

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

Hiraiso

August 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	47	49	44	38	44
2	37	39	41	39	39
3	39	39	39	37	39
4	35	32	36	34	34
5	32	31	31	33	32
6	31	30	31	37	32
7	39	33	33	-	35
8	-	-	-	-	-
9	-	-	-	-	-
10	-	-	-	-	-
11	-	-	-	-	-
12	37	36	36	36	36
13	35	34	34	38	35
14	36	37	38	39	37
15	38	36	36	38	37
16	38	38	39	48	41
17	38	36	35	33	36
18	36	36	37	38	37
19	39	39	37	39	39
20	38	37	37	40	38
21	39	39	39	45	41
22	47	47	47	71	53
23	47	45	46	44	45
24	44	41	42	45	43
25	40	44	41	41	41
26	41	42	42	37	40
27	36	34	35	34	35
28	33	32	33	33	33
29	32	33	34	34	33
30	33	32	32	35	33
31	37	35	34	36	36

Note: No data is available during the following periods.

7th 1950 - 12nd 0100

A superscript \* stands for being superposed on a burst.

B. Solar Radio Emission  
B2.Outstanding Occurrences at Hiraiso

Hiraiso

August 2002

Single-frequency observations								
Normal observing period: 1955 - 0930 U.T. (sunrise to sunset)								
AUG. 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
						PEAK	MEAN	REMARKS
1	2800	8 S	23270	23230	1.0	35	-	
2	2800	1 S	06190	06200	4.0	35	-	
2	200	8 S	06520	06520	1.0	350	-	0
2	500	8 S	09080	09100	3.0	215	-	ML
3	500	8 S	00380	00390	2.0	30	-	WR
3	500	7 C	05220	05240	9.0	15	-	0
3	500	8 S	21470	21480	2.0	20	-	0
3	500	7 C	22290	22310	4.0	15	-	0
4	500	4 S/F	04440	04460	4.0	20	-	0
4	200	47 GB	09090	09130	7.0	550	-	0
4	200	8 S	20500	20520	1.0	50	-	0
5	2800	4 S/F	21150	21190	5.0	55	-	0
6	2800	4 S/F	01370	01390	4.0	40	-	0
6	500	8 S	03430	03430	1.0	280	-	0
6	500	8 S	05100	05100	1.0	20	-	0
6	2800	4 S/F	05150	05160	4.0	40	-	0
6	500	8 S	07510	07510	1.0	425	-	0
7	500	8 S	06360	06360	1.0	15	-	0
7	500	7 C	07120	07140	5.0	35	-	0
12	200	8 S	07520	07520	1.0	15	-	WR
12	200	8 S	22190	22190	1.0	20	-	0
13	200	8 S	01060	01060	1.0	20	-	0
13	200	8 S	07130	07130	2.0	135	-	0
13	200	8 S	07190	07190	1.0	75	-	0
13	200	8 S	07470	07470	1.0	35	-	0
14	2800	7 C	01430	02030	41.0	120	-	0
14	500	7 C	01450	02030	60.0	65	-	0
14	500	8 S	06220	06220	1.0	220	-	0
14	500	8 S	08390	08390	1.0	145	-	0
15	500	42 SER	01110	01110	6.0	70	-	0
15	500	8 S	01430	01430	1.0	205	-	0
15	500	8 S	02420	02420	1.0	15	-	0
15	2800	3 S	06030	06050	6.0	155	-	0
16	500	4 S/F	05470	05510	19.0	35	-	
16	2800	21 GRF	05480	05560	52.0	55	-	0
16	500	7 C	06140	06290	36.0	55	-	
16	2800	1 S	07200	07220	18.0	30	-	
16	200	8 S	08350	08350	1.0	20	-	
17	200	8 S	06380	06390	1.0	25	-	0
17	200	8 S	23230	23230	1.0	70	-	0
18	500	8 S	00060	00060	1.0	50	-	0
18	500	8 S	01430	01430	1.0	415	-	0
18	500	8 S	01550	01550	1.0	145	-	0
18	500	47 GB	03280	03310	11.0	1125	-	0
18	200	7 C	03280	03300	5.0	190	-	0
18	500	8 S	03420	03420	1.0	80	-	0
18	200	8 S	03420	03420	1.0	65	-	0

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B2.Outstanding Occurrences at Hiraiso

Hiraiso

August 2002

Single-frequency observations								
Normal observing period: 1955 - 0930 U.T. (sunrise to sunset)								
AUG. 2002	FREQ. (MHz)	TYPE	START TIME (U.T.)	TIME OF MAXIMUM (U.T.)	DUR. (MIN.)	FLUX DENSITY ( $10^{-22}$ W m <sup>-2</sup> Hz <sup>-1</sup> )		POLARIZATION
						PEAK	MEAN	REMARKS
18	500	8 S	06340	06340	1.0	170	-	0
18	200	8 S	06340	06340	1.0	15	-	0
18	200	8 S	08360	08360	1.0	120	-	0
18	2800	47 GB	21130	21210	17.0	645	-	0
18	500	7 C	21130	21170	16.0	220	-	0
18	500	7 C	21440	21470	7.0	155	-	0
18	200	8 S	22000	22000	1.0	100	-	0
18	500	8 S	23110	23110	1.0	1595	-	0
18	200	8 S	23110	23110	1.0	185	-	ML
18	200	8 S	23150	23150	1.0	45	-	WL
19	500	8 S	05180	05180	1.0	60	-	WR
19	500	8 S	05250	05250	1.0	65	-	0
19	500	42 SER	21010	21010	3.0	25	-	0
19	200	42 SER	21010	21040	5.0	85	-	0
19	200	8 S	22560	22570	1.0	320	-	0
19	200	8 S	23000	23000	2.0	325	-	0
19	200	8 S	23480	23480	1.0	60	-	0
20	500	47 GB	01370	01390	6.0	1280	-	0
20	200	47 GB	01370	01390	10.0	2715	-	0
20	500	7 C	02050	02100	8.0	60	-	0
20	200	7 C	02060	02100	5.0	50	-	0
20	2800	3 S	02080	02090	5.0	115	-	0
20	200	7 C	02580	02580	14.0	150	-	0
20	200	8 S	05100	05100	1.0	60	-	WR
20	200	8 S	05230	05230	2.0	45	-	WR
20	200	7 C	05360	05360	17.0	90	-	0
20	200	7 C	06380	06410	4.0	155	-	0
20	200	7 C	07070	07110	5.0	70	-	0
20	200	7 C	07550	07570	18.0	120	-	WR
20	2800	8 S	08250	08260	2.0	170	-	WL
20	500	8 S	08250	08260	3.0	40	-	0
20	200	8 S	08250	08260	2.0	205	-	WR
20	200	8 S	08450	08450	1.0	30	-	MR
20	500	8 S	08470	08490	5.0	25	-	0
20	500	7 C	21110	21120	3.0	50	-	0
20	200	8 S	21170	21190	2.0	140	-	0
20	200	8 S	23100	23100	1.0	105	-	0
20	500	8 S	23150	23150	1.0	35	-	0
21	200	47 GB	01380	01390	4.0	645	-	0
21	2800	3 S	01390	01390	3.0	160	-	WL
21	500	4 S/F	01390	01390	6.0	295	-	0
21	200	8 S	01540	01540	1.0	70	-	0
21	500	8 S	03580	03590	1.0	70	-	0
21	500	8 S	04480	04480	1.0	35	-	0
21	200	8 S	04480	04480	1.0	25	-	0
21	2800	3 S	05310	05320	7.0	490	-	0
21	500	7 C	05320	05330	4.0	390	-	0

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AUG. 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
						PEAK	MEAN	REMARKS
21	200	47 GB	05320	05320	1.0	1145	-	0
21	200	8 S	06050	06050	1.0	15	-	0
21	200	8 S	06320	06320	1.0	30	-	WR
21	500	8 S	07520	07520	1.0	240	-	0
21	500	8 S	08130	08130	1.0	40	-	0
21	500	8 S	08210	08210	1.0	65	-	0
22	2800	7 C	01490	01520	17.0	285	-	0
22	500	7 C	01500	01540	8.0	90	-	0
22	200	8 S	01530	01540	2.0	60	-	0
22	500	8 S	04080	04100	2.0	20	-	0
22	500	8 S	05070	05080	1.0	30	-	0
23	2800	7 C	05410	05490	10.0	60	-	0
23	500	7 C	05410	05420	12.0	145	-	0
23	200	8 S	07300	07310	1.0	205	-	0
23	500	7 C	07570	08070	54.0	50	-	0
23	2800	7 C	08020	08460	46.0	90	-	0
23	200	8 S	08330	08330	1.0	320	-	0
23	200	8 S	08540	08540	1.0	50	-	0
23	200	8 S	09020	09020	1.0	150	-	0
24	2800	47 GB	00480	01140	73.0	875	-	0
24	500	47 GB	00530	01050	26.0	750	-	0
24	200	7 C	00590	01060	15.0	160	-	0
24	2800	7 C	05360	05460	14.0	80	-	0
24	500	7 C	05390	05470	33.0	55	-	0
24	200	7 C	05400	06000	79.0	90	-	WL
24	200	8 S	23380	23390	2.0	85	-	0
25	500	7 C	03170	03190	4.0	35	-	0
25	200	7 C	03330	03360	4.0	25	-	0
25	200	8 S	04470	04480	1.0	140	-	WL
25	500	8 S	22450	22450	1.0	85	-	0
25	2800	1 S	22480	22520	5.0	30	-	0
25	200	47 GB	22500	22520	6.0	930	-	0
25	500	4 S/F	22510	22520	5.0	40	-	0
25	2800	1 S	23420	23470	10.0	35	-	0
25	500	7 C	23470	23530	56.0	40	-	0
26	500	8 S	02350	02350	1.0	65	-	0
26	500	8 S	07560	07560	1.0	375	-	0
27	200	8 S	07470	07470	1.0	65	-	0
27	200	8 S	09040	09040	1.0	125	-	WL
28	200	8 S	07250	07260	1.0	35	-	0
28	2800	3 S	21420	21440	7.0	190	-	0
28	500	3 S	21420	21430	6.0	25	-	0
28	200	8 S	21420	21430	2.0	150	-	0
29	2800	7 C	02140	02160	4.0	40	-	0
29	500	8 S	02160	02160	1.0	20	-	0
29	200	8 S	02160	02160	1.0	25	-	0
29	2800	7 C	02470	02520	10.0	115	-	0

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AUG.	FREQ.	TYPE	START TIME	TIME OF MAXIMUM	DUR.	FLUX DENSITY		POLARIZATION
						(10 <sup>-22</sup> W m <sup>-2</sup> Hz <sup>-1</sup> )		
2002	(MHz)		(U.T.)	(U.T.)	(MIN.)	PEAK	MEAN	REMARKS
29	200	8 S	02480	02480	1.0	35	-	
29	500	8 S	02500	02510	2.0	420	-	
29	200	8 S	03060	03060	1.0	20	-	
29	200	8 S	04090	04090	1.0	70	-	
29	500	4 S/F	04450	04470	9.0	30	-	
29	2800	7 C	05120	05130	11.0	30	-	
29	500	8 S	05130	05130	1.0	10	-	
29	500	1 S	05460	05490	6.0	10	-	
29	200	8 S	07070	07070	1.0	70	-	
29	200	8 S	07120	07120	1.0	30	-	
29	500	7 C	07130	07180	8.0	20	-	
29	500	8 S	22230	22230	1.0	60	-	0
29	200	8 S	22230	22230	1.0	190	-	0
30	2800	1 S	02400	02400	2.0	30	-	0
30	200	8 S	04500	04500	1.0	20	-	0
30	500	8 S	04560	04590	3.0	80	-	0
30	500	8 S	23280	23280	1.0	20	-	0
30	200	8 S	23280	23280	1.0	20	-	0
31	500	8 S	00040	00050	2.0	30	-	0
31	2800	4 S/F	03350	03440	12.0	85	-	0
31	500	8 S	22350	22350	1.0	190	-	0
31	500	8 S	23110	23110	1.0	380	-	0
31	200	8 S	23150	23150	1.0	275	-	0

