

B. Solar Radio Emission
 B1. Daily Data at Hiraiso
 500 MHz

Hiraiso

July 2002

Single-frequency total flux observations at 500 MHz					
Flux density: $10^{-22} \text{ W m}^{-2} \text{ Hz}^{-1}$					
Date \ UT	00-03	03-06	06-09	21-24	Day
1	39	38	38	38	38
2	38	36	36	38	37
3	37	37	37	37	37
4	36	36	36	37	36
5	36	34	33	36	35
6	34	32	34	35	34
7	32	30	30	34	32
8	32	32	33	31	32
9	30	32	34	31	32
10	31	30	28	-	30
11	28	28	30	31	29
12	30	30	30	32	31
13	30	29	30	33	31
14	31	30	30	30	30
15	32	33	33	78*	33
16	33	33	31	34	32
17	32	33	34	37	34
18	35	34	35	38	36
19	37	35	34	39	36
20	36	35	37	37	36
21	37	37	38	38	38
22	36	36	35	37	36
23	37	36	40	42	39
24	41	40	38	39	40
25	41	40	38	38	39
26	37	37	37	43	39
27	43	42	42	45	43
28	45	46	48	45	46
29	46	47	47	46	46
30	48	48	48	43	47
31	41	40	43	39	41

Note: No data is available during the following periods.

10th 1925 - 11st 0020

A superscript * stands for being superposed on a burst.

B. Solar Radio Emission
B2.Outstanding Occurrences at Hiraiso

Hiraiso

July 2002

Single-frequency observations								
Normal observing period: 1930 - 0955 U.T. (sunrise to sunset)								
JUL. 2002	FREQ. (MHz)	TYPE	START TIME (U.T.)	TIME OF MAXIMUM (U.T.)	DUR. (MIN.)	FLUX DENSITY (10^{-22} W m ⁻² Hz ⁻¹)		POLARIZATION
						PEAK	MEAN	REMARKS
2	200	8 S	2308.0	2308.0	1.0	15	-	0
3	500	8 S	0132.0	0132.0	2.0	35	-	WR
3	2800	3 S	0210.0	0212.0	9.0	175	-	0
3	500	8 S	0631.0	0631.0	1.0	15	-	WR
3	2800	3 S	2010.0	2012.0	5.0	220	-	0
3	200	47 GB	2207.0	2207.0	1.0	2405	-	0
3	200	8 S	2233.0	2234.0	1.0	75	-	0
4	200	8 S	0017.0	0017.0	1.0	25	-	0
4	200	8 S	0224.0	0224.0	1.0	70	-	0
4	200	8 S	0341.0	0343.0	2.0	20	-	0
4	2800	1 S	0454.0	0456.0	4.0	20	-	0
4	200	7 C	0454.0	0455.0	3.0	35	-	0
4	2800	1 S	0731.0	0732.0	4.0	30	-	0
4	200	8 S	0732.0	0732.0	1.0	180	-	0
4	500	8 S	2116.0	2117.0	1.0	30	-	0
4	200	8 S	2325.0	2325.0	1.0	10	-	0
5	200	8 S	0410.0	0411.0	1.0	50	-	0
5	200	8 S	0620.0	0621.0	1.0	15	-	0
8	200	7 C	0049.0	0051.0	3.0	90	-	0
8	200	8 S	0734.0	0734.0	1.0	15	-	0
8	200	8 S	0809.0	0810.0	1.0	15	-	0
8	200	8 S	2318.0	2319.0	1.0	30	-	0
9	200	8 S	0059.0	0101.0	2.0	70	-	0
9	200	8 S	0231.0	0231.0	1.0	15	-	0
9	200	7 C	0402.0	0403.0	5.0	45	-	0
12	2800	7 C	2357.0	0001.0	6.0	65	-	0
12	500	8 S	2359.0	0000.0	2.0	75	-	0
13	200	8 S	0007.0	0008.0	1.0	30	-	0
13	500	8 S	0008.0	0008.0	1.0	10	-	0
13	2800	8 S	0047.0	0047.0	1.0	30	-	0
13	200	8 S	0623.0	0623.0	1.0	10	-	WL
14	200	8 S	0508.0	0509.0	1.0	25	-	0
14	2800	1 S	0514.0	0517.0	4.0	20	-	0
14	200	8 S	0515.0	0517.0	3.0	490	-	0
14	500	8 S	0517.0	0517.0	1.0	155	-	0
14	200	8 S	0700.0	0700.0	1.0	15	-	MR
15	2800	47 GB	2003.0	2143.0	120.0	535	-	0
15	500	7 C	2003.0	2113.0	105.0	380	-	ML
15	200	47 GB	2003.0	2004.0	12.0	3665	-	0
15	200	47 GB	2115.0	2122.0	21.0	1560	-	0
16	2800	3 S	0639.0	0641.0	6.0	115	-	0
16	200	8 S	0639.0	0639.0	1.0	40	-	MR
17	2800	47 GB	0700.0	0703.0	16.0	635	-	0
17	500	7 C	0700.0	0712.0	16.0	255	-	WL
17	500	8 S	0721.0	0721.0	1.0	25	-	0
17	500	4 S/F	2139.0	2140.0	3.0	60	-	WL
17	200	8 S	2139.0	2140.0	3.0	90	-	WL

B. Solar Radio Emission
B2.Outstanding Occurrences at Hiraiso

Hiraiso

July 2002

Single-frequency observations								
Normal observing period: 1930 - 0955 U.T. (sunrise to sunset)								
JUL. 2002	FREQ. (MHz)	TYPE	START TIME (U.T.)	TIME OF MAXIMUM (U.T.)	DUR. (MIN.)	FLUX DENSITY ($10^{-22} \text{ W m}^{-2} \text{ Hz}^{-1}$)		POLARIZATION REMARKS
						PEAK	MEAN	
18	2800	3 S	0332.0	0333.0	6.0	210	-	0
18	200	8 S	0339.0	0339.0	1.0	80	-	WL
18	500	8 S	0430.0	0430.0	1.0	25	-	0
18	200	8 S	0444.0	0444.0	1.0	75	-	ML
18	500	7 C	0513.0	0515.0	4.0	60	-	WR
18	500	7 C	0549.0	0549.0	13.0	100	-	WR
18	500	7 C	0646.0	0647.0	6.0	45	-	WL
18	200	7 C	0646.0	0646.0	5.0	60	-	0
18	500	47 GB	0740.0	0743.0	18.0	1990	-	ML
18	2800	47 GB	0741.0	0743.0	11.0	600	-	0
18	500	7 C	2010.0	2039.0	37.0	165	-	0
18	500	47 GB	2213.0	2213.0	1.0	575	-	0
18	500	42 SER	2253.0	2254.0	15.0	150	-	ML
18	2800	4 S/F	2313.0	2315.0	4.0	40	-	0
19	500	8 S	0505.0	0506.0	4.0	230	-	
19	500	7 C	0549.0	0552.0	3.0	40	-	
19	500	8 S	0838.0	0839.0	1.0	40	-	
19	200	8 S	2015.0	2016.0	4.0	105	-	0
19	500	8 S	2212.0	2212.0	1.0	35	-	0
20	200	8 S	0023.0	0023.0	1.0	25	-	0
20	500	8 S	0054.0	0054.0	1.0	10	-	0
20	2800	47 GB	2104.0	2130.0	50.0	2340	-	0
20	500	7 C	2104.0	2128.0	54.0	295	-	0
20	200	47 GB	2106.0	2116.0	30.0	6035	-	0
20	200	8 S	2329.0	2329.0	1.0	40	-	0
21	200	8 S	0305.0	0306.0	2.0	205	-	MR
21	500	8 S	0434.0	0434.0	1.0	195	-	0
21	200	8 S	0442.0	0442.0	1.0	75	-	0
21	200	8 S	0449.0	0449.0	1.0	260	-	0
21	200	8 S	0730.0	0731.0	2.0	30	-	WR
21	200	8 S	0811.0	0811.0	3.0	80	-	0
23	2800	47 GB	0020.0	0030.0	60.0	1735	-	0
23	500	47 GB	0024.0	0030.0	53.0	950	-	0
23	200	47 GB	0026.0	0029.0	52.0	4580	-	0
23	2800	3 S	0129.0	0132.0	12.0	405	-	0
23	500	4 S/F	0131.0	0131.0	4.0	30	-	0
23	200	8 S	0900.0	0901.0	1.0	35	-	0
24	200	7 C	2234.0	2236.0	5.0	95	-	0
24	500	4 S/F	2235.0	2238.0	4.0	10	-	0
25	200	7 C	0356.0	0358.0	4.0	70	-	0
25	200	8 S	2009.0	2009.0	1.0	40	-	WR
25	2800	1 S	2305.0	2307.0	4.0	20	-	0
26	2800	3 S	0006.0	0008.0	7.0	260	-	0
26	200	8 S	0047.0	0047.0	1.0	65	-	0
26	200	8 S	0759.0	0759.0	1.0	10	-	0
26	2800	7 C	2051.0	2108.0	27.0	130	-	
26	500	7 C	2052.0	2127.0	49.0	445	-	0

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						PEAK	MEAN	
26	2800	47 GB	2201.0	2209.0	14.0	825	-	
26	500	47 GB	2201.0	2208.0	151.0	3390	-	MR
26	200	47 GB	2201.0	2208.0	26.0	1155	-	0
27	200	7 C	0102.0	0104.0	4.0	65	-	0
27	500	8 S	0146.0	0147.0	1.0	160	-	MR
27	500	8 S	0300.0	0300.0	1.0	40	-	WR
27	500	8 S	0727.0	0727.0	1.0	85	-	WR
27	500	8 S	2110.0	2110.0	1.0	25	-	0
27	200	8 S	2110.0	2110.0	1.0	10	-	0
28	500	7 C	0018.0	0021.0	6.0	35	-	WR
28	500	4 S/F	0112.0	0113.0	4.0	70	-	WR
28	200	8 S	0112.0	0112.0	2.0	75	-	0
28	500	8 S	0248.0	0248.0	1.0	35	-	WR
28	500	8 S	0543.0	0544.0	1.0	45	-	WR
28	200	7 C	0613.0	0615.0	4.0	30	-	0
29	2800	1 S	0020.0	0022.0	3.0	70	-	0
29	200	8 S	0027.0	0027.0	1.0	65	-	WL
29	2800	3 S	0231.0	0236.0	13.0	375	-	0
29	500	47 GB	0233.0	0237.0	9.0	820	-	MR
29	200	47 GB	0235.0	0236.0	7.0	630	-	ML
29	500	8 S	2045.0	2045.0	1.0	25	-	0
31	2800	1 S	0140.0	0149.0	12.0	55	-	
31	500	1 S	0146.0	0149.0	5.0	15	-	
31	200	8 S	0209.0	0210.0	3.0	80	-	
31	500	42 SER	0721.0	0724.0	7.0	30	-	
31	500	8 S	0850.0	0850.0	1.0	110	-	
31	500	8 S	2104.0	2104.0	1.0	15	-	0
31	200	8 S	2104.0	2104.0	1.0	110	-	0
31	500	8 S	2117.0	2117.0	1.0	65	-	0
31	200	8 S	2137.0	2137.0	1.0	10	-	0
31	2800	4 S/F	2342.0	2344.0	5.0	70	-	
31	500	7 C	2342.0	2344.0	3.0	35	-	0
31	200	8 S	2343.0	2343.0	1.0	60	-	0
31	2800	1 S	2354.0	2355.0	3.0	30	-	

