

EVENTLIST OF THE NOBEYAMA RADIOHELIOGRAPH  
OBSERVATION FREQUENCY = 17GHz ,34GHz

| №            | DAY      | START    | END       | MAX.TIME | DUR. | PEAK | MEAN | STD.DEV | TH_U/L |
|--------------|----------|----------|-----------|----------|------|------|------|---------|--------|
| JANUARY 1999 |          |          |           |          |      |      |      |         |        |
| 1            | 99/01/01 | 00:24:42 | 00:53:07  | 00:27:09 | 1705 | 218  | 18.3 | 0.7     | 23/ 20 |
| 2            | 99/01/01 | 01:04:56 | 01:05:11  | 01:04:57 | 15   | 22   | 18.3 | 0.7     | 23/ 20 |
| 3            | 99/01/01 | 01:09:24 | 01:10:23  | 01:09:28 | 59   | 41   | 18.3 | 0.7     | 23/ 20 |
| 4            | 99/01/02 | 03:28:28 | 03:32:36  | 03:29:57 | 248  | 28   | 22.8 | 1.2     | 28/ 25 |
| 5            | 99/01/03 | 00:35:12 | 00:35:31  | 00:35:13 | 19   | 36   | 19.0 | 0.8     | 23/ 20 |
| 6            | 99/01/03 | 04:50:49 | 04:52:03  | 04:51:03 | 74   | 38   | 19.0 | 0.8     | 23/ 20 |
| 7            | 99/01/03 | 05:26:09 | 05:28:58  | 05:26:46 | 169  | 25   | 19.0 | 0.8     | 23/ 20 |
| 8            | 99/01/04 | 00:17:55 | 00:18:03  | 00:17:57 | 8    | 35   | 18.7 | 0.8     | 23/ 20 |
| 9            | 99/01/04 | 01:26:38 | 01:27:02  | 01:26:42 | 24   | 46   | 18.7 | 0.8     | 23/ 20 |
| 10           | 99/01/04 | 02:52:11 | 02:52:22  | 02:52:12 | 11   | 41   | 18.7 | 0.8     | 23/ 20 |
| 11           | 99/01/04 | 02:58:33 | 02:59:35  | 02:58:54 | 62   | 26   | 18.7 | 0.8     | 23/ 20 |
| 12           | 99/01/04 | 04:30:13 | 04:30:50  | 04:30:14 | 37   | 23   | 18.7 | 0.8     | 23/ 20 |
| 13           | 99/01/04 | 04:40:09 | 04:42:39  | 04:40:48 | 150  | 54   | 18.7 | 0.8     | 23/ 20 |
| 14           | 99/01/04 | 05:34:33 | 05:51:08  | 05:46:03 | 995  | 34   | 18.7 | 0.8     | 23/ 20 |
| 15           | 99/01/05 | 05:00:00 | 05:01:36  | 05:00:32 | 96   | 64   | 18.1 | 0.6     | 22/ 20 |
| 16           | 99/01/05 | 05:55:25 | 06:14:56# | 05:55:47 | 1171 | 94   | 18.1 | 0.6     | 22/ 20 |
| 17           | 99/01/06 | 23:59:48 | 00:24:13  | 00:02:35 | 1465 | 140  | 18.2 | 0.7     | 22/ 20 |
| 18           | 99/01/07 | 00:34:56 | 01:24:39  | 00:59:54 | 2983 | 26   | 18.2 | 0.7     | 22/ 20 |
| 19           | 99/01/08 | 03:15:05 | 03:23:57  | 03:16:40 | 532  | 23   | 18.1 | 0.7     | 22/ 20 |
| 20           | 99/01/12 | 01:16:39 | 01:41:26  | 01:23:47 | 1487 | 28   | 18.6 | 1.0     | 23/ 20 |
| 21           | 99/01/12 | 04:17:05 | 04:17:32  | 04:17:07 | 27   | 34   | 18.6 | 1.0     | 23/ 20 |
| 22           | 99/01/12 | 05:40:23 | 06:14:58# | 05:56:32 | 2075 | 28   | 18.6 | 1.0     | 23/ 20 |
| 23           | 99/01/13 | 05:55:04 | 05:55:25  | 05:55:06 | 21   | 23   | 18.3 | 0.6     | 23/ 20 |
| 24           | 99/01/13 | 06:08:05 | 06:14:57# | 06:08:19 | 412  | 136  | 18.3 | 0.6     | 23/ 20 |
| 25           | 99/01/14 | 00:57:57 | 01:12:46  | 01:03:28 | 889  | 44   | 19.2 | 1.2     | 24/ 21 |
| 26           | 99/01/14 | 05:08:04 | 05:08:26  | 05:08:12 | 22   | 26   | 19.2 | 1.2     | 24/ 21 |
| 27           | 99/01/14 | 05:48:10 | 06:13:36  | 06:03:27 | 1526 | 26   | 19.2 | 1.2     | 24/ 21 |
| 28           | 99/01/14 | 23:23:07 | 23:27:35  | 23:23:20 | 268  | 26   | 18.1 | 0.7     | 22/ 20 |
| 29           | 99/01/15 | 01:40:27 | 01:40:50  | 01:40:34 | 23   | 22   | 18.1 | 0.7     | 22/ 20 |
| 30           | 99/01/15 | 01:43:09 | 02:04:44  | 01:52:20 | 1295 | 25   | 18.1 | 0.7     | 22/ 20 |
| 31           | 99/01/15 | 02:16:37 | 02:51:00  | 02:27:38 | 2063 | 26   | 18.1 | 0.7     | 22/ 20 |
| 32           | 99/01/15 | 03:01:02 | 03:06:11  | 03:02:42 | 309  | 25   | 18.1 | 0.7     | 22/ 20 |
| 33           | 99/01/15 | 05:01:52 | 05:02:24  | 05:01:58 | 32   | 26   | 18.1 | 0.7     | 22/ 20 |
| 34           | 99/01/15 | 06:08:24 | 06:14:57# | 06:09:32 | 393  | 34   | 18.1 | 0.7     | 22/ 20 |
| 35           | 99/01/15 | 23:41:42 | 23:42:13  | 23:41:58 | 31   | 246  | 20.1 | 4.7     | 40/ 27 |
| 36           | 99/01/16 | 05:58:54 | 05:59:14  | 05:58:57 | 20   | 72   | 20.1 | 4.7     | 40/ 27 |
| 37           | 99/01/16 | 23:27:20 | 23:38:52  | 23:34:40 | 692  | 63   | 18.7 | 1.2     | 24/ 20 |
| 38           | 99/01/16 | 23:43:01 | 23:52:14  | 23:43:26 | 553  | 25   | 18.7 | 1.2     | 24/ 20 |
| 39           | 99/01/17 | 01:08:40 | 01:15:07  | 01:10:35 | 387  | 32   | 18.7 | 1.2     | 24/ 20 |
| 40           | 99/01/17 | 03:34:55 | 03:45:25  | 03:39:57 | 630  | 43   | 18.7 | 1.2     | 24/ 20 |
| 41           | 99/01/17 | 04:25:37 | 04:28:29  | 04:26:05 | 172  | 113  | 18.7 | 1.2     | 24/ 20 |

EVENTLIST OF THE NOBEYAMA RADIOHELIOGRAPH  
OBSERVATION FREQUENCY = 17GHz ,34GHz

| №  | DAY      | START    | END       | MAX.TIME | DUR. | PEAK | MEAN | STD.DEV | TH_U/L |
|----|----------|----------|-----------|----------|------|------|------|---------|--------|
| 42 | 99/01/17 | 05:21:56 | 05:22:38  | 05:22:04 | 42   | 71   | 18.7 | 1.2     | 24/ 20 |
| 43 | 99/01/17 | 06:03:08 | 06:03:23  | 06:03:10 | 15   | 31   | 18.7 | 1.2     | 24/ 20 |
| 44 | 99/01/17 | 23:22:58 | 23:27:46  | 23:25:20 | 288  | 466  | 18.8 | 1.6     | 26/ 21 |
| 45 | 99/01/17 | 23:39:36 | 23:40:57  | 23:40:02 | 81   | 50   | 18.8 | 1.6     | 26/ 21 |
| 46 | 99/01/18 | 00:10:49 | 00:14:20  | 00:11:25 | 211  | 358  | 18.8 | 1.6     | 26/ 21 |
| 47 | 99/01/18 | 00:14:47 | 00:17:48  | 00:15:39 | 181  | 2454 | 18.8 | 1.6     | 26/ 21 |
| 48 | 99/01/18 | 02:32:12 | 02:45:50  | 02:32:56 | 818  | 51   | 18.8 | 1.6     | 26/ 21 |
| 49 | 99/01/18 | 03:12:51 | 03:25:07  | 03:13:33 | 736  | 61   | 18.8 | 1.6     | 26/ 21 |
| 50 | 99/01/18 | 03:47:34 | 03:53:24  | 03:49:25 | 350  | 295  | 18.8 | 1.6     | 26/ 21 |
| 51 | 99/01/18 | 05:11:01 | 05:27:49  | 05:13:26 | 1008 | 50   | 18.8 | 1.6     | 26/ 21 |
| 52 | 99/01/18 | 06:14:09 | 06:14:57# | 06:14:53 | 48   | 29   | 18.8 | 1.6     | 26/ 21 |
| 53 | 99/01/19 | 01:04:50 | 01:10:10  | 01:05:30 | 320  | 26   | 18.6 | 1.0     | 23/ 20 |
| 54 | 99/01/19 | 01:28:44 | 02:09:11  | 01:30:58 | 2427 | 64   | 18.6 | 1.0     | 23/ 20 |
| 55 | 99/01/20 | 02:06:49 | 02:11:51  | 02:07:32 | 302  | 24   | 18.4 | 0.7     | 23/ 20 |
| 56 | 99/01/20 | 23:52:22 | 00:05:06  | 23:56:09 | 764  | 33   | 19.3 | 1.5     | 26/ 21 |
| 57 | 99/01/21 | 01:23:47 | 01:24:06  | 01:23:49 | 19   | 29   | 19.3 | 1.5     | 26/ 21 |
| 58 | 99/01/21 | 04:57:49 | 05:05:17  | 04:59:04 | 448  | 77   | 19.3 | 1.5     | 26/ 21 |
| 59 | 99/01/22 | 01:26:00 | 01:27:26  | 01:26:06 | 86   | 34   | 19.5 | 1.5     | 26/ 22 |
| 60 | 99/01/22 | 01:33:43 | 01:42:56  | 01:33:46 | 553  | 47   | 19.5 | 1.5     | 26/ 22 |
| 61 | 99/01/22 | 01:57:27 | 01:57:54  | 01:57:29 | 27   | 48   | 19.5 | 1.5     | 26/ 22 |
| 62 | 99/01/22 | 02:16:56 | 02:54:07  | 02:27:42 | 2231 | 92   | 19.5 | 1.5     | 26/ 22 |
| 63 | 99/01/22 | 03:15:46 | 03:18:03  | 03:15:55 | 137  | 26   | 19.5 | 1.5     | 26/ 22 |
| 64 | 99/01/22 | 03:20:28 | 03:30:08  | 03:20:44 | 580  | 32   | 19.5 | 1.5     | 26/ 22 |
| 65 | 99/01/22 | 05:49:46 | 05:49:48  | 05:49:47 | 2    | 25   | 19.5 | 1.5     | 26/ 22 |
| 66 | 99/01/22 | 23:28:01 | 23:28:06  | 23:28:02 | 5    | 69   | 25.7 | 5.9     | 51/ 34 |
| 67 | 99/01/22 | 23:45:56 | 23:47:17  | 23:46:24 | 81   | 383  | 25.7 | 5.9     | 51/ 34 |
| 68 | 99/01/22 | 23:49:32 | 23:50:23# | 23:50:17 | 51   | 282  | 25.7 | 5.9     | 51/ 34 |
| 69 | 99/01/24 | 23:21:52 | 23:30:58  | 23:22:15 | 546  | 40   | 20.2 | 2.2     | 30/ 23 |
| 70 | 99/01/25 | 00:05:17 | 00:44:04  | 00:13:19 | 2327 | 38   | 20.2 | 2.2     | 30/ 23 |
| 71 | 99/01/25 | 00:54:27 | 01:05:17  | 00:55:06 | 650  | 2934 | 20.2 | 2.2     | 30/ 23 |
| 72 | 99/01/25 | 04:53:08 | 04:56:07  | 04:53:13 | 179  | 33   | 20.2 | 2.2     | 30/ 23 |
| 73 | 99/01/25 | 05:19:16 | 05:32:15  | 05:20:11 | 779  | 357  | 20.2 | 2.2     | 30/ 23 |
| 74 | 99/01/27 | 01:20:53 | 01:26:59  | 01:21:44 | 366  | 24   | 18.1 | 0.7     | 22/ 20 |
| 75 | 99/01/30 | 04:37:54 | 05:10:39  | 05:01:26 | 1965 | 23   | 18.3 | 0.6     | 23/ 20 |
| 76 | 99/01/30 | 05:20:07 | 06:14:57# | 06:10:10 | 3290 | 30   | 18.3 | 0.6     | 23/ 20 |

EVENTLIST OF THE NOBEYAMA RADIOHELIOGRAPH  
OBSERVATION FREQUENCY = 17GHz ,34GHz

| №             | DAY      | START     | END       | MAX.TIME | DUR.  | PEAK | MEAN | STD.DEV | TH_U/L |
|---------------|----------|-----------|-----------|----------|-------|------|------|---------|--------|
| FEBRUARY 1999 |          |           |           |          |       |      |      |         |        |
| 1             | 99/02/08 | 23:02:31  | 23:20:17  | 23:02:58 | 1066  | 41   | 26.3 | 3.2     | 40/ 31 |
| 2             | 99/02/10 | 06:02:01  | 06:14:56# | 06:13:06 | 775   | 151  | 30.5 | 9.2     | 70/ 44 |
| 3             | 99/02/10 | 23:00:23# | 02:53:48  | 23:11:01 | 14005 | 282  | 17.1 | 0.9     | 21/ 19 |
| 4             | 99/02/12 | 01:14:38  | 01:16:37  | 01:15:02 | 119   | 154  | 26.0 | 11.8    | 76/ 43 |
| 5             | 99/02/12 | 03:15:07  | 03:26:56  | 03:18:19 | 709   | 293  | 26.0 | 11.8    | 76/ 43 |
| 6             | 99/02/12 | 03:36:57  | 04:57:09  | 03:39:04 | 4812  | 86   | 26.0 | 11.8    | 76/ 43 |
| 7             | 99/02/12 | 06:12:20  | 06:14:57# | 06:12:22 | 157   | 245  | 26.0 | 11.8    | 76/ 43 |
| 8             | 99/02/12 | 23:28:16  | 23:39:47  | 23:30:25 | 691   | 104  | 35.6 | 7.8     | 69/ 47 |
| 9             | 99/02/14 | 00:06:15  | 01:13:35  | 00:15:37 | 4040  | 133  | 25.7 | 6.1     | 52/ 34 |
| 10            | 99/02/14 | 23:40:09  | 23:46:44  | 23:40:17 | 395   | 29   | 20.0 | 2.0     | 29/ 23 |
| 11            | 99/02/15 | 02:11:15  | 02:18:16  | 02:12:57 | 421   | 107  | 20.0 | 2.0     | 29/ 23 |
| 12            | 99/02/15 | 04:44:33  | 04:46:00  | 04:44:44 | 87    | 155  | 20.0 | 2.0     | 29/ 23 |
| 13            | 99/02/15 | 23:59:59  | 00:37:18  | 00:01:38 | 2239  | 2683 | 20.6 | 2.5     | 31/ 24 |
| 14            | 99/02/16 | 01:26:50  | 01:36:10  | 01:29:07 | 560   | 52   | 20.6 | 2.5     | 31/ 24 |
| 15            | 99/02/16 | 02:16:04  | 02:23:00  | 02:16:36 | 416   | 191  | 20.6 | 2.5     | 31/ 24 |
| 16            | 99/02/16 | 02:34:49  | 02:35:58  | 02:34:57 | 69    | 51   | 20.6 | 2.5     | 31/ 24 |
| 17            | 99/02/16 | 02:52:32  | 05:37:20  | 02:57:49 | 9888  | 657  | 20.6 | 2.5     | 31/ 24 |
| 18            | 99/02/16 | 05:44:01  | 06:14:57# | 05:55:34 | 1856  | 53   | 20.6 | 2.5     | 31/ 24 |
| 19            | 99/02/16 | 23:22:07  | 23:37:07  | 23:22:15 | 900   | 345  | 20.6 | 3.6     | 36/ 26 |
| 20            | 99/02/17 | 00:58:48  | 01:02:24  | 00:59:00 | 216   | 272  | 20.6 | 3.6     | 36/ 26 |
| 21            | 99/02/17 | 23:00:22# | 00:06:08  | 23:36:06 | 3946  | 58   | 28.1 | 2.6     | 39/ 32 |
| 22            | 99/02/18 | 00:20:09  | 00:26:33  | 00:23:10 | 384   | 40   | 28.1 | 2.6     | 39/ 32 |
| 23            | 99/02/18 | 00:32:15  | 00:51:48  | 00:32:38 | 1173  | 230  | 28.1 | 2.6     | 39/ 32 |
| 24            | 99/02/18 | 02:33:32  | 02:33:46  | 02:33:34 | 14    | 49   | 28.1 | 2.6     | 39/ 32 |
| 25            | 99/02/18 | 03:20:31  | 03:46:20  | 03:31:46 | 1549  | 102  | 28.1 | 2.6     | 39/ 32 |
| 26            | 99/02/18 | 04:58:22  | 05:01:06  | 04:59:34 | 164   | 92   | 28.1 | 2.6     | 39/ 32 |
| 27            | 99/02/18 | 05:16:54  | 05:18:38  | 05:17:28 | 104   | 110  | 28.1 | 2.6     | 39/ 32 |
| 28            | 99/02/18 | 05:19:42  | 05:21:42  | 05:20:10 | 120   | 53   | 28.1 | 2.6     | 39/ 32 |
| 29            | 99/02/20 | 04:04:04  | 04:11:31  | 04:04:35 | 447   | 280  | 26.0 | 13.3    | 83/ 45 |
| 30            | 99/02/20 | 23:00:23# | 00:54:59  | 00:11:05 | 6876  | 63   | 19.4 | 1.2     | 25/ 21 |
| 31            | 99/02/21 | 01:37:48  | 01:37:52  | 01:37:49 | 4     | 25   | 19.4 | 1.2     | 25/ 21 |
| 32            | 99/02/21 | 23:00:25# | 00:09:53  | 23:55:04 | 4168  | 34   | 19.4 | 2.0     | 28/ 22 |
| 33            | 99/02/22 | 04:18:00  | 04:19:31  | 04:18:49 | 91    | 45   | 19.4 | 2.0     | 28/ 22 |
| 34            | 99/02/22 | 04:23:48  | 04:27:17  | 04:24:35 | 209   | 38   | 19.4 | 2.0     | 28/ 22 |
| 35            | 99/02/22 | 23:00:33  | 23:02:19  | 23:00:46 | 106   | 22   | 18.1 | 0.7     | 22/ 20 |

EVENTLIST OF THE NOBEYAMA RADIOHELIOGRAPH  
OBSERVATION FREQUENCY = 17GHz ,34GHz

| №          | DAY      | START     | END       | MAX.TIME | DUR. | PEAK | MEAN | STD.DEV | TH_U/L |
|------------|----------|-----------|-----------|----------|------|------|------|---------|--------|
| MARCH 1999 |          |           |           |          |      |      |      |         |        |
| 1          | 99/03/01 | 06:01:00  | 06:14:59# | 06:04:05 | 839  | 23   | 18.4 | 1.0     | 23/ 20 |
| 2          | 99/03/01 | 23:00:23# | 23:18:47  | 23:01:20 | 1104 | 28   | 18.3 | 0.7     | 23/ 20 |
| 3          | 99/03/03 | 01:26:27  | 01:34:52  | 01:28:42 | 505  | 28   | 18.6 | 1.1     | 23/ 20 |
| 4          | 99/03/03 | 03:34:20  | 03:34:44  | 03:34:24 | 24   | 27   | 18.6 | 1.1     | 23/ 20 |
| 5          | 99/03/03 | 03:41:59  | 03:43:51  | 03:42:30 | 112  | 27   | 18.6 | 1.1     | 23/ 20 |
| 6          | 99/03/03 | 03:45:41  | 03:56:24  | 03:51:54 | 643  | 28   | 18.6 | 1.1     | 23/ 20 |
| 7          | 99/03/03 | 04:25:23  | 04:25:39  | 04:25:28 | 16   | 23   | 18.6 | 1.1     | 23/ 20 |
| 8          | 99/03/03 | 06:01:14  | 06:07:57  | 06:01:48 | 403  | 38   | 18.6 | 1.1     | 23/ 20 |
| 9          | 99/03/03 | 23:38:14  | 23:58:31  | 23:42:56 | 1217 | 36   | 18.5 | 0.8     | 23/ 20 |
| 10         | 99/03/04 | 05:10:05  | 05:25:32  | 05:14:28 | 927  | 31   | 18.5 | 0.8     | 23/ 20 |
| 11         | 99/03/05 | 03:08:14  | 03:08:26  | 03:08:15 | 12   | 22   | 18.0 | 0.6     | 22/ 19 |
| 12         | 99/03/05 | 03:10:58  | 03:13:23  | 03:11:23 | 145  | 64   | 18.0 | 0.6     | 22/ 19 |
| 13         | 99/03/05 | 03:16:32  | 03:17:58  | 03:16:54 | 86   | 25   | 18.0 | 0.6     | 22/ 19 |
| 14         | 99/03/05 | 23:41:49  | 23:42:30  | 23:41:50 | 41   | 22   | 18.1 | 0.9     | 22/ 20 |
| 15         | 99/03/05 | 23:46:34  | 23:49:13  | 23:48:57 | 159  | 32   | 18.1 | 0.9     | 22/ 20 |
| 16         | 99/03/06 | 01:11:36  | 01:13:11  | 01:12:14 | 95   | 46   | 18.1 | 0.9     | 22/ 20 |
| 17         | 99/03/06 | 01:48:53  | 01:50:06  | 01:49:08 | 73   | 30   | 18.1 | 0.9     | 22/ 20 |
| 18         | 99/03/06 | 01:50:46  | 01:51:21  | 01:51:03 | 35   | 24   | 18.1 | 0.9     | 22/ 20 |
| 19         | 99/03/06 | 05:27:28  | 05:28:57  | 05:27:42 | 89   | 139  | 18.1 | 0.9     | 22/ 20 |
| 20         | 99/03/06 | 23:09:58  | 23:49:17  | 23:37:40 | 2359 | 24   | 17.9 | 0.8     | 22/ 19 |
| 21         | 99/03/07 | 00:23:55  | 00:31:16  | 00:25:57 | 441  | 165  | 17.9 | 0.8     | 22/ 19 |
| 22         | 99/03/07 | 00:31:51  | 00:33:05  | 00:32:08 | 74   | 22   | 17.9 | 0.8     | 22/ 19 |
| 23         | 99/03/07 | 02:18:06  | 02:18:20  | 02:18:08 | 14   | 24   | 17.9 | 0.8     | 22/ 19 |
| 24         | 99/03/07 | 04:07:54  | 04:17:39  | 04:11:29 | 585  | 23   | 17.9 | 0.8     | 22/ 19 |
| 25         | 99/03/07 | 23:00:54  | 23:09:36  | 23:01:16 | 522  | 23   | 17.9 | 0.8     | 22/ 19 |
| 26         | 99/03/08 | 00:22:25  | 00:52:21  | 00:33:31 | 1796 | 83   | 17.9 | 0.8     | 22/ 19 |
| 27         | 99/03/08 | 03:43:25  | 03:44:05  | 03:43:37 | 40   | 26   | 17.9 | 0.8     | 22/ 19 |
| 28         | 99/03/10 | 03:22:27  | 03:28:14  | 03:23:04 | 347  | 178  | 17.7 | 0.7     | 22/ 19 |
| 29         | 99/03/10 | 05:15:03  | 05:15:10  | 05:15:04 | 7    | 24   | 17.7 | 0.7     | 22/ 19 |
| 30         | 99/03/10 | 23:00:25  | 23:11:41  | 23:01:19 | 676  | 23   | 17.8 | 0.6     | 22/ 19 |
| 31         | 99/03/10 | 23:53:41  | 23:56:26  | 23:53:45 | 165  | 41   | 17.8 | 0.6     | 22/ 19 |
| 32         | 99/03/11 | 00:06:50  | 00:13:14  | 00:08:08 | 384  | 2416 | 17.8 | 0.6     | 22/ 19 |
| 33         | 99/03/11 | 23:00:25  | 23:30:47  | 23:12:00 | 1822 | 24   | 18.1 | 0.6     | 22/ 19 |
| 34         | 99/03/12 | 00:06:04  | 00:11:20  | 00:07:08 | 316  | 25   | 18.1 | 0.6     | 22/ 19 |
| 35         | 99/03/12 | 23:41:17  | 23:44:42  | 23:42:04 | 205  | 22   | 18.1 | 0.6     | 22/ 20 |
| 36         | 99/03/13 | 01:08:08  | 01:08:26  | 01:08:09 | 18   | 47   | 18.1 | 0.6     | 22/ 20 |
| 37         | 99/03/13 | 05:01:02  | 05:03:10  | 05:01:06 | 128  | 59   | 18.1 | 0.6     | 22/ 20 |
| 38         | 99/03/13 | 05:20:06  | 05:21:47  | 05:20:08 | 101  | 22   | 18.1 | 0.6     | 22/ 20 |
| 39         | 99/03/13 | 05:57:25  | 06:14:58# | 05:59:21 | 1053 | 24   | 18.1 | 0.6     | 22/ 20 |
| 40         | 99/03/13 | 23:00:41  | 23:27:36  | 23:07:40 | 1615 | 24   | 18.8 | 1.0     | 23/ 20 |
| 41         | 99/03/14 | 00:49:31  | 00:51:35  | 00:49:42 | 124  | 45   | 18.8 | 1.0     | 23/ 20 |

EVENTLIST OF THE NOBEYAMA RADIOHELIOGRAPH  
OBSERVATION FREQUENCY = 17GHz ,34GHz

| №  | DAY      | START     | END       | MAX.TIME | DUR. | PEAK | MEAN | STD.DEV | TH_U/L |
|----|----------|-----------|-----------|----------|------|------|------|---------|--------|
| 42 | 99/03/14 | 01:10:43  | 02:12:23  | 01:23:51 | 3700 | 714  | 18.8 | 1.0     | 23/ 20 |
| 43 | 99/03/14 | 02:26:40  | 02:26:50  | 02:26:43 | 10   | 32   | 18.8 | 1.0     | 23/ 20 |
| 44 | 99/03/14 | 06:10:39  | 06:14:58# | 06:14:42 | 259  | 27   | 18.8 | 1.0     | 23/ 20 |
| 45 | 99/03/14 | 23:00:24# | 23:09:27  | 23:01:04 | 543  | 24   | 18.0 | 0.6     | 22/ 19 |
| 46 | 99/03/15 | 03:29:14  | 03:56:58  | 03:41:52 | 1664 | 40   | 18.0 | 0.6     | 22/ 19 |
| 47 | 99/03/15 | 23:05:40  | 23:05:43  | 23:05:41 | 3    | 85   | 21.5 | 9.8     | 63/ 35 |
| 48 | 99/03/15 | 23:20:36  | 23:22:45  | 23:21:13 | 129  | 285  | 21.5 | 9.8     | 63/ 35 |
| 49 | 99/03/16 | 02:08:30  | 02:10:03  | 02:08:46 | 93   | 96   | 21.5 | 9.8     | 63/ 35 |
| 50 | 99/03/16 | 02:49:40  | 02:55:07  | 02:50:14 | 327  | 1012 | 21.5 | 9.8     | 63/ 35 |
| 51 | 99/03/16 | 04:30:44  | 04:32:07  | 04:30:49 | 83   | 107  | 21.5 | 9.8     | 63/ 35 |
| 52 | 99/03/16 | 04:40:26  | 04:49:07  | 04:41:26 | 521  | 120  | 21.5 | 9.8     | 63/ 35 |
| 53 | 99/03/16 | 05:35:18  | 05:47:04  | 05:35:45 | 706  | 89   | 21.5 | 9.8     | 63/ 35 |
| 54 | 99/03/16 | 23:11:04  | 23:14:03  | 23:11:06 | 179  | 26   | 18.6 | 1.2     | 24/ 20 |
| 55 | 99/03/16 | 23:32:15  | 23:33:21  | 23:32:21 | 66   | 30   | 18.6 | 1.2     | 24/ 20 |
| 56 | 99/03/17 | 00:30:23  | 00:31:16  | 00:30:37 | 53   | 37   | 18.6 | 1.2     | 24/ 20 |
| 57 | 99/03/17 | 00:56:51  | 00:59:17  | 00:57:19 | 146  | 52   | 18.6 | 1.2     | 24/ 20 |
| 58 | 99/03/17 | 01:49:13  | 01:49:38  | 01:49:14 | 25   | 27   | 18.6 | 1.2     | 24/ 20 |
| 59 | 99/03/17 | 02:20:25  | 02:20:38  | 02:20:29 | 13   | 30   | 18.6 | 1.2     | 24/ 20 |
| 60 | 99/03/17 | 02:28:53  | 02:29:17  | 02:28:57 | 24   | 27   | 18.6 | 1.2     | 24/ 20 |
| 61 | 99/03/17 | 03:48:17  | 03:48:50  | 03:48:25 | 33   | 25   | 18.6 | 1.2     | 24/ 20 |
| 62 | 99/03/17 | 03:58:12  | 03:58:56  | 03:58:22 | 44   | 38   | 18.6 | 1.2     | 24/ 20 |
| 63 | 99/03/17 | 23:02:21  | 23:02:47  | 23:02:22 | 26   | 32   | 18.3 | 1.9     | 26/ 21 |
| 64 | 99/03/18 | 00:18:07  | 00:25:25  | 00:18:39 | 438  | 102  | 18.3 | 1.9     | 26/ 21 |
| 65 | 99/03/18 | 00:34:48  | 00:40:01  | 00:35:31 | 313  | 46   | 18.3 | 1.9     | 26/ 21 |
| 66 | 99/03/18 | 04:01:18  | 04:13:37  | 04:01:36 | 739  | 304  | 18.3 | 1.9     | 26/ 21 |
| 67 | 99/03/18 | 05:21:08  | 05:28:40  | 05:21:14 | 452  | 108  | 18.3 | 1.9     | 26/ 21 |
| 68 | 99/03/19 | 23:04:46  | 23:17:59  | 23:05:29 | 793  | 22   | 17.5 | 0.6     | 22/ 19 |
| 69 | 99/03/19 | 23:28:57  | 23:38:26  | 23:30:33 | 569  | 52   | 17.5 | 0.6     | 22/ 19 |
| 70 | 99/03/23 | 23:03:53  | 23:19:56  | 23:04:01 | 963  | 22   | 17.8 | 0.7     | 22/ 19 |
| 71 | 99/03/23 | 23:22:07  | 23:23:51  | 23:22:19 | 104  | 22   | 17.8 | 0.7     | 22/ 19 |

APRIL 1999

|   |          |           |          |          |      |      |      |     |        |
|---|----------|-----------|----------|----------|------|------|------|-----|--------|
| 1 | 99/04/01 | 23:00:47  | 23:11:24 | 23:02:42 | 637  | 23   | 17.7 | 0.6 | 22/ 19 |
| 2 | 99/04/03 | 23:00:24# | 23:53:26 | 23:02:43 | 3182 | 1063 | 18.4 | 0.7 | 23/ 20 |
| 3 | 99/04/04 | 01:37:12  | 01:53:18 | 01:41:56 | 966  | 24   | 18.4 | 0.7 | 23/ 20 |
| 4 | 99/04/04 | 04:14:55  | 04:41:55 | 04:21:53 | 1620 | 27   | 18.4 | 0.7 | 23/ 20 |
| 5 | 99/04/04 | 05:09:24  | 05:15:54 | 05:13:46 | 390  | 28   | 18.4 | 0.7 | 23/ 20 |
| 6 | 99/04/04 | 05:16:56  | 06:04:50 | 05:21:26 | 2874 | 2915 | 18.4 | 0.7 | 23/ 20 |
| 7 | 99/04/05 | 23:04:17  | 23:20:18 | 23:10:00 | 961  | 43   | 17.7 | 0.6 | 22/ 19 |
| 8 | 99/04/06 | 01:11:35  | 01:12:01 | 01:11:36 | 26   | 23   | 17.7 | 0.6 | 22/ 19 |

EVENTLIST OF THE NOBEYAMA RADIOHELIOGRAPH  
OBSERVATION FREQUENCY = 17GHz ,34GHz

| N <sub>o</sub> | DAY      | START     | END       | MAX.TIME | DUR. | PEAK | MEAN | STD.DEV | TH_U/L |
|----------------|----------|-----------|-----------|----------|------|------|------|---------|--------|
| 9              | 99/04/06 | 04:18:53  | 04:24:30  | 04:18:58 | 337  | 22   | 17.7 | 0.6     | 22/ 19 |
| 10             | 99/04/07 | 04:35:00  | 04:36:31  | 04:35:17 | 91   | 255  | 18.5 | 0.8     | 23/ 20 |
| 11             | 99/04/07 | 05:06:18  | 06:14:58# | 06:14:24 | 4120 | 28   | 18.5 | 0.8     | 23/ 20 |
| 12             | 99/04/07 | 23:00:21# | 23:57:17  | 23:10:14 | 3416 | 28   | 18.5 | 1.1     | 23/ 20 |
| 13             | 99/04/08 | 00:06:04  | 00:06:14  | 00:06:05 | 10   | 26   | 18.5 | 1.1     | 23/ 20 |
| 14             | 99/04/08 | 04:38:11  | 04:38:37  | 04:38:17 | 26   | 26   | 18.5 | 1.1     | 23/ 20 |
| 15             | 99/04/08 | 05:15:55  | 05:34:37  | 05:21:17 | 1122 | 45   | 18.5 | 1.1     | 23/ 20 |
| 16             | 99/04/11 | 03:36:12  | 03:45:53  | 03:40:17 | 581  | 32   | 17.8 | 0.7     | 22/ 19 |
| 17             | 99/04/20 | 23:48:15  | 00:02:13  | 23:50:35 | 838  | 23   | 18.0 | 0.8     | 22/ 19 |
| 18             | 99/04/21 | 06:35:25  | 06:41:20  | 06:35:32 | 355  | 23   | 18.0 | 0.8     | 22/ 19 |
| 19             | 99/04/22 | 05:07:32  | 05:54:53  | 05:28:49 | 2841 | 40   | 18.6 | 1.3     | 24/ 21 |
| 20             | 99/04/29 | 06:12:55  | 06:25:45  | 06:16:04 | 770  | 24   | 18.1 | 1.0     | 22/ 20 |
| 21             | 99/04/29 | 06:31:02  | 06:44:59# | 06:32:30 | 837  | 24   | 18.1 | 1.0     | 22/ 20 |
| 22             | 99/04/29 | 22:45:23  | 22:53:35  | 22:49:19 | 492  | 23   | 18.1 | 0.7     | 22/ 20 |
| 23             | 99/04/29 | 23:20:56  | 23:21:41  | 23:20:59 | 45   | 28   | 18.1 | 0.7     | 22/ 20 |
| 24             | 99/04/30 | 02:51:30  | 02:57:10  | 02:53:04 | 340  | 24   | 18.1 | 0.7     | 22/ 20 |
| 25             | 99/04/30 | 03:53:14  | 04:02:00  | 03:55:40 | 526  | 48   | 18.1 | 0.7     | 22/ 20 |

MAY 1999

|    |          |          |           |          |      |      |      |     |        |
|----|----------|----------|-----------|----------|------|------|------|-----|--------|
| 1  | 99/05/01 | 22:57:39 | 23:14:39  | 22:59:22 | 1020 | 298  | 18.1 | 1.1 | 23/ 20 |
| 2  | 99/05/02 | 02:45:33 | 02:46:05  | 02:45:37 | 32   | 27   | 18.1 | 1.1 | 23/ 20 |
| 3  | 99/05/02 | 04:32:10 | 04:34:31  | 04:32:15 | 141  | 23   | 18.1 | 1.1 | 23/ 20 |
| 4  | 99/05/02 | 04:35:28 | 04:50:30  | 04:35:51 | 902  | 63   | 18.1 | 1.1 | 23/ 20 |
| 5  | 99/05/03 | 05:43:14 | 06:45:00# | 06:11:19 | 3706 | 79   | 17.9 | 0.7 | 22/ 19 |
| 6  | 99/05/03 | 23:09:42 | 23:18:01  | 23:10:19 | 499  | 5199 | 17.1 | 2.6 | 28/ 21 |
| 7  | 99/05/04 | 22:48:12 | 22:48:42  | 22:48:19 | 30   | 25   | 18.2 | 1.6 | 25/ 20 |
| 8  | 99/05/06 | 01:40:12 | 01:53:39  | 01:41:35 | 807  | 23   | 18.2 | 0.7 | 22/ 20 |
| 9  | 99/05/06 | 02:21:01 | 02:24:44  | 02:22:55 | 223  | 24   | 18.2 | 0.7 | 22/ 20 |
| 10 | 99/05/06 | 02:29:24 | 02:31:25  | 02:29:39 | 121  | 22   | 18.2 | 0.7 | 22/ 20 |
| 11 | 99/05/07 | 04:31:45 | 05:11:38  | 04:36:09 | 2393 | 1623 | 18.5 | 1.6 | 25/ 21 |
| 12 | 99/05/08 | 00:16:33 | 00:26:47  | 00:20:55 | 614  | 39   | 20.2 | 2.7 | 32/ 24 |
| 13 | 99/05/08 | 01:02:23 | 01:12:25  | 01:02:26 | 602  | 60   | 20.2 | 2.7 | 32/ 24 |
| 14 | 99/05/08 | 01:40:23 | 01:43:50  | 01:41:02 | 207  | 56   | 20.2 | 2.7 | 32/ 24 |
| 15 | 99/05/08 | 01:56:42 | 02:10:47  | 01:56:57 | 845  | 58   | 20.2 | 2.7 | 32/ 24 |
| 16 | 99/05/08 | 05:05:37 | 06:03:21  | 05:22:08 | 3464 | 52   | 20.2 | 2.7 | 32/ 24 |
| 17 | 99/05/09 | 00:03:09 | 01:17:45  | 00:04:24 | 4476 | 100  | 19.8 | 6.6 | 48/ 29 |
| 18 | 99/05/09 | 02:01:58 | 02:25:42  | 02:06:06 | 1424 | 58   | 19.8 | 6.6 | 48/ 29 |
| 19 | 99/05/10 | 05:26:40 | 05:47:08  | 05:36:00 | 1228 | 118  | 23.9 | 6.7 | 52/ 33 |
| 20 | 99/05/11 | 23:05:40 | 23:06:32  | 23:05:46 | 52   | 35   | 18.0 | 1.4 | 24/ 20 |
| 21 | 99/05/12 | 04:56:20 | 04:56:59  | 04:56:32 | 39   | 47   | 18.0 | 1.4 | 24/ 20 |

EVENTLIST OF THE NOBEYAMA RADIOHELIOGRAPH  
OBSERVATION FREQUENCY = 17GHz ,34GHz

| №  | DAY      | START     | END       | MAX.TIME | DUR. | PEAK | MEAN | STD.DEV | TH_U/L |
|----|----------|-----------|-----------|----------|------|------|------|---------|--------|
| 22 | 99/05/14 | 05:11:08  | 05:11:19  | 05:11:11 | 11   | 40   | 18.2 | 1.3     | 24/ 20 |
| 23 | 99/05/14 | 23:16:38  | 23:16:55  | 23:16:44 | 17   | 29   | 20.3 | 1.3     | 26/ 22 |
| 24 | 99/05/16 | 22:45:21# | 23:07:47  | 22:46:10 | 1346 | 71   | 24.7 | 5.5     | 48/ 32 |
| 25 | 99/05/17 | 04:52:14  | 05:08:37  | 04:53:46 | 983  | 3304 | 24.7 | 5.5     | 48/ 32 |
| 26 | 99/05/17 | 22:46:41  | 22:52:00  | 22:47:12 | 319  | 34   | 25.0 | 1.9     | 33/ 28 |
| 27 | 99/05/18 | 01:37:13  | 02:18:37  | 01:45:45 | 2484 | 39   | 25.0 | 1.9     | 33/ 28 |
| 28 | 99/05/18 | 03:14:34  | 03:20:04  | 03:15:29 | 330  | 84   | 25.0 | 1.9     | 33/ 28 |
| 29 | 99/05/18 | 03:23:01  | 03:36:15  | 03:27:39 | 794  | 43   | 25.0 | 1.9     | 33/ 28 |
| 30 | 99/05/18 | 05:46:06  | 05:57:21  | 05:48:17 | 675  | 37   | 25.0 | 1.9     | 33/ 28 |
| 31 | 99/05/18 | 06:26:24  | 06:44:59# | 06:40:07 | 1115 | 37   | 25.0 | 1.9     | 33/ 28 |
| 32 | 99/05/19 | 04:49:44  | 05:02:35  | 04:51:11 | 771  | 33   | 21.6 | 1.7     | 29/ 24 |
| 33 | 99/05/19 | 05:08:25  | 06:44:56# | 05:16:58 | 5791 | 37   | 21.6 | 1.7     | 29/ 24 |
| 34 | 99/05/19 | 22:45:20# | 23:24:33  | 22:45:25 | 2353 | 35   | 21.6 | 1.8     | 29/ 24 |
| 35 | 99/05/19 | 23:39:09  | 23:51:27  | 23:39:35 | 738  | 37   | 21.6 | 1.8     | 29/ 24 |
| 36 | 99/05/22 | 04:34:54  | 04:34:57  | 04:34:55 | 3    | 21   | 18.1 | 0.9     | 22/ 19 |
| 37 | 99/05/23 | 04:57:42  | 04:58:22  | 04:57:45 | 40   | 85   | 18.7 | 1.3     | 24/ 21 |
| 38 | 99/05/23 | 06:28:21  | 06:44:57# | 06:44:33 | 996  | 26   | 18.7 | 1.3     | 24/ 21 |
| 39 | 99/05/23 | 23:05:43  | 23:07:20  | 23:06:12 | 97   | 148  | 27.8 | 4.5     | 47/ 34 |
| 40 | 99/05/24 | 04:17:47  | 04:18:01  | 04:17:51 | 14   | 55   | 27.8 | 4.5     | 47/ 34 |
| 41 | 99/05/24 | 04:33:13  | 04:33:50  | 04:33:20 | 37   | 63   | 27.8 | 4.5     | 47/ 34 |
| 42 | 99/05/24 | 04:39:05  | 04:42:26  | 04:40:13 | 201  | 60   | 27.8 | 4.5     | 47/ 34 |
| 43 | 99/05/24 | 06:23:00  | 06:45:00# | 06:44:58 | 1320 | 54   | 27.8 | 4.5     | 47/ 34 |
| 44 | 99/05/24 | 22:55:17  | 01:34:54  | 23:37:27 | 9577 | 77   | 25.3 | 3.4     | 40/ 30 |
| 45 | 99/05/25 | 02:54:44  | 02:59:00  | 02:55:24 | 256  | 102  | 25.3 | 3.4     | 40/ 30 |
| 46 | 99/05/25 | 06:01:04  | 06:44:57# | 06:44:20 | 2633 | 62   | 25.3 | 3.4     | 40/ 30 |
| 47 | 99/05/25 | 23:03:46  | 23:05:45  | 23:04:01 | 119  | 757  | 34.1 | 5.6     | 58/ 42 |
| 48 | 99/05/26 | 03:47:12  | 03:47:40  | 03:47:16 | 28   | 84   | 34.1 | 5.6     | 58/ 42 |
| 49 | 99/05/26 | 04:52:56  | 04:53:59  | 04:53:32 | 63   | 148  | 34.1 | 5.6     | 58/ 42 |
| 50 | 99/05/26 | 04:54:48  | 06:44:56# | 04:55:27 | 6608 | 146  | 34.1 | 5.6     | 58/ 42 |
| 51 | 99/05/27 | 05:32:37  | 06:44:58# | 05:33:21 | 4341 | 555  | 29.0 | 8.3     | 64/ 41 |
| 52 | 99/05/29 | 03:08:11  | 03:33:44  | 03:10:48 | 1533 | 768  | 28.2 | 4.5     | 47/ 35 |
| 53 | 99/05/30 | 00:10:24  | 00:35:03  | 00:14:35 | 1479 | 39   | 23.5 | 2.3     | 33/ 27 |
| 54 | 99/05/30 | 03:23:04  | 04:42:41  | 03:24:25 | 4777 | 124  | 23.5 | 2.3     | 33/ 27 |
| 55 | 99/05/30 | 04:54:16  | 06:44:58# | 05:50:58 | 6642 | 71   | 23.5 | 2.3     | 33/ 27 |

EVENTLIST OF THE NOBEYAMA RADIOHELIOGRAPH  
OBSERVATION FREQUENCY = 17GHz ,34GHz

| №         | DAY      | START     | END       | MAX.TIME | DUR. | PEAK | MEAN | STD.DEV | TH_U/L |
|-----------|----------|-----------|-----------|----------|------|------|------|---------|--------|
| JUNE 1999 |          |           |           |          |      |      |      |         |        |
| 1         | 99/06/01 | 06:13:49  | 06:30:21# | 06:14:24 | 992  | 352  | 27.5 | 10.2    | 71/ 42 |
| 2         | 99/06/01 | 22:44:03  | 23:50:24  | 22:44:40 | 3981 | 64   | 22.5 | 4.6     | 42/ 29 |
| 3         | 99/06/02 | 05:10:28  | 05:17:20  | 05:10:29 | 412  | 55   | 22.5 | 4.6     | 42/ 29 |
| 4         | 99/06/03 | 06:07:43  | 06:11:17  | 06:07:47 | 214  | 27   | 19.5 | 1.4     | 26/ 22 |
| 5         | 99/06/03 | 06:13:01  | 06:13:34  | 06:13:03 | 33   | 24   | 19.5 | 1.4     | 26/ 22 |
| 6         | 99/06/03 | 06:30:08  | 06:30:21# | 06:30:15 | 13   | 26   | 19.5 | 1.4     | 26/ 22 |
| 7         | 99/06/04 | 00:50:42  | 00:51:43  | 00:51:00 | 61   | 27   | 20.7 | 1.6     | 28/ 23 |
| 8         | 99/06/04 | 05:36:00  | 05:49:53  | 05:37:31 | 833  | 48   | 20.7 | 1.6     | 28/ 23 |
| 9         | 99/06/05 | 01:36:46  | 01:37:20  | 01:36:47 | 34   | 24   | 19.2 | 1.0     | 24/ 21 |
| 10        | 99/06/05 | 05:02:51  | 05:03:30  | 05:03:01 | 39   | 183  | 19.2 | 1.0     | 24/ 21 |
| 11        | 99/06/05 | 23:01:31  | 23:04:34  | 23:02:28 | 183  | 47   | 18.9 | 1.0     | 23/ 20 |
| 12        | 99/06/06 | 01:42:23  | 01:45:33  | 01:42:26 | 190  | 24   | 18.9 | 1.0     | 23/ 20 |
| 13        | 99/06/06 | 01:47:41  | 01:49:56  | 01:48:01 | 135  | 114  | 18.9 | 1.0     | 23/ 20 |
| 14        | 99/06/06 | 04:39:21  | 04:39:25  | 04:39:22 | 4    | 23   | 18.9 | 1.0     | 23/ 20 |
| 15        | 99/06/07 | 22:31:13  | 22:39:56  | 22:32:33 | 523  | 23   | 18.0 | 0.9     | 22/ 19 |
| 16        | 99/06/08 | 22:30:22# | 22:59:05  | 22:45:53 | 1723 | 25   | 18.0 | 0.8     | 22/ 19 |
| 17        | 99/06/08 | 23:13:48  | 23:18:03  | 23:13:50 | 255  | 22   | 18.0 | 0.8     | 22/ 19 |
| 18        | 99/06/09 | 23:09:41  | 23:09:42  | 23:09:42 | 1    | 0    | -1.6 | 3.3     | 24/ 15 |
| 19        | 99/06/10 | 04:00:14  | 04:00:15  | 04:00:15 | 1    | 0    | -1.6 | 3.3     | 24/ 15 |
| 20        | 99/06/10 | 22:31:54  | 22:37:28  | 22:33:02 | 334  | 23   | 18.0 | 0.7     | 22/ 19 |
| 21        | 99/06/10 | 22:57:15  | 23:03:24  | 23:01:55 | 369  | 22   | 18.0 | 0.7     | 22/ 19 |
| 22        | 99/06/12 | 22:30:22# | 22:46:27  | 22:30:36 | 965  | 39   | 21.4 | 1.1     | 26/ 23 |
| 23        | 99/06/12 | 22:53:41  | 23:15:21  | 22:56:50 | 1300 | 36   | 21.4 | 1.1     | 26/ 23 |
| 24        | 99/06/12 | 23:49:58  | 00:01:25  | 23:51:32 | 687  | 31   | 21.4 | 1.1     | 26/ 23 |
| 25        | 99/06/13 | 04:35:15  | 04:45:54  | 04:37:37 | 639  | 27   | 21.4 | 1.1     | 26/ 23 |
| 26        | 99/06/13 | 04:59:42  | 05:19:48  | 05:05:45 | 1206 | 28   | 21.4 | 1.1     | 26/ 23 |
| 27        | 99/06/13 | 05:22:04  | 05:31:49  | 05:28:00 | 585  | 27   | 21.4 | 1.1     | 26/ 23 |
| 28        | 99/06/14 | 03:06:39  | 03:23:35  | 03:07:48 | 1016 | 73   | 26.1 | 6.4     | 53/ 35 |
| 29        | 99/06/15 | 00:29:41  | 00:30:01  | 00:29:55 | 20   | 88   | 18.4 | 0.9     | 23/ 20 |
| 30        | 99/06/15 | 00:30:20  | 00:30:28  | 00:30:21 | 8    | 24   | 18.4 | 0.9     | 23/ 20 |
| 31        | 99/06/15 | 22:30:40  | 22:34:24  | 22:31:16 | 224  | 23   | 18.1 | 1.0     | 22/ 20 |
| 32        | 99/06/16 | 05:03:45  | 05:35:41  | 05:18:28 | 1916 | 43   | 18.1 | 1.0     | 22/ 20 |
| 33        | 99/06/16 | 22:42:46  | 22:57:12  | 22:45:14 | 866  | 25   | 17.8 | 1.1     | 23/ 19 |
| 34        | 99/06/17 | 00:36:11  | 00:49:52  | 00:42:41 | 821  | 23   | 17.8 | 1.1     | 23/ 19 |
| 35        | 99/06/19 | 22:37:45  | 23:15:39  | 22:54:50 | 2274 | 118  | 17.7 | 0.6     | 22/ 19 |
| 36        | 99/06/20 | 04:57:08  | 05:00:07  | 04:57:37 | 179  | 47   | 17.7 | 0.6     | 22/ 19 |
| 37        | 99/06/21 | 23:08:59  | 23:15:40  | 23:10:41 | 401  | 23   | 17.9 | 0.8     | 22/ 19 |
| 38        | 99/06/23 | 00:44:41  | 00:57:42  | 00:46:22 | 781  | 31   | 18.1 | 1.3     | 24/ 20 |
| 39        | 99/06/23 | 23:10:38  | 23:10:45  | 23:10:39 | 7    | 25   | 18.7 | 0.7     | 23/ 20 |
| 40        | 99/06/23 | 23:16:53  | 23:18:27  | 23:17:29 | 94   | 23   | 18.7 | 0.7     | 23/ 20 |
| 41        | 99/06/23 | 23:19:18  | 23:28:09  | 23:21:38 | 531  | 27   | 18.7 | 0.7     | 23/ 20 |

EVENTLIST OF THE NOBEYAMA RADIOHELIOGRAPH  
OBSERVATION FREQUENCY = 17GHz ,34GHz

| №  | DAY      | START     | END       | MAX.TIME | DUR. | PEAK | MEAN | STD.DEV | TH_U/L |
|----|----------|-----------|-----------|----------|------|------|------|---------|--------|
| 42 | 99/06/24 | 22:57:51  | 00:07:38  | 23:40:22 | 4187 | 41   | 17.7 | 1.3     | 23/ 20 |
| 43 | 99/06/25 | 22:30:23# | 23:18:23  | 22:34:10 | 2880 | 33   | 19.1 | 1.4     | 25/ 21 |
| 44 | 99/06/26 | 05:09:41  | 05:09:45  | 05:09:42 | 4    | 27   | 19.1 | 1.4     | 25/ 21 |
| 45 | 99/06/26 | 05:09:49  | 06:01:03  | 05:11:41 | 3074 | 2606 | 19.1 | 1.4     | 25/ 21 |
| 46 | 99/06/27 | 02:24:17  | 02:32:49  | 02:24:50 | 512  | 36   | 17.5 | 0.7     | 22/ 19 |
| 47 | 99/06/27 | 03:28:48  | 03:31:46  | 03:29:08 | 178  | 28   | 17.5 | 0.7     | 22/ 19 |
| 48 | 99/06/28 | 00:32:16  | 01:02:19  | 00:37:18 | 1803 | 52   | 18.3 | 2.4     | 28/ 22 |
| 49 | 99/06/28 | 01:50:11  | 01:59:59  | 01:51:14 | 588  | 116  | 18.3 | 2.4     | 28/ 22 |
| 50 | 99/06/28 | 03:05:42  | 03:17:23  | 03:15:02 | 701  | 51   | 18.3 | 2.4     | 28/ 22 |
| 51 | 99/06/28 | 22:30:21# | 23:04:24  | 22:39:46 | 2043 | 25   | 17.9 | 0.7     | 22/ 19 |
| 52 | 99/06/29 | 03:44:32  | 03:45:49  | 03:44:39 | 77   | 106  | 17.9 | 0.7     | 22/ 19 |
| 53 | 99/06/29 | 05:04:50  | 05:36:01  | 05:05:15 | 1871 | 146  | 17.9 | 0.7     | 22/ 19 |
| 54 | 99/06/29 | 06:01:17  | 06:18:24  | 06:03:48 | 1027 | 26   | 17.9 | 0.7     | 22/ 19 |
| 55 | 99/06/29 | 06:28:00  | 06:30:21# | 06:30:20 | 141  | 23   | 17.9 | 0.7     | 22/ 19 |
| 56 | 99/06/30 | 03:07:57  | 03:26:31  | 03:08:56 | 1114 | 116  | 17.8 | 0.6     | 22/ 19 |
| 57 | 99/06/30 | 04:39:20  | 05:32:55  | 04:40:42 | 3215 | 180  | 17.8 | 0.6     | 22/ 19 |
| 58 | 99/06/30 | 06:10:39  | 06:20:14  | 06:13:05 | 575  | 25   | 17.8 | 0.6     | 22/ 19 |

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|    |          |           |           |          |      |      |      |     |        |
|----|----------|-----------|-----------|----------|------|------|------|-----|--------|
| 1  | 99/07/01 | 01:39:51  | 01:53:31  | 01:45:13 | 820  | 396  | 21.7 | 4.8 | 42/ 28 |
| 2  | 99/07/01 | 03:48:03  | 04:17:32  | 03:48:14 | 1769 | 96   | 21.7 | 4.8 | 42/ 28 |
| 3  | 99/07/01 | 04:32:59  | 05:12:26  | 04:50:05 | 2367 | 114  | 21.7 | 4.8 | 42/ 28 |
| 4  | 99/07/01 | 05:45:19  | 06:30:25# | 06:09:05 | 2706 | 76   | 21.7 | 4.8 | 42/ 28 |
| 5  | 99/07/01 | 23:27:46  | 23:37:40  | 23:31:24 | 594  | 101  | 21.4 | 2.0 | 30/ 24 |
| 6  | 99/07/02 | 01:30:58  | 02:38:45  | 01:33:22 | 4067 | 1613 | 21.4 | 2.0 | 30/ 24 |
| 7  | 99/07/02 | 03:20:55  | 03:21:27  | 03:21:01 | 32   | 34   | 21.4 | 2.0 | 30/ 24 |
| 8  | 99/07/02 | 03:42:32  | 03:45:33  | 03:43:44 | 181  | 87   | 21.4 | 2.0 | 30/ 24 |
| 9  | 99/07/02 | 03:53:00  | 04:06:53  | 03:54:11 | 833  | 200  | 21.4 | 2.0 | 30/ 24 |
| 10 | 99/07/02 | 05:18:31  | 05:24:03  | 05:18:50 | 332  | 39   | 21.4 | 2.0 | 30/ 24 |
| 11 | 99/07/02 | 06:19:01  | 06:19:03  | 06:19:02 | 2    | 29   | 21.4 | 2.0 | 30/ 24 |
| 12 | 99/07/03 | 02:03:47  | 02:03:58  | 02:03:48 | 11   | 42   | 18.0 | 4.7 | 38/ 25 |
| 13 | 99/07/03 | 03:35:29  | 03:47:04  | 03:36:58 | 695  | 52   | 18.0 | 4.7 | 38/ 25 |
| 14 | 99/07/03 | 05:30:13  | 05:30:15  | 05:30:14 | 2    | 26   | 18.0 | 4.7 | 38/ 25 |
| 15 | 99/07/03 | 05:30:24  | 05:30:47  | 05:30:26 | 23   | 108  | 18.0 | 4.7 | 38/ 25 |
| 16 | 99/07/03 | 22:30:21# | 00:35:27  | 22:38:27 | 7506 | 30   | 18.9 | 0.9 | 23/ 20 |
| 17 | 99/07/04 | 01:55:31  | 01:55:59  | 01:55:32 | 28   | 24   | 18.9 | 0.9 | 23/ 20 |
| 18 | 99/07/04 | 02:11:16  | 02:11:49  | 02:11:18 | 33   | 26   | 18.9 | 0.9 | 23/ 20 |
| 19 | 99/07/04 | 06:04:43  | 06:11:38  | 06:05:16 | 415  | 23   | 18.9 | 0.9 | 23/ 20 |
| 20 | 99/07/04 | 22:45:00  | 22:46:12  | 22:45:32 | 72   | 198  | 19.8 | 2.5 | 30/ 23 |
| 21 | 99/07/04 | 23:25:32  | 23:53:33  | 23:26:14 | 1681 | 64   | 19.8 | 2.5 | 30/ 23 |

EVENTLIST OF THE NOBEYAMA RADIOHELIOGRAPH  
OBSERVATION FREQUENCY = 17GHz ,34GHz

| №  | DAY      | START     | END       | MAX.TIME | DUR. | PEAK | MEAN | STD.DEV | TH_U/L |
|----|----------|-----------|-----------|----------|------|------|------|---------|--------|
| 22 | 99/07/04 | 23:53:48  | 23:55:37  | 23:54:24 | 109  | 46   | 19.8 | 2.5     | 30/ 23 |
| 23 | 99/07/05 | 00:32:45  | 00:37:29  | 00:34:17 | 284  | 100  | 19.8 | 2.5     | 30/ 23 |
| 24 | 99/07/05 | 01:20:58  | 01:47:41  | 01:26:24 | 1603 | 102  | 19.8 | 2.5     | 30/ 23 |
| 25 | 99/07/05 | 04:51:43  | 05:17:23  | 05:01:14 | 1540 | 33   | 19.8 | 2.5     | 30/ 23 |
| 26 | 99/07/05 | 22:30:23  | 22:39:28  | 22:30:26 | 545  | 27   | 17.8 | 2.1     | 27/ 21 |
| 27 | 99/07/06 | 00:43:53  | 00:43:58  | 00:43:54 | 5    | 25   | 17.8 | 2.1     | 27/ 21 |
| 28 | 99/07/06 | 22:30:58  | 22:36:44  | 22:35:05 | 346  | 23   | 18.4 | 0.9     | 23/ 20 |
| 29 | 99/07/06 | 22:53:48  | 22:58:37  | 22:53:57 | 289  | 28   | 18.4 | 0.9     | 23/ 20 |
| 30 | 99/07/06 | 23:14:28  | 23:41:08  | 23:35:38 | 1600 | 34   | 18.4 | 0.9     | 23/ 20 |
| 31 | 99/07/06 | 23:47:36  | 23:55:18  | 23:49:08 | 462  | 22   | 18.4 | 0.9     | 23/ 20 |
| 32 | 99/07/07 | 00:17:39  | 00:18:11  | 00:17:40 | 32   | 22   | 18.4 | 0.9     | 23/ 20 |
| 33 | 99/07/07 | 00:52:06  | 00:55:38  | 00:52:20 | 212  | 26   | 18.4 | 0.9     | 23/ 20 |
| 34 | 99/07/07 | 03:42:58  | 03:43:39  | 03:43:20 | 41   | 194  | 18.4 | 0.9     | 23/ 20 |
| 35 | 99/07/07 | 03:43:40  | 03:43:42  | 03:43:41 | 2    | 22   | 18.4 | 0.9     | 23/ 20 |
| 36 | 99/07/07 | 03:44:54  | 03:45:40  | 03:44:59 | 46   | 138  | 18.4 | 0.9     | 23/ 20 |
| 37 | 99/07/07 | 06:17:21  | 06:17:30  | 06:17:24 | 9    | 153  | 18.4 | 0.9     | 23/ 20 |
| 38 | 99/07/07 | 22:30:26  | 23:17:15  | 22:41:33 | 2809 | 27   | 19.0 | 0.9     | 23/ 20 |
| 39 | 99/07/07 | 23:20:03  | 23:28:06  | 23:20:29 | 483  | 24   | 19.0 | 0.9     | 23/ 20 |
| 40 | 99/07/08 | 04:41:37  | 04:43:32  | 04:42:04 | 115  | 24   | 19.0 | 0.9     | 23/ 20 |
| 41 | 99/07/09 | 00:25:01  | 00:28:41  | 00:26:15 | 220  | 64   | 20.8 | 1.7     | 28/ 23 |
| 42 | 99/07/09 | 05:22:31  | 05:23:10  | 05:22:45 | 39   | 35   | 20.8 | 1.7     | 28/ 23 |
| 43 | 99/07/09 | 22:30:21# | 23:47:26  | 22:38:39 | 4625 | 557  | 21.6 | 1.5     | 28/ 24 |
| 44 | 99/07/09 | 23:52:46  | 00:04:25  | 23:53:21 | 699  | 82   | 21.6 | 1.5     | 28/ 24 |
| 45 | 99/07/10 | 05:09:26  | 05:10:32  | 05:09:39 | 66   | 47   | 21.6 | 1.5     | 28/ 24 |
| 46 | 99/07/10 | 05:59:15  | 06:08:54  | 06:03:06 | 579  | 32   | 21.6 | 1.5     | 28/ 24 |
| 47 | 99/07/10 | 06:17:50  | 06:18:48  | 06:17:54 | 58   | 33   | 21.6 | 1.5     | 28/ 24 |
| 48 | 99/07/11 | 00:12:01  | 00:43:21  | 00:12:41 | 1880 | 44   | 18.6 | 1.9     | 27/ 21 |
| 49 | 99/07/12 | 23:32:44  | 23:32:59  | 23:32:49 | 15   | 22   | 17.1 | 1.0     | 21/ 19 |
| 50 | 99/07/13 | 06:00:27  | 06:03:39  | 06:00:29 | 192  | 21   | 17.1 | 1.0     | 21/ 19 |
| 51 | 99/07/17 | 23:08:20  | 23:15:30  | 23:13:07 | 430  | 23   | 17.9 | 1.3     | 23/ 20 |
| 52 | 99/07/18 | 00:05:54  | 00:10:07  | 00:07:11 | 253  | 26   | 17.9 | 1.3     | 23/ 20 |
| 53 | 99/07/18 | 03:03:07  | 03:04:24  | 03:03:14 | 77   | 55   | 17.9 | 1.3     | 23/ 20 |
| 54 | 99/07/18 | 22:31:13  | 23:36:39  | 22:37:35 | 3926 | 38   | 20.0 | 3.4     | 34/ 25 |
| 55 | 99/07/19 | 00:50:37  | 01:01:02  | 00:51:55 | 625  | 40   | 20.0 | 3.4     | 34/ 25 |
| 56 | 99/07/19 | 01:43:59  | 03:45:02  | 01:56:11 | 7263 | 229  | 20.0 | 3.4     | 34/ 25 |
| 57 | 99/07/19 | 22:38:11  | 00:21:48  | 22:53:18 | 6217 | 45   | 20.5 | 2.2     | 30/ 24 |
| 58 | 99/07/20 | 00:22:38  | 00:41:27  | 00:22:55 | 1129 | 33   | 20.5 | 2.2     | 30/ 24 |
| 59 | 99/07/20 | 06:08:28  | 06:30:22# | 06:29:26 | 1314 | 39   | 20.5 | 2.2     | 30/ 24 |
| 60 | 99/07/20 | 23:03:05  | 23:12:39  | 23:03:26 | 574  | 29   | 21.2 | 1.7     | 28/ 24 |
| 61 | 99/07/21 | 02:43:49  | 02:44:04  | 02:43:51 | 15   | 29   | 21.2 | 1.7     | 28/ 24 |
| 62 | 99/07/21 | 03:18:45  | 03:18:56  | 03:18:48 | 11   | 30   | 21.2 | 1.7     | 28/ 24 |

EVENTLIST OF THE NOBEYAMA RADIOHELIOGRAPH  
OBSERVATION FREQUENCY = 17GHz ,34GHz

| №   | DAY      | START     | END       | MAX.TIME | DUR. | PEAK | MEAN | STD.DEV | TH_U/L |
|-----|----------|-----------|-----------|----------|------|------|------|---------|--------|
| 63  | 99/07/22 | 01:26:31  | 01:28:53  | 01:26:59 | 142  | 87   | 18.0 | 8.5     | 54/ 30 |
| 64  | 99/07/22 | 22:30:21# | 23:02:04  | 22:42:59 | 1903 | 31   | 18.4 | 1.5     | 25/ 21 |
| 65  | 99/07/22 | 23:07:33  | 23:42:00  | 23:32:17 | 2067 | 29   | 18.4 | 1.5     | 25/ 21 |
| 66  | 99/07/22 | 23:46:42  | 00:15:12  | 23:52:39 | 1710 | 28   | 18.4 | 1.5     | 25/ 21 |
| 67  | 99/07/23 | 01:42:59  | 01:43:19  | 01:43:00 | 20   | 26   | 18.4 | 1.5     | 25/ 21 |
| 68  | 99/07/23 | 02:14:56  | 02:16:00  | 02:15:19 | 64   | 238  | 18.4 | 1.5     | 25/ 21 |
| 69  | 99/07/23 | 04:47:40  | 04:54:54  | 04:49:20 | 434  | 29   | 18.4 | 1.5     | 25/ 21 |
| 70  | 99/07/23 | 05:38:30  | 06:19:19  | 05:59:41 | 2449 | 29   | 18.4 | 1.5     | 25/ 21 |
| 71  | 99/07/23 | 22:59:21  | 23:10:15  | 23:03:12 | 654  | 32   | 18.2 | 3.2     | 32/ 23 |
| 72  | 99/07/24 | 02:51:48  | 02:56:47  | 02:53:51 | 299  | 453  | 18.2 | 3.2     | 32/ 23 |
| 73  | 99/07/24 | 03:40:46  | 03:40:52  | 03:40:47 | 6    | 39   | 18.2 | 3.2     | 32/ 23 |
| 74  | 99/07/24 | 04:33:30  | 04:33:59  | 04:33:35 | 29   | 67   | 18.2 | 3.2     | 32/ 23 |
| 75  | 99/07/24 | 05:44:33  | 05:46:25  | 05:44:54 | 112  | 64   | 18.2 | 3.2     | 32/ 23 |
| 76  | 99/07/24 | 06:17:08  | 06:21:25  | 06:18:15 | 257  | 78   | 18.2 | 3.2     | 32/ 23 |
| 77  | 99/07/25 | 01:29:55  | 01:51:37  | 01:34:56 | 1302 | 43   | 19.7 | 2.7     | 31/ 24 |
| 78  | 99/07/25 | 05:28:20  | 05:28:57  | 05:28:34 | 37   | 47   | 19.7 | 2.7     | 31/ 24 |
| 79  | 99/07/25 | 22:30:24# | 22:47:29  | 22:30:46 | 1025 | 23   | 18.0 | 0.9     | 22/ 19 |
| 80  | 99/07/26 | 00:06:41  | 00:07:49  | 00:06:45 | 68   | 25   | 18.0 | 0.9     | 22/ 19 |
| 81  | 99/07/26 | 22:52:39  | 22:53:20  | 22:52:41 | 41   | 32   | 18.4 | 1.7     | 26/ 21 |
| 82  | 99/07/28 | 01:50:38  | 02:32:24  | 01:56:24 | 2506 | 933  | 19.2 | 1.1     | 24/ 21 |
| 83  | 99/07/28 | 22:30:23# | 22:38:44  | 22:34:32 | 501  | 25   | 19.1 | 0.9     | 23/ 21 |
| 84  | 99/07/28 | 22:50:28  | 23:09:35  | 22:58:26 | 1147 | 29   | 19.1 | 0.9     | 23/ 21 |
| 85  | 99/07/28 | 23:25:59  | 23:31:13  | 23:27:48 | 314  | 24   | 19.1 | 0.9     | 23/ 21 |
| 86  | 99/07/28 | 23:43:43  | 23:48:19  | 23:44:40 | 276  | 150  | 19.1 | 0.9     | 23/ 21 |
| 87  | 99/07/28 | 23:59:05  | 00:15:11  | 00:01:29 | 966  | 35   | 19.1 | 0.9     | 23/ 21 |
| 88  | 99/07/29 | 03:08:40  | 03:13:03  | 03:08:54 | 263  | 24   | 19.1 | 0.9     | 23/ 21 |
| 89  | 99/07/29 | 06:19:13  | 06:30:23# | 06:28:03 | 670  | 24   | 19.1 | 0.9     | 23/ 21 |
| 90  | 99/07/29 | 23:37:57  | 23:53:45  | 23:42:36 | 948  | 118  | 27.8 | 5.5     | 51/ 36 |
| 91  | 99/07/30 | 00:03:31  | 00:03:42  | 00:03:36 | 11   | 63   | 27.8 | 5.5     | 51/ 36 |
| 92  | 99/07/30 | 00:51:32  | 00:52:48  | 00:51:37 | 76   | 53   | 27.8 | 5.5     | 51/ 36 |
| 93  | 99/07/30 | 01:57:23  | 02:14:20  | 01:58:52 | 1017 | 168  | 27.8 | 5.5     | 51/ 36 |
| 94  | 99/07/30 | 22:30:23# | 23:17:50  | 22:58:09 | 2847 | 428  | 26.2 | 2.8     | 38/ 30 |
| 95  | 99/07/30 | 23:21:46  | 23:22:24  | 23:21:57 | 38   | 65   | 26.2 | 2.8     | 38/ 30 |
| 96  | 99/07/30 | 23:28:33  | 23:29:16  | 23:28:41 | 43   | 52   | 26.2 | 2.8     | 38/ 30 |
| 97  | 99/07/30 | 23:31:21  | 23:33:23  | 23:31:25 | 122  | 40   | 26.2 | 2.8     | 38/ 30 |
| 98  | 99/07/30 | 23:34:14  | 23:36:12  | 23:34:23 | 118  | 74   | 26.2 | 2.8     | 38/ 30 |
| 99  | 99/07/30 | 23:43:23  | 23:54:35  | 23:44:18 | 672  | 56   | 26.2 | 2.8     | 38/ 30 |
| 100 | 99/07/31 | 00:10:35  | 00:10:43  | 00:10:36 | 8    | 38   | 26.2 | 2.8     | 38/ 30 |
| 101 | 99/07/31 | 00:23:55  | 00:24:24  | 00:24:01 | 29   | 49   | 26.2 | 2.8     | 38/ 30 |
| 102 | 99/07/31 | 00:55:50  | 00:59:20  | 00:58:03 | 210  | 45   | 26.2 | 2.8     | 38/ 30 |
| 103 | 99/07/31 | 02:50:31  | 02:51:49  | 02:50:34 | 78   | 59   | 26.2 | 2.8     | 38/ 30 |

EVENTLIST OF THE NOBEYAMA RADIOHELIOGRAPH  
OBSERVATION FREQUENCY = 17GHz ,34GHz

| №   | DAY      | START    | END      | MAX.TIME | DUR. | PEAK | MEAN | STD.DEV | TH_U/L |
|-----|----------|----------|----------|----------|------|------|------|---------|--------|
| 104 | 99/07/31 | 04:05:13 | 04:08:17 | 04:05:43 | 184  | 104  | 26.2 | 2.8     | 38/ 30 |
| 105 | 99/07/31 | 04:09:20 | 04:09:34 | 04:09:22 | 14   | 42   | 26.2 | 2.8     | 38/ 30 |
| 106 | 99/07/31 | 04:09:49 | 04:10:00 | 04:09:52 | 11   | 44   | 26.2 | 2.8     | 38/ 30 |
| 107 | 99/07/31 | 04:34:13 | 04:36:23 | 04:34:21 | 130  | 50   | 26.2 | 2.8     | 38/ 30 |

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|----|----------|-----------|-----------|----------|------|------|------|-----|--------|
| 1  | 99/07/31 | 22:38:17  | 22:44:49  | 22:38:27 | 392  | 26   | 19.4 | 1.6 | 26/ 22 |
| 2  | 99/07/31 | 23:38:57  | 23:50:40  | 23:39:46 | 703  | 53   | 19.4 | 1.6 | 26/ 22 |
| 3  | 99/07/31 | 23:54:23  | 00:01:42  | 23:57:32 | 439  | 63   | 19.4 | 1.6 | 26/ 22 |
| 4  | 99/08/01 | 00:23:38  | 00:24:50  | 00:24:05 | 72   | 31   | 19.4 | 1.6 | 26/ 22 |
| 5  | 99/08/01 | 01:30:43  | 01:31:36  | 01:30:53 | 53   | 35   | 19.4 | 1.6 | 26/ 22 |
| 6  | 99/08/01 | 01:34:16  | 01:34:23  | 01:34:18 | 7    | 52   | 19.4 | 1.6 | 26/ 22 |
| 7  | 99/08/01 | 02:59:29  | 03:03:02  | 03:01:30 | 213  | 32   | 19.4 | 1.6 | 26/ 22 |
| 8  | 99/08/01 | 23:11:13  | 23:29:31  | 23:12:48 | 1098 | 629  | 20.7 | 2.8 | 33/ 25 |
| 9  | 99/08/02 | 00:08:49  | 01:35:31  | 00:26:46 | 5202 | 473  | 20.7 | 2.8 | 33/ 25 |
| 10 | 99/08/02 | 02:36:06  | 02:36:26  | 02:36:15 | 20   | 47   | 20.7 | 2.8 | 33/ 25 |
| 11 | 99/08/02 | 02:50:21  | 02:50:43  | 02:50:25 | 22   | 102  | 20.7 | 2.8 | 33/ 25 |
| 12 | 99/08/02 | 03:01:58  | 03:02:21  | 03:02:14 | 23   | 123  | 20.7 | 2.8 | 33/ 25 |
| 13 | 99/08/02 | 04:41:26  | 04:41:55  | 04:41:37 | 29   | 62   | 20.7 | 2.8 | 33/ 25 |
| 14 | 99/08/02 | 04:46:22  | 04:54:02  | 04:46:25 | 460  | 35   | 20.7 | 2.8 | 33/ 25 |
| 15 | 99/08/02 | 05:31:23  | 05:59:03  | 05:32:30 | 1660 | 435  | 20.7 | 2.8 | 33/ 25 |
| 16 | 99/08/02 | 06:27:33  | 06:30:21# | 06:27:43 | 168  | 1981 | 20.7 | 2.8 | 33/ 25 |
| 17 | 99/08/02 | 22:52:15  | 23:01:44  | 22:52:39 | 569  | 165  | 18.8 | 2.5 | 30/ 22 |
| 18 | 99/08/03 | 02:38:47  | 02:40:04  | 02:38:50 | 77   | 32   | 18.8 | 2.5 | 30/ 22 |
| 19 | 99/08/03 | 02:52:38  | 03:08:19  | 02:54:59 | 941  | 46   | 18.8 | 2.5 | 30/ 22 |
| 20 | 99/08/03 | 04:02:44  | 04:06:07  | 04:02:50 | 203  | 33   | 18.8 | 2.5 | 30/ 22 |
| 21 | 99/08/03 | 04:38:50  | 04:56:11  | 04:46:27 | 1041 | 44   | 18.8 | 2.5 | 30/ 22 |
| 22 | 99/08/03 | 04:58:46  | 06:08:25  | 05:00:59 | 4179 | 230  | 18.8 | 2.5 | 30/ 22 |
| 23 | 99/08/03 | 23:26:44  | 23:28:36  | 23:27:09 | 112  | 126  | 17.7 | 2.9 | 30/ 22 |
| 24 | 99/08/04 | 02:38:22  | 02:39:37  | 02:38:33 | 75   | 56   | 17.7 | 2.9 | 30/ 22 |
| 25 | 99/08/04 | 02:41:29  | 02:44:41  | 02:42:53 | 192  | 184  | 17.7 | 2.9 | 30/ 22 |
| 26 | 99/08/04 | 03:49:53  | 03:52:18  | 03:50:25 | 145  | 59   | 17.7 | 2.9 | 30/ 22 |
| 27 | 99/08/04 | 05:47:40  | 06:30:21# | 05:49:10 | 2561 | 3342 | 17.7 | 2.9 | 30/ 22 |
| 28 | 99/08/04 | 22:30:22# | 22:40:52  | 22:30:27 | 630  | 28   | 19.4 | 1.4 | 25/ 21 |
| 29 | 99/08/04 | 23:33:49  | 23:40:13  | 23:35:38 | 384  | 46   | 19.4 | 1.4 | 25/ 21 |
| 30 | 99/08/05 | 00:48:15  | 01:02:42  | 00:52:50 | 867  | 49   | 19.4 | 1.4 | 25/ 21 |
| 31 | 99/08/05 | 03:42:29  | 03:48:37  | 03:44:28 | 368  | 30   | 19.4 | 1.4 | 25/ 21 |
| 32 | 99/08/05 | 05:22:41  | 05:23:47  | 05:23:22 | 66   | 32   | 19.4 | 1.4 | 25/ 21 |
| 33 | 99/08/05 | 05:23:55  | 05:24:43  | 05:24:10 | 48   | 33   | 19.4 | 1.4 | 25/ 21 |
| 34 | 99/08/05 | 06:21:54  | 06:30:22# | 06:30:01 | 508  | 26   | 19.4 | 1.4 | 25/ 21 |

EVENTLIST OF THE NOBEYAMA RADIOHELIOGRAPH  
OBSERVATION FREQUENCY = 17GHz ,34GHz

| №  | DAY      | START     | END       | MAX.TIME | DUR. | PEAK  | MEAN | STD.DEV | TH_U/L |
|----|----------|-----------|-----------|----------|------|-------|------|---------|--------|
| 35 | 99/08/05 | 22:30:22# | 23:03:53  | 22:38:53 | 2011 | 215   | 17.7 | 2.9     | 30/ 22 |
| 36 | 99/08/06 | 04:21:34  | 04:38:40  | 04:30:47 | 1026 | 82    | 17.7 | 2.9     | 30/ 22 |
| 37 | 99/08/07 | 01:15:21  | 01:38:01  | 01:22:29 | 1360 | 29    | 18.7 | 1.8     | 27/ 21 |
| 38 | 99/08/07 | 23:06:37  | 23:43:32  | 23:08:56 | 2215 | 38    | 18.2 | 1.6     | 25/ 20 |
| 39 | 99/08/08 | 02:28:47  | 02:28:50  | 02:28:48 | 3    | 23    | 18.2 | 1.6     | 25/ 20 |
| 40 | 99/08/08 | 02:31:18  | 02:38:22  | 02:33:39 | 424  | 47    | 18.2 | 1.6     | 25/ 20 |
| 41 | 99/08/08 | 03:03:15  | 03:04:14  | 03:03:17 | 59   | 26    | 18.2 | 1.6     | 25/ 20 |
| 42 | 99/08/08 | 22:30:22# | 22:41:56  | 22:30:23 | 694  | 23    | 18.1 | 0.7     | 22/ 20 |
| 43 | 99/08/09 | 06:01:01  | 06:01:27  | 06:01:03 | 26   | 22    | 18.1 | 0.7     | 22/ 20 |
| 44 | 99/08/09 | 22:30:24# | 23:13:59  | 22:33:29 | 2615 | 30    | 17.3 | 1.0     | 22/ 19 |
| 45 | 99/08/09 | 23:32:45  | 00:01:58  | 23:37:49 | 1753 | 31    | 17.3 | 1.0     | 22/ 19 |
| 46 | 99/08/10 | 06:04:22  | 06:30:24# | 06:09:54 | 1562 | 55    | 17.3 | 1.0     | 22/ 19 |
| 47 | 99/08/10 | 22:30:25# | 22:56:28  | 22:31:09 | 1563 | 23    | 17.8 | 0.9     | 22/ 19 |
| 48 | 99/08/11 | 03:12:47  | 03:15:53  | 03:13:24 | 186  | 22    | 17.8 | 0.9     | 22/ 19 |
| 49 | 99/08/11 | 22:33:27  | 22:46:29  | 22:33:30 | 782  | 22    | 17.9 | 0.9     | 22/ 19 |
| 50 | 99/08/12 | 02:57:40  | 03:06:50  | 02:58:18 | 550  | 30    | 17.9 | 0.9     | 22/ 19 |
| 51 | 99/08/13 | 06:08:58  | 06:17:45  | 06:11:17 | 527  | 24    | 17.6 | 1.3     | 23/ 19 |
| 52 | 99/08/14 | 04:23:59  | 04:24:57  | 04:24:08 | 58   | 29    | 18.1 | 1.0     | 22/ 20 |
| 53 | 99/08/14 | 05:50:37  | 06:16:19  | 06:06:54 | 1542 | 27    | 18.1 | 1.0     | 22/ 20 |
| 54 | 99/08/14 | 06:17:25  | 06:30:22# | 06:28:10 | 777  | 27    | 18.1 | 1.0     | 22/ 20 |
| 55 | 99/08/15 | 01:20:56  | 01:21:45  | 01:21:15 | 49   | 56    | 35.6 | 4.2     | 53/ 41 |
| 56 | 99/08/16 | 22:30:21# | 01:16:21  | 22:30:49 | 9960 | 43    | 21.5 | 1.0     | 26/ 23 |
| 57 | 99/08/17 | 03:33:57  | 03:35:00  | 03:34:29 | 63   | 29    | 21.5 | 1.0     | 26/ 23 |
| 58 | 99/08/17 | 06:17:30  | 06:19:15  | 06:17:36 | 105  | 26    | 21.5 | 1.0     | 26/ 23 |
| 59 | 99/08/17 | 06:19:58  | 06:30:21# | 06:27:59 | 623  | 26    | 21.5 | 1.0     | 26/ 23 |
| 60 | 99/08/18 | 02:10:06  | 02:12:00  | 02:10:07 | 114  | 23    | 18.8 | 0.9     | 23/ 20 |
| 61 | 99/08/18 | 06:25:27  | 06:53:03  | 06:30:54 | 1656 | 45    | 18.8 | 0.9     | 23/ 20 |
| 62 | 99/08/18 | 22:53:38  | 22:59:54  | 22:53:47 | 376  | 25    | 17.8 | 1.2     | 23/ 20 |
| 63 | 99/08/19 | 01:06:39  | 01:11:15  | 01:07:52 | 276  | 25    | 17.8 | 1.2     | 23/ 20 |
| 64 | 99/08/20 | 03:15:12  | 03:16:02  | 03:15:24 | 50   | 27    | 18.2 | 1.1     | 23/ 20 |
| 65 | 99/08/20 | 03:27:29  | 03:28:27  | 03:27:35 | 58   | 77    | 18.2 | 1.1     | 23/ 20 |
| 66 | 99/08/20 | 23:03:00  | 23:15:00  | 23:06:09 | 720  | 11074 | 19.2 | 1.4     | 25/ 21 |
| 67 | 99/08/21 | 01:03:59  | 01:04:44  | 01:04:20 | 45   | 26    | 19.2 | 1.4     | 25/ 21 |
| 68 | 99/08/21 | 01:31:26  | 01:31:44  | 01:31:32 | 18   | 74    | 19.2 | 1.4     | 25/ 21 |
| 69 | 99/08/21 | 01:57:05  | 01:57:23  | 01:57:07 | 18   | 29    | 19.2 | 1.4     | 25/ 21 |
| 70 | 99/08/21 | 02:01:38  | 02:02:11  | 02:01:45 | 33   | 25    | 19.2 | 1.4     | 25/ 21 |
| 71 | 99/08/21 | 04:55:24  | 04:57:52  | 04:55:40 | 148  | 40    | 19.2 | 1.4     | 25/ 21 |
| 72 | 99/08/21 | 04:59:44  | 05:00:11  | 04:59:48 | 27   | 29    | 19.2 | 1.4     | 25/ 21 |
| 73 | 99/08/21 | 05:59:15  | 06:11:40  | 06:03:20 | 745  | 26    | 19.2 | 1.4     | 25/ 21 |
| 74 | 99/08/21 | 06:15:31  | 06:30:24# | 06:22:58 | 893  | 27    | 19.2 | 1.4     | 25/ 21 |
| 75 | 99/08/21 | 22:30:23# | 23:24:50  | 23:06:15 | 3267 | 42    | 24.2 | 1.9     | 32/ 27 |

EVENTLIST OF THE NOBEYAMA RADIOHELIOGRAPH  
OBSERVATION FREQUENCY = 17GHz ,34GHz

| №   | DAY      | START     | END       | MAX.TIME | DUR. | PEAK | MEAN | STD.DEV | TH_U/L |
|-----|----------|-----------|-----------|----------|------|------|------|---------|--------|
| 76  | 99/08/22 | 02:43:22  | 02:44:20  | 02:43:23 | 58   | 33   | 24.2 | 1.9     | 32/ 27 |
| 77  | 99/08/22 | 03:32:20  | 03:33:14  | 03:32:38 | 54   | 67   | 24.2 | 1.9     | 32/ 27 |
| 78  | 99/08/22 | 04:49:37  | 04:49:38  | 04:49:38 | 1    | 25   | 24.2 | 1.9     | 32/ 27 |
| 79  | 99/08/22 | 05:58:45  | 05:59:11  | 05:58:52 | 26   | 42   | 24.2 | 1.9     | 32/ 27 |
| 80  | 99/08/22 | 05:59:17  | 05:59:48  | 05:59:21 | 31   | 39   | 24.2 | 1.9     | 32/ 27 |
| 81  | 99/08/22 | 22:30:23# | 23:30:49  | 22:45:19 | 3626 | 37   | 25.0 | 1.3     | 31/ 27 |
| 82  | 99/08/22 | 23:37:59  | 23:55:23  | 23:54:08 | 1044 | 39   | 25.0 | 1.3     | 31/ 27 |
| 83  | 99/08/23 | 00:04:33  | 00:05:33  | 00:04:34 | 60   | 32   | 25.0 | 1.3     | 31/ 27 |
| 84  | 99/08/23 | 01:41:44  | 01:43:48  | 01:42:48 | 124  | 72   | 25.0 | 1.3     | 31/ 27 |
| 85  | 99/08/23 | 04:30:38  | 04:30:56  | 04:30:39 | 18   | 37   | 25.0 | 1.3     | 31/ 27 |
| 86  | 99/08/23 | 05:49:05  | 06:30:23# | 06:19:47 | 2478 | 35   | 25.0 | 1.3     | 31/ 27 |
| 87  | 99/08/23 | 23:07:47  | 23:09:02  | 23:07:48 | 75   | 72   | 26.0 | 3.8     | 42/ 31 |
| 88  | 99/08/24 | 22:30:24# | 00:17:35  | 22:43:01 | 6431 | 44   | 25.6 | 1.5     | 32/ 28 |
| 89  | 99/08/25 | 01:34:01  | 01:48:46  | 01:35:31 | 885  | 6356 | 25.6 | 1.5     | 32/ 28 |
| 90  | 99/08/25 | 03:32:28  | 03:32:34  | 03:32:29 | 6    | 39   | 25.6 | 1.5     | 32/ 28 |
| 91  | 99/08/25 | 22:30:21# | 00:18:15  | 22:33:04 | 6474 | 39   | 21.7 | 1.4     | 27/ 24 |
| 92  | 99/08/26 | 02:53:16  | 02:53:26  | 02:53:19 | 10   | 35   | 21.7 | 1.4     | 27/ 24 |
| 93  | 99/08/26 | 03:40:57  | 03:42:06  | 03:41:06 | 69   | 177  | 21.7 | 1.4     | 27/ 24 |
| 94  | 99/08/26 | 04:30:58  | 04:31:29  | 04:31:10 | 31   | 65   | 21.7 | 1.4     | 27/ 24 |
| 95  | 99/08/26 | 04:35:52  | 04:36:04  | 04:36:00 | 12   | 35   | 21.7 | 1.4     | 27/ 24 |
| 96  | 99/08/27 | 01:29:47  | 01:49:38  | 01:32:42 | 1191 | 80   | 26.4 | 5.8     | 51/ 34 |
| 97  | 99/08/27 | 02:39:58  | 02:40:39  | 02:40:05 | 41   | 59   | 26.4 | 5.8     | 51/ 34 |
| 98  | 99/08/27 | 05:11:38  | 05:21:13  | 05:12:28 | 575  | 132  | 26.4 | 5.8     | 51/ 34 |
| 99  | 99/08/27 | 06:06:59  | 06:11:03  | 06:07:35 | 244  | 79   | 26.4 | 5.8     | 51/ 34 |
| 100 | 99/08/27 | 22:30:21# | 23:23:31  | 22:53:15 | 3190 | 80   | 20.7 | 2.0     | 29/ 24 |
| 101 | 99/08/28 | 00:17:29  | 00:18:13  | 00:17:32 | 44   | 39   | 20.7 | 2.0     | 29/ 24 |
| 102 | 99/08/28 | 00:52:28  | 01:23:31  | 00:56:41 | 1863 | 1591 | 20.7 | 2.0     | 29/ 24 |
| 103 | 99/08/28 | 02:05:56  | 02:25:57  | 02:11:22 | 1201 | 191  | 20.7 | 2.0     | 29/ 24 |
| 104 | 99/08/28 | 02:33:16  | 02:36:16  | 02:33:56 | 180  | 54   | 20.7 | 2.0     | 29/ 24 |
| 105 | 99/08/28 | 05:55:10  | 05:55:18  | 05:55:13 | 8    | 53   | 20.7 | 2.0     | 29/ 24 |
| 106 | 99/08/28 | 06:09:32  | 06:11:06  | 06:09:33 | 94   | 33   | 20.7 | 2.0     | 29/ 24 |
| 107 | 99/08/28 | 22:30:22# | 22:49:06  | 22:30:39 | 1124 | 34   | 21.7 | 1.4     | 27/ 24 |
| 108 | 99/08/28 | 23:20:24  | 23:25:05  | 23:20:39 | 281  | 287  | 21.7 | 1.4     | 27/ 24 |
| 109 | 99/08/28 | 23:31:19  | 23:33:17  | 23:31:35 | 118  | 32   | 21.7 | 1.4     | 27/ 24 |
| 110 | 99/08/29 | 01:41:25  | 01:42:52  | 01:41:39 | 87   | 123  | 21.7 | 1.4     | 27/ 24 |
| 111 | 99/08/29 | 03:33:17  | 03:33:21  | 03:33:18 | 4    | 28   | 21.7 | 1.4     | 27/ 24 |
| 112 | 99/08/29 | 06:26:38  | 06:30:22# | 06:26:55 | 224  | 30   | 21.7 | 1.4     | 27/ 24 |
| 113 | 99/08/30 | 01:14:24  | 01:14:52  | 01:14:25 | 28   | 31   | 19.7 | 1.6     | 27/ 22 |
| 114 | 99/08/30 | 01:30:43  | 01:36:19  | 01:31:04 | 336  | 28   | 19.7 | 1.6     | 27/ 22 |
| 115 | 99/08/30 | 04:20:12  | 04:21:20  | 04:20:26 | 68   | 44   | 19.7 | 1.6     | 27/ 22 |
| 116 | 99/08/31 | 00:32:23  | 00:36:35  | 00:33:44 | 252  | 35   | 18.2 | 1.8     | 26/ 21 |

EVENTLIST OF THE NOBEYAMA RADIOHELIOGRAPH  
OBSERVATION FREQUENCY = 17GHz ,34GHz

| №   | DAY      | START    | END       | MAX.TIME | DUR. | PEAK | MEAN | STD.DEV | TH_U/L |
|-----|----------|----------|-----------|----------|------|------|------|---------|--------|
| 117 | 99/08/31 | 00:43:14 | 00:45:13  | 00:43:26 | 119  | 33   | 18.2 | 1.8     | 26/ 21 |
| 118 | 99/08/31 | 03:46:11 | 03:48:19  | 03:46:42 | 128  | 254  | 18.2 | 1.8     | 26/ 21 |
| 119 | 99/08/31 | 05:44:39 | 06:30:21# | 05:49:17 | 2742 | 43   | 18.2 | 1.8     | 26/ 21 |

SEPTEMBER 1999

|    |          |           |           |          |      |      |      |     |        |
|----|----------|-----------|-----------|----------|------|------|------|-----|--------|
| 1  | 99/08/31 | 22:45:24# | 23:15:24  | 22:45:44 | 1800 | 27   | 17.9 | 0.7 | 22/ 19 |
| 2  | 99/09/01 | 00:33:26  | 01:04:55  | 00:37:05 | 1889 | 26   | 17.9 | 0.7 | 22/ 19 |
| 3  | 99/09/01 | 06:41:35  | 06:44:58# | 06:44:29 | 203  | 23   | 17.9 | 0.7 | 22/ 19 |
| 4  | 99/09/05 | 05:40:49  | 05:57:16  | 05:47:25 | 987  | 24   | 17.9 | 0.7 | 22/ 19 |
| 5  | 99/09/06 | 22:46:26  | 22:47:56  | 22:46:28 | 90   | 23   | 18.3 | 1.0 | 23/ 20 |
| 6  | 99/09/06 | 23:01:29  | 23:01:42  | 23:01:30 | 13   | 22   | 18.3 | 1.0 | 23/ 20 |
| 7  | 99/09/07 | 01:07:14  | 01:07:17  | 01:07:15 | 3    | 23   | 18.3 | 1.0 | 23/ 20 |
| 8  | 99/09/07 | 01:13:49  | 01:13:56  | 01:13:50 | 7    | 32   | 18.3 | 1.0 | 23/ 20 |
| 9  | 99/09/07 | 03:43:21  | 03:43:29  | 03:43:22 | 8    | 23   | 18.3 | 1.0 | 23/ 20 |
| 10 | 99/09/07 | 23:02:20  | 23:49:33  | 23:07:02 | 2833 | 79   | 18.0 | 1.0 | 22/ 19 |
| 11 | 99/09/08 | 05:22:27  | 05:24:30  | 05:22:35 | 123  | 271  | 18.0 | 1.0 | 22/ 19 |
| 12 | 99/09/08 | 05:53:20  | 05:58:13  | 05:55:16 | 293  | 774  | 18.0 | 1.0 | 22/ 19 |
| 13 | 99/09/10 | 06:44:27  | 06:45:00# | 06:44:55 | 33   | 22   | 17.8 | 0.9 | 22/ 19 |
| 14 | 99/09/11 | 02:21:12  | 02:28:11  | 02:25:26 | 419  | 48   | 17.9 | 1.0 | 22/ 19 |
| 15 | 99/09/11 | 06:25:56  | 06:44:59# | 06:31:51 | 1143 | 51   | 17.9 | 1.0 | 22/ 19 |
| 16 | 99/09/12 | 03:35:55  | 04:06:52  | 03:41:28 | 1857 | 36   | 18.3 | 1.1 | 23/ 20 |
| 17 | 99/09/12 | 05:54:18  | 06:45:01# | 06:18:20 | 3043 | 44   | 18.3 | 1.1 | 23/ 20 |
| 18 | 99/09/13 | 01:27:01  | 01:28:17  | 01:27:24 | 76   | 47   | 18.1 | 0.9 | 22/ 20 |
| 19 | 99/09/13 | 06:36:01  | 06:44:59# | 06:44:56 | 538  | 23   | 18.1 | 0.9 | 22/ 20 |
| 20 | 99/09/13 | 22:45:21# | 23:00:06  | 22:48:07 | 885  | 23   | 18.3 | 1.0 | 23/ 20 |
| 21 | 99/09/13 | 23:02:25  | 23:10:48  | 23:02:32 | 503  | 23   | 18.3 | 1.0 | 23/ 20 |
| 22 | 99/09/14 | 00:41:59  | 00:46:20  | 00:42:19 | 261  | 23   | 18.3 | 1.0 | 23/ 20 |
| 23 | 99/09/14 | 01:37:07  | 01:37:45  | 01:37:12 | 38   | 51   | 18.3 | 1.0 | 23/ 20 |
| 24 | 99/09/14 | 02:37:28  | 02:41:09  | 02:39:34 | 221  | 23   | 18.3 | 1.0 | 23/ 20 |
| 25 | 99/09/14 | 04:01:01  | 04:01:34  | 04:01:06 | 33   | 37   | 18.3 | 1.0 | 23/ 20 |
| 26 | 99/09/14 | 04:02:49  | 04:06:36  | 04:03:38 | 227  | 25   | 18.3 | 1.0 | 23/ 20 |
| 27 | 99/09/14 | 05:48:54  | 05:55:53  | 05:52:29 | 419  | 24   | 18.3 | 1.0 | 23/ 20 |
| 28 | 99/09/14 | 06:31:47  | 06:44:59# | 06:33:11 | 792  | 25   | 18.3 | 1.0 | 23/ 20 |
| 29 | 99/09/15 | 02:04:59  | 02:14:55  | 02:08:37 | 596  | 26   | 17.9 | 0.9 | 22/ 19 |
| 30 | 99/09/15 | 06:12:18  | 06:15:22  | 06:12:22 | 184  | 25   | 17.9 | 0.9 | 22/ 19 |
| 31 | 99/09/16 | 02:11:12  | 02:11:18  | 02:11:15 | 6    | 31   | 17.3 | 0.7 | 22/ 19 |
| 32 | 99/09/16 | 03:26:21  | 03:42:03  | 03:28:12 | 942  | 65   | 17.3 | 0.7 | 22/ 19 |
| 33 | 99/09/17 | 01:11:26  | 01:12:38  | 01:12:11 | 72   | 121  | 18.2 | 0.9 | 22/ 20 |
| 34 | 99/09/17 | 01:16:24  | 01:37:46  | 01:18:20 | 1282 | 1539 | 18.2 | 0.9 | 22/ 20 |
| 35 | 99/09/17 | 22:45:23  | 22:56:13  | 22:46:08 | 650  | 23   | 18.3 | 0.8 | 23/ 20 |

EVENTLIST OF THE NOBEYAMA RADIOHELIOGRAPH  
OBSERVATION FREQUENCY = 17GHz ,34GHz

| №  | DAY      | START    | END       | MAX.TIME | DUR. | PEAK | MEAN | STD.DEV | TH_U/L |
|----|----------|----------|-----------|----------|------|------|------|---------|--------|
| 36 | 99/09/18 | 06:36:06 | 06:45:00# | 06:44:25 | 534  | 24   | 18.3 | 0.8     | 23/ 20 |
| 37 | 99/09/19 | 00:24:30 | 00:26:02  | 00:24:33 | 92   | 72   | 17.9 | 1.3     | 24/ 20 |
| 38 | 99/09/19 | 01:59:49 | 02:07:17  | 02:01:55 | 448  | 24   | 17.9 | 1.3     | 24/ 20 |
| 39 | 99/09/19 | 23:04:39 | 23:46:51  | 23:06:39 | 2532 | 314  | 18.6 | 1.1     | 23/ 20 |
| 40 | 99/09/20 | 05:48:50 | 06:13:05  | 05:51:51 | 1455 | 32   | 18.6 | 1.1     | 23/ 20 |
| 41 | 99/09/20 | 23:18:11 | 23:18:54  | 23:18:13 | 43   | 25   | 17.5 | 1.6     | 24/ 20 |
| 42 | 99/09/20 | 23:23:03 | 23:51:00  | 23:29:23 | 1677 | 31   | 17.5 | 1.6     | 24/ 20 |
| 43 | 99/09/21 | 03:47:04 | 04:32:28  | 03:56:36 | 2724 | 56   | 17.5 | 1.6     | 24/ 20 |
| 44 | 99/09/23 | 00:27:49 | 00:47:46  | 00:36:53 | 1197 | 28   | 18.0 | 0.9     | 22/ 19 |
| 45 | 99/09/24 | 22:45:21 | 22:47:23  | 22:45:28 | 122  | 22   | 17.8 | 0.8     | 22/ 19 |
| 46 | 99/09/25 | 06:36:17 | 06:45:00# | 06:42:00 | 523  | 23   | 17.8 | 0.8     | 22/ 19 |
| 47 | 99/09/26 | 06:44:02 | 06:44:58# | 06:44:54 | 56   | 22   | 17.9 | 0.7     | 22/ 19 |
| 48 | 99/09/27 | 22:45:41 | 22:55:57  | 22:45:50 | 616  | 23   | 17.8 | 0.7     | 22/ 19 |
| 49 | 99/09/27 | 23:32:27 | 23:52:00  | 23:39:29 | 1173 | 29   | 17.8 | 0.7     | 22/ 19 |
| 50 | 99/09/28 | 06:41:57 | 06:44:59# | 06:43:54 | 182  | 22   | 17.8 | 0.7     | 22/ 19 |
| 51 | 99/09/30 | 04:07:44 | 04:15:34  | 04:09:38 | 470  | 23   | 17.7 | 0.6     | 22/ 19 |
| 52 | 99/09/30 | 05:04:40 | 05:23:52  | 05:08:29 | 1152 | 25   | 17.7 | 0.6     | 22/ 19 |
| 53 | 99/09/30 | 06:18:36 | 06:44:58# | 06:28:49 | 1582 | 23   | 17.7 | 0.6     | 22/ 19 |

OCTOBER 1999

|    |          |          |           |          |      |     |      |      |        |
|----|----------|----------|-----------|----------|------|-----|------|------|--------|
| 1  | 99/10/02 | 02:03:18 | 02:09:42  | 02:06:51 | 384  | 46  | 19.7 | 1.2  | 25/ 21 |
| 2  | 99/10/02 | 05:58:29 | 06:06:24  | 05:58:36 | 475  | 27  | 19.7 | 1.2  | 25/ 21 |
| 3  | 99/10/03 | 05:55:54 | 06:35:21# | 06:11:47 | 2367 | 26  | 19.8 | 1.1  | 24/ 21 |
| 4  | 99/10/04 | 23:15:20 | 23:19:23  | 23:18:05 | 243  | 23  | 18.9 | 0.8  | 23/ 20 |
| 5  | 99/10/05 | 05:41:48 | 06:45:00# | 05:47:39 | 3792 | 34  | 18.9 | 0.8  | 23/ 20 |
| 6  | 99/10/05 | 23:03:28 | 23:06:08  | 23:03:35 | 160  | 24  | 18.9 | 0.8  | 23/ 20 |
| 7  | 99/10/05 | 23:06:23 | 23:09:15  | 23:06:45 | 172  | 29  | 18.9 | 0.8  | 23/ 20 |
| 8  | 99/10/06 | 06:11:39 | 06:44:59# | 06:43:50 | 2000 | 25  | 18.9 | 0.8  | 23/ 20 |
| 9  | 99/10/07 | 04:28:03 | 04:47:24  | 04:35:23 | 1161 | 38  | 18.3 | 0.9  | 23/ 20 |
| 10 | 99/10/07 | 05:19:54 | 05:34:28  | 05:20:54 | 874  | 44  | 18.3 | 0.9  | 23/ 20 |
| 11 | 99/10/07 | 22:46:06 | 23:27:53  | 23:27:52 | 2507 | 539 | 0.1  | -7.0 | 20/ 17 |
| 12 | 99/10/08 | 00:02:40 | 00:02:41  | 00:02:41 | 1    | 0   | 0.1  | -7.0 | 20/ 17 |
| 13 | 99/10/08 | 01:41:38 | 01:41:39  | 01:41:39 | 1    | 0   | 0.1  | -7.0 | 20/ 17 |
| 14 | 99/10/08 | 02:41:38 | 02:41:39  | 02:41:39 | 1    | 0   | 0.1  | -7.0 | 20/ 17 |
| 15 | 99/10/08 | 04:00:24 | 04:00:25  | 04:00:25 | 1    | 0   | 0.1  | -7.0 | 20/ 17 |
| 16 | 99/10/08 | 06:41:40 | 06:44:23# | 06:42:41 | 163  | 25  | 0.1  | -7.0 | 20/ 17 |
| 17 | 99/10/09 | 04:33:34 | 04:52:09  | 04:40:03 | 1115 | 25  | 18.5 | 0.7  | 23/ 20 |
| 18 | 99/10/09 | 06:28:51 | 06:44:56# | 06:39:10 | 965  | 24  | 18.5 | 0.7  | 23/ 20 |
| 19 | 99/10/10 | 00:37:57 | 00:40:10  | 00:38:11 | 133  | 57  | 19.2 | 2.1  | 28/ 22 |
| 20 | 99/10/11 | 02:46:35 | 02:46:38  | 02:46:36 | 3    | 41  | 19.2 | 1.3  | 25/ 21 |

EVENTLIST OF THE NOBEYAMA RADIOHELIOGRAPH  
OBSERVATION FREQUENCY = 17GHz ,34GHz

| №  | DAY      | START    | END       | MAX.TIME | DUR. | PEAK | MEAN | STD.DEV | TH_U/L |
|----|----------|----------|-----------|----------|------|------|------|---------|--------|
| 21 | 99/10/11 | 02:46:46 | 02:46:47  | 02:46:47 | 1    | 20   | 19.2 | 1.3     | 25/ 21 |
| 22 | 99/10/11 | 02:46:52 | 02:46:54  | 02:46:53 | 2    | 22   | 19.2 | 1.3     | 25/ 21 |
| 23 | 99/10/13 | 23:19:53 | 23:22:23  | 23:20:35 | 150  | 29   | 21.9 | 1.5     | 28/ 24 |
| 24 | 99/10/14 | 02:30:38 | 02:32:07  | 02:31:26 | 89   | 189  | 21.9 | 1.5     | 28/ 24 |
| 25 | 99/10/14 | 02:33:12 | 02:46:42  | 02:38:29 | 810  | 36   | 21.9 | 1.5     | 28/ 24 |
| 26 | 99/10/14 | 03:12:40 | 03:13:26  | 03:12:53 | 46   | 38   | 21.9 | 1.5     | 28/ 24 |
| 27 | 99/10/14 | 06:36:01 | 06:36:26  | 06:36:09 | 25   | 38   | 21.9 | 1.5     | 28/ 24 |
| 28 | 99/10/14 | 23:52:16 | 23:52:49  | 23:52:21 | 33   | 42   | 19.9 | 2.7     | 31/ 24 |
| 29 | 99/10/15 | 00:26:02 | 00:26:13  | 00:26:03 | 11   | 31   | 19.9 | 2.7     | 31/ 24 |
| 30 | 99/10/15 | 01:03:35 | 01:54:00  | 01:07:28 | 3025 | 60   | 19.9 | 2.7     | 31/ 24 |
| 31 | 99/10/15 | 23:55:10 | 23:55:34  | 23:55:16 | 24   | 59   | 20.2 | 1.7     | 27/ 23 |
| 32 | 99/10/15 | 23:55:43 | 23:55:47  | 23:55:44 | 4    | 25   | 20.2 | 1.7     | 27/ 23 |
| 33 | 99/10/15 | 23:57:34 | 00:02:04  | 23:57:51 | 270  | 34   | 20.2 | 1.7     | 27/ 23 |
| 34 | 99/10/16 | 01:22:23 | 01:23:06  | 01:22:29 | 43   | 89   | 20.2 | 1.7     | 27/ 23 |
| 35 | 99/10/16 | 03:03:07 | 03:06:22  | 03:03:47 | 195  | 45   | 20.2 | 1.7     | 27/ 23 |
| 36 | 99/10/16 | 03:53:26 | 03:55:49  | 03:54:49 | 143  | 30   | 20.2 | 1.7     | 27/ 23 |
| 37 | 99/10/16 | 06:40:51 | 06:45:00# | 06:43:09 | 249  | 29   | 20.2 | 1.7     | 27/ 23 |
| 38 | 99/10/17 | 00:28:22 | 00:34:31  | 00:29:30 | 369  | 178  | 21.0 | 2.3     | 31/ 24 |
| 39 | 99/10/17 | 01:02:05 | 01:11:22  | 01:02:32 | 557  | 62   | 21.0 | 2.3     | 31/ 24 |
| 40 | 99/10/17 | 02:23:16 | 02:43:48  | 02:28:45 | 1232 | 36   | 21.0 | 2.3     | 31/ 24 |
| 41 | 99/10/17 | 02:56:39 | 03:32:43  | 02:57:28 | 2164 | 130  | 21.0 | 2.3     | 31/ 24 |
| 42 | 99/10/17 | 06:15:27 | 06:34:23  | 06:15:47 | 1136 | 37   | 21.0 | 2.3     | 31/ 24 |
| 43 | 99/10/17 | 23:23:51 | 23:53:41  | 23:25:48 | 1790 | 56   | 22.3 | 2.8     | 34/ 26 |
| 44 | 99/10/18 | 01:06:06 | 01:27:14  | 01:12:40 | 1268 | 155  | 22.3 | 2.8     | 34/ 26 |
| 45 | 99/10/18 | 04:04:23 | 04:05:46  | 04:04:33 | 83   | 37   | 22.3 | 2.8     | 34/ 26 |
| 46 | 99/10/18 | 06:21:02 | 06:22:08  | 06:21:14 | 66   | 47   | 22.3 | 2.8     | 34/ 26 |
| 47 | 99/10/18 | 23:41:47 | 23:51:24  | 23:43:32 | 577  | 35   | 20.9 | 2.4     | 31/ 24 |
| 48 | 99/10/19 | 03:19:10 | 03:27:11  | 03:22:04 | 481  | 40   | 20.9 | 2.4     | 31/ 24 |
| 49 | 99/10/20 | 01:43:30 | 01:43:46  | 01:43:32 | 16   | 23   | 18.6 | 0.8     | 23/ 20 |
| 50 | 99/10/20 | 05:54:29 | 06:44:58# | 05:56:50 | 3029 | 170  | 18.6 | 0.8     | 23/ 20 |
| 51 | 99/10/23 | 00:49:50 | 00:50:02  | 00:49:54 | 12   | 36   | 19.0 | 1.3     | 24/ 21 |
| 52 | 99/10/23 | 04:26:52 | 04:37:22  | 04:28:23 | 630  | 28   | 19.0 | 1.3     | 24/ 21 |
| 53 | 99/10/23 | 05:47:39 | 06:44:59# | 06:16:01 | 3440 | 28   | 19.0 | 1.3     | 24/ 21 |
| 54 | 99/10/24 | 01:29:46 | 01:31:01  | 01:29:59 | 75   | 121  | 18.5 | 0.7     | 23/ 20 |
| 55 | 99/10/24 | 06:44:50 | 06:44:58# | 06:44:52 | 8    | 23   | 18.5 | 0.7     | 23/ 20 |
| 56 | 99/10/25 | 00:12:02 | 00:12:05  | 00:12:03 | 3    | 22   | 18.4 | 0.8     | 23/ 20 |
| 57 | 99/10/25 | 02:23:07 | 02:25:02  | 02:23:17 | 115  | 212  | 18.4 | 0.8     | 23/ 20 |
| 58 | 99/10/25 | 05:27:27 | 05:35:15  | 05:31:51 | 468  | 31   | 18.4 | 0.8     | 23/ 20 |
| 59 | 99/10/25 | 06:28:08 | 06:44:58# | 06:29:55 | 1010 | 1499 | 18.4 | 0.8     | 23/ 20 |
| 60 | 99/10/25 | 22:45:55 | 00:14:40  | 23:46:03 | 5325 | 51   | 19.1 | 0.8     | 23/ 20 |
| 61 | 99/10/26 | 00:53:32 | 00:54:29  | 00:53:37 | 57   | 29   | 19.1 | 0.8     | 23/ 20 |
| 62 | 99/10/26 | 01:05:49 | 01:09:10  | 01:08:16 | 201  | 25   | 19.1 | 0.8     | 23/ 20 |
| 63 | 99/10/26 | 02:25:48 | 02:29:02  | 02:26:09 | 194  | 226  | 19.1 | 0.8     | 23/ 20 |

EVENTLIST OF THE NOBEYAMA RADIOHELIOGRAPH  
OBSERVATION FREQUENCY = 17GHz ,34GHz

| №  | DAY      | START    | END       | MAX.TIME | DUR. | PEAK | MEAN | STD.DEV | TH_U/L |
|----|----------|----------|-----------|----------|------|------|------|---------|--------|
| 64 | 99/10/26 | 03:31:34 | 03:34:19  | 03:31:40 | 165  | 241  | 19.1 | 0.8     | 23/ 20 |
| 65 | 99/10/26 | 04:45:24 | 04:47:51  | 04:45:57 | 147  | 78   | 19.1 | 0.8     | 23/ 20 |
| 66 | 99/10/26 | 06:04:58 | 06:44:59# | 06:44:43 | 2401 | 34   | 19.1 | 0.8     | 23/ 20 |
| 67 | 99/10/26 | 22:45:30 | 22:49:22  | 22:45:40 | 232  | 22   | 17.9 | 1.0     | 22/ 19 |
| 68 | 99/10/26 | 22:55:23 | 23:06:46  | 22:56:18 | 683  | 22   | 17.9 | 1.0     | 22/ 19 |
| 69 | 99/10/26 | 23:14:39 | 23:16:28  | 23:15:15 | 109  | 23   | 17.9 | 1.0     | 22/ 19 |
| 70 | 99/10/27 | 04:27:48 | 04:27:55  | 04:27:49 | 7    | 28   | 17.9 | 1.0     | 22/ 19 |
| 71 | 99/10/27 | 04:28:02 | 04:28:03  | 04:28:03 | 1    | 19   | 17.9 | 1.0     | 22/ 19 |
| 72 | 99/10/27 | 04:28:08 | 04:34:47  | 04:28:35 | 399  | 140  | 17.9 | 1.0     | 22/ 19 |
| 73 | 99/10/28 | 05:29:17 | 05:36:37  | 05:30:00 | 440  | 25   | 18.5 | 1.0     | 23/ 20 |
| 74 | 99/10/28 | 06:29:09 | 06:43:33  | 06:31:40 | 864  | 24   | 18.5 | 1.0     | 23/ 20 |
| 75 | 99/10/30 | 06:28:28 | 06:44:57# | 06:28:46 | 989  | 22   | 18.2 | 0.7     | 22/ 20 |
| 76 | 99/10/30 | 23:57:54 | 00:35:28  | 00:08:00 | 2254 | 31   | 18.7 | 1.0     | 23/ 20 |
| 77 | 99/10/31 | 02:14:27 | 02:21:20  | 02:15:13 | 413  | 29   | 18.7 | 1.0     | 23/ 20 |
| 78 | 99/10/31 | 04:02:09 | 04:14:06  | 04:04:52 | 717  | 24   | 18.7 | 1.0     | 23/ 20 |
| 79 | 99/10/31 | 05:11:49 | 05:16:47  | 05:13:09 | 298  | 24   | 18.7 | 1.0     | 23/ 20 |

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|    |          |           |           |          |      |     |      |     |        |
|----|----------|-----------|-----------|----------|------|-----|------|-----|--------|
| 1  | 99/11/01 | 23:35:48  | 23:42:36  | 23:37:56 | 408  | 32  | 18.6 | 1.2 | 24/ 20 |
| 2  | 99/11/02 | 02:05:21  | 02:08:48  | 02:05:35 | 207  | 25  | 18.6 | 1.2 | 24/ 20 |
| 3  | 99/11/02 | 04:05:45  | 04:09:48  | 04:06:46 | 243  | 139 | 18.6 | 1.2 | 24/ 20 |
| 4  | 99/11/02 | 06:15:27  | 06:23:35  | 06:15:48 | 488  | 34  | 18.6 | 1.2 | 24/ 20 |
| 5  | 99/11/03 | 06:35:27  | 06:44:58# | 06:35:38 | 571  | 23  | 18.4 | 0.7 | 23/ 20 |
| 6  | 99/11/03 | 22:45:21# | 23:17:40  | 22:52:03 | 1939 | 92  | 19.2 | 3.6 | 34/ 24 |
| 7  | 99/11/04 | 00:55:53  | 01:12:30  | 00:57:30 | 997  | 43  | 19.2 | 3.6 | 34/ 24 |
| 8  | 99/11/04 | 01:30:41  | 01:31:06  | 01:30:42 | 25   | 74  | 19.2 | 3.6 | 34/ 24 |
| 9  | 99/11/04 | 01:41:15  | 01:57:25  | 01:42:14 | 970  | 37  | 19.2 | 3.6 | 34/ 24 |
| 10 | 99/11/04 | 02:52:34  | 03:20:57  | 02:57:38 | 1703 | 128 | 19.2 | 3.6 | 34/ 24 |
| 11 | 99/11/04 | 03:38:01  | 03:39:18  | 03:38:05 | 77   | 38  | 19.2 | 3.6 | 34/ 24 |
| 12 | 99/11/04 | 04:59:45  | 05:27:55  | 05:04:25 | 1690 | 147 | 19.2 | 3.6 | 34/ 24 |
| 13 | 99/11/04 | 22:45:22# | 23:16:20  | 22:54:16 | 1858 | 76  | 22.0 | 1.4 | 28/ 24 |
| 14 | 99/11/04 | 23:18:03  | 23:21:53  | 23:18:14 | 230  | 28  | 22.0 | 1.4 | 28/ 24 |
| 15 | 99/11/04 | 23:23:01  | 23:24:46  | 23:23:13 | 105  | 29  | 22.0 | 1.4 | 28/ 24 |
| 16 | 99/11/05 | 03:20:01  | 03:20:07  | 03:20:02 | 6    | 27  | 22.0 | 1.4 | 28/ 24 |
| 17 | 99/11/05 | 06:38:47  | 06:44:58# | 06:44:56 | 371  | 34  | 22.0 | 1.4 | 28/ 24 |
| 18 | 99/11/06 | 23:02:46  | 23:05:40  | 23:03:01 | 174  | 37  | 20.2 | 2.4 | 30/ 24 |
| 19 | 99/11/07 | 04:36:48  | 04:49:50  | 04:40:59 | 782  | 43  | 20.2 | 2.4 | 30/ 24 |
| 20 | 99/11/07 | 23:00:53  | 23:00:54  | 23:00:54 | 1    | 21  | 19.1 | 1.2 | 24/ 21 |
| 21 | 99/11/07 | 23:01:20  | 23:06:41  | 23:01:25 | 321  | 118 | 19.1 | 1.2 | 24/ 21 |
| 22 | 99/11/08 | 00:32:37  | 00:34:13  | 00:33:32 | 96   | 140 | 19.1 | 1.2 | 24/ 21 |
| 23 | 99/11/08 | 04:55:55  | 04:58:52  | 04:56:55 | 177  | 35  | 19.1 | 1.2 | 24/ 21 |
| 24 | 99/11/08 | 06:02:39  | 06:12:49  | 06:04:07 | 610  | 32  | 19.1 | 1.2 | 24/ 21 |

EVENTLIST OF THE NOBEYAMA RADIOHELIOGRAPH  
OBSERVATION FREQUENCY = 17GHz ,34GHz

| №  | DAY      | START    | END       | MAX.TIME | DUR. | PEAK | MEAN | STD.DEV | TH_U/L  |
|----|----------|----------|-----------|----------|------|------|------|---------|---------|
| 25 | 99/11/08 | 22:39:01 | 23:41:03  | 22:42:44 | 3722 | 59   | 19.9 | 1.7     | 27/ 22  |
| 26 | 99/11/09 | 01:03:06 | 01:08:25  | 01:03:29 | 319  | 32   | 19.9 | 1.7     | 27/ 22  |
| 27 | 99/11/09 | 03:25:38 | 03:35:40  | 03:26:08 | 602  | 49   | 19.9 | 1.7     | 27/ 22  |
| 28 | 99/11/09 | 04:15:44 | 04:26:46  | 04:18:53 | 662  | 76   | 19.9 | 1.7     | 27/ 22  |
| 29 | 99/11/09 | 05:27:12 | 05:48:37  | 05:27:27 | 1285 | 41   | 19.9 | 1.7     | 27/ 22  |
| 30 | 99/11/09 | 06:04:17 | 06:30:01# | 06:16:48 | 1544 | 85   | 19.9 | 1.7     | 27/ 22  |
| 31 | 99/11/10 | 00:12:04 | 00:15:49  | 00:12:18 | 225  | 30   | 19.5 | 2.2     | 29/ 23  |
| 32 | 99/11/10 | 01:41:07 | 02:20:20  | 01:43:26 | 2353 | 156  | 19.5 | 2.2     | 29/ 23  |
| 33 | 99/11/10 | 03:31:08 | 03:31:48  | 03:31:13 | 40   | 49   | 19.5 | 2.2     | 29/ 23  |
| 34 | 99/11/10 | 05:46:31 | 05:47:32  | 05:46:34 | 61   | 172  | 19.5 | 2.2     | 29/ 23  |
| 35 | 99/11/11 | 01:27:09 | 01:27:35  | 01:27:13 | 26   | 36   | 19.4 | 1.5     | 26/ 21  |
| 36 | 99/11/11 | 01:28:28 | 01:41:24  | 01:28:58 | 776  | 210  | 19.4 | 1.5     | 26/ 21  |
| 37 | 99/11/11 | 01:59:03 | 02:01:31  | 01:59:21 | 148  | 132  | 19.4 | 1.5     | 26/ 21  |
| 38 | 99/11/11 | 03:02:26 | 03:02:46  | 03:02:27 | 20   | 25   | 19.4 | 1.5     | 26/ 21  |
| 39 | 99/11/11 | 03:09:25 | 03:09:45  | 03:09:32 | 20   | 28   | 19.4 | 1.5     | 26/ 21  |
| 40 | 99/11/11 | 03:45:34 | 03:45:42  | 03:45:38 | 8    | 27   | 19.4 | 1.5     | 26/ 21  |
| 41 | 99/11/11 | 03:45:57 | 03:46:59  | 03:46:10 | 62   | 71   | 19.4 | 1.5     | 26/ 21  |
| 42 | 99/11/11 | 03:51:29 | 03:52:14  | 03:51:42 | 45   | 70   | 19.4 | 1.5     | 26/ 21  |
| 43 | 99/11/11 | 03:55:59 | 03:58:13  | 03:57:08 | 134  | 96   | 19.4 | 1.5     | 26/ 21  |
| 44 | 99/11/11 | 03:59:46 | 04:01:17  | 04:00:10 | 91   | 242  | 19.4 | 1.5     | 26/ 21  |
| 45 | 99/11/11 | 04:31:35 | 04:33:28  | 04:31:51 | 113  | 122  | 19.4 | 1.5     | 26/ 21  |
| 46 | 99/11/11 | 04:52:02 | 04:52:09  | 04:52:05 | 7    | 37   | 19.4 | 1.5     | 26/ 21  |
| 47 | 99/11/11 | 04:54:29 | 04:54:56  | 04:54:37 | 27   | 28   | 19.4 | 1.5     | 26/ 21  |
| 48 | 99/11/11 | 04:56:52 | 04:59:26  | 04:57:26 | 154  | 53   | 19.4 | 1.5     | 26/ 21  |
| 49 | 99/11/11 | 22:32:58 | 22:34:50  | 22:33:09 | 112  | 23   | 18.6 | 0.9     | 23/ 20  |
| 50 | 99/11/11 | 22:56:16 | 23:01:01  | 22:57:29 | 285  | 25   | 18.6 | 0.9     | 23/ 20  |
| 51 | 99/11/11 | 23:15:08 | 23:22:24  | 23:16:57 | 436  | 24   | 18.6 | 0.9     | 23/ 20  |
| 52 | 99/11/12 | 01:25:06 | 01:25:20  | 01:25:08 | 14   | 25   | 18.6 | 0.9     | 23/ 20  |
| 53 | 99/11/12 | 01:27:58 | 01:33:38  | 01:30:03 | 340  | 28   | 18.6 | 0.9     | 23/ 20  |
| 54 | 99/11/12 | 02:42:33 | 02:52:57  | 02:49:47 | 624  | 23   | 18.6 | 0.9     | 23/ 20  |
| 55 | 99/11/12 | 03:17:42 | 03:18:16  | 03:17:46 | 34   | 28   | 18.6 | 0.9     | 23/ 20  |
| 56 | 99/11/12 | 22:42:12 | 22:42:54  | 22:42:24 | 42   | 24   | 19.0 | 1.0     | 23/ 20  |
| 57 | 99/11/12 | 23:08:07 | 23:08:22  | 23:08:10 | 15   | 27   | 19.0 | 1.0     | 23/ 20  |
| 58 | 99/11/12 | 23:09:44 | 23:14:09  | 23:10:18 | 265  | 28   | 19.0 | 1.0     | 23/ 20  |
| 59 | 99/11/13 | 05:30:18 | 06:29:57# | 05:33:26 | 3579 | 54   | 19.0 | 1.0     | 23/ 20  |
| 60 | 99/11/13 | 23:42:28 | 23:52:44  | 23:43:27 | 616  | 29   | 19.8 | 1.6     | 26/ 22  |
| 61 | 99/11/14 | 01:46:53 | 01:46:55  | 01:46:54 | 2    | 23   | 19.8 | 1.6     | 26/ 22  |
| 62 | 99/11/14 | 01:47:06 | 01:47:11  | 01:47:07 | 5    | 25   | 19.8 | 1.6     | 26/ 22  |
| 63 | 99/11/14 | 03:51:04 | 03:51:39  | 03:51:07 | 35   | 33   | 19.8 | 1.6     | 26/ 22  |
| 64 | 99/11/14 | 03:52:08 | 03:54:37  | 03:52:24 | 149  | 46   | 19.8 | 1.6     | 26/ 22  |
| 65 | 99/11/14 | 05:08:33 | 05:08:45  | 05:08:34 | 12   | 26   | 19.8 | 1.6     | 26/ 22  |
| 66 | 99/11/14 | 05:26:36 | 06:29:58# | 05:30:54 | 3802 | 38   | 19.8 | 1.6     | 26/ 22  |
| 67 | 99/11/15 | 03:46:44 | 03:47:44  | 03:46:48 | 60   | 128  | 26.2 | 21.1    | 116/ 56 |

EVENTLIST OF THE NOBEYAMA RADIOHELIOGRAPH  
OBSERVATION FREQUENCY = 17GHz ,34GHz

| №   | DAY      | START     | END       | MAX.TIME | DUR. | PEAK | MEAN | STD.DEV | TH_U/L  |
|-----|----------|-----------|-----------|----------|------|------|------|---------|---------|
| 68  | 99/11/15 | 22:37:59  | 22:46:36  | 22:38:03 | 517  | 85   | 35.4 | 11.3    | 83/ 51  |
| 69  | 99/11/15 | 22:55:24  | 00:15:52  | 23:07:20 | 4828 | 306  | 35.4 | 11.3    | 83/ 51  |
| 70  | 99/11/16 | 02:03:05  | 02:03:14  | 02:03:06 | 9    | 108  | 35.4 | 11.3    | 83/ 51  |
| 71  | 99/11/16 | 02:04:50  | 02:04:57  | 02:04:52 | 7    | 215  | 35.4 | 11.3    | 83/ 51  |
| 72  | 99/11/16 | 02:05:07  | 02:05:22  | 02:05:17 | 15   | 182  | 35.4 | 11.3    | 83/ 51  |
| 73  | 99/11/16 | 02:38:11  | 03:04:20  | 02:39:35 | 1569 | 266  | 35.4 | 11.3    | 83/ 51  |
| 74  | 99/11/16 | 04:08:03  | 04:18:06  | 04:08:33 | 603  | 1866 | 35.4 | 11.3    | 83/ 51  |
| 75  | 99/11/16 | 04:38:57  | 04:39:37  | 04:38:58 | 40   | 87   | 35.4 | 11.3    | 83/ 51  |
| 76  | 99/11/16 | 06:04:40  | 06:24:41  | 06:20:05 | 1201 | 305  | 35.4 | 11.3    | 83/ 51  |
| 77  | 99/11/16 | 22:30:22# | 23:52:32  | 23:32:52 | 4930 | 138  | 24.1 | 2.6     | 35/ 28  |
| 78  | 99/11/17 | 02:35:17  | 02:36:26  | 02:35:30 | 69   | 87   | 24.1 | 2.6     | 35/ 28  |
| 79  | 99/11/17 | 05:07:48  | 05:08:53  | 05:07:55 | 65   | 49   | 24.1 | 2.6     | 35/ 28  |
| 80  | 99/11/17 | 05:49:39  | 05:51:06  | 05:50:28 | 87   | 52   | 24.1 | 2.6     | 35/ 28  |
| 81  | 99/11/17 | 05:51:30  | 05:51:40  | 05:51:32 | 10   | 36   | 24.1 | 2.6     | 35/ 28  |
| 82  | 99/11/17 | 05:57:48  | 06:29:59# | 06:00:57 | 1931 | 49   | 24.1 | 2.6     | 35/ 28  |
| 83  | 99/11/17 | 23:58:07  | 23:59:54  | 23:58:08 | 107  | 118  | 58.9 | 12.4    | 111/ 76 |
| 84  | 99/11/19 | 22:52:09  | 00:14:55  | 23:11:52 | 4966 | 92   | 44.6 | 6.5     | 72/ 54  |
| 85  | 99/11/20 | 01:46:00  | 02:04:57  | 01:47:29 | 1137 | 83   | 44.6 | 6.5     | 72/ 54  |
| 86  | 99/11/20 | 02:48:35  | 02:48:48  | 02:48:37 | 13   | 221  | 44.6 | 6.5     | 72/ 54  |
| 87  | 99/11/20 | 03:54:07  | 03:54:16  | 03:54:10 | 9    | 173  | 44.6 | 6.5     | 72/ 54  |
| 88  | 99/11/20 | 22:30:21# | 00:46:12  | 00:11:06 | 8151 | 369  | 45.1 | 4.0     | 62/ 51  |
| 89  | 99/11/21 | 04:54:37  | 04:59:52  | 04:54:41 | 315  | 63   | 45.1 | 4.0     | 62/ 51  |
| 90  | 99/11/22 | 01:39:57  | 01:40:49  | 01:40:03 | 52   | 52   | 28.5 | 3.8     | 44/ 34  |
| 91  | 99/11/22 | 01:58:19  | 02:13:39  | 01:58:48 | 920  | 269  | 28.5 | 3.8     | 44/ 34  |
| 92  | 99/11/22 | 02:14:46  | 02:24:44  | 02:15:36 | 598  | 374  | 28.5 | 3.8     | 44/ 34  |
| 93  | 99/11/22 | 02:54:08  | 03:06:49  | 02:54:39 | 761  | 1030 | 28.5 | 3.8     | 44/ 34  |
| 94  | 99/11/22 | 03:33:42  | 03:34:01  | 03:33:43 | 19   | 44   | 28.5 | 3.8     | 44/ 34  |
| 95  | 99/11/22 | 04:02:40  | 04:03:30  | 04:02:42 | 50   | 52   | 28.5 | 3.8     | 44/ 34  |
| 96  | 99/11/22 | 04:13:45  | 04:15:01  | 04:13:48 | 76   | 122  | 28.5 | 3.8     | 44/ 34  |
| 97  | 99/11/22 | 04:26:36  | 04:29:00  | 04:26:57 | 144  | 57   | 28.5 | 3.8     | 44/ 34  |
| 98  | 99/11/22 | 06:06:05  | 06:07:03  | 06:06:09 | 58   | 45   | 28.5 | 3.8     | 44/ 34  |
| 99  | 99/11/22 | 23:52:09  | 23:52:25  | 23:52:11 | 16   | 45   | 23.7 | 2.0     | 32/ 27  |
| 100 | 99/11/23 | 00:16:53  | 00:49:16  | 00:29:45 | 1943 | 75   | 23.7 | 2.0     | 32/ 27  |
| 101 | 99/11/23 | 02:27:40  | 02:35:32  | 02:28:52 | 472  | 53   | 23.7 | 2.0     | 32/ 27  |
| 102 | 99/11/23 | 06:08:08  | 06:30:00# | 06:29:03 | 1312 | 68   | 23.7 | 2.0     | 32/ 27  |
| 103 | 99/11/24 | 22:37:51  | 00:26:13  | 23:29:39 | 6502 | 646  | 45.3 | 7.1     | 75/ 55  |
| 104 | 99/11/25 | 00:56:04  | 00:56:22  | 00:56:06 | 18   | 77   | 45.3 | 7.1     | 75/ 55  |
| 105 | 99/11/25 | 02:15:10  | 02:15:13  | 02:15:11 | 3    | 86   | 45.3 | 7.1     | 75/ 55  |
| 106 | 99/11/25 | 02:59:44  | 03:00:01  | 02:59:49 | 17   | 176  | 45.3 | 7.1     | 75/ 55  |
| 107 | 99/11/26 | 01:18:52  | 03:19:55  | 01:20:03 | 7263 | 1382 | 40.9 | 15.6    | 107/ 63 |
| 108 | 99/11/26 | 03:52:05  | 03:52:10  | 03:52:08 | 5    | 101  | 40.9 | 15.6    | 107/ 63 |
| 109 | 99/11/26 | 03:52:11  | 03:52:28  | 03:52:14 | 17   | 92   | 40.9 | 15.6    | 107/ 63 |
| 110 | 99/11/26 | 03:52:40  | 03:53:23  | 03:52:54 | 43   | 191  | 40.9 | 15.6    | 107/ 63 |

EVENTLIST OF THE NOBEYAMA RADIOHELIOGRAPH  
OBSERVATION FREQUENCY = 17GHz ,34GHz

| №   | DAY      | START     | END      | MAX.TIME | DUR. | PEAK | MEAN | STD.DEV | TH_U/L  |
|-----|----------|-----------|----------|----------|------|------|------|---------|---------|
| 111 | 99/11/26 | 03:54:50  | 03:56:16 | 03:54:56 | 86   | 338  | 40.9 | 15.6    | 107/ 63 |
| 112 | 99/11/26 | 03:57:39  | 04:02:05 | 03:58:42 | 266  | 174  | 40.9 | 15.6    | 107/ 63 |
| 113 | 99/11/26 | 22:45:59  | 22:46:16 | 22:46:07 | 17   | 97   | 38.9 | 7.2     | 69/ 49  |
| 114 | 99/11/27 | 02:04:11  | 02:07:03 | 02:04:15 | 172  | 194  | 38.9 | 7.2     | 69/ 49  |
| 115 | 99/11/27 | 02:54:46  | 03:12:50 | 02:55:14 | 1084 | 120  | 38.9 | 7.2     | 69/ 49  |
| 116 | 99/11/27 | 04:52:18  | 04:52:25 | 04:52:19 | 7    | 132  | 38.9 | 7.2     | 69/ 49  |
| 117 | 99/11/27 | 04:52:39  | 04:52:52 | 04:52:44 | 13   | 272  | 38.9 | 7.2     | 69/ 49  |
| 118 | 99/11/27 | 04:53:02  | 05:00:41 | 04:53:06 | 459  | 137  | 38.9 | 7.2     | 69/ 49  |
| 119 | 99/11/27 | 05:45:56  | 06:18:24 | 05:46:54 | 1948 | 75   | 38.9 | 7.2     | 69/ 49  |
| 120 | 99/11/28 | 01:37:55  | 02:04:04 | 01:38:21 | 1569 | 85   | 21.6 | 3.5     | 36/ 26  |
| 121 | 99/11/28 | 04:44:10  | 04:45:34 | 04:44:42 | 84   | 75   | 21.6 | 3.5     | 36/ 26  |
| 122 | 99/11/28 | 04:46:17  | 04:51:06 | 04:47:36 | 289  | 214  | 21.6 | 3.5     | 36/ 26  |
| 123 | 99/11/28 | 05:25:04  | 05:26:56 | 05:25:38 | 112  | 179  | 21.6 | 3.5     | 36/ 26  |
| 124 | 99/11/28 | 05:54:10  | 06:10:31 | 06:00:06 | 981  | 61   | 21.6 | 3.5     | 36/ 26  |
| 125 | 99/11/28 | 22:30:21# | 23:35:46 | 22:38:22 | 3925 | 38   | 18.9 | 3.4     | 33/ 24  |
| 126 | 99/11/29 | 04:38:00  | 04:44:39 | 04:40:28 | 399  | 36   | 18.9 | 3.4     | 33/ 24  |
| 127 | 99/11/29 | 22:38:05  | 22:44:46 | 22:42:32 | 401  | 24   | 18.7 | 0.9     | 23/ 20  |
| 128 | 99/11/30 | 03:39:44  | 03:40:15 | 03:39:47 | 31   | 86   | 18.7 | 0.9     | 23/ 20  |
| 129 | 99/11/30 | 04:12:05  | 04:27:26 | 04:17:18 | 921  | 32   | 18.7 | 0.9     | 23/ 20  |

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|    |          |          |           |          |      |     |      |      |        |
|----|----------|----------|-----------|----------|------|-----|------|------|--------|
| 1  | 99/11/30 | 23:43:21 | 23:48:47  | 23:45:55 | 326  | 24  | 18.4 | 0.7  | 23/ 20 |
| 2  | 99/12/03 | 00:18:53 | 00:26:48  | 00:21:00 | 475  | 43  | 18.1 | 3.0  | 31/ 22 |
| 3  | 99/12/03 | 00:55:05 | 00:55:31  | 00:55:07 | 26   | 67  | 18.1 | 3.0  | 31/ 22 |
| 4  | 99/12/03 | 01:03:35 | 01:03:42  | 01:03:37 | 7    | 34  | 18.1 | 3.0  | 31/ 22 |
| 5  | 99/12/03 | 05:38:13 | 05:38:56  | 05:38:16 | 43   | 44  | 18.1 | 3.0  | 31/ 22 |
| 6  | 99/12/05 | 05:55:47 | 06:02:43  | 05:58:51 | 416  | 26  | 18.2 | 0.7  | 22/ 20 |
| 7  | 99/12/06 | 02:35:52 | 02:40:45  | 02:37:36 | 293  | 26  | 18.3 | 0.8  | 23/ 20 |
| 8  | 99/12/06 | 04:16:14 | 04:29:57  | 04:20:04 | 823  | 63  | 18.3 | 0.8  | 23/ 20 |
| 9  | 99/12/06 | 22:33:45 | 22:50:30  | 22:46:51 | 1005 | 24  | 18.3 | 0.6  | 23/ 20 |
| 10 | 99/12/06 | 22:52:29 | 23:20:59  | 22:57:21 | 1710 | 24  | 18.3 | 0.6  | 23/ 20 |
| 11 | 99/12/07 | 01:11:03 | 01:19:48  | 01:11:26 | 525  | 233 | 18.3 | 0.6  | 23/ 20 |
| 12 | 99/12/08 | 02:38:21 | 02:41:48  | 02:38:46 | 207  | 23  | 18.4 | 0.9  | 23/ 20 |
| 13 | 99/12/08 | 02:51:34 | 03:03:55  | 02:54:00 | 741  | 27  | 18.4 | 0.9  | 23/ 20 |
| 14 | 99/12/08 | 05:28:04 | 05:48:04  | 05:31:09 | 1200 | 33  | 18.4 | 0.9  | 23/ 20 |
| 15 | 99/12/08 | 22:38:14 | 00:17:57  | 23:32:26 | 5983 | 32  | 0.1  | -7.0 | 20/ 17 |
| 16 | 99/12/09 | 03:14:59 | 03:15:00  | 03:15:00 | 1    | 0   | 0.1  | -7.0 | 20/ 17 |
| 17 | 99/12/09 | 04:00:09 | 04:00:11  | 04:00:10 | 2    | 437 | 0.1  | -7.0 | 20/ 17 |
| 18 | 99/12/09 | 23:15:05 | 23:22:48  | 23:17:06 | 463  | 24  | 18.5 | 0.8  | 23/ 20 |
| 19 | 99/12/10 | 02:07:01 | 02:22:18  | 02:07:28 | 917  | 51  | 18.5 | 0.8  | 23/ 20 |
| 20 | 99/12/10 | 05:45:38 | 06:29:57# | 06:19:11 | 2659 | 24  | 18.5 | 0.8  | 23/ 20 |
| 21 | 99/12/15 | 04:00:06 | 04:01:42  | 04:00:16 | 96   | 24  | 18.5 | 1.0  | 23/ 20 |

EVENTLIST OF THE NOBEYAMA RADIOHELIOGRAPH  
OBSERVATION FREQUENCY = 17GHz ,34GHz

| №  | DAY      | START     | END       | MAX.TIME | DUR.  | PEAK | MEAN | STD.DEV | TH_ U/L |
|----|----------|-----------|-----------|----------|-------|------|------|---------|---------|
| 22 | 99/12/15 | 04:18:56  | 04:20:32  | 04:18:59 | 96    | 23   | 18.5 | 1.0     | 23/ 20  |
| 23 | 99/12/16 | 01:17:13  | 01:17:25  | 01:17:14 | 12    | 26   | 18.8 | 1.3     | 24/ 21  |
| 24 | 99/12/16 | 03:11:39  | 03:22:56  | 03:11:43 | 677   | 27   | 18.8 | 1.3     | 24/ 21  |
| 25 | 99/12/16 | 06:03:36  | 06:05:04  | 06:04:20 | 88    | 25   | 18.8 | 1.3     | 24/ 21  |
| 26 | 99/12/17 | 00:17:33  | 00:19:20  | 00:17:59 | 107   | 278  | 33.4 | 5.7     | 57/ 41  |
| 27 | 99/12/17 | 00:19:38  | 00:20:53  | 00:19:57 | 75    | 207  | 33.4 | 5.7     | 57/ 41  |
| 28 | 99/12/17 | 00:22:05  | 00:22:53  | 00:22:17 | 48    | 67   | 33.4 | 5.7     | 57/ 41  |
| 29 | 99/12/17 | 01:14:22  | 01:17:10  | 01:14:23 | 168   | 53   | 33.4 | 5.7     | 57/ 41  |
| 30 | 99/12/17 | 05:36:10  | 05:41:26  | 05:36:29 | 316   | 233  | 33.4 | 5.7     | 57/ 41  |
| 31 | 99/12/18 | 01:28:16  | 01:29:20  | 01:28:23 | 64    | 389  | 48.6 | 30.2    | 177/ 91 |
| 32 | 99/12/20 | 00:01:59  | 00:05:31  | 00:02:01 | 212   | 251  | 65.4 | 20.8    | 154/ 95 |
| 33 | 99/12/20 | 03:51:18  | 03:51:33  | 03:51:22 | 15    | 157  | 65.4 | 20.8    | 154/ 95 |
| 34 | 99/12/22 | 02:07:38  | 02:07:57  | 02:07:40 | 19    | 128  | 31.7 | 12.9    | 86/ 50  |
| 35 | 99/12/22 | 02:13:08  | 02:53:20  | 02:13:12 | 2412  | 103  | 31.7 | 12.9    | 86/ 50  |
| 36 | 99/12/22 | 23:00:21# | 02:22:56  | 00:33:10 | 12155 | 71   | 31.6 | 1.5     | 38/ 34  |
| 37 | 99/12/23 | 02:42:58  | 02:45:34  | 02:43:23 | 156   | 138  | 31.6 | 1.5     | 38/ 34  |
| 38 | 99/12/23 | 03:13:03  | 03:13:15  | 03:13:07 | 12    | 38   | 31.6 | 1.5     | 38/ 34  |
| 39 | 99/12/23 | 03:13:17  | 03:13:27  | 03:13:20 | 10    | 54   | 31.6 | 1.5     | 38/ 34  |
| 40 | 99/12/23 | 03:14:43  | 03:15:18  | 03:14:47 | 35    | 77   | 31.6 | 1.5     | 38/ 34  |
| 41 | 99/12/24 | 00:09:44  | 00:09:54  | 00:09:45 | 10    | 46   | 29.4 | 3.4     | 44/ 34  |
| 42 | 99/12/24 | 05:31:06  | 05:36:15  | 05:33:47 | 309   | 50   | 29.4 | 3.4     | 44/ 34  |
| 43 | 99/12/24 | 05:58:39  | 05:59:36  | 05:58:45 | 57    | 106  | 29.4 | 3.4     | 44/ 34  |
| 44 | 99/12/24 | 23:25:04  | 23:25:48  | 23:25:14 | 44    | 55   | 26.7 | 2.0     | 35/ 30  |
| 45 | 99/12/25 | 01:54:05  | 01:54:13  | 01:54:06 | 8     | 40   | 26.7 | 2.0     | 35/ 30  |
| 46 | 99/12/25 | 05:16:50  | 05:17:12  | 05:16:52 | 22    | 39   | 26.7 | 2.0     | 35/ 30  |
| 47 | 99/12/27 | 00:48:27  | 00:48:32  | 00:48:28 | 5     | 67   | 39.7 | 6.8     | 69/ 49  |
| 48 | 99/12/27 | 01:47:54  | 01:59:23  | 01:50:03 | 689   | 1328 | 39.7 | 6.8     | 69/ 49  |
| 49 | 99/12/27 | 05:32:01  | 06:14:58# | 05:32:25 | 2577  | 89   | 39.7 | 6.8     | 69/ 49  |
| 50 | 99/12/27 | 23:58:18  | 00:00:26  | 23:58:19 | 128   | 97   | 30.3 | 17.2    | 103/ 55 |
| 51 | 99/12/28 | 00:42:10  | 01:02:06  | 00:43:18 | 1196  | 9969 | 30.3 | 17.2    | 103/ 55 |
| 52 | 99/12/28 | 01:17:46  | 01:18:37  | 01:18:02 | 51    | 109  | 30.3 | 17.2    | 103/ 55 |
| 53 | 99/12/29 | 23:20:38  | 23:20:57  | 23:20:42 | 19    | 26   | 18.3 | 0.6     | 23/ 20  |