

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

Hiraiso

April 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	52	49	48	60	52
2	54	47	46	56	51
3	52	48	46	53	50
4	52	51	54	57	53
5	52	50	50	52	51
6	49	47	48	49	48
7	52	53	47	49	50
8	50	47	47	48	48
9	54	54	52	52	53
10	52	50	50	58	53
11	53	48	45	45	48
12	48	52	56	60	54
13	52	49	47	55	51
14	50	47	46	73	55
15	80	62	48	61	62
16	54	56	49	52	53
17	50	48	48	53	50
18	51	47	48	52	50
19	49	46	46	52	48
20	48	47	46	47	47
21	174 [*]	48	44	47	46
22	44	42	41	47	44
23	46	43	43	48	45
24	46	43	42	43	44
25	43	44	45	49	45
26	48	47	46	50	48
27	50	51	49	54	51
28	51	47	46	-	48
29	-	-	-	-	-
30	41	-	40	45	42
31					

Note: No data is available during the following periods.
 28th 2040 - 30th 0015 30th 0315 - 30th 0600
 A superscript * stands for being superposed on a burst.

B. Solar Radio Emission
B2.Outstanding Occurrences at Hiraiso

Hiraiso

April 2002

Single-frequency observations								
Normal observing period: 2005 - 0915 U.T. (sunrise to sunset)								
APR. 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	0055.0	0055.0	1.0	25	-	0
2	200	8 S	0222.0	0223.0	1.0	20	-	WR
2	200	8 S	2255.0	2255.0	1.0	15	-	0
2	200	8 S	2305.0	2305.0	1.0	15	-	0
3	200	42 SER	0101.0	0104.0	5.0	15	-	0
3	200	8 S	0212.0	0212.0	1.0	30	-	0
3	200	8 S	0315.0	0316.0	1.0	30	-	0
3	200	8 S	0402.0	0402.0	1.0	15	-	0
3	200	8 S	0412.0	0412.0	1.0	15	-	0
3	200	8 S	0424.0	0424.0	1.0	20	-	0
3	200	8 S	2024.0	2025.0	1.0	65	-	0
3	200	8 S	2315.0	2315.0	1.0	70	-	0
4	500	4 S/F	0651.0	0655.0	6.0	15	-	0
4	200	8 S	0651.0	0651.0	1.0	35	-	0
4	200	47 GB	0809.0	0809.0	1.0	755	-	0
4	200	42 SER	2303.0	2305.0	9.0	20	-	0
5	200	8 S	0559.0	0559.0	1.0	200	-	0
5	200	8 S	0630.0	0631.0	1.0	380	-	0
5	200	47 GB	0723.0	0725.0	6.0	575	-	WR
5	200	8 S	2248.0	2248.0	1.0	70	-	0
6	200	8 S	0618.0	0618.0	1.0	95	-	0
7	200	8 S	0003.0	0003.0	1.0	20	-	0
7	200	8 S	0159.0	0200.0	2.0	30	-	WR
7	200	8 S	2335.0	2335.0	1.0	15	-	0
8	200	8 S	0020.0	0020.0	1.0	105	-	0
8	200	8 S	0035.0	0035.0	1.0	35	-	0
8	500	8 S	0131.0	0131.0	1.0	25	-	0
8	200	8 S	0131.0	0131.0	1.0	190	-	0
8	500	8 S	0301.0	0302.0	3.0	215	-	0
8	200	8 S	0302.0	0302.0	1.0	20	-	0
8	500	8 S	0357.0	0358.0	1.0	465	-	0
8	500	8 S	0452.0	0452.0	1.0	415	-	0
8	200	8 S	0521.0	0521.0	1.0	10	-	0
8	500	7 C	0533.0	0534.0	2.0	45	-	0
8	200	8 S	0549.0	0549.0	1.0	20	-	0
8	200	8 S	0559.0	0559.0	1.0	15	-	0
8	200	8 S	2127.0	2127.0	1.0	10	-	0
8	500	4 S/F	2319.0	2321.0	3.0	45	-	0
9	2800	3 S	0039.0	0040.0	8.0	255	-	0
9	500	47 GB	0039.0	0041.0	13.0	785	-	0
9	200	47 GB	0039.0	0046.0	12.0	1135	-	0
9	200	8 S	0539.0	0539.0	1.0	345	-	0
9	500	8 S	0641.0	0642.0	1.0	35	-	0
9	200	8 S	0641.0	0642.0	1.0	15	-	0
9	2800	1 S	0727.0	0731.0	8.0	30	-	0
9	500	7 C	2325.0	2331.0	8.0	25	-	0
10	2800	7 C	0043.0	0100.0	19.0	150	-	0

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APR. 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 REMARKS
						PEAK	MEAN	
10	500	7 C	0044.0	0056.0	19.0	20	-	0
10	500	4 S/F	0423.0	0424.0	5.0	40	-	0
10	2800	1 S	0424.0	0425.0	4.0	35	-	0
10	2800	3 S	0148.0	0150.0	8.0	80	-	0
10	2800	8 S	0305.0	0306.0	2.0	65	-	0
10	500	8 S	0305.0	0306.0	2.0	10	-	0
10	200	8 S	0305.0	0306.0	2.0	190	-	0
11	200	8 S	2300.0	2301.0	1.0	20	-	0
12	2800	3 S	0448.0	0454.0	14.0	125	-	0
12	500	7 C	0448.0	0454.0	32.0	170	-	0
12	200	42 SER	0448.0	0448.0	8.0	25	-	0
12	200	21 GRF	0448.0	0609.0	127.0	40	-	0
12	500	8 S	0558.0	0558.0	1.0	30	-	0
13	500	8 S	2132.0	2132.0	1.0	30	-	0
13	500	8 S	2135.0	2135.0	1.0	25	-	0
13	200	8 S	2213.0	2213.0	1.0	200	-	0
14	2800	3 S	0449.0	0451.0	4.0	55	-	0
14	2800	3 S	0536.0	0537.0	3.0	45	-	0
14	500	8 S	0536.0	0536.0	1.0	25	-	0
14	200	8 S	0728.0	0728.0	1.0	360	-	0
14	200	8 S	0735.0	0735.0	2.0	285	-	0
14	500	8 S	2312.0	2312.0	1.0	40	-	0
15	2800	7 C	0000.0	0011.0	16.0	55	-	0
15	500	7 C	0255.0	0331.0	60.0	245	-	0
15	200	8 S	0325.0	0326.0	1.0	50	-	0
15	2800	1 S	2309.0	2312.0	7.0	30	-	0
16	200	8 S	0114.0	0115.0	2.0	25	-	0
16	200	8 S	0214.0	0214.0	1.0	255	-	WL
16	200	8 S	0336.0	0336.0	1.0	200	-	WL
17	200	8 S	0126.0	0126.0	1.0	25	-	ML
17	200	8 S	0151.0	0151.0	1.0	120	-	WL
17	500	8 S	0655.0	0655.0	1.0	25	-	0
17	2800	47 GB	0744.0	////./	./	///	-	0
17	500	47 GB	0753.0	////./	./	///	-	ML
17	200	47 GB	0758.0	////./	./	///	-	ML
17	200	47 GB	2010.0	2010.0	1.0	635	-	0
18	200	8 S	0101.0	0101.0	1.0	115	-	0
18	500	8 S	0109.0	0109.0	1.0	40	-	0
18	200	8 S	0143.0	0145.0	3.0	100	-	WR
18	200	8 S	0505.0	0505.0	1.0	155	-	0
19	500	8 S	0700.0	0700.0	4.0	25	-	0
19	200	8 S	0700.0	0700.0	5.0	60	-	0
20	200	8 S	2311.0	2311.0	1.0	10	-	0
21	2800	47 GB	0044.0	0131.0	178.0	1960	-	0
21	200	7 C	0102.0	0131.0	123.0	185	-	0
21	500	47 GB	0106.0	0212.0	160.0	2690	-	WL
21	200	8 S	2040.0	2040.0	1.0	35	-	0

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						PEAK	MEAN	
21	200	8 S	2211.0	2212.0	1.0	30	-	0
22	200	8 S	0039.0	0039.0	1.0	30	-	0
22	200	7 C	0515.0	0517.0	9.0	230	-	0
22	500	8 S	0517.0	0518.0	2.0	185	-	0
22	200	8 S	0543.0	0544.0	1.0	30	-	0
22	2800	3 S	0545.0	0546.0	4.0	90	-	0
22	200	8 S	0611.0	0611.0	1.0	10	-	0
22	200	8 S	0714.0	0714.0	1.0	15	-	0
22	200	7 C	0738.0	0740.0	4.0	110	-	0
23	200	8 S	0807.0	0807.0	1.0	180	-	0
24	500	4 S/F	0730.0	0730.0	5.0	25	-	0
24	200	7 C	0730.0	0732.0	7.0	40	-	0
25	2800	1 S	0555.0	0556.0	2.0	20	-	0
25	500	4 S/F	0555.0	0556.0	3.0	80	-	WL
25	200	47 GB	0555.0	0555.0	3.0	555	-	0
28	200	8 S	0541.0	0542.0	1.0	30	-	0
30	500	7 C	0647.0	0651.0	7.0	20	-	0
30	200	7 C	0648.0	0648.0	4.0	30	-	WL

