8	59	-99	24700	-99
1976.08.31	13:00:00	1	0.68	153	1.3	2	16	-99	552	65	15	38	-99	38500	-99
1976.09.02	10:00:00	1	0.66	154	1	3	13	-99	355	62	12.3	32	-99	29400	-99
1976.09.03	20:00:00	1	0.64	155	1.3	2	7	-99	444	27	19.7	11	-99	29400	-99
1976.09.06	17:00:00	1	0.6	158	2.3	2	66	-99	719	28	16.6	8	-99	100000	-99
1976.09.23	18:00:00	1	0.41	-174	3.7	2	38	-99	393	50	50.8	38	-99	31400	-99
1976.09.28	21:00:00	1	0.35	-156	4.7	4	13	1	428	84	66.3	54	-99	78200	-99
1976.10.01	13:00:00	1	0.32	-140	2.2	4	7	-99	428	100	34.8	89	1.1	147000	-99
1976.10.03	3:00:00	1	0.31	-129	1.3	3	40	-99	585	96	47.5	72	1.95	85900	-99
1976.10.07	5:00:00	2	0.4	-157	5.7	3	42	-99	594	61	39.6	61	-99	35300	-99
1976.10.07	22:00:00	1	0.31	-105	1.9	4	24	-99	352	67	41.8	52	-99	63800	-99
1976.10.10	7:00:00	1	0.33	-88	1.9	4	38	-99	445	74	43	57	-99	108000	-99
1976.10.12	3:00:00	1	0.34	-78	3.2	4	20	-99	386	80	35.3	80	1.1	72500	-99
1976.10.23	20:00:00	2	0.31	-70	0.9	4	19	-99	565	100	39.2	15	-99	199000	-99
1976.10.25	12:00:00	1	0.51	-38	1.8	2	13	-99	576	59	21.4	35	-99	129000	-99
1976.10.29	0:00:00	1	0.56	-32	1.5	3	3	-99	395	69	33.4	65	-99	63500	-99
1976.10.30	21:00:00	1	0.57	-31	1.2	3	14	-99	346	75	13.2	25	-99	15900	-99
1976.11.01	12:00:00	2	0.41	-28	4.8	4	54	-99	324	50	25.4	30	-99	23900	-99
1976.11.02	18:00:00	1	0.61	-28	3	4	40	-99	307	91	16.9	85	1.01	19600	-99
1976.11.03	8:00:00	1	0.62	-27	2.2	4	36	-99	307	89	16.9	83	1.04	15600	-99
1976.11.04	6:00:00	2	0.45	-19	1.6	4	18	-99	381	83	21.5	65	-99	25100	-99
1976.11.05	5:00:00	1	0.64	-25	0.9	3	15	-99	384	100	22	85	1.78	19300	-99
1976.11.06	6:00:00	2	0.48	-15	1.3	3	14	-99	631	63	34.5	30	-99	78100	-99
1976.11.06	16:00:00	1	0.65	-25	1.6	4	16	-99	648	100	16.4	81	2.29	84500	-99
1976.11.08	2:00:00	2	0.51	-11	2.3	4	41	-99	681	30	19.1	14	-99	133000	-99
1976.11.08	16:00:00	1	0.68	-24	1.6	4	7	-99	686	100	13.8	69	-99	226000	-99
1976.11.09	2:00:00	2	0.52	-10	2.6	3	67	-99	699	62	19.1	53	-99	176000	-99
1976.11.10	7:00:00	1	0.7	-23	2.2	4	14	-99	727	92	12	83	2.09	156000	-99
1976.11.16	2:00:00	1	0.76	-21	1.9	4	15	-99	433	100	14.7	78	1.74	35900	-99
1976.11.17	9:00:00	1	0.77	-21	1.6	4	8	-99	407	97	14.7	92	1.67	23600	-99
1976.11.18	2:00:00	2	0.64	0	2.2	3	18	-99	512	82	15.5	62	-99	40500	-99
1976.11.19	2:00:00	1	0.78	-20	1.3	4	21	-99	382	100	9.3	75	1.01	22400	-99
1976.11.20	12:00:00	1	0.79	-20	2.2	3	12	-99	382	94	14.1	75	1.56	29300	-99
1976.11.20	17:00:00	2	0.66	1	2.9	4	39	-99	438	100	15	96	1.44	40500	-99
1976.11.21	17:00:00	1	0.8	-20	1.9	4	29	-99	359	97	14.1	67	-99	22000	-99
1976.11.23	7:00:00	1	0.82	-20	2.5	4	28	-99	360	100	11.8	100	1.3	12100	-99

1976.11.23	13:00:00	2	0.69	2	1.6	4	7	-99	350	100	12.2	77	1	21800	-99
1976.11.26	7:00:00	1	0.84	-20	1.6	4	2	-99	402	96	18.6	93	2.37	21800	-99
1976.11.28	5:00:00	1	0.85	-20	1.2	4	1	8	410	94	9.9	94	1.31	38200	-99
1976.11.28	7:00:00	2	0.74	4	2.8	4	6	-99	409	91	16.2	67	-99	36400	-99
1976.11.30	4:00:00	1	0.87	-20	2.1	4	14	-99	384	100	6.5	94	0.83	12700	-99
1976.12.01	16:50:00	1	0.87	-20	5.4	4	41	7	563	98	14.1	87	2.65	24100	1.4
1976.12.01	18:00:00	2	0.77	4	1.9	4	8	2	364	96	8.8	88	0.89	24500	-99
1976.12.03	3:00:00	2	0.79	5	1.2	4	9	2	344	100	8.4	100	0.83	26700	-99
1976.12.03	15:00:00	2	0.79	5	3.1	5	22	7	559	98	15.9	83	2.57	27500	1.4
1976.12.05	16:00:00	1	0.9	-21	1.6	4	22	-99	550	97	15.5	97	2.99	26300	-99
1976.12.07	5:00:00	2	0.82	5	2.2	4	24	2	417	76	12.5	41	-99	32200	1.3
1976.12.07	7:00:00	1	0.91	-21	4.4	4	31	2	629	98	9.4	94	2.12	60500	1.3
1976.12.09	9:00:00	1	0.93	-22	1.9	2	16	8	570	97	12.2	92	2.57	57000	-99
1976.12.10	9:00:00	2	0.86	5	4.2	3	18	-99	558	96	14.8	52	-99	46500	0.8
1976.12.14	20:00:00	1	0.95	-23	4.7	4	40	8	571	100	11.1	47	-99	21000	0.8
1976.12.16	5:41:00	2	0.9	4	4.1	3	19	3	463	60	17.1	36	-99	19900	-99
1976.12.17	6:00:00	2	0.9	4	4.5	3	21	-99	532	58	18.4	35	-99	15600	-99
1976.12.19	14:00:00	1	0.97	-24	1.3	2	11	-99	417	97	8	72	1.31	18600	-99
1976.12.22	15:00:00	1	0.98	-25	3.1	2	20	-99	486	91	11.2	50	-99	41800	-99
1976.12.24	23:00:00	2	0.94	2	2.2	4	37	-99	443	98	7.1	38	-99	36900	-99
1976.12.26	5:00:00	1	0.99	-26	1.3	4	0	-99	384	97	7.3	94	1.14	13100	-99
1976.12.28	16:00:00	2	0.96	1	3.9	4	19	3	489	100	10.1	10	-99	13900	-99
1976.12.28	20:00:00	1	0.99	-27	2.2	4	10	-99	416	95	14.6	65	-99	22800	-99
1976.12.29	14:00:00	1	1	-27	2.6	4	16	-99	512	95	9.9	35	-99	44000	-99
1976.12.30	22:00:00	2	0.97	0	2.6	4	34	-99	590	96	11.9	81	2.77	52400	-99
1977.01.01	21:00:00	1	1	-28	1.3	3	0	-99	336	100	9.3	68	-99	13600	-99
1977.01.02	1:00:00	2	0.98	0	2.6	4	5	-99	515	94	8.6	69	-99	15700	-99
1977.01.02	21:00:00	1	1	-28	5.3	4	16	-99	657	100	16.1	81	4.37	20500	-99
1977.01.04	18:00:00	1	1	-29	2.6	4	24	-99	565	97	10.1	81	2.35	69900	-99
1977.01.06	8:00:00	1	1	-30	2.6	4	15	-99	530	97	6.8	47	-99	17700	-99
1977.01.06	13:00:00	2	0.99	-2	2.3	3	12	-99	487	63	8.2	56	-99	52200	-99
1977.01.07	11:00:00	2	0.99	-2	1.9	4	13	8	470	97	7.8	67	-99	21600	0.9
1977.01.09	7:00:00	1	1	-31	1	4	8	8	490	85	11.5	58	-99	27200	0.9
1977.01.11	4:00:00	2	1	-3	1.6	4	9	-99	536	100	15.6	72	3.44	18100	-99
1977.01.11	21:00:00	1	1	-31	1.9	4	21	-99	519	97	11.9	62	-99	20900	-99
1977.01.14	1:00:00	2	1	-4	2.2	4	13	-99	580	98	11.3	85	2.7	26900	-99
1977.01.14	5:00:00	1	1	-32	0.6	3	11	-99	407	100	5.7	27	-99	14900	-99
1977.01.15	8:00:00	1	1	-33	1	4	5	-99	429	91	7	55	-99	18500	-99
1977.01.17	15:00:00	1	1	-33	1.6	4	49	-99	552	98	9.3	58	-99	40900	-99
1977.01.17	15:00:00	2	1	-5	1.3	3	0	-99	395	100	9.3	85	1.51	20900	-99
1977.01.21	15:00:00	1	0.99	-35	1.6	4	2	-99	440	97	7.4	62	-99	29500	-99
1977.01.22	18:00:00	2	1	-7	1.9	4	58	-99	413	94	11.5	80	1.95	17400	-99
1977.01.25	15:00:00	1	0.98	-36	1.9	4	25	-99	433	100	11.4	79	1.98	21300	-99
1977.01.26	1:00:00	2	1	-8	2.8	4	16	-99	411	98	8.6	75	1.46	13600	-99
1977.01.28	21:07:00	2	1	-9	11	5	31	3	514	98	15.1	86	3.2	17800	2.7

1977.01.29	1:03:00	1	0.96	-37	10	4	16	3	506	100	28.8	100	5.65	21300	2.7
1977.01.30	9:00:00	1	0.95	-37	4.8	4	7	-99	479	100	10.7	64	-99	26000	1.4
1977.01.31	8:00:00	2	0.98	-10	1.7	4	1	-99	445	92	12.1	92	2.16	37800	-99
1977.02.03	12:00:00	1	0.94	-38	3.5	3	38	-99	502	93	14.9	40	-99	13000	-99
1977.02.04	9:00:00	1	0.93	-38	2.9	4	22	7	502	100	14.9	62	-99	17700	1.3
1977.02.05	7:00:00	2	0.97	-11	1.9	4	5	4	429	100	18.2	73	3.08	17000	-99
1977.02.05	20:00:00	2	0.97	-11	4.8	4	16	8	644	100	18.2	38	-99	54700	1.3
1977.02.06	7:00:00	1	0.92	-39	1.6	3	3	-99	528	100	10.7	83	2.05	41500	-99
1977.02.07	17:00:00	2	0.97	-12	2	4	19	-99	629	100	9.8	49	-99	77400	-99
1977.02.12	2:00:00	1	0.89	-40	1.9	4	0	-99	425	93	9.9	30	-99	14900	-99
1977.02.14	3:00:00	1	0.88	-40	3.7	4	10	-99	357	93	13.9	40	-99	11900	-99
1977.02.14	18:00:00	1	0.88	-40	1.9	4	8	-99	361	100	9.7	40	-99	34300	-99
1977.02.14	20:00:00	2	0.94	-14	3.7	2	30	-99	358	98	12.8	80	1.72	19100	-99
1977.02.15	9:00:00	1	0.87	-40	2.9	4	26	-99	429	98	10.3	95	1.48	21800	1.4
1977.02.15	12:00:00	2	0.94	-14	1.6	4	14	-99	358	96	12.8	68	-99	21800	1.4
1977.02.16	18:00:00	1	0.87	-40	1.3	4	30	-99	399	98	7.9	85	1.05	18600	-99
1977.02.16	19:00:00	2	0.93	-14	5.3	4	44	-99	432	98	11	91	1.75	19300	-99
1977.02.19	21:00:00	1	0.85	-40	2.6	4	29	-99	513	94	13.6	64	-99	15600	-99
1977.02.22	5:00:00	2	0.9	-16	2.3	4	11	-99	632	98	11.4	55	-99	50800	-99
1977.02.25	16:00:00	1	0.8	-40	1	3	12	-99	402	100	10.8	95	1.27	50500	-99
1977.02.25	22:00:00	2	0.88	-16	2.2	4	15	-99	429	96	10.8	67	-99	32500	-99
1977.02.26	14:00:00	1	0.79	-40	1.3	4	21	-99	430	100	10.1	92	1.26	14700	-99
1977.02.26	22:00:00	2	0.87	-16	1.9	4	13	-99	434	100	10.8	89	1.57	35500	-99
1977.02.28	4:00:00	2	0.86	-16	1.3	4	1	-99	434	100	8.5	90	1.21	29800	-99
1977.03.01	11:00:00	1	0.77	-40	2.3	4	10	-99	346	100	8.2	100	0.79	15800	-99
1977.03.02	7:00:00	1	0.76	-40	2	4	10	-99	398	89	8.4	63	-99	57900	-99
1977.03.02	16:00:00	2	0.85	-16	3.5	4	21	-99	368	97	7.1	36	-99	15700	-99
1977.03.03	2:00:00	1	0.75	-39	5.7	4	26	-99	492	81	24.1	71	3.17	32200	-99
1977.03.04	2:00:00	2	0.83	-17	1.3	4	9	-99	432	100	10.6	100	1.43	12600	-99
1977.03.05	20:00:00	2	0.82	-17	1.4	4	19	-99	642	73	17.6	73	3.45	27900	-99
1977.03.05	21:00:00	1	0.73	-39	0.7	3	4	-99	597	100	12.2	68	-99	163000	-99
1977.03.10	19:00:00	2	0.78	-16	2.6	4	7	-99	488	100	9.2	80	1.27	114000	-99
1977.03.11	21:00:00	1	0.67	-36	1.5	3	1	-99	404	97	13.4	97	1.22	41800	-99
1977.03.14	17:00:00	2	0.74	-16	2.2	3	3	-99	393	95	12.3	86	1.27	26700	-99
1977.03.15	9:00:00	1	0.62	-34	1.2	4	14	-99	321	100	13.6	86	0.88	16000	-99
1977.03.16	8:00:00	1	0.6	-33	7.1	4	9	2	389	100	31.5	95	2.34	28700	1.3
1977.03.16	19:47:00	2	0.72	-15	4.4	5	15	2	391	100	24	87	2.35	22100	1.3
1977.03.18	4:00:00	1	0.58	-31	3	4	19	-99	344	100	13.4	91	0.83	38100	-99
1977.03.19	7:55:00	1	0.56	-30	5.6	5	13	2	460	100	37	98	2.92	26000	-99
1977.03.19	10:00:00	2	0.68	-14	4.6	4	41	2	381	100	13.7	76	1.2	27400	-99
1977.03.20	22:00:00	2	0.67	-14	2.5	4	18	-99	412	100	16.2	86	1.5	27400	-99
1977.03.21	7:00:00	1	0.54	-27	2.2	4	17	-99	474	91	26.9	88	2.07	62300	-99
1977.03.22	20:00:00	1	0.53	-26	1.9	4	11	-99	415	100	20.7	75	1.36	51600	-99
1977.03.24	4:00:00	2	0.63	-11	2	4	4	3	481	98	25.2	83	2.49	20200	-99
1977.03.25	12:00:00	1	0.49	-21	2.6	2	19	-99	462	89	20.8	53	-99	19500	-99

1977.03.25	14:00:00	2	0.61	-11	1.3	4	13	-99	475	95	16.5	93	1.53	30700	-99
1977.03.27	13:00:00	2	0.59	-9	1.9	3	3	-99	445	100	26.4	97	2.18	70300	-99
1977.03.30	16:00:00	1	0.42	-9	2.2	4	23	-99	479	100	28.4	80	1.51	111000	0.9
1977.03.31	9:00:00	2	0.54	-5	2.2	4	20	-99	493	100	19.2	100	1.54	40100	0.9
1977.03.31	18:00:00	1	0.41	-6	2.3	4	21	-99	477	100	26.2	44	-99	111000	1
1977.04.01	19:00:00	2	0.52	-3	2	4	13	-99	617	100	19.9	100	1.89	166000	1
1977.04.03	19:00:00	2	0.5	0	1.3	2	2	-99	675	36	22.4	27	-99	169000	-99
1977.04.04	2:00:00	1	0.36	8	2.3	4	13	-99	708	100	37.4	100	2.33	283000	-99
1977.04.04	22:00:00	1	0.36	8	7	4	12	-99	739	100	60.6	94	3.94	40800	-99
1977.04.05	2:00:00	2	0.47	3	4.1	4	18	-99	705	100	50.1	93	4.66	37600	-99
1977.04.05	17:00:00	1	0.35	12	2.4	4	37	-99	739	100	44.3	98	2.76	185000	-99
1977.04.12	17:00:00	1	0.31	50	1.9	4	11	-99	406	100	61.2	98	1.74	41800	-99
1977.04.17	10:00:00	2	0.32	46	4.4	4	17	3	412	0	-99	0	-99	49500	-99
1977.04.19	7:00:00	2	0.3	58	1.6	4	14	-99	428	100	50	78	1.43	226000	-99
1977.04.21	4:00:00	1	0.35	99	2.8	4	27	-99	404	94	30.9	30	-99	79000	-99
1977.04.23	0:00:00	2	0.28	85	2.2	4	20	-99	497	100	59.8	98	1.79	123000	-99
1977.04.24	9:00:00	2	0.28	91	3.2	4	29	-99	622	100	55.3	98	2.07	194000	-99
1977.04.24	21:00:00	1	0.38	111	3.4	4	27	-99	473	91	34.5	91	1.56	99500	-99
1977.04.26	0:00:00	2	0.29	104	1.6	3	0	-99	410	100	46.4	93	1.21	47000	-99
1977.04.27	7:00:00	1	0.42	120	1.3	4	11	-99	432	97	47.8	94	2.29	51700	-99
1977.04.30	9:00:00	2	0.33	127	1.6	4	15	-99	359	100	28.2	35	-99	73500	-99
1977.05.01	10:00:00	1	0.47	129	1.5	4	11	-99	383	100	16.7	95	0.84	65100	-99
1977.05.01	19:00:00	2	0.34	131	1.3	2	10	-99	610	100	39.4	93	1.94	87100	-99
1977.05.02	6:00:00	1	0.49	131	2.5	4	27	-99	632	94	22.6	62	-99	71100	-99
1977.05.05	3:00:00	1	0.52	136	1.9	4	6	-99	660	94	17.8	50	-99	118000	-99
1977.05.06	3:00:00	2	0.4	149	1.9	4	11	-99	606	65	27.8	52	-99	47400	-99
1977.05.07	22:00:00	2	0.42	152	1.9	2	16	-99	409	76	33.9	57	-99	47400	-99
1977.05.08	20:00:00	1	0.56	139	0.9	4	10	-99	436	100	18	97	1.34	54500	-99
1977.05.14	14:00:00	1	0.63	145	1.8	4	16	-99	419	91	12.5	91	1.07	23500	-99
1977.05.14	21:00:00	2	0.52	166	2.8	4	10	-99	376	89	14.6	44	-99	21100	-99
1977.05.16	5:00:00	2	0.54	168	3.4	2	22	-99	343	52	14.9	13	-99	28900	-99
1977.05.17	3:00:00	1	0.67	146	1.6	4	20	-99	560	90	20.3	79	2.56	79000	-99
1977.05.18	13:00:00	2	0.57	171	2.2	2	32	-99	502	33	12.1	14	-99	21200	-99
1977.05.20	9:00:00	1	0.7	148	0.9	4	14	-99	462	83	13.9	80	1.55	55400	-99
1977.05.22	23:00:00	1	0.72	148	2.1	4	12	-99	440	100	11.2	47	-99	26700	-99
1977.05.23	19:00:00	1	0.73	149	2.1	4	16	-99	440	100	11.5	58	-99	21600	-99
1977.05.26	8:00:00	1	0.75	150	2.5	3	20	-99	591	78	20.6	75	3.25	26800	-99
1977.05.27	6:00:00	2	0.67	177	1.9	2	23	-99	572	11	17.4	5	-99	119000	-99
1977.05.30	21:00:00	1	0.79	150	1.8	4	19	-99	571	100	16.4	97	2.71	32600	-99
1977.06.03	13:00:00	1	0.82	150	1.6	4	11	-99	516	92	10.4	53	-99	107000	-99
1977.06.08	7:55:00	1	0.84	150	6.2	5	16	3	466	100	-99	0	-99	13500	-99
1977.06.09	13:00:00	1	0.85	150	3.7	4	11	-99	418	100	9.8	11	-99	22900	-99
1977.06.10	6:00:00	1	0.86	150	1.9	4	10	-99	425	100	7	42	-99	24400	-99
1977.06.11	21:00:00	1	0.86	150	1.3	4	3	-99	425	100	13.2	44	-99	40000	-99
1977.06.12	10:00:00	1	0.87	150	3.5	4	17	-99	528	100	13.4	48	-99	40000	-99

1977.06.14	19:00:00	1	0.88	150	4.3	4	33	-99	380	100	14.7	76	1.9	16400	-99
1977.06.17	14:00:00	1	0.89	149	1.9	4	3	-99	456	100	12.2	54	-99	23600	-99
1977.06.19	14:00:00	1	0.9	149	3.7	4	8	-99	577	77	15.8	75	3.2	15500	-99
1977.06.21	5:00:00	1	0.91	149	2.2	3	11	-99	428	72	12.6	70	-99	26900	-99
1977.06.24	5:00:00	1	0.92	148	3.1	4	4	-99	577	89	15.8	85	3.31	38900	-99
1977.06.27	8:00:00	1	0.93	148	0.6	4	6	-99	382	100	6.5	56	-99	19400	-99
1977.06.28	0:00:00	1	0.94	147	4.7	4	51	-99	623	100	10.9	48	-99	38100	-99
1977.07.02	2:00:00	1	0.95	146	2.9	4	5	-99	490	100	9.7	39	-99	48900	-99
1977.07.03	20:00:00	1	0.95	146	2	4	7	-99	561	97	7.3	47	-99	58900	-99
1977.07.03	20:00:00	2	0.93	177	1.6	2	8	-99	508	60	13.3	55	-99	63300	-99
1977.07.04	16:00:00	2	0.93	177	2.3	2	19	-99	494	47	10.9	40	-99	41100	-99
1977.07.11	13:00:00	1	0.96	144	2.2	3	34	-99	531	75	9.2	23	-99	12100	-99
1977.07.14	15:00:00	1	0.96	144	5.8	4	19	-99	467	91	9.1	41	-99	26900	-99
1977.07.14	18:00:00	2	0.95	175	1.6	2	22	-99	549	14	9.6	4	-99	76100	-99
1977.07.16	17:00:00	1	0.96	143	2	4	8	-99	401	100	14.4	58	-99	19200	-99
1977.07.17	0:00:00	2	0.96	174	2.7	1	65	-99	589	8	8	3	-99	31500	-99
1977.07.17	11:00:00	1	0.96	143	4.9	4	12	-99	512	100	11.9	50	-99	9860	-99
1977.07.18	18:00:00	1	0.96	142	1.7	3	13	-99	583	72	16.4	28	-99	46900	-99
1977.07.20	22:00:00	1	0.96	142	1.7	2	9	-99	769	72	13	36	-99	92600	-99
1977.07.25	9:00:00	1	0.96	141	2.2	5	15	-99	508	97	9.6	92	1.89	29300	-99
1977.07.26	14:00:00	1	0.96	140	3.2	4	19	-99	562	100	9.8	97	2.13	54400	-99
1977.07.27	21:00:00	1	0.96	140	2.3	4	5	-99	492	100	7.8	100	1.48	67900	-99
1977.07.30	0:00:00	1	0.96	140	1.7	4	11	-99	417	96	8.1	96	1.31	35400	-99
1977.07.30	18:00:00	2	0.97	170	2.9	1	22	-99	433	10	9	10	-99	18200	-99
1977.07.31	0:00:00	1	0.96	139	3	3	27	-99	452	69	8.1	64	-99	29200	-99
1977.08.02	20:00:00	1	0.95	139	1.7	4	0	-99	390	61	8.9	28	-99	17300	-99
1977.08.04	6:00:00	1	0.95	138	1	3	2	-99	418	92	12.7	92	2.03	21500	-99
1977.08.04	18:00:00	2	0.96	169	2.7	1	29	-99	348	12	5	12	-99	15400	-99
1977.08.05	0:00:00	1	0.95	138	1	4	4	-99	418	92	13.5	86	2.15	11900	-99
1977.08.07	3:00:00	1	0.94	138	2.6	4	20	-99	595	97	12.9	94	2.88	30300	-99
1977.08.07	10:00:00	2	0.96	168	2.7	2	9	-99	418	87	7.9	20	-99	57500	-99
1977.08.09	14:00:00	2	0.95	168	2	2	28	-99	560	90	9.7	12	-99	68900	-99
1977.08.13	9:00:00	2	0.94	167	1.7	2	13	-99	350	77	6.5	23	-99	13700	-99
1977.08.13	23:00:00	1	0.91	137	2.6	4	28	-99	624	67	17.7	31	-99	16300	-99
1977.08.15	3:00:00	2	0.93	166	1.3	3	5	-99	388	90	11.5	35	-99	13700	-99
1977.08.15	10:00:00	1	0.91	136	1.4	4	2	-99	721	81	16.1	64	-99	188000	-99
1977.08.16	3:00:00	2	0.93	166	2.7	4	54	-99	764	96	23.7	13	-99	35200	-99
1977.08.19	19:00:00	2	0.92	166	3.4	4	8	-99	730	75	9.9	15	-99	58400	-99
1977.08.24	3:00:00	1	0.86	135	2.2	4	45	-99	350	96	10.5	95	1.21	12700	-99
1977.08.27	9:00:00	2	0.88	164	0.6	3	6	-99	358	43	4.9	10	-99	11500	-99
1977.08.27	11:00:00	1	0.84	135	4.4	4	13	-99	282	100	5.8	100	0.51	10000	-99
1977.08.28	6:50:00	1	0.83	135	7.9	4	14	3	371	95	29.5	92	3.41	12100	-99
1977.08.28	16:00:00	2	0.87	164	12.5	2	23	-99	396	29	12.9	5	-99	38100	-99
1977.08.29	22:00:00	1	0.82	135	1.3	4	11	-99	519	86	18.2	78	2.89	56100	-99
1977.08.31	8:00:00	2	0.85	164	2.7	4	9	-99	500	88	21.5	37	-99	33300	-99

1977.09.02	15:00:00	1	0.79	135	2.6	4	7	-99	659	89	20.6	45	-99	82200	-99
1977.09.03	9:00:00	2	0.83	164	3	4	16	-99	469	64	11.6	25	-99	52700	-99
1977.09.10	3:00:00	1	0.72	137	29.9	2	33	-99	585	92	27.1	42	-99	19200	-99
1977.09.10	3:00:00	2	0.78	164	20	2	16	-99	415	83	10.9	22	-99	22400	-99
1977.09.11	17:00:00	1	0.71	137	1.7	1	6	-99	726	33	23.4	28	-99	162000	-99
1977.09.13	1:00:00	2	0.75	164	5	4	30	-99	715	70	21.1	30	-99	44900	-99
1977.09.14	18:00:00	1	0.68	138	1.7	2	25	-99	779	55	18.6	41	-99	78900	-99
1977.09.16	1:00:00	2	0.72	165	2.4	4	8	-99	780	80	21.5	32	-99	140000	-99
1977.09.20	18:00:00	1	0.63	142	67	1	25	-99	527	92	27.3	85	2.95	60100	-99
1977.09.23	2:00:00	1	0.59	144	6.9	3	10	-99	378	100	14.4	45	-99	31000	-99
1977.09.29	0:00:00	1	0.51	152	10.4	2	12	-99	437	62	21.6	62	-99	46600	-99
1977.09.29	19:00:00	1	0.51	152	7.3	4	40	-99	701	85	19	75	1.99	57200	-99
1977.10.04	16:00:00	1	0.45	162	2.4	4	19	-99	348	95	27.1	88	1.17	24600	-99
1977.10.09	4:00:00	1	0.39	176	3.4	3	89	-99	620	24	33.6	10	-99	24200	-99
1977.10.10	20:00:00	2	0.44	-171	2.4	2	11	-99	396	80	32.9	38	-99	13400	-99
1977.10.12	10:00:00	2	0.41	-166	4.5	2	18	-99	603	51	37.8	20	-99	39100	-99
1977.10.14	10:00:00	1	0.34	-163	1	3	20	-99	688	63	39.3	60	-99	215000	-99
1977.10.15	8:00:00	2	0.37	-156	1.8	4	14	-99	698	88	29.6	47	-99	256000	-99
1977.10.15	23:00:00	1	0.32	-152	2.4	4	15	-99	796	98	41.5	90	2.43	182000	-99
1977.10.16	13:00:00	2	0.36	-152	2.5	4	9	-99	776	61	32.9	30	-99	166000	-99
1977.10.17	13:00:00	1	0.32	-146	1.7	4	19	-99	718	88	40.1	58	-99	198000	-99
1977.10.21	1:00:00	1	0.31	-122	3	3	9	-99	603	92	42.7	68	-99	114000	-99
1977.10.24	11:00:00	1	0.33	-105	2.9	4	2	-99	369	95	38.7	82	1.1	40900	-99
1977.10.25	3:00:00	2	0.3	-101	1.9	4	3	-99	388	100	44.5	50	-99	53000	-99
1977.10.27	2:00:00	1	0.36	-90	1.6	4	16	-99	328	92	35.3	82	1.02	36100	-99
1977.10.29	3:00:00	2	0.31	-75	1.9	3	6	-99	304	100	36.6	62	-99	24600	-99
1977.11.01	3:00:00	1	0.41	-70	1.2	4	32	-99	257	100	25.4	85	0.7	19400	-99
1977.11.02	8:00:00	2	0.35	-53	1.6	4	39	-99	286	100	26.4	28	-99	43000	-99
1977.11.03	0:00:00	1	0.44	-65	1.5	4	33	-99	291	100	23.1	78	0.8	20500	-99
1977.11.05	8:00:00	1	0.46	-60	0.9	3	13	-99	406	100	25.2	60	-99	45700	-99
1977.11.06	8:00:00	1	0.48	-58	1.2	4	24	-99	406	87	23.2	43	-99	172000	-99
1977.11.07	17:00:00	1	0.49	-56	3.1	4	13	-99	437	100	38	100	2.33	165000	-99
1977.11.07	18:00:00	2	0.41	-34	3.1	4	13	-99	487	100	51.6	89	2.69	103000	-99
1977.11.08	7:00:00	1	0.5	-54	6.1	4	33	-99	666	97	28.8	57	-99	116000	-99
1977.11.08	10:00:00	2	0.43	-30	2.6	4	10	-99	524	100	34	61	-99	102000	-99
1977.11.10	21:00:00	1	0.53	-50	2.6	4	0	-99	636	100	15.1	63	-99	116000	-99
1977.11.10	22:00:00	2	0.45	-25	3.6	4	41	-99	800	100	24.5	81	2.42	21000	-99
1977.11.16	22:00:00	2	0.54	-14	1.6	4	32	-99	398	100	21.6	71	1.4	22400	-99
1977.11.17	7:00:00	1	0.62	-42	1.6	4	1	-99	342	100	16	96	1.1	14600	-99
1977.11.20	15:00:00	1	0.65	-40	2.5	-1	30	3	304	100	20.4	97	1.33	22900	-99
1977.11.20	20:00:00	2	0.59	-10	1.6	4	16	-99	339	97	15	34	-99	17000	-99
1977.11.22	5:00:00	1	0.66	-40	-1	1	27	6	387	100	20.4	85	1.74	27400	-99
1977.11.25	1:00:00	2	0.65	-6	21	2	37	6	498	100	35.9	62	-99	34200	2.1
1977.11.25	16:00:00	1	0.7	-38	4.7	4	25	-99	472	100	22.8	94	2.59	18900	-99
1977.11.28	23:00:00	1	0.73	-37	2.9	4	20	-99	465	96	12.5	83	1.49	15900	-99

1977.12.01	1:29:00	2	0.72	-3	2.4	4	5	3	523	73	25.5	27	-99	17000	-99
1977.12.01	5:00:00	1	0.76	-36	6.4	4	28	3	443	100	28.1	96	3.39	15500	-99
1977.12.03	0:00:00	2	0.74	-3	1.3	4	1	-99	398	68	12.2	50	-99	11800	-99
1977.12.03	21:00:00	2	0.74	-3	1	3	0	-99	438	100	10.1	100	1.16	46700	-99
1977.12.04	2:00:00	1	0.79	-36	1.6	3	3	-99	456	91	11.9	91	1.57	51900	-99
1977.12.05	21:00:00	2	0.76	-2	2.6	4	11	-99	376	100	8.3	35	-99	37900	-99
1977.12.07	1:00:00	1	0.81	-35	1.6	4	10	-99	428	100	15.4	40	-99	27600	-99
1977.12.08	0:00:00	1	0.83	-35	1.9	4	12	-99	523	96	15.4	38	-99	80300	-99
1977.12.09	1:00:00	1	0.84	-35	1.6	3	32	-99	591	100	10.2	69	-99	100000	-99
1977.12.09	13:00:00	2	0.8	-2	5.4	4	91	-99	559	92	23.3	58	-99	15100	-99
1977.12.11	21:00:00	1	0.85	-35	1.6	3	27	-99	410	85	8.4	41	-99	15900	-99
1977.12.14	21:00:00	1	0.87	-36	1.6	4	27	-99	315	94	9.7	68	-99	8240	-99
1977.12.15	15:00:00	2	0.85	-2	3.8	3	16	-99	375	86	13.5	58	-99	13300	-99
1977.12.16	18:00:00	2	0.86	-2	2.2	4	11	-99	375	100	13	44	-99	13700	-99
1977.12.16	20:00:00	1	0.89	-36	2.6	4	12	-99	338	97	12.8	88	1.5	20800	-99
1977.12.18	12:00:00	1	0.9	-36	1.3	4	19	-99	372	94	10.1	94	1.32	23700	-99
1977.12.19	11:00:00	2	0.88	-2	2.3	4	6	-99	319	100	5.9	23	-99	11900	-99
1977.12.21	4:00:00	1	0.92	-37	1.3	4	10	-99	389	100	8.4	96	1.19	57100	-99
1977.12.22	9:00:00	1	0.92	-37	3.2	4	21	-99	374	100	11	62	-99	38100	-99
1977.12.23	2:00:00	2	0.9	-3	1.3	4	7	-99	349	100	-99	0	-99	20200	-99
1977.12.23	17:00:00	2	0.9	-3	1.6	4	4	-99	395	100	5.7	27	-99	12700	-99
1977.12.23	19:00:00	1	0.93	-37	1.3	4	11	-99	404	97	5.1	18	-99	23500	-99
1977.12.25	10:00:00	2	0.92	-3	2	4	10	-99	497	97	10.6	24	-99	49900	-99
1977.12.27	10:00:00	1	0.95	-38	2.9	3	0	-99	414	100	8.6	85	1.35	26600	-99
1977.12.31	2:00:00	1	0.96	-39	9.2	4	23	-99	467	59	15.7	56	-99	19300	-99
1977.12.31	2:00:00	2	0.95	-5	2.7	4	24	-99	417	65	8	35	-99	32400	-99
1978.01.03	8:39:00	1	0.97	-40	45.6	2	8	1	953	100	-99	0	-99	92900	-99
1978.01.03	14:50:00	2	0.96	-6	50	2	21	1	689	100	21.4	79	5.73	16600	-99
1978.01.05	10:00:00	2	0.97	-6	3.3	4	18	1	615	100	13.9	92	3.36	17200	1.1
1978.01.06	20:00:00	1	0.98	-40	2.6	3	4	-99	529	72	-99	0	-99	54900	-99
1978.01.15	21:00:00	2	0.98	-17	4.2	4	22	-99	328	85	10.8	31	-99	10400	2.3
1978.01.16	22:00:00	2	0.98	-17	2.3	4	8	3	338	74	-99	0	-99	20100	-99
1978.01.28	21:00:00	2	0.98	-17	5.6	4	16	-99	572	100	-99	0	-99	36700	-99
1978.01.30	1:00:00	2	0.98	-17	6.7	4	11	3	628	100	-99	0	-99	40900	3.1
1978.02.06	7:02:00	2	0.98	-17	5	4	16	3	444	96	-99	0	-99	7830	1.3
1978.02.11	17:00:00	1	0.97	-52	4	4	27	-99	403	97	-99	0	-99	10600	-99
1978.02.15	2:00:00	2	0.96	-19	90.5	2	27	1	576	100	-99	0	-99	33500	20.9
1978.02.16	12:00:00	2	0.96	-19	11.8	3	18	-99	463	100	8.1	12	-99	24700	-99
1978.02.18	17:00:00	1	0.94	-53	1.4	3	3	-99	657	100	-99	0	-99	30700	-99
1978.02.20	4:00:00	2	0.94	-20	6.4	4	41	-99	592	100	9.7	64	-99	18900	-99
1978.02.21	14:00:00	1	0.93	-54	5.2	4	88	-99	588	93	7.2	12	-99	56100	-99
1978.02.23	12:00:00	2	0.93	-21	2.8	4	35	-99	633	100	12.6	68	-99	31400	-99
1978.02.24	19:00:00	1	0.91	-54	1.4	4	11	-99	588	76	6.9	28	-99	79000	-99
1978.02.25	5:00:00	2	0.92	-21	5.4	4	18	3	719	94	11.6	73	3.04	21300	-99
1978.02.28	9:00:00	1	0.89	-55	2.1	4	18	-99	441	100	-99	0	-99	29700	-99

1978.03.01	4:14:00	2	0.9	-22	3.7	4	13	1	634	85	12.2	80	2.72	16500	-99
1978.03.01	12:15:00	1	0.88	-55	12.3	5	14	1	515	100	-99	0	-99	12000	-99
1978.03.03	3:00:00	1	0.87	-55	4.6	4	9	-99	415	98	9.3	18	-99	18600	-99
1978.03.03	11:00:00	2	0.89	-22	2.2	4	9	-99	425	100	7.9	47	-99	23000	-99
1978.03.04	23:00:00	1	0.86	-56	1.5	4	5	-99	387	84	12	60	-99	20500	-99
1978.03.06	4:00:00	1	0.85	-56	2.6	3	5	-99	400	100	-99	0	-99	77000	-99
1978.03.07	23:54:00	2	0.86	-23	34.8	4	26	1	685	99	15.3	85	3.44	21200	6.4
1978.03.08	6:00:00	1	0.84	-56	7.9	4	21	-99	426	98	21.3	52	-99	44800	-99
1978.03.09	21:00:00	1	0.83	-56	7.8	4	10	-99	451	100	-99	0	-99	15000	-99
1978.03.11	8:00:00	1	0.81	-56	2.3	4	1	-99	578	100	11.8	41	-99	94100	-99
1978.03.13	8:00:00	2	0.81	-23	1.5	4	0	-99	568	100	15.3	83	2.61	80200	-99
1978.03.17	0:00:00	1	0.75	-55	4.6	4	16	-99	348	97	13.9	41	-99	21300	-99
1978.03.18	0:00:00	1	0.74	-55	1.8	4	6	-99	346	100	-99	0	-99	24100	-99
1978.03.18	14:00:00	1	0.74	-55	1.5	4	8	-99	426	97	-99	0	-99	43400	-99
1978.03.18	23:00:00	2	0.76	-23	3.9	4	32	-99	384	100	20.4	68	-99	17100	-99
1978.03.20	4:00:00	1	0.72	-54	0.7	4	11	-99	543	100	16.6	45	-99	38200	-99
1978.03.20	11:00:00	2	0.74	-22	2.2	4	21	-99	415	98	12.1	30	-99	33800	-99
1978.03.20	23:00:00	1	0.72	-54	3	4	25	-99	723	98	19.7	52	-99	124000	-99
1978.03.24	2:00:00	2	0.7	-21	3.8	4	22	-99	769	100	31.7	100	5.87	57200	-99
1978.04.01	5:30:00	1	0.59	-47	10	4	19	3	739	88	-99	0	-99	14100	-99
1978.04.01	6:00:00	2	0.61	-17	12.8	4	22	3	570	86	28.9	75	3.21	70200	-99
1978.04.02	19:00:00	2	0.6	-16	1.5	4	10	-99	640	100	20	74	2.44	137000	-99
1978.04.03	18:00:00	1	0.57	-45	6.3	4	7	-99	562	97	-99	0	-99	102000	-99
1978.04.12	13:00:00	2	0.47	-2	15.8	2	14	3	611	100	29	40	-99	40400	-99
1978.04.12	21:00:00	1	0.45	-30	7.2	2	6	-99	386	100	27.7	33	-99	56400	-99
1978.04.13	7:00:00	1	0.44	-28	7.6	4	14	-99	392	100	36.3	42	-99	31600	-99
1978.04.14	22:00:00	1	0.43	-25	2.3	4	21	-99	443	100	30.6	38	-99	174000	-99
1978.04.15	16:00:00	2	0.43	4	2.7	4	8	-99	379	100	36.5	25	-99	54900	-99
1978.04.16	1:00:00	1	0.4	-19	2.7	4	5	-99	601	100	43	100	2.67	95700	-99
1978.04.16	6:00:00	2	0.41	7	5.1	4	6	3	471	100	43	29	-99	19900	-99
1978.04.16	15:00:00	1	0.4	-19	6	4	10	-99	479	93	38.3	50	-99	78800	-99
1978.04.18	12:00:00	2	0.38	14	8.1	4	18	-99	809	100	71	85	5.48	115000	-99
1978.04.21	21:00:00	1	0.34	0	24.4	2	7	-99	681	83	43.1	67	-99	187000	-99
1978.04.22	0:00:00	2	0.33	30	4.9	3	8	-99	424	100	34	100	1.11	105000	-99
1978.04.24	6:00:00	2	0.31	41	50	3	9	1	597	100	85.6	100	3.59	37400	-99
1978.04.29	2:00:00	1	0.3	45	96.3	1	0	-99	493	90	69.4	90	2.29	110000	-99
1978.05.02	6:00:00	1	0.31	63	68.9	2	17	-99	509	100	66.2	60	-99	143000	-99
1978.05.04	6:00:00	2	0.31	111	21.2	2	19	-99	433	96	73.9	54	-99	26400	-99
1978.05.04	22:00:00	2	0.31	111	16.7	3	11	-99	488	100	73.9	57	-99	43400	-99
1978.05.06	6:00:00	2	0.32	116	20.5	2	14	-99	435	71	37.8	32	-99	90800	-99
1978.05.07	17:00:00	2	0.33	121	5.1	3	25	-99	513	100	62.3	68	-99	97900	-99
1978.05.10	9:00:00	1	0.39	98	21.6	2	15	-99	519	94	57.8	94	2.98	67700	-99
1978.05.10	17:00:00	2	0.37	134	4.1	2	4	-99	410	100	37	67	-99	99300	-99
1978.05.11	17:00:00	2	0.38	137	16.4	2	16	-99	470	100	37.2	22	-99	93200	-99
1978.05.12	0:00:00	1	0.42	104	49.9	2	12	3	863	100	34.6	44	-99	56700	-99

1978.05.12	10:00:00	2	0.39	141	5.6	2	15	-99	434	100	38	56	-99	77700	-99
1978.05.14	4:00:00	1	0.44	109	8.8	3	6	-99	614	93	48.5	83	3.55	39000	-99
1978.05.14	11:00:00	2	0.42	146	1.8	4	18	-99	419	89	-99	0	-99	73300	-99
1978.05.15	14:00:00	1	0.45	112	1.4	4	4	-99	543	80	43.4	80	2.91	61700	-99
1978.05.16	8:00:00	2	0.45	151	2.8	4	16	-99	386	100	-99	0	-99	34300	-99
1978.05.19	7:00:00	1	0.51	119	6.3	4	7	-99	392	50	-99	0	-99	15100	-99
1978.05.20	18:00:00	1	0.52	120	2.9	4	6	-99	327	100	18.7	36	-99	30600	-99
1978.05.21	2:00:00	2	0.52	160	0.9	4	2	-99	356	100	18.6	44	-99	59900	-99
1978.05.21	20:00:00	1	0.53	122	1.2	3	8	-99	526	97	25.7	69	-99	133000	-99
1978.05.25	14:00:00	1	0.58	126	1.2	4	5	-99	499	84	13	66	-99	16700	-99
1978.05.26	6:00:00	2	0.58	165	2	4	2	-99	513	71	-99	0	-99	166000	-99
1978.05.28	19:00:00	1	0.62	129	0.8	4	7	-99	329	91	17.9	76	1.18	22000	-99
1978.05.31	6:00:00	1	0.65	131	1.1	4	1	-99	402	94	20.9	69	-99	58300	-99
1978.06.02	6:00:00	1	0.67	132	1.9	4	4	-99	410	74	26.5	46	-99	56700	-99
1978.06.02	7:00:00	2	0.67	170	6.5	4	11	-99	483	69	23.9	26	-99	26800	-99
1978.06.04	11:00:00	1	0.69	133	6.5	4	26	-99	332	82	17.6	54	-99	19300	-99
1978.06.05	17:00:00	1	0.7	134	2.7	4	20	-99	351	86	14.4	64	-99	11900	-99
1978.06.08	8:00:00	1	0.72	134	3.5	4	19	-99	453	64	22.2	57	-99	69700	-99
1978.06.10	8:00:00	1	0.74	135	1.6	4	2	-99	422	83	15.8	83	1.75	52100	-99
1978.06.13	2:00:00	1	0.77	135	7.2	4	8	3	529	93	35.2	93	5.17	54600	-99
1978.06.13	2:00:00	2	0.76	173	4.1	2	34	-99	442	25	10.4	10	-99	29800	-99
1978.06.13	17:00:00	1	0.77	135	7.7	4	4	-99	561	78	24.1	72	3.76	38300	-99
1978.06.18	14:00:00	1	0.81	136	3.6	3	4	-99	448	90	21.5	88	2.89	5670	-99
1978.06.18	15:00:00	2	0.8	174	2.5	3	12	-99	418	21	16	15	-99	11300	-99
1978.06.20	11:00:00	1	0.82	136	1.2	4	9	-99	441	100	15.2	50	-99	83900	-99
1978.06.22	9:00:00	1	0.83	136	1.6	4	28	-99	500	83	8	65	-99	43100	-99
1978.06.26	9:00:00	2	0.86	173	1.6	1	13	-99	404	23	10.7	19	-99	26000	-99
1978.06.27	6:00:00	1	0.86	136	5.5	4	15	-99	394	81	13	35	-99	12900	-99
1978.06.27	9:00:00	2	0.86	173	4.8	2	52	-99	366	12	10.7	9	-99	30900	-99
1978.06.29	17:00:00	1	0.88	135	1.6	4	13	-99	403	97	-99	0	-99	16900	-99
1978.07.01	3:00:00	1	0.89	135	2.3	4	14	-99	457	96	-99	0	-99	42000	-99
1978.07.02	2:00:00	1	0.89	135	4	4	27	-99	524	86	-99	0	-99	80900	-99
1978.07.02	9:00:00	2	0.89	173	8.4	2	45	-99	518	52	13.9	33	-99	48500	-99
1978.07.03	20:00:00	1	0.9	135	2	4	13	-99	456	85	-99	0	-99	25100	-99
1978.07.08	10:20:00	1	0.92	134	6	4	10	3	492	71	-99	0	-99	14200	-99
1978.07.12	18:00:00	1	0.93	133	4.2	3	19	-99	355	80	-99	0	-99	8660	-99
1978.07.13	14:00:00	2	0.94	170	1.6	2	22	-99	444	43	7	2	-99	13000	-99
1978.07.15	14:00:00	2	0.95	170	2.7	2	35	-99	396	68	7	3	-99	13000	-99
1978.07.20	6:00:00	1	0.95	132	6.3	4	23	-99	497	83	-99	0	-99	19800	-99
1978.07.20	12:00:00	2	0.95	169	9.6	4	65	-99	501	69	-99	0	-99	41800	-99
1978.07.21	16:00:00	1	0.95	124	4.2	2	18	-99	511	46	-99	0	-99	20800	-99
1978.07.24	22:00:00	2	0.95	161	2.1	4	8	-99	624	75	-99	0	-99	34600	-99
1978.07.26	11:00:00	2	0.95	161	5	4	24	-99	477	100	-99	0	-99	41300	-99
1978.07.27	13:00:00	2	0.95	161	3.1	4	20	-99	496	86	-99	0	-99	37000	-99
1978.08.01	1:00:00	2	0.95	161	2.1	4	5	-99	516	95	-99	0	-99	80300	-99

1978.08.07	10:00:00	2	0.95	161	1.6	4	6	-99	382	85	-99	0	-99	27100	-99
1978.08.09	9:00:00	2	0.95	161	6	4	15	-99	466	87	-99	0	-99	35800	-99
1978.08.11	19:00:00	2	0.95	161	1.2	3	29	-99	399	82	-99	0	-99	18900	-99
1978.08.14	1:00:00	2	0.95	161	1.6	3	5	-99	368	96	-99	0	-99	11000	-99
1978.08.14	21:00:00	2	0.95	161	4.3	4	68	-99	686	83	-99	0	-99	14500	-99
1978.08.21	1:00:00	2	0.94	160	1.6	4	6	-99	582	71	-99	0	-99	19100	-99
1978.08.21	2:00:00	1	0.94	123	1.1	4	1	-99	444	80	-99	0	-99	11500	-99
1978.08.22	2:00:00	2	0.93	160	0.8	3	20	-99	669	92	11	46	-99	80500	-99
1978.08.23	6:00:00	1	0.94	123	1.5	4	8	-99	389	83	-99	0	-99	12000	-99
1978.08.23	19:00:00	1	0.94	123	2.3	4	5	-99	372	72	-99	0	-99	12000	-99
1978.08.27	6:00:00	2	0.91	159	1.5	3	4	-99	395	83	7.3	33	-99	8060	-99
1978.08.27	9:00:00	1	0.92	122	2.3	3	10	-99	513	85	-99	0	-99	42500	-99
1978.08.28	13:00:00	2	0.91	159	3	3	13	-99	452	100	-99	0	-99	24200	-99
1978.08.28	16:00:00	1	0.92	122	1.9	3	15	-99	530	83	-99	0	-99	43000	-99
1978.08.31	1:00:00	2	0.89	158	1.2	2	2	-99	566	93	11.4	26	-99	94600	-99
1978.08.31	9:00:00	1	0.9	122	0.8	3	8	-99	357	75	11.1	44	-99	40300	-99
1978.09.01	2:00:00	2	0.89	158	3.1	3	4	-99	506	91	7.5	33	-99	43500	-99
1978.09.02	10:00:00	1	0.89	121	1.1	3	0	-99	383	85	8.1	22	-99	26400	-99
1978.09.03	2:00:00	2	0.88	158	1.9	3	4	-99	442	95	7.4	70	-99	21700	-99
1978.09.04	22:00:00	2	0.87	158	0.8	3	0	-99	368	100	7	100	0.86	17900	-99
1978.09.07	19:00:00	1	0.86	121	5.4	4	22	-99	671	71	18.1	62	-99	202000	-99
1978.09.07	19:00:00	2	0.85	157	3.3	4	11	-99	297	74	7.2	33	-99	12400	-99
1978.09.08	15:00:00	1	0.86	121	1.5	3	10	-99	674	88	19.1	88	4.23	108000	-99
1978.09.09	19:00:00	2	0.83	157	7.9	4	59	-99	710	93	10.4	37	-99	36200	-99
1978.09.12	16:00:00	2	0.82	157	2.7	3	28	-99	630	73	10.5	38	-99	62700	-99
1978.09.12	23:22:00	1	0.83	120	11	4	9	3	563	87	13.6	74	2.38	11400	-99
1978.09.17	5:00:00	1	0.8	121	1.1	4	1	-99	424	100	14.6	93	1.82	18500	-99
1978.09.17	12:00:00	2	0.79	157	2.3	4	0	-99	376	73	11.4	40	-99	16700	-99
1978.09.19	0:00:00	1	0.79	121	1.4	4	7	-99	381	92	13.5	42	-99	18200	-99
1978.09.19	13:00:00	2	0.77	158	1.8	4	27	-99	343	57	11	50	-99	26600	-99
1978.09.22	8:00:00	1	0.76	121	3.8	4	14	-99	386	46	15.7	25	-99	21900	-99
1978.09.23	4:00:00	1	0.75	121	2.9	2	6	-99	446	56	17.3	11	-99	89600	-99
1978.09.30	0:00:00	1	0.68	124	8.9	3	32	-99	552	87	19.5	16	-99	65200	-99
1978.10.01	17:00:00	2	0.65	162	35.2	2	63	3	525	69	18.5	19	-99	16000	-99
1978.10.02	3:00:00	1	0.66	125	6.8	4	12	-99	500	86	16.4	23	-99	42500	-99
1978.10.02	23:00:00	1	0.66	125	4	4	15	-99	444	95	16.6	14	-99	16800	-99
1978.10.05	4:00:00	1	0.63	127	5.2	4	20	-99	711	88	18.6	39	-99	40300	-99
1978.10.06	2:00:00	2	0.59	165	8.9	3	14	3	453	83	-99	0	-99	17700	-99
1978.10.06	12:00:00	1	0.62	127	9.7	4	39	-99	724	79	19.1	51	-99	125000	-99
1978.10.07	12:00:00	2	0.57	166	9.6	2	5	-99	768	17	18.6	11	-99	159000	-99
1978.10.10	9:00:00	1	0.57	131	2.1	4	18	-99	546	90	14.6	57	-99	41900	-99
1978.10.11	4:00:00	1	0.56	132	2.6	4	20	-99	418	96	14.1	54	-99	16400	-99
1978.10.12	5:00:00	1	0.55	134	3.1	4	8	-99	366	67	21.3	62	-99	26200	-99
1978.10.13	6:00:00	1	0.53	135	6.7	4	19	-99	496	100	35.1	67	-99	24000	-99
1978.10.14	16:00:00	1	0.52	136	1.9	4	12	-99	415	96	20.8	75	1.32	51500	-99

1978.10.17	6:00:00	1	0.48	141	14.5	2	0	3	625	82	32.7	45	-99	40200	-99
1978.10.19	21:00:00	1	0.45	146	4.1	3	2	-99	693	96	24.8	29	-99	46600	-99
1978.10.24	17:00:00	1	0.4	160	4.3	4	7	-99	401	81	29.5	23	-99	44800	-99
1978.10.25	16:00:00	2	0.33	-144	1.6	4	5	-99	555	93	40.8	90	1.75	113000	-99
1978.10.28	13:00:00	2	0.31	-126	1.6	4	8	-99	398	90	39	53	-99	47100	-99
1978.10.30	17:00:00	1	0.34	-174	3.4	2	45	-99	628	14	47.7	10	-99	63500	-99
1978.11.01	15:00:00	2	0.3	-106	5.1	3	11	-99	392	83	41.1	37	-99	66000	-99
1978.11.02	5:00:00	1	0.32	-158	9.5	3	14	-99	474	34	55.4	18	-99	28800	-99
1978.11.05	3:00:00	1	0.32	-140	1.2	4	2	-99	453	100	44.6	96	1.49	99000	-99
1978.11.06	10:00:00	1	0.32	-134	3.6	4	27	-99	657	78	51.7	46	-99	133000	-99
1978.11.07	8:00:00	1	0.33	-128	1.2	4	5	-99	657	92	43.7	50	-99	236000	-99
1978.11.07	10:00:00	2	0.33	-68	1.1	4	5	-99	377	95	33.9	33	-99	62600	-99
1978.11.08	7:10:00	2	0.34	-63	9.2	3	3	3	548	72	-99	0	-99	25800	-99
1978.11.10	13:00:00	1	0.34	-112	7.7	4	7	-99	541	81	54.7	52	-99	14900	-99
1978.11.12	10:00:00	1	0.36	-102	2.4	4	7	-99	548	94	51.9	94	2.5	80500	-99
1978.11.14	0:00:00	2	0.42	-39	1.6	3	9	-99	516	88	30.7	47	-99	100000	-99
1978.11.15	10:00:00	2	0.43	-36	2	4	13	-99	573	91	29.2	30	-99	214000	-99
1978.11.16	17:00:00	1	0.41	-87	1.2	4	12	-99	621	94	32.9	83	2.19	106000	-99
1978.11.18	1:00:00	1	0.43	-81	2	4	14	-99	699	88	20.1	55	-99	106000	-99
1978.11.18	2:00:00	2	0.47	-29	4.4	4	6	-99	665	47	27	25	-99	150000	-99
1978.11.22	0:00:00	1	0.49	-72	1.6	4	6	-99	371	100	24.5	100	1.27	23400	-99
1978.11.22	2:00:00	2	0.53	-22	2.1	2	22	-99	608	59	25.5	34	-99	18900	-99
1978.11.23	14:00:00	1	0.5	-70	1.2	4	2	-99	367	100	20.6	36	-99	20100	-99
1978.11.24	2:00:00	2	0.55	-19	1.2	4	2	-99	536	97	16.6	72	1.48	145000	-99
1978.11.26	15:00:00	1	0.54	-65	0.8	4	2	-99	313	94	23.6	72	1.2	22500	-99
1978.11.29	3:17:00	1	0.57	-61	11.1	4	5	3	832	65	18.6	35	-99	25500	-99
1978.11.29	19:00:00	2	0.62	-14	4.9	4	30	-99	456	100	17	25	-99	19700	-99
1978.11.30	13:00:00	1	0.59	-60	2.4	4	6	3	620	93	21.8	67	-99	27000	-99
1978.12.01	15:00:00	2	0.64	-13	2	4	21	-99	506	96	10.9	15	-99	106000	-99
1978.12.01	23:00:00	1	0.6	-59	1.6	4	4	-99	480	100	16.7	50	-99	29900	-99
1978.12.05	6:00:00	2	0.69	-11	1.2	4	15	-99	476	100	15.8	83	1.77	114000	-99
1978.12.05	17:47:00	1	0.65	-56	1.5	4	5	-99	372	92	21.3	92	1.7	30700	-99
1978.12.06	4:00:00	1	0.66	-55	7.3	4	5	3	468	88	47.6	70	-99	40100	-99
1978.12.09	13:00:00	1	0.7	-54	1.9	4	7	-99	369	92	25.3	83	2.24	17600	-99
1978.12.10	2:00:00	1	0.71	-53	3.1	4	18	3	444	95	26.6	77	2.9	11500	-99
1978.12.12	20:00:00	1	0.73	-52	15.1	2	67	-99	699	96	24.5	89	4.39	73000	-99
1978.12.13	1:00:00	2	0.78	-9	19.2	2	24	-99	520	100	26.5	30	-99	67800	-99
1978.12.14	11:00:00	2	0.79	-9	3.9	4	15	-99	562	97	18.6	97	3.03	20700	-99
1978.12.15	20:00:00	2	0.8	-9	3.4	4	17	-99	566	100	20.6	81	3.42	24200	-99
1978.12.17	0:00:00	2	0.81	-8	3.4	4	23	-99	718	100	20.6	81	4.43	87500	-99
1978.12.18	7:00:00	2	0.82	-8	3.5	4	13	-99	704	95	10.7	41	-99	111000	-99
1978.12.19	5:00:00	2	0.83	-8	4.8	4	36	-99	674	98	8.8	24	-99	89300	-99
1978.12.19	21:00:00	1	0.8	-51	2.4	4	6	-99	421	100	12.6	78	1.57	15200	-99
1978.12.21	3:00:00	1	0.81	-51	1.2	4	9	-99	433	92	19.5	69	-99	16500	-99
1978.12.21	14:00:00	2	0.84	-9	4.6	4	4	-99	501	97	8.6	31	-99	35400	-99

1978.12.22	5:00:00	1	0.82	-51	0.8	4	4	-99	429	92	19.5	92	2.55	48900	-99
1978.12.22	20:20:00	1	0.82	-51	4	4	16	3	569	100	27.9	100	4.85	12700	-99
1978.12.23	4:00:00	2	0.86	-9	2.9	4	22	-99	426	97	12.8	79	1.79	19900	-99
1978.12.24	8:00:00	2	0.87	-9	1.2	4	12	3	407	100	15.6	75	2.12	14700	1
1978.12.25	17:00:00	1	0.84	-51	2	4	7	-99	676	86	20.6	55	-99	194000	-99
1978.12.28	23:01:00	1	0.87	-51	17.1	5	4	1	990	100	24.9	35	-99	26100	-99
1978.12.29	6:00:00	2	0.9	-9	5.6	5	31	-99	728	97	-99	0	-99	113000	5
1978.12.30	18:00:00	2	0.91	-10	4.6	5	14	3	851	67	-99	0	-99	22600	-99
1978.12.30	23:00:00	1	0.89	-51	3.8	5	3	3	558	97	-99	0	-99	22400	-99
1979.01.01	7:00:00	1	0.89	-51	2.5	4	8	8	546	100	16.9	91	3.2	75100	-99
1979.01.02	5:37:00	1	0.9	-52	8.4	5	15	1	703	94	23.9	45	-99	25500	-99
1979.01.02	12:54:00	2	0.92	-10	4	4	7	-99	540	100	-99	0	-99	133000	-99
1979.01.02	21:00:00	2	0.92	-10	7.5	4	18	3	581	97	-99	0	-99	28000	3.2
1979.01.05	14:00:00	2	0.94	-11	1.7	4	18	7	484	95	-99	0	-99	65800	1.1
1979.01.06	9:00:00	2	0.94	-11	2.5	4	5	3	485	95	-99	0	-99	17000	-99
1979.01.07	8:00:00	2	0.95	-11	3.3	4	15	3	531	97	-99	0	-99	22800	-99
1979.01.07	17:00:00	1	0.93	-52	2.8	4	7	-99	409	100	26.2	86	3.97	22900	-99
1979.01.09	3:00:00	2	0.96	-12	2.1	4	0	3	462	100	-99	0	-99	22400	-99
1979.01.11	4:00:00	1	0.94	-53	2.3	4	21	-99	454	100	14.9	92	2.54	26500	-99
1979.01.12	9:00:00	1	0.95	-53	1.9	4	3	-99	476	92	14.9	88	2.7	34700	-99
1979.01.13	7:00:00	1	0.95	-54	3.1	4	11	-99	510	100	12.6	93	2.45	35300	-99
1979.01.15	5:00:00	1	0.96	-54	3.5	4	29	-99	515	94	9	76	1.8	94000	-99
1979.01.16	19:00:00	1	0.96	-54	4.5	3	19	-99	570	91	11.3	85	2.49	24900	-99
1979.01.19	6:00:00	1	0.97	-55	2.4	4	13	-99	488	100	11.9	100	2.3	23900	-99
1979.01.22	6:00:00	1	0.98	-56	2	4	5	-99	635	100	12.3	100	3.12	107000	-99
1979.01.23	8:00:00	1	0.99	-56	1.2	4	3	-99	624	100	11.5	81	2.91	89400	-99
1979.01.25	16:00:00	1	0.99	-57	1.6	4	12	-99	476	98	7.9	60	-99	19300	-99
1979.01.26	23:00:00	1	0.99	-57	1.6	4	1	-99	422	95	-99	0	-99	11500	-99
1979.01.30	5:00:00	1	0.99	-58	5.8	4	39	3	495	98	-99	0	-99	10300	-99
1979.01.31	11:00:00	1	0.99	-59	5.8	4	9	-99	472	100	-99	0	-99	10300	-99
1979.02.02	0:00:00	1	0.99	-59	7.8	4	24	-99	422	100	-99	0	-99	19100	-99
1979.02.03	13:00:00	2	0.99	-20	3.7	4	25	3	518	100	-99	0	-99	11400	-99
1979.02.05	21:00:00	1	0.99	-60	1.2	4	0	-99	360	97	-99	0	-99	9780	-99
1979.02.08	18:00:00	1	0.99	-61	3.4	4	18	3	483	98	-99	0	-99	11800	-99
1979.02.10	18:33:00	2	0.99	-22	7.1	5	21	3	566	100	-99	0	-99	9520	-99
1979.02.11	0:00:00	1	0.99	-62	2.7	4	22	-99	453	100	-99	0	-99	20700	-99
1979.02.13	12:00:00	1	0.99	-63	4.7	4	28	-99	532	97	-99	0	-99	47100	-99
1979.02.15	1:00:00	1	0.99	-63	1.2	4	6	-99	621	96	-99	0	-99	132000	-99
1979.02.16	2:00:00	2	0.98	-24	-1	1	0	3	538	97	0	0	-99	34300	-99
1979.02.17	18:00:00	2	0.98	-24	-1	1	40	6	769	100	0	0	-99	49100	-99
1979.02.22	19:00:00	2	0.96	-26	3.4	4	7	-99	646	100	-99	0	-99	120000	-99
1979.02.25	10:00:00	1	0.97	-66	2.4	4	28	-99	392	97	-99	0	-99	26400	-99
1979.02.27	2:43:00	1	0.96	-67	16.5	5	20	1	677	96	-99	0	-99	24500	-99
1979.02.27	20:38:00	2	0.94	-27	7.3	4	29	1	440	86	-99	0	-99	27100	1.8
1979.03.03	2:00:00	1	0.95	-68	81.4	2	19	1	722	100	-99	0	-99	46300	-99

1979.03.08	17:00:00	1	0.93	-69	0.4	4	0	-99	427	96	-99	0	-99	18100	-99
1979.03.11	1:00:00	2	0.88	-29	3.6	4	0	-99	344	100	-99	0	-99	17600	-99
1979.03.11	23:00:00	2	0.88	-29	1.5	3	2	-99	361	100	-99	0	-99	18000	-99
1979.03.12	14:00:00	2	0.87	-29	24	2	26	-99	462	100	-99	0	-99	34300	-99
1979.03.13	20:00:00	2	0.86	-29	9.7	4	26	-99	586	100	-99	0	-99	27700	-99
1979.03.15	7:00:00	2	0.85	-30	2.2	4	25	-99	563	98	-99	0	-99	71500	-99
1979.03.16	7:00:00	1	0.89	-70	2.9	4	13	-99	421	100	-99	0	-99	31200	-99
1979.03.17	1:00:00	1	0.87	-70	1.3	4	7	-99	435	100	-99	0	-99	20900	-99
1979.03.17	17:00:00	1	0.87	-70	2.1	4	15	-99	646	86	-99	0	-99	51600	-99
1979.03.18	9:00:00	2	0.82	-30	1.7	4	19	-99	367	100	-99	0	-99	14800	-99
1979.03.20	3:00:00	1	0.85	-71	1.7	3	31	-99	473	69	-99	0	-99	31900	-99
1979.03.20	4:36:00	2	0.8	-30	7.3	4	21	3	564	100	-99	0	-99	18100	-99
1979.03.21	21:00:00	2	0.79	-30	2.7	4	6	-99	567	82	22.1	75	3.62	35300	-99
1979.03.23	3:00:00	1	0.83	-71	3.8	4	23	-99	453	94	-99	0	-99	41700	-99
1979.03.24	15:00:00	2	0.77	-29	4.7	4	45	-99	518	100	14.5	88	2.09	65700	-99
1979.03.24	21:04:00	1	0.82	-71	9.5	4	13	3	573	94	-99	0	-99	22800	-99
1979.03.27	8:53:00	2	0.74	-29	93.7	1	31	3	914	67	11.4	29	-99	24900	-99
1979.03.27	21:00:00	1	0.8	-70	4	4	24	-99	440	97	-99	0	-99	50800	-99
1979.03.29	18:00:00	1	0.78	-70	2.7	4	18	-99	424	98	21.1	93	2.53	19800	-99
1979.04.01	8:00:00	1	0.75	-70	0.9	4	5	-99	357	100	18.1	100	1.72	37200	-99
1979.04.01	14:00:00	2	0.69	-27	0.9	4	4	-99	414	100	21.3	78	2.08	110000	-99
1979.04.02	15:00:00	2	0.68	-27	2.3	3	9	3	485	100	27.4	80	3.06	142000	-99
1979.04.03	19:45:00	1	0.74	-69	4.7	3	11	-99	444	100	21.3	64	-99	68100	-99
1979.04.04	13:35:00	2	0.66	-26	37.1	2	9	-99	553	100	34.8	56	-99	94300	6.5
1979.04.05	3:00:00	1	0.72	-69	2.6	4	12	-99	461	100	17.9	54	-99	87500	-99
1979.04.05	14:00:00	2	0.64	-25	10.1	4	12	3	698	92	28.5	35	-99	28300	-99
1979.04.06	15:00:00	1	0.71	-68	3.4	4	25	-99	650	100	16.8	69	-99	160000	-99
1979.04.06	15:00:00	2	0.63	-25	6.3	4	3	3	603	88	20	62	-99	26400	-99
1979.04.07	15:00:00	1	0.7	-68	5.7	4	55	-99	781	93	14	87	2.63	84800	-99
1979.04.08	17:00:00	1	0.69	-68	3.2	4	29	-99	781	100	14	100	2.58	84800	-99
1979.04.09	7:00:00	2	0.6	-22	3.5	3	38	-99	599	96	21.9	61	-99	90000	-99
1979.04.11	7:00:00	2	0.57	-20	3.2	4	30	-99	677	100	18.7	35	-99	90000	-99
1979.04.12	20:00:00	2	0.56	-19	1.9	4	10	-99	704	100	17.7	22	-99	112000	-99
1979.04.13	14:00:00	1	0.63	-65	2.8	4	7	-99	452	100	16.1	30	-99	36300	-99
1979.04.15	4:05:00	1	0.61	-63	7.5	3	5	3	764	100	42.2	60	-99	38000	-99
1979.04.18	9:00:00	2	0.48	-10	4.3	4	53	-99	570	98	50.2	70	-99	51700	3.3
1979.04.18	17:00:00	1	0.57	-60	1.9	4	16	-99	519	100	19.7	50	-99	73200	-99
1979.04.22	1:00:00	1	0.51	-55	2.9	4	23	-99	653	100	30.9	93	3.01	86000	-99
1979.04.23	1:00:00	2	0.4	2	5.8	3	15	-99	748	69	43.8	25	-99	187000	-99
1979.04.23	8:00:00	1	0.5	-54	2	4	25	-99	650	100	26.9	94	2.52	150000	-99
1979.04.23	15:16:00	2	0.4	2	11.2	4	8	3	814	79	43.8	50	-99	37400	5.5
1979.04.25	3:00:00	2	0.37	8	2.1	4	4	-99	557	100	41.8	86	2.13	190000	-99
1979.04.27	22:00:00	2	0.35	16	3.9	4	13	-99	916	97	40.4	44	-99	136000	-99
1979.04.28	2:00:00	1	0.43	-44	2.7	4	19	-99	467	100	30.3	86	1.63	47300	-99
1979.04.29	3:00:00	2	0.32	25	1.5	4	23	-99	581	98	42.6	28	-99	129000	-99

1979.05.02	17:00:00	1	0.38	-32	7.9	2	30	-99	351	100	47.7	75	1.6	29400	-99
1979.05.03	13:00:00	2	0.29	48	2.8	4	7	-99	472	100	-99	0	-99	75100	-99
1979.05.03	21:00:00	1	0.37	-28	3.1	3	2	3	296	100	47.7	69	-99	29400	1.6
1979.05.05	23:00:00	1	0.35	-20	1.7	3	44	7	599	98	47.2	73	2.38	120000	0.5
1979.05.08	13:00:00	2	0.28	82	2.7	4	10	5	564	100	59.5	33	-99	86100	-99
1979.05.08	23:00:00	1	0.32	-6	2.2	4	37	-99	547	71	52.2	12	-99	105000	-99
1979.05.09	2:00:00	2	0.29	88	17.4	4	10	3	803	100	86	8	-99	99500	-99
1979.05.11	2:00:00	1	0.3	10	1.8	4	41	-99	536	100	49.2	7	-99	102000	-99
1979.05.12	2:00:00	2	0.31	106	3.2	4	8	-99	374	96	47.7	21	-99	111000	-99
1979.05.13	2:00:00	1	0.3	22	4.9	4	34	-99	511	96	51	33	-99	114000	-99
1979.05.14	11:00:00	2	0.33	116	0.5	3	2	-99	439	100	51.4	47	-99	42000	-99
1979.05.17	3:00:00	1	0.31	46	0.9	4	9	-99	341	100	46.1	50	-99	57600	-99
1979.05.17	11:00:00	2	0.37	128	2.2	4	10	-99	523	100	37.8	62	-99	154000	-99
1979.05.18	15:00:00	1	0.32	52	1.8	4	11	-99	403	100	50.9	64	-99	44300	-99
1979.05.18	15:00:00	2	0.38	132	2.6	4	29	-99	500	100	34.7	15	-99	90900	-99
1979.05.20	14:00:00	1	0.33	62	1.8	4	7	-99	325	100	-99	0	-99	48000	-99
1979.05.22	10:00:00	2	0.44	143	4.3	4	25	-99	456	100	25	21	-99	78700	-99
1979.05.22	14:00:00	1	0.35	71	2.3	4	26	-99	500	100	-99	0	-99	141000	-99
1979.05.24	8:00:00	2	0.47	147	1.8	4	5	-99	582	100	23.6	29	-99	72600	-99
1979.05.24	16:00:00	1	0.37	79	2.3	4	1	-99	573	94	50.3	58	-99	134000	-99
1979.05.26	1:00:00	2	0.49	151	1.8	3	2	-99	384	89	-99	0	-99	143000	-99
1979.05.26	15:00:00	2	0.49	151	4	2	20	-99	362	65	18.1	8	-99	30100	-99
1979.05.26	16:00:00	1	0.4	86	3.3	4	19	-99	496	100	34.3	81	1.76	154000	-99
1979.05.28	7:57:00	2	0.52	154	14	4	16	3	450	87	42.1	40	-99	30400	-99
1979.05.28	18:49:00	1	0.42	91	34.1	4	12	1	539	98	51.7	65	-99	26400	-99
1979.05.29	19:00:00	2	0.53	155	5.3	4	12	-99	678	90	32.3	19	-99	145000	-99
1979.06.01	2:00:00	1	0.48	100	2	4	20	-99	527	97	27.8	22	-99	127000	-99
1979.06.01	18:00:00	2	0.57	158	3	4	28	-99	548	78	13.2	56	-99	88400	-99
1979.06.03	2:00:00	2	0.6	160	2.6	2	19	-99	493	59	14.3	19	-99	84200	-99
1979.06.05	7:00:00	2	0.62	162	2	4	9	-99	573	90	-99	0	-99	146000	-99
1979.06.08	21:00:00	1	0.55	110	14.2	3	18	-99	290	100	16.5	63	-99	21600	-99
1979.06.09	15:00:00	1	0.57	112	17.2	2	36	-99	299	87	11.8	72	0.62	17200	-99
1979.06.09	21:00:00	2	0.66	164	4.5	4	18	-99	382	100	11.3	28	-99	25800	-99
1979.06.11	6:15:00	2	0.68	165	4.3	4	6	-99	407	100	15.2	25	-99	132000	-99
1979.06.11	18:00:00	2	0.68	165	13.3	4	14	3	490	97	23.3	24	-99	16800	-99
1979.06.11	21:00:00	1	0.59	113	2.4	4	5	-99	326	70	27.6	50	-99	44600	-99
1979.06.12	16:00:00	1	0.6	114	4.8	4	6	-99	493	69	30.7	62	-99	27200	-99
1979.06.14	18:00:00	1	0.63	116	3.3	4	19	-99	501	70	16.2	50	-99	79500	-99
1979.06.16	16:00:00	1	0.65	117	4.8	4	27	-99	587	80	13.6	62	-99	95000	-99
1979.06.17	3:00:00	2	0.74	167	1	3	0	-99	337	90	-99	0	-99	18100	-99
1979.06.18	17:00:00	2	0.75	167	3.3	3	13	-99	537	90	11.5	17	-99	49500	-99
1979.06.19	16:00:00	1	0.68	118	11.5	4	135	-99	553	74	24.4	36	-99	19300	-99
1979.06.20	11:00:00	1	0.69	119	4.8	4	19	-99	469	67	-99	0	-99	76800	-99
1979.06.22	14:00:00	1	0.71	120	1.5	4	15	-99	525	75	14.5	33	-99	42000	-99
1979.06.23	10:00:00	1	0.72	120	3.1	4	12	-99	477	92	15	79	1.8	33100	-99

1979.06.23	10:00:00	2	0.79	168	4.9	4	45	-99	508	94	11.7	27	-99	21700	-99
1979.06.24	20:00:00	1	0.73	120	7.1	4	11	3	553	96	24.4	71	3.45	19300	-99
1979.06.25	7:00:00	2	0.81	168	4	4	19	-99	395	96	12.4	18	-99	17500	-99
1979.06.27	2:00:00	1	0.75	121	3	4	63	-99	499	89	13.2	43	-99	21000	-99
1979.06.30	10:00:00	1	0.78	121	3.6	4	35	-99	670	88	20.8	52	-99	32100	-99
1979.07.04	22:00:00	1	0.82	122	3.6	3	31	-99	559	42	14.8	15	-99	16000	-99
1979.07.06	14:00:00	1	0.82	122	1.6	2	15	-99	436	45	15.8	28	-99	30900	-99
1979.07.13	1:00:00	1	0.87	121	28.8	1	31	-99	830	33	18.6	11	-99	173000	-99
1979.07.21	16:00:00	1	0.91	120	4.5	3	20	-99	497	70	-99	0	-99	29300	-99
1979.07.22	13:00:00	2	0.94	164	3.1	3	22	-99	404	63	-99	0	-99	11100	-99
1979.07.24	19:00:00	1	0.92	120	3.1	4	19	-99	641	79	13.7	15	-99	61700	-99
1979.07.25	13:00:00	2	0.95	163	2.6	3	8	-99	465	52	-99	0	-99	23500	-99
1979.07.26	13:00:00	2	0.95	163	2.1	2	8	-99	493	42	-99	0	-99	31400	-99
1979.07.27	9:00:00	1	0.93	119	2.1	3	32	-99	557	85	11.3	7	-99	75000	-99
1979.07.31	8:00:00	1	0.95	118	2.7	4	15	-99	494	89	-99	0	-99	30100	-99
1979.08.02	13:00:00	2	0.97	161	1.1	2	4	-99	-99	0	-99	0	-99	-99	-99
1979.08.05	21:00:00	2	0.97	160	32.1	1	26	-99	-99	0	-99	0	-99	-99	-99
1979.08.09	7:00:00	1	0.97	116	5.8	3	23	-99	-99	0	-99	0	-99	-99	-99
1979.08.11	4:00:00	1	0.97	115	1	3	5	-99	-99	0	-99	0	-99	-99	-99
1979.08.12	21:00:00	2	0.97	158	3.1	2	42	-99	-99	0	-99	0	-99	-99	-99
1979.08.14	18:00:00	1	0.97	114	2	3	9	-99	-99	0	-99	0	-99	-99	-99
1979.08.16	2:00:00	1	0.97	114	2.4	3	24	-99	-99	0	-99	0	-99	-99	-99
1979.08.18	3:00:00	1	0.97	114	4.5	3	11	-99	-99	0	-99	0	-99	-99	-99
1979.08.20	4:00:00	2	0.96	156	69.2	1	10	-99	330	88	-99	0	-99	18000	-99
1979.08.20	18:00:00	2	0.96	156	62.4	1	21	-99	581	50	-99	0	-99	51100	-99
1979.08.22	13:00:00	2	0.96	155	44.6	1	34	-99	537	75	-99	0	-99	18100	-99
1979.08.25	8:00:00	1	0.97	112	46.7	2	73	-99	-99	0	-99	0	-99	-99	-99
1979.08.27	16:00:00	2	0.94	154	61.4	2	20	3	817	42	-99	0	-99	19600	-99
1979.08.29	22:00:00	2	0.93	154	13.3	3	50	-99	783	39	-99	0	-99	101000	-99
1979.08.30	8:00:00	1	0.96	110	5.6	2	17	-99	-99	0	-99	0	-99	-99	-99
1979.09.04	8:00:00	1	0.95	109	1.9	2	18	-99	-99	0	-99	0	-99	-99	-99
1979.09.04	17:00:00	2	0.9	152	2.6	4	16	-99	601	89	-99	0	-99	44500	-99
1979.09.09	2:00:00	2	0.88	152	38.9	1	5	-99	529	83	-99	0	-99	109000	-99
1979.09.09	14:00:00	2	0.88	152	96.4	2	12	-99	1030	100	-99	0	-99	57300	-99
1979.09.11	15:00:00	2	0.87	151	87.1	2	35	-99	1087	56	-99	0	-99	24500	-99
1979.09.12	9:00:00	1	0.92	108	77	1	22	-99	-99	0	-99	0	-99	-99	-99
1979.09.15	14:00:00	2	0.84	151	89.6	1	32	-99	557	53	-99	0	-99	49600	-99
1979.09.18	9:00:00	1	0.9	106	62.8	2	25	-99	-99	0	-99	0	-99	-99	-99
1979.09.18	14:00:00	2	0.83	151	41.9	2	20	-99	430	95	9.4	5	-99	34400	-99
1979.09.19	4:00:00	1	0.89	106	12.2	2	5	-99	-99	0	-99	0	-99	-99	-99
1979.09.19	8:00:00	2	0.83	151	22.5	2	16	-99	487	82	11.9	14	-99	18500	-99
1979.09.23	4:00:00	1	0.87	106	29.2	1	4	-99	-99	0	-99	0	-99	-99	-99
1979.09.24	7:00:00	1	0.86	106	20.9	1	6	-99	-99	0	-99	0	-99	-99	-99
1979.09.29	14:00:00	2	0.74	152	8.9	2	20	-99	465	97	13	34	-99	34900	-99
1979.09.30	5:00:00	2	0.73	152	3.2	4	5	-99	438	96	6.6	15	-99	31100	-99

1979.10.01	15:00:00	2	0.72	152	3.8	4	22	-99	389	96	12.9	81	1.26	37300	-99
1979.10.03	9:00:00	1	0.8	106	5.4	3	27	-99	-99	0	-99	0	-99	-99	-99
1979.10.04	20:00:00	2	0.69	153	1.6	2	2	-99	363	79	18.1	54	-99	32500	-99
1979.10.05	5:00:00	1	0.78	106	5.2	4	42	-99	352	48	-99	0	-99	33600	-99
1979.10.07	6:00:00	1	0.77	106	1.1	4	4	-99	350	94	-99	0	-99	28800	-99
1979.10.07	21:00:00	2	0.64	155	7.7	3	17	-99	289	59	20.4	26	-99	19400	-99
1979.10.07	23:00:00	1	0.76	106	2.7	3	29	-99	412	33	-99	0	-99	41500	-99
1979.10.09	5:00:00	1	0.75	107	1.7	2	16	-99	422	53	10.9	11	-99	93300	-99
1979.10.09	21:00:00	2	0.63	156	1.1	2	12	-99	344	65	19.3	21	-99	32700	-99
1979.10.11	17:00:00	2	0.61	158	3.4	3	14	-99	382	74	15.3	6	-99	32300	-99
1979.10.12	18:00:00	1	0.72	107	6.7	4	16	3	431	88	-99	0	-99	52500	-99
1979.10.13	17:00:00	2	0.58	159	9.9	3	67	-99	547	90	20.9	30	-99	20600	-99
1979.10.13	21:00:00	1	0.71	108	4	4	8	-99	477	85	14.1	46	-99	18200	-99
1979.10.15	4:00:00	2	0.56	161	4.1	4	32	-99	547	100	20.9	32	-99	94600	-99
1979.10.16	11:00:00	1	0.68	109	2.3	4	13	-99	386	95	21.9	55	-99	24800	-99
1979.10.16	23:00:00	2	0.54	162	1.8	4	19	-99	485	93	17.9	25	-99	20900	-99
1979.10.17	6:00:00	1	0.67	110	3	4	3	-99	441	92	15.9	35	-99	22800	-99
1979.10.18	4:00:00	1	0.66	110	4.2	4	6	-99	387	92	12.7	25	-99	10800	-99
1979.10.20	9:00:00	2	0.49	168	3	2	30	-99	515	43	26.4	30	-99	30200	-99
1979.10.21	15:00:00	1	0.62	112	2.3	4	6	-99	374	68	14.2	27	-99	39900	-99
1979.10.23	7:00:00	2	0.46	174	2.9	4	0	-99	423	92	46.7	89	2.52	26700	-99
1979.10.23	12:00:00	1	0.61	114	1.1	4	3	-99	344	100	-99	0	-99	38100	-99
1979.10.25	0:00:00	1	0.58	116	1.1	4	1	-99	308	92	14.2	12	-99	11800	-99
1979.10.26	6:00:00	1	0.57	117	6	4	16	3	356	100	-99	0	-99	10600	-99
1979.10.27	12:00:00	2	0.4	-174	8.4	2	7	-99	421	100	27.9	100	1.21	95800	-99
1979.10.28	6:00:00	1	0.55	119	3.3	4	11	-99	288	100	-99	0	-99	9760	-99
1979.10.28	6:00:00	2	0.39	-171	6.7	3	23	-99	361	62	34.2	56	-99	28400	-99
1979.10.30	9:00:00	2	0.36	-163	6.9	1	24	-99	424	67	46.8	28	-99	21000	-99
1979.10.31	18:00:00	1	0.51	124	17.1	2	12	3	368	81	44.5	52	-99	13700	-99
1979.11.01	17:00:00	2	0.34	-154	80.7	2	29	-99	380	90	30.8	23	-99	43700	-99
1979.11.02	20:00:00	1	0.48	128	2.1	4	21	-99	415	95	21.6	14	-99	30600	-99
1979.11.03	7:00:00	2	0.32	-143	41.5	2	21	-99	386	93	56.2	60	-99	42600	-99
1979.11.04	9:00:00	2	0.31	-137	6.1	3	5	-99	593	93	48.3	45	-99	25700	-99
1979.11.05	9:00:00	2	0.31	-131	11.3	1	11	-99	593	83	64.7	50	-99	55200	-99
1979.11.05	13:00:00	1	0.44	134	2.1	4	6	-99	459	91	25.8	18	-99	45300	-99
1979.11.07	1:00:00	2	0.3	-118	6.5	1	27	-99	485	93	55.9	45	-99	63100	-99
1979.11.07	5:00:00	1	0.42	140	1.6	4	23	-99	414	88	17.1	16	-99	43100	-99
1979.11.08	15:00:00	2	0.3	-111	5.6	3	40	-99	411	90	54.8	48	-99	32100	-99
1979.11.09	3:00:00	1	0.39	147	3.1	4	20	-99	608	78	30	44	-99	99400	-99
1979.11.13	23:00:00	2	0.33	-74	1.7	4	8	-99	264	83	46.9	50	-99	38200	-99
1979.11.14	11:00:00	1	0.34	168	8.6	3	34	-99	313	50	35.8	38	-99	30500	-99
1979.11.16	5:00:00	2	0.35	-64	10.7	4	65	-99	651	98	42.5	70	-99	22600	-99
1979.11.16	13:00:00	1	0.33	179	7.3	3	67	-99	449	57	43.7	51	-99	73500	-99
1979.11.20	9:00:00	1	0.32	-157	1.8	4	5	-99	394	100	42.5	40	-99	50200	-99
1979.11.21	13:00:00	1	0.32	-151	2.8	4	0	-99	376	100	-99	0	-99	51600	-99

1979.11.22	6:00:00	1	0.32	-145	3.4	4	17	-99	324	97	27.6	26	-99	36900	-99
1979.11.22	10:00:00	2	0.43	-42	5.4	4	12	-99	354	100	26.4	72	1.08	19600	-99
1979.11.24	0:00:00	1	0.33	-134	7	4	12	-99	426	89	-99	0	-99	31900	-99
1979.11.24	23:00:00	2	0.47	-35	3.3	4	18	-99	343	100	24.2	78	1.09	42400	-99
1979.11.26	22:00:00	2	0.49	-33	2.3	4	7	-99	353	100	30.2	100	1.49	50600	-99
1979.11.27	0:00:00	1	0.36	-119	5.1	4	2	-99	601	98	30.8	33	-99	34800	-99
1979.11.28	12:00:00	2	0.52	-30	2.3	4	21	-99	447	83	21.5	80	1.48	38200	-99
1979.11.29	19:00:00	2	0.53	-28	1.2	4	3	-99	436	97	17.9	67	-99	75900	-99
1979.11.30	20:00:00	1	0.39	-107	1.7	4	17	-99	601	95	30.8	32	-99	34800	-99
1979.12.04	14:00:00	2	0.6	-23	1.1	4	5	-99	548	100	21.7	90	2.26	22800	-99
1979.12.08	19:00:00	1	0.5	-86	1.1	4	4	-99	521	83	19.2	81	1.45	84000	-99
1979.12.10	7:00:00	2	0.68	-18	1.6	4	28	-99	474	100	16	80	1.75	62900	-99
1979.12.10	12:00:00	1	0.53	-82	1.1	4	12	-99	456	62	17.9	42	-99	25200	-99
1979.12.11	8:00:00	1	0.54	-81	2.8	4	1	3	489	89	24.8	47	-99	10700	-99
1979.12.13	8:57:00	1	0.57	-78	3.4	3	8	2	465	97	53.9	92	4.42	17900	-99
1979.12.13	12:50:00	2	0.71	-17	3.2	3	27	2	456	39	17.1	39	-99	36100	-99
1979.12.15	13:00:00	2	0.73	-16	2.7	2	11	-99	503	75	10.9	55	-99	80300	-99
1979.12.18	13:00:00	2	0.76	-16	25.2	2	32	-99	452	84	21.6	65	-99	10300	-99
1979.12.19	3:00:00	2	0.77	-16	3.3	3	18	-99	326	100	13.3	80	1.21	11500	-99
1979.12.20	23:00:00	2	0.78	-16	17.8	1	17	-99	452	84	21.6	74	2.77	53600	-99
1979.12.21	10:00:00	1	0.66	-71	21.6	1	25	-99	514	78	20.4	56	-99	91900	-99
1979.12.22	23:00:00	2	0.8	-15	4.2	3	21	-99	445	94	18.3	69	-99	21900	-99
1979.12.23	12:00:00	1	0.69	-70	5.2	4	17	-99	461	97	14.8	81	1.61	47800	-99
1979.12.23	13:00:00	2	0.81	-15	3.1	3	42	-99	445	100	15	69	-99	33800	-99
1979.12.25	2:00:00	1	0.71	-69	3.2	4	12	-99	477	95	12	73	1.4	81400	-99
1979.12.25	18:00:00	2	0.82	-15	3.7	4	54	-99	440	98	18.3	70	-99	21900	-99
1979.12.26	8:00:00	1	0.72	-68	3.7	4	16	-99	462	100	22.7	97	2.64	69800	-99
1979.12.28	7:00:00	1	0.74	-68	1.6	3	22	-99	678	70	15	55	-99	162000	-99
1980.01.03	11:00:00	1	0.78	-67	3.2	4	13	-99	539	97	30.4	56	-99	31600	-99
1980.01.06	0:00:00	1	0.81	-66	2.2	4	18	-99	411	96	8.9	46	-99	22700	-99
1980.01.07	1:00:00	1	0.82	-66	3.3	4	11	-99	430	100	-99	0	-99	31900	-99
1980.01.07	19:00:00	2	0.91	-16	1.6	4	12	-99	416	100	11.1	81	1.64	16000	-99
1980.01.10	20:48:00	2	0.92	-17	9.5	5	20	1	489	100	18.5	74	3.3	31900	2.4
1980.01.10	23:08:00	1	0.84	-66	2.2	3	1	1	465	100	-99	0	-99	113000	2.4
1980.01.12	9:00:00	2	0.93	-17	9.5	4	28	-99	511	100	13.9	89	2.62	21200	-99
1980.01.12	13:00:00	1	0.86	-66	2.8	4	8	-99	369	100	6.3	11	-99	15200	-99
1980.01.13	6:00:00	1	0.86	-66	2.3	4	14	-99	383	100	12.7	14	-99	22900	-99
1980.01.13	9:00:00	2	0.94	-18	5.3	2	4	-99	510	89	13.5	86	2.59	21200	-99
1980.01.13	20:00:00	2	0.94	-18	5.8	4	0	-99	499	83	13.5	64	-99	21200	-99
1980.01.14	3:00:00	1	0.87	-66	2.3	4	12	-99	370	100	14.4	57	-99	16200	-99
1980.01.24	16:00:00	1	0.93	-68	3.2	4	22	-99	631	100	12.3	57	-99	160000	-99
1980.01.24	20:00:00	2	0.98	-21	1.7	2	2	-99	397	100	11.2	75	1.78	40600	-99
1980.01.25	20:00:00	2	0.98	-21	12.4	2	39	-99	566	98	15.6	73	3.54	14200	-99
1980.01.26	11:00:00	1	0.94	-68	1.1	4	4	-99	702	97	11.3	94	2.98	98000	-99
1980.01.29	10:00:00	2	0.99	-22	2.1	4	24	-99	566	100	9.2	69	-99	72400	-99

1980.01.30	5:00:00	2	0.99	-22	1.6	4	5	-99	566	100	6.5	58	-99	72400	-99
1980.01.30	10:00:00	1	0.96	-69	0.5	4	2	-99	431	100	6.9	67	-99	24600	-99
1980.01.31	21:00:00	1	0.95	-69	1	3	17	-99	345	68	8.8	36	-99	20400	-99
1980.02.01	17:00:00	1	0.95	-70	1.1	4	3	-99	325	91	9.4	68	-99	10400	-99
1980.02.03	5:00:00	1	0.96	-70	6.8	4	34	-99	508	97	8.6	44	-99	33000	-99
1980.02.03	10:00:00	2	0.99	-24	2.7	4	26	-99	390	91	8.1	70	-99	22800	-99
1980.02.05	14:00:00	2	0.99	-24	16.4	4	16	-99	859	100	19.4	100	6.76	45100	6.9
1980.02.06	20:00:00	2	0.99	-25	73	2	14	-99	641	100	13.4	88	3.5	54600	-99
1980.02.06	23:00:00	1	0.97	-71	12.2	2	14	-99	403	100	6.9	81	1.09	37000	-99
1980.02.07	14:00:00	1	0.97	-71	7.5	3	20	-99	376	92	8	58	-99	17500	-99
1980.02.10	14:00:00	1	0.98	-72	12.5	2	1	-99	369	92	-99	0	-99	31700	-99
1980.02.12	21:00:00	1	0.98	-73	7.1	4	13	-99	588	100	-99	0	-99	29100	-99
1980.02.13	2:00:00	2	0.99	-27	1.1	4	8	-99	345	100	10.7	100	1.51	29200	-99
1980.02.13	19:00:00	2	0.99	-27	1.2	4	3	-99	420	100	11.6	81	1.98	31100	-99
1980.02.14	3:00:00	1	0.99	-73	2.3	4	19	-99	508	94	-99	0	-99	54800	-99
1980.02.14	10:00:00	2	0.99	-27	5.3	4	16	-99	435	100	11.4	67	-99	13500	-99
1980.02.16	4:00:00	1	0.99	-74	1.1	4	8	-99	508	100	-99	0	-99	29500	-99
1980.02.16	10:00:00	2	0.99	-28	3.5	4	7	-99	362	100	7.2	71	1.06	14000	-99
1980.02.17	16:00:00	2	0.99	-28	2.9	4	5	-99	369	90	6.3	87	0.95	19300	-99
1980.02.21	0:00:00	2	0.98	-30	1.7	4	26	-99	327	100	7	77	0.92	12900	-99
1980.02.22	9:00:00	1	0.99	-76	1.1	4	5	-99	362	97	-99	0	-99	48500	-99
1980.02.23	18:00:00	2	0.98	-30	2.2	4	7	-99	526	100	15.1	25	-99	14700	-99
1980.02.25	11:00:00	2	0.97	-31	1.1	4	14	-99	533	100	10.6	74	2.23	17000	-99
1980.02.27	6:00:00	2	0.97	-31	1.7	4	19	-99	365	97	9.1	90	1.3	20000	-99
1980.02.28	0:00:00	1	0.99	-78	8	3	39	-99	476	91	-99	0	-99	14400	-99
1980.03.01	14:00:00	1	0.99	-78	2.3	4	20	-99	467	100	-99	0	-99	24100	-99
1980.03.02	4:00:00	2	0.96	-32	3.3	3	8	-99	473	100	12.5	90	2.29	47500	-99
1980.03.02	20:00:00	1	0.99	-79	2.9	4	31	-99	406	100	-99	0	-99	29000	-99
1980.03.05	1:45:00	1	0.99	-80	2.4	4	6	2	511	80	-99	0	-99	34600	-99
1980.03.05	4:00:00	2	0.94	-33	2.3	4	6	-99	-99	0	-99	0	-99	-99	3.2
1980.03.05	14:34:00	2	0.94	-33	4.7	4	20	2	-99	0	-99	0	-99	-99	-99
1980.03.06	5:00:00	1	0.98	-80	0.6	3	0	-99	454	100	-99	0	-99	23900	-99
1980.03.12	10:47:00	1	0.97	-81	1.7	4	1	3	338	95	-99	0	-99	11200	-99
1980.03.14	10:00:00	1	0.96	-82	2.2	4	21	-99	330	100	-99	0	-99	13900	-99
1980.03.17	21:00:00	1	0.94	-83	2.2	4	8	-99	391	94	-99	0	-99	23800	-99
1980.03.22	14:03:00	1	0.92	-84	1.6	4	5	2	426	100	-99	0	-99	32300	-99
1980.03.29	11:52:00	1	0.89	-85	27.6	5	28	1	610	98	-99	0	-99	9510	-99
1980.04.02	13:00:00	1	0.87	-85	1.2	4	8	-99	450	94	-99	0	-99	65400	-99
1980.04.08	0:00:00	1	0.82	-86	4.3	3	42	-99	452	96	-99	0	-99	33000	-99
1980.04.12	5:00:00	1	0.79	-85	2.8	4	15	-99	350	100	12.3	89	1.25	17900	-99
1980.04.17	17:00:00	1	0.75	-85	8.9	4	82	-99	406	93	23.2	81	2.52	25700	-99
1980.04.22	12:00:00	1	0.69	-83	6.9	4	36	6	525	100	12.2	83	1.51	96400	-99
1980.04.27	19:00:00	1	0.64	-80	1.2	3	5	-99	370	97	13.8	64	-99	22500	-99
1980.05.01	6:20:00	1	0.59	-77	92.9	2	48	3	599	100	39.4	82	4.39	62100	-99
1980.05.04	13:00:00	1	0.55	-74	7.3	3	7	-99	708	98	37.4	58	-99	50000	-99

1980.05.07	12:00:00	1	0.52	-70	2.9	4	11	-99	461	98	17.4	67	-99	58000	-99
1980.05.10	21:00:00	1	0.48	-66	3.3	3	11	-99	351	100	29.6	50	-99	24300	-99
1980.05.18	11:00:00	1	0.38	-44	3.2	4	0	-99	418	100	36	62	-99	34900	-99
1980.05.23	21:00:00	1	0.32	-23	9.8	2	27	-99	443	98	67.4	56	-99	40400	-99
1980.05.27	2:28:00	1	0.3	0	13.7	3	7	3	403	72	45.9	16	-99	21500	-99
1980.06.10	9:00:00	1	0.38	70	17.6	2	10	-99	789	100	58.2	50	-99	33000	-99
1980.06.19	20:14:00	1	0.5	90	7.8	5	7	3	474	100	56	92	3.84	11300	-99
1980.06.22	20:00:00	1	0.54	95	16.8	2	17	-99	421	98	37.5	80	2.57	18400	-99
1980.07.01	0:00:00	1	0.64	102	11	4	67	5	450	99	32.7	87	3.09	29200	-99
1980.07.07	11:27:00	1	0.7	105	22.8	2	16	3	591	99	44.1	61	-99	24000	-99
1980.07.10	22:45:00	1	0.73	106	6.1	4	6	3	583	97	14.6	30	-99	44200	-99
1980.07.13	20:15:00	1	0.76	106	9.5	5	16	3	501	90	19.6	34	-99	14200	-99
1980.07.21	14:00:00	1	0.82	107	27.6	2	14	-99	444	82	13.8	41	-99	10500	-99
1980.07.27	22:00:00	1	0.86	107	2.7	4	7	-99	313	89	12.8	11	-99	27600	-99
1980.08.02	4:00:00	1	0.9	106	2.1	4	46	-99	410	95	-99	0	-99	12700	-99
1980.08.08	9:00:00	1	0.93	105	56.8	2	33	-99	456	95	7.6	59	-99	52100	-99
1980.08.25	10:00:00	1	0.97	101	8	5	38	-99	461	93	-99	0	-99	11200	-99
1980.09.03	10:00:00	1	0.97	99	27	3	10	1	535	87	-99	0	-99	27000	-99
1980.09.08	22:00:00	1	0.97	97	3.5	4	32	-99	459	88	-99	0	-99	24300	-99
1980.09.15	9:00:00	1	0.96	96	2.8	4	35	-99	413	84	-99	0	-99	7980	-99
1980.09.18	3:00:00	1	0.96	95	1.4	4	0	-99	413	87	-99	0	-99	10100	-99
1980.09.19	18:00:00	1	0.96	95	3.5	4	54	-99	536	91	-99	0	-99	12200	-99
1980.09.22	20:00:00	1	0.95	94	3.6	4	16	-99	564	87	-99	0	-99	34200	-99
1980.09.24	19:00:00	1	0.94	93	2.2	4	11	-99	411	93	-99	0	-99	20900	-99
1980.09.30	20:00:00	1	0.92	92	5.8	4	13	-99	460	73	-99	0	-99	13500	-99
1980.10.09	2:00:00	1	0.87	91	2.8	4	26	-99	412	94	-99	0	-99	31600	-99
1980.10.10	6:00:00	1	0.86	91	2.9	4	27	-99	456	100	-99	0	-99	19300	-99
1980.10.11	15:00:00	1	0.85	91	5.2	4	6	-99	422	94	-99	0	-99	25800	-99
1980.10.12	21:00:00	1	0.85	91	3.8	4	17	-99	522	100	-99	0	-99	28800	-99
1980.10.22	12:00:00	1	0.78	91	5.1	4	24	-99	503	88	18.3	42	-99	54800	-99
1980.10.27	20:00:00	1	0.73	92	3	4	69	-99	722	98	23.6	84	4.36	37500	-99
1980.10.30	2:00:00	1	0.7	93	1.5	4	15	-99	722	97	18.8	84	3.27	130000	-99
1980.10.31	14:00:00	1	0.69	94	1.5	4	1	-99	596	94	31.8	68	-99	123000	-99
1980.11.05	4:00:00	1	0.64	97	2.2	4	20	-99	584	90	19.6	65	-99	91200	-99
1980.11.07	3:48:00	1	0.61	98	5.3	4	11	3	748	97	23.3	94	3.41	23900	-99
1980.11.09	4:00:00	1	0.59	100	3	4	29	-99	394	100	22.8	76	1.67	21000	-99
1980.11.13	2:00:00	1	0.54	105	16.8	2	24	-99	466	90	23.9	62	-99	139000	-99
1980.11.14	21:11:00	1	0.53	106	88.7	2	14	3	1176	88	27.7	36	-99	66400	-99
1980.11.18	12:00:00	1	0.47	114	11	2	22	-99	587	100	25.3	26	-99	79100	-99
1980.11.21	14:00:00	1	0.44	121	5.3	4	13	-99	435	100	35.6	31	-99	65000	-99
1980.11.25	9:00:00	1	0.39	134	28.3	2	55	-99	549	100	49.3	41	-99	71600	-99
1980.11.28	23:00:00	1	0.36	146	3.1	4	7	-99	453	100	40.9	44	-99	100000	-99
1980.11.29	14:00:00	1	0.35	151	3.9	4	12	-99	438	100	38.6	12	-99	107000	-99
1980.12.07	13:00:00	1	0.32	-163	8.3	4	38	-99	369	43	43.2	24	-99	31800	-99
1980.12.11	16:00:00	1	0.36	-141	2.4	4	15	-99	592	100	39.9	24	-99	116000	-99

1980.12.15	20:00:00	1	0.4	-124	6.2	4	10	-99	450	95	32.9	26	-99	30500	-99
1980.12.30	18:41:00	1	0.59	-91	2.3	4	9	3	-99	0	13	6	-99	-99	-99
1981.01.01	22:00:00	1	0.62	-89	2.3	3	14	-99	-99	0	20.4	28	-99	-99	-99
1981.01.09	11:00:00	1	0.71	-84	3.1	4	12	-99	-99	0	19.9	42	-99	-99	-99
1981.01.14	23:00:00	1	0.76	-82	3.1	4	12	-99	-99	0	16	35	-99	-99	-99
1981.01.16	15:00:00	1	0.78	-82	1.6	4	17	-99	-99	0	10.8	43	-99	-99	-99
1981.01.27	17:48:00	1	0.87	-82	28.1	2	20	-99	-99	0	24.9	45	-99	-99	-99
1981.02.01	16:00:00	1	0.89	-82	4.1	5	17	-99	-99	0	16.4	48	-99	-99	-99
1981.02.07	4:00:00	1	0.92	-83	1.6	4	8	-99	-99	0	-99	0	-99	-99	-99
1981.04.01	23:00:00	1	0.94	-98	24.3	2	41	-99	-99	0	-99	0	-99	-99	-99
1981.04.05	6:00:00	1	0.93	-99	7	4	16	-99	-99	0	-99	0	-99	-99	-99
1981.04.06	16:00:00	1	0.92	-99	2.9	3	11	-99	-99	0	-99	0	-99	-99	-99
1981.04.07	7:47:00	1	0.92	-99	14.7	3	13	-99	-99	0	-99	0	-99	-99	-99
1981.04.07	22:00:00	1	0.92	-99	13.3	4	13	-99	-99	0	-99	0	-99	-99	-99
1981.04.13	9:10:00	1	0.89	-100	93.4	2	35	1	-99	0	-99	0	-99	-99	-99
1981.04.16	19:50:00	1	0.87	-100	21.5	2	12	-99	-99	0	-99	0	-99	-99	-99
1981.04.17	20:00:00	1	0.86	-100	17.4	2	15	-99	-99	0	-99	0	-99	-99	-99
1981.04.18	14:00:00	1	0.85	-100	9.8	2	29	-99	-99	0	-99	0	-99	-99	-99
1981.04.25	11:06:00	1	0.79	-100	4.1	3	15	-99	-99	0	-99	0	-99	-99	-99
1981.04.26	8:27:00	1	0.79	-100	3.2	2	0	-99	-99	0	-99	0	-99	-99	-99
1981.04.27	3:01:00	1	0.78	-100	44.4	2	2	1	-99	0	7.8	2	-99	-99	-99
1981.05.02	10:49:00	1	0.74	-99	20	1	0	1	-99	0	24	100	-99	-99	-99
1981.05.06	17:24:00	1	0.69	-98	24.7	2	5	-99	-99	0	19.1	100	-99	-99	-99
1981.05.10	3:00:00	1	0.65	-96	99.5	1	1	-99	-99	0	27.9	95	-99	-99	-99
1981.05.22	13:00:00	1	0.51	-84	3.6	3	8	-99	-99	0	18.7	73	-99	-99	-99
1981.05.23	2:00:00	1	0.5	-82	1.5	3	22	-99	-99	0	24.4	93	-99	-99	-99
1981.05.25	20:31:00	1	0.47	-79	8.1	4	3	-99	-99	0	54.4	74	-99	-99	-99
1981.05.26	13:00:00	1	0.46	-77	7.9	4	7	-99	-99	0	52.8	91	-99	-99	-99
1981.05.29	18:00:00	1	0.42	-70	2.4	4	16	-99	-99	0	25.4	76	-99	-99	-99
1981.05.31	5:00:00	1	0.39	-64	3.1	4	43	-99	-99	0	57.8	94	-99	-99	-99
1981.06.05	17:12:00	1	0.34	-44	18.1	2	41	-99	-99	0	41.7	78	-99	-99	-99
1981.06.12	10:00:00	1	0.29	-5	2.4	4	4	-99	-99	0	64.3	92	-99	-99	-99
1981.06.15	1:00:00	1	0.3	13	3.2	3	4	-99	-99	0	-99	0	-99	-99	-99
1981.06.18	20:00:00	1	0.32	29	19.4	4	9	-99	-99	0	-99	0	-99	-99	-99
1981.06.19	22:00:00	1	0.32	34	2.4	4	4	-99	-99	0	-99	0	-99	-99	-99
1981.06.26	12:00:00	1	0.4	60	3.7	5	22	-99	-99	0	-99	0	-99	-99	-99
1981.06.28	14:00:00	1	0.43	66	5.9	4	77	-99	-99	0	-99	0	-99	-99	-99
1981.07.09	8:00:00	1	0.57	83	3.8	4	12	-99	-99	0	-99	0	-99	-99	-99
1981.07.18	22:00:00	1	0.67	89	2.2	3	32	-99	-99	0	-99	0	-99	-99	-99
1981.07.24	3:00:00	1	0.73	91	11.3	3	34	-99	-99	0	-99	0	-99	-99	-99
1981.07.29	16:00:00	1	0.77	92	3.1	4	38	-99	-99	0	-99	0	-99	-99	-99
1981.07.31	3:00:00	1	0.8	92	4.7	5	14	-99	-99	0	-99	0	-99	-99	-99
1981.08.06	3:00:00	1	0.84	93	2.2	4	2	-99	-99	0	-99	0	-99	-99	-99
1981.08.13	1:00:00	1	0.89	92	2.8	4	26	-99	-99	0	-99	0	-99	-99	-99
1981.08.14	6:00:00	1	0.89	92	2.2	4	25	-99	-99	0	-99	0	-99	-99	-99

1981.08.15	22:00:00	1	0.9	92	14.5	4	14	-99	-99	0	-99	0	-99	-99	-99
1981.08.16	21:00:00	1	0.89	76	1.6	4	5	-99	-99	0	-99	0	-99	-99	-99
1981.10.23	18:00:00	1	0.88	76	1.5	2	7	-99	-99	0	-99	0	-99	-99	-99
1981.10.30	14:00:00	1	0.83	76	3	4	31	-99	-99	0	-99	0	-99	-99	-99
1981.11.01	7:00:00	1	0.82	76	2.9	4	15	-99	-99	0	-99	0	-99	-99	-99
1981.11.08	20:00:00	1	0.76	77	5.6	4	45	-99	-99	0	-99	0	-99	-99	-99
1981.11.15	13:00:00	1	0.69	79	7.7	4	26	-99	-99	0	-99	0	-99	-99	-99
1981.11.16	19:00:00	1	0.67	80	6.8	4	11	-99	-99	0	-99	0	-99	-99	-99
1981.11.21	3:00:00	1	0.62	83	3.8	4	4	-99	-99	0	-99	0	-99	-99	-99
1981.11.21	16:00:00	1	0.62	83	3.1	4	4	-99	-99	0	-99	0	-99	-99	-99
1981.11.24	14:00:00	1	0.58	86	5.3	3	12	-99	-99	0	-99	0	-99	-99	-99
1981.12.04	14:00:00	1	0.45	102	2.9	4	10	-99	-99	0	-99	0	-99	-99	-99
1981.12.06	1:00:00	1	0.43	107	4.9	4	34	-99	-99	0	-99	0	-99	-99	-99
1981.12.07	18:00:00	1	0.43	110	5.8	4	9	-99	-99	0	-99	0	-99	-99	-99
1981.12.10	8:00:00	1	0.39	121	13.9	3	42	-99	-99	0	-99	0	-99	-99	-99
1981.12.13	15:00:00	1	0.36	134	2.2	4	6	-99	-99	0	-99	0	-99	-99	-99
1981.12.17	6:00:00	1	0.33	156	2.9	4	23	-99	-99	0	-99	0	-99	-99	-99
1981.12.20	2:00:00	1	0.33	174	2.9	4	4	-99	-99	0	-99	0	-99	-99	-99
1981.12.20	20:00:00	1	0.33	180	5.9	4	8	-99	-99	0	-99	0	-99	-99	-99
1981.12.22	23:00:00	1	0.34	-175	10.9	4	11	-99	-99	0	-99	0	-99	-99	-99
1981.12.24	15:00:00	1	0.35	-164	2.9	4	8	-99	-99	0	-99	0	-99	-99	-99
1981.12.26	11:00:00	1	0.36	-153	3.5	4	6	-99	-99	0	-99	0	-99	-99	-99
1981.12.28	9:00:00	1	0.38	-144	2	3	3	-99	-99	0	-99	0	-99	-99	-99
1982.01.02	17:00:00	1	0.44	-127	2	4	8	-99	-99	0	-99	0	-99	-99	-99
1982.01.07	10:00:00	1	0.51	-116	2	4	16	-99	-99	0	-99	0	-99	-99	-99
1982.01.11	10:00:00	1	0.56	-110	4	4	30	-99	-99	0	-99	0	-99	-99	-99
1982.01.13	6:00:00	1	0.58	-107	2.7	4	58	-99	-99	0	-99	0	-99	-99	-99
1982.01.16	23:00:00	1	0.62	-104	1.4	4	5	-99	-99	0	-99	0	-99	-99	-99
1982.01.21	16:00:00	1	0.68	-101	1.4	4	5	-99	-99	0	-99	0	-99	-99	-99
1982.01.25	18:00:00	1	0.72	-99	2.6	4	6	-99	-99	0	-99	0	-99	-99	-99
1982.01.27	4:00:00	1	0.74	-98	3.3	4	10	-99	-99	0	-99	0	-99	-99	-99
1982.01.30	15:00:00	1	0.76	-98	3.8	3	4	-99	-99	0	-99	0	-99	-99	-99
1982.02.02	19:00:00	1	0.78	-97	32.4	2	10	-99	-99	0	-99	0	-99	-99	-99
1982.02.03	8:00:00	1	0.79	-97	64.8	2	40	-99	-99	0	-99	0	-99	-99	-99
1982.02.04	11:00:00	1	0.8	-97	27.2	2	13	-99	-99	0	-99	0	-99	-99	-99
1982.02.05	5:00:00	1	0.81	-97	2.3	4	2	-99	-99	0	-99	0	-99	-99	-99
1982.02.05	23:00:00	1	0.81	-97	3.8	4	4	-99	-99	0	-99	0	-99	-99	-99
1982.02.15	23:00:00	1	0.88	-97	4.2	4	13	-99	-99	0	-99	0	-99	-99	-99
1982.04.28	2:00:00	1	0.88	-115	3	4	14	-99	-99	0	-99	0	-99	-99	-99
1982.05.04	13:00:00	1	0.84	-115	4	4	25	-99	-99	0	-99	0	-99	-99	-99
1982.05.06	7:00:00	1	0.83	-115	1.2	4	6	-99	-99	0	-99	0	-99	-99	-99
1982.05.07	16:00:00	1	0.82	-115	3	4	27	-99	-99	0	-99	0	-99	-99	-99
1982.05.09	16:00:00	1	0.8	-115	3	3	4	-99	-99	0	-99	0	-99	-99	-99
1982.05.14	13:00:00	1	0.76	-114	2.9	3	8	-99	-99	0	-99	0	-99	-99	-99
1982.05.16	18:00:00	1	0.75	-114	2.2	4	4	-99	-99	0	-99	0	-99	-99	-99

1982.05.18	0:00:00	1	0.73	-114	1.1	4	10	-99	-99	0	-99	0	-99	-99	-99
1982.05.19	0:00:00	1	0.72	-113	6	4	48	-99	-99	0	-99	0	-99	-99	-99
1982.05.24	17:00:00	1	0.67	-111	2.3	4	39	-99	-99	0	-99	0	-99	-99	-99
1982.05.28	17:00:00	1	0.62	-109	3.9	4	97	-99	-99	0	-99	0	-99	-99	-99
1982.06.08	18:00:00	1	0.48	-96	60.7	2	8	-99	-99	0	-99	0	-99	-99	-99
1982.06.09	20:00:00	1	0.47	-94	88.2	2	17	-99	-99	0	-99	0	-99	-99	-99
1982.06.11	18:00:00	1	0.44	-90	26.7	2	15	-99	-99	0	-99	0	-99	-99	-99
1982.06.15	17:00:00	1	0.39	-79	1.3	3	2	-99	-99	0	-99	0	-99	-99	-99
1982.06.16	21:00:00	1	0.38	-76	1.9	3	7	-99	-99	0	-99	0	-99	-99	-99
1982.06.18	13:00:00	1	0.35	-69	3.2	4	24	-99	-99	0	-99	0	-99	-99	-99
1982.06.20	5:00:00	1	0.33	-60	2.6	4	11	-99	-99	0	-99	0	-99	-99	-99
1982.06.24	3:00:00	1	0.3	-40	5.2	4	34	-99	-99	0	-99	0	-99	-99	-99
1982.06.30	4:00:00	1	0.29	-4	9.9	4	53	-99	-99	0	-99	0	-99	-99	-99
1982.07.09	11:00:00	1	0.37	39	3.1	3	5	-99	-99	0	-99	0	-99	-99	-99
1982.07.10	15:00:00	1	0.39	42	9	3	9	-99	-99	0	-99	0	-99	-99	-99
1982.07.11	14:00:00	1	0.4	45	15	2	7	-99	-99	0	-99	0	-99	-99	-99
1982.07.14	1:00:00	1	0.44	53	37.5	2	10	-99	-99	0	-99	0	-99	-99	-99
1982.07.14	14:00:00	1	0.44	53	67.7	2	25	-99	-99	0	-99	0	-99	-99	-99
1982.07.19	1:00:00	1	0.5	62	10.2	3	10	-99	-99	0	-99	0	-99	-99	-99
1982.07.20	17:00:00	1	0.53	65	5.6	4	3	-99	-99	0	-99	0	-99	-99	-99
1982.07.27	3:00:00	1	0.6	71	11.5	3	12	-99	-99	0	-99	0	-99	-99	-99
1982.07.31	21:00:00	1	0.66	74	5.6	4	33	-99	-99	0	-99	0	-99	-99	-99
1982.08.02	13:00:00	1	0.68	75	7.4	4	16	-99	-99	0	-99	0	-99	-99	-99
1982.08.04	11:00:00	1	0.7	76	3.9	3	9	-99	-99	0	-99	0	-99	-99	-99
1982.08.09	8:00:00	1	0.82	60	2.2	3	7	-99	-99	0	-99	0	-99	-99	-99
1982.11.25	2:00:00	1	0.74	62	3.8	3	6	-99	-99	0	-99	0	-99	-99	-99
1982.11.28	3:00:00	1	0.71	63	88.8	2	40	-99	-99	0	-99	0	-99	-99	-99
1982.12.02	5:00:00	1	0.67	64	25.3	2	24	-99	-99	0	-99	0	-99	-99	-99
1982.12.03	12:00:00	1	0.66	65	4	2	7	-99	-99	0	-99	0	-99	-99	-99
1982.12.04	16:00:00	1	0.65	66	10.2	2	15	-99	-99	0	-99	0	-99	-99	-99
1982.12.05	9:00:00	1	0.63	66	10.2	4	8	-99	-99	0	-99	0	-99	-99	-99
1982.12.08	13:00:00	1	0.61	69	96.7	1	13	-99	-99	0	-99	0	-99	-99	4.9
1982.12.22	9:00:00	1	0.43	94	2.8	4	15	-99	-99	0	-99	0	-99	-99	-99
1982.12.23	22:00:00	1	0.41	100	3.7	2	10	-99	-99	0	-99	0	-99	-99	-99
1983.01.02	14:00:00	1	0.33	144	21.1	2	65	-99	-99	0	-99	0	-99	-99	-99
1983.01.11	5:00:00	1	0.37	-166	12.1	2	32	-99	-99	0	-99	0	-99	-99	-99
1983.01.28	8:00:00	1	0.58	-123	11	4	16	-99	-99	0	-99	0	-99	-99	-99
1983.02.04	10:00:00	1	0.65	-117	18.2	2	25	-99	-99	0	-99	0	-99	-99	9.7
1983.06.24	11:00:00	1	0.47	-109	3.4	3	19	-99	-99	0	-99	0	-99	-99	-99
1983.06.27	19:00:00	1	0.43	-103	2.8	3	15	-99	-99	0	-99	0	-99	-99	-99
1983.07.10	22:00:00	1	0.3	-50	3.9	4	19	-99	-99	0	-99	0	-99	-99	-99
1983.07.19	22:00:00	1	0.32	2	4.7	4	19	-99	-99	0	-99	0	-99	-99	-99
1983.08.03	18:00:00	1	0.51	47	2.5	2	7	-99	-99	0	-99	0	-99	-99	-99
1983.08.04	20:00:00	1	0.52	48	3.3	3	18	-99	-99	0	-99	0	-99	-99	-99
1983.08.06	12:00:00	1	0.55	51	4.8	4	10	-99	-99	0	-99	0	-99	-99	-99

1984.01.02	4:00:00	1	0.5	65	6.1	4	10	-99	-99	0	-99	0	-99	-99	-99
1984.01.03	19:00:00	1	0.49	67	3.3	4	21	-99	-99	0	-99	0	-99	-99	-99
1984.01.05	12:00:00	1	0.46	72	2.8	4	48	-99	-99	0	-99	0	-99	-99	-99
1984.01.13	2:00:00	1	0.37	100	1.7	3	5	-99	-99	0	-99	0	-99	-99	-99
1984.01.16	4:00:00	1	0.34	115	4.8	4	17	-99	-99	0	-99	0	-99	-99	-99
1984.01.17	21:00:00	1	0.34	120	2.1	2	26	-99	-99	0	-99	0	-99	-99	-99
1984.01.21	20:00:00	1	0.33	144	1.6	2	11	-99	-99	0	-99	0	-99	-99	-99
1984.02.02	7:00:00	1	0.42	-160	2.8	1	2	-99	-99	0	-99	0	-99	-99	-99
1984.02.07	8:00:00	1	0.49	-148	11.9	2	47	-99	-99	0	-99	0	-99	-99	-99
1984.02.11	3:00:00	1	0.54	-142	2.3	3	7	-99	-99	0	-99	0	-99	-99	-99
1984.02.12	4:00:00	1	0.55	-140	3.5	4	46	-99	-99	0	-99	0	-99	-99	-99
1984.07.04	5:00:00	1	0.54	-132	2.2	3	36	-99	-99	0	-99	0	-99	-99	-99
1984.07.07	19:00:00	1	0.5	-128	6	3	48	-99	-99	0	-99	0	-99	-99	-99
1984.07.14	5:00:00	1	0.41	-113	2.2	2	14	-99	-99	0	-99	0	-99	-99	-99
1984.07.15	8:00:00	1	0.38	-107	2.2	2	41	-99	-99	0	-99	0	-99	-99	-99
1984.07.21	0:00:00	1	0.33	-88	2.2	4	16	-99	-99	0	-99	0	-99	-99	-99
1984.08.13	17:00:00	1	0.44	22	3.3	4	25	-99	-99	0	-99	0	-99	-99	-99
1985.01.16	6:00:00	1	0.49	51	3.1	3	12	-99	-99	0	-99	0	-99	-99	-99
1985.07.28	14:00:00	1	0.41	-129	2.4	4	11	-99	-99	0	-99	0	-99	-99	-99
1985.08.01	23:00:00	1	0.36	-112	2.4	4	12	-99	-99	0	-99	0	-99	-99	-99
1985.08.06	14:00:00	1	0.32	-94	2.3	3	8	-99	-99	0	-99	0	-99	-99	-99
1985.08.18	21:00:00	1	0.33	-26	1.4	2	28	-99	-99	0	-99	0	-99	-99	-99
1985.08.22	14:00:00	1	0.37	-9	0.9	4	6	-99	-99	0	-99	0	-99	-99	-99