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

DATE	START(JST) (UT=JST-9h)	END	COMMMENTS
JANUARY 1999			
1999/01/01	08:00:22	15:14:54	Leap second inserted between 08:59:59 and 09:00:00.
1999/01/02	08:00:21	15:14:56	
1999/01/03	08:00:22	15:14:55	
1999/01/04	08:00:22	15:14:56	
1999/01/05	08:00:22	15:14:55	
1999/01/06	08:00:21	15:14:57	
1999/01/07	08:00:22	15:14:58	
1999/01/08	08:00:21	15:14:55	
1999/01/09	08:00:21	15:14:56	
1999/01/10	08:00:22	15:14:58	
1999/01/11	08:00:22	15:14:59	
1999/01/12	08:00:23	15:14:57	W19 and W24 antennas were sahdowed by a 10m NMA antenna in morning and evening.
1999/01/13	08:00:25	15:14:56	
1999/01/14	08:00:23	15:14:59	
1999/01/15	08:00:23	15:14:56	
1999/01/16	08:00:24	15:14:57	Data quality low (start ― ～09:30) due to snow.
1999/01/17	08:00:23	15:14:56	
1999/01/18	08:00:25	15:14:56	
1999/01/19	08:00:23	15:14:57	
1999/01/20	08:00:24	15:14:59	
1999/01/21	08:00:23	15:14:56	
1999/01/22	08:00:21	15:14:56	
1999/01/23	08:00:23	08:50:22	
1999/01/24	------	-----	No observation due to trouble in data aquisition system.
1999/01/25	08:00:24	15:14:57	Data quality low (～08:55 ― 09:50) due to snow.
1999/01/26	08:00:24	15:14:57	Data quality low (～08:55 ― 09:10) due to snow.
1999/01/27	08:00:23	15:14:56	
1999/01/28	08:00:22	15:14:58	Antenna W28 data unusable (15:00 ― 15:05) due to our personal experiment.
1999/01/29	08:00:22	15:14:56	Antenna W28 data unusable (11:28 ― 11:36) due to our personal experiment.
1999/01/30	08:00:22	15:14:56	
1999/01/31	08:00:23	15:14:59	

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

DATE	START(JST) (UT=JST-9h)	END	COMMMENTS
FEBRUARY 1999			
1999/02/01	08:00:24	15:14:58	
1999/02/02	08:00:23	15:14:56	
1999/02/03	08:00:24	15:14:58	
1999/02/04	08:00:26	15:14:59	Data quality low (～08:40 ― 09:30) due to snow.
1999/02/05	08:00:24	15:14:59	
1999/02/06	08:00:26	15:14:59	
1999/02/07	08:00:24	15:14:57	
1999/02/08	08:00:22	15:14:56	
1999/02/09	08:00:22	15:14:56	Antenna W28 data unusable (14:04 ― 14:08) due to calibration measurement.
1999/02/10	08:00:25	15:14:55	
1999/02/11	08:00:23	15:14:56	There were some snowfalls dureing observation.
1999/02/12	08:00:23	15:14:56	Data quality low (～09:00 ― 10:00) due to snow.
1999/02/13	08:00:22	15:14:56	
1999/02/14	08:00:22	15:14:57	
1999/02/15	08:00:25	15:14:58	
1999/02/16	08:00:23	15:14:56	
1999/02/17	08:00:22	15:14:57	
1999/02/18	08:00:22	15:14:55	
1999/02/19	09:17:02	16:21:09	
1999/02/20	08:00:51	15:14:27	
1999/02/21	08:00:23	15:14:56	
1999/02/22	08:00:25	15:14:57	
1999/02/23	08:00:23	15:14:56	
1999/02/24	08:00:23	15:14:59	There were some snowfalls in afternoon.
1999/02/25	08:00:22	15:14:57	
1999/02/26	08:00:23	15:14:55	
1999/02/27	08:00:23	15:14:56	Strong wind blow (8-9 m/s).
1999/02/28	08:00:22	15:14:58	

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

DATE	START(JST) (UT=JST-9h)	END	COMMMENTS
MARCH 1999			
1999/03/01	08:00:23	15:14:58	
1999/03/02	08:00:23	15:14:58	
1999/03/03	08:00:24	15:14:57	
1999/03/04	08:00:22	15:14:58	
1999/03/05	08:00:22	15:14:56	
1999/03/06	08:00:22	15:14:56	
1999/03/07	08:00:22	15:14:55	
1999/03/08	08:00:21	15:14:57	
1999/03/09	08:00:23	15:14:56	Data quality low (～08:45 ― 09:06 and ～14:25 ― 14:45) due to snow.
1999/03/10	09:00:22	15:14:56	Data quality low (start ― 09:15, a little ice was left) due to snow. No observation (start ― 09:00) due to trouble of automated observation system.
1999/03/11	08:00:23	15:14:58	
1999/03/12	08:00:24	15:14:56	
1999/03/13	08:00:22	15:14:57	
1999/03/14	08:00:23	15:14:57	
1999/03/15	08:00:24	15:14:56	
1999/03/16	08:00:22	15:14:56	
1999/03/17	08:00:24	15:14:57	Antenna W28 unusable (08:02 ― 15:14) due to out personal experiment.
1999/03/18	08:00:23	15:14:56	
1999/03/19	08:00:22	15:14:57	
1999/03/20	08:00:22	15:14:55	
1999/03/21	08:00:25	15:14:57	Data quality low (stat ― end) due to snow.
1999/03/22	08:00:22	15:14:57	
1999/03/23	08:55:23	15:14:53	
1999/03/24	08:00:22	15:14:55	
1999/03/25	08:00:25	15:14:56	
1999/03/26	08:00:26	15:14:56	
1999/03/27	08:00:23	15:14:56	
1999/03/28	08:00:22	15:14:59	
1999/03/29	08:00:24	15:14:59	
1999/03/30	08:00:23	15:14:59	
1999/03/31	08:00:22	15:14:56	

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

DATE	START(JST) (UT=JST-9h)	END	COMMMENTS
APRIL 1999			
1999/04/01	08:00:24	15:14:58	
1999/04/02	08:00:22	15:14:56	
1999/04/03	08:00:24	15:14:57	
1999/04/04	08:00:24	15:14:56	
1999/04/05	08:00:24	15:14:57	
1999/04/06	08:00:21	15:14:57	
1999/04/07	08:00:21	15:14:57	
1999/04/08	08:00:21	15:14:57	
1999/04/09	08:00:21	15:14:58	
1999/04/10	08:00:22	15:14:56	
1999/04/11	08:00:20	15:14:57	
1999/04/12	08:00:21	15:14:57	
1999/04/13	08:00:25	15:14:57	
1999/04/14	08:00:22	15:14:59	
1999/04/15	08:00:23	15:14:57	
1999/04/16	08:00:23	15:14:57	
1999/04/17	08:00:21	15:14:57	
1999/04/18	08:00:24	15:14:59	
1999/04/19	08:00:23	15:14:58	
1999/04/20	07:45:24	15:44:57	
1999/04/21	07:45:24	15:44:56	
1999/04/22	07:45:21	15:44:58	
1999/04/23	07:45:21	15:44:57	
1999/04/24	07:45:21	15:44:58	
1999/04/25	07:45:24	15:44:56	
1999/04/26	07:45:24	15:44:58	
1999/04/27	07:45:21	15:44:56	Antenna W01 — W14 data unusable (10:30 — end) due to trouble in antenna control.
1999/04/28	07:45:24	15:44:56	Antenna W14 data unusable (start — 09:15) due to maintenance.
1999/04/29	07:45:21	15:44:58	
1999/04/30	07:45:21	15:44:57	

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

DATE	START(JST) (UT=JST-9h)	END	COMMMENTS
MAY 1999			
1999/05/01	07:45:21	15:44:57	
1999/05/02	07:45:25	15:44:59	
1999/05/03	07:45:22	15:44:59	
1999/05/04	07:45:24	15:44:57	
1999/05/05	07:45:21	15:44:58	
1999/05/06	07:45:20	14:45:19	
1999/05/07	07:45:21	15:44:57	
1999/05/08	07:45:21	15:44:57	
1999/05/09	07:45:22	15:44:57	
1999/05/10	07:45:22	15:44:58	
1999/05/11	07:45:25	15:44:58	
1999/05/12	07:45:21	15:44:57	Antenna N28 data unusable (07:58:02 — 07:59:48 and 07:59:57 — 08:00:47) due to trouble in communication line.
1999/05/13	07:45:21	15:44:57	
1999/05/14	07:45:24	15:44:59	
1999/05/15	07:45:24	15:44:58	
1999/05/16	07:45:24	15:44:58	
1999/05/17	07:45:21	15:44:59	
1999/05/18	07:45:24	15:44:58	
1999/05/19	07:45:22	15:44:55	Antenna N28 and E21 unusable (start — end) due to trouble in communication line.
1999/05/20	07:45:20	15:44:58	
1999/05/21	07:45:21	15:44:58	Antenn N28 and E21 unusable (start — end) due to trouble in communication line.
1999/05/22	07:45:24	15:44:56	
1999/05/23	07:45:21	15:44:56	
1999/05/24	07:45:24	15:44:59	
1999/05/25	07:45:20	15:44:56	
1999/05/26	07:45:21	15:44:55	
1999/05/27	07:45:20	15:44:57	
1999/05/28	07:45:21	15:44:57	
1999/05/29	07:45:25	15:44:58	
1999/05/30	07:45:22	15:44:57	
1999/05/31	07:45:25	15:44:57	

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

DATE	START(JST) (UT=JST-9h)	END	COMMMENTS
JUNE 1999			
1999/06/01	07:30:21	15:30:20	
1999/06/02	07:30:21	15:30:20	
1999/06/03	07:30:21	15:30:20	
1999/06/04	07:30:21	15:30:20	
1999/06/05	07:30:21	15:30:20	
1999/06/06	07:30:21	15:30:20	
1999/06/07	07:30:20	15:30:19	
1999/06/08	07:30:23	15:30:22	
1999/06/09	07:30:22	15:30:21	
1999/06/10	07:30:25	15:30:24	
1999/06/11	07:30:22	15:30:21	
1999/06/12	07:30:22	15:30:21	
1999/06/13	07:30:22	15:30:21	
1999/06/14	07:30:23	15:30:22	
1999/06/15	07:30:21	15:30:20	
1999/06/16	07:30:24	15:30:23	
1999/06/17	07:30:23	15:30:22	
1999/06/18	07:30:25	15:30:24	
1999/06/19	07:30:22	15:30:21	
1999/06/20	07:30:22	15:30:21	
1999/06/21	07:30:21	15:30:20	
1999/06/22	07:30:21	15:30:20	
1999/06/23	07:30:24	15:30:23	
1999/06/24	07:30:24	8:59:59	No observation (09:00 ― end) due to power line maintenance.
1999/06/25	07:30:21	15:30:20	Anetnna W20 data unusable until 6/30, due to trouble in receiver .
1999/06/26	07:30:23	15:30:22	
1999/06/27	07:30:22	15:30:21	
1999/06/28	07:30:21	15:30:20	
1999/06/29	07:30:21	15:30:20	
1999/06/30	07:30:22	15:30:21	

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

DATE	START(JST) (UT=JST-9h)	END	COMMMENTS
JULY 1999			
1999/07/01	07:30:25	15:30:24	
1999/07/02	07:30:21	15:30:20	
1999/07/03	07:30:23	15:30:22	
1999/07/04	07:30:21	15:30:20	
1999/07/05	07:30:22	15:30:21	
1999/07/06	07:30:22	15:30:21	
1999/07/07	07:30:22	15:30:21	
1999/07/08	07:30:22	15:30:21	
1999/07/09	07:30:22	15:30:21	
1999/07/10	07:30:21	15:30:20	
1999/07/11	07:30:21	15:30:20	
1999/07/12	07:30:22	15:30:21	
1999/07/13	07:30:22	15:30:21	
1999/07/14	07:30:22	15:30:21	Antenna E28 data unsusable (11:41 — 11:47) due to our personal experiment. All antenna data unsusable (13:38 — 13:44) due to our personal experiment.
1999/07/15	07:30:25	15:30:24	
1999/07/16	07:30:23	15:30:22	
1999/07/17	07:30:23	15:30:22	
1999/07/18	07:30:23	15:30:22	
1999/07/19	07:30:21	15:30:20	
1999/07/20	07:30:22	15:30:21	
1999/07/21	07:30:22	15:30:21	
1999/07/22	07:30:23	15:30:22	Antenna E27 and E28 data unsusable (07:33 — 14:23) due to our personal experiment.
1999/07/23	07:30:21	15:30:20	
1999/07/24	07:30:23	15:30:22	
1999/07/25	07:30:23	15:30:22	
1999/07/26	07:30:24	15:30:23	
1999/07/27	07:30:21	15:30:20	Data quality low (start — 09:09) due to trouble in communication line on antenna N01.
1999/07/28	07:30:21	15:30:20	Antenna E27 and E28 data unsusable (11:10 — 12:16) due to our personal experiment. All antenna data unsusable (13:40:30 — 13:44:15) due to our personal experiment.
1999/07/29	07:30:23	15:30:22	

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

1999/07/30	07:30:24	13:00:23	Antenna E27 and E28 data unsusable (11:10 ― 12:00) due to our personal experiment.
1999/07/31	07:30:23	15:30:22	

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

DATE	START(JST) (UT=JST-9h)	END	COMMMENTS
AUGUST 1999			
1999/08/01	07:30:24	15:30:23	
1999/08/02	07:30:21	15:30:20	
1999/08/03	07:30:21	15:30:20	Antenna E27 and E28 data unsusable (11:31 ― 12:06) due to our personal experiment.
1999/08/04	07:30:21	15:30:20	
1999/08/05	07:30:22	15:30:21	Antenna E27 and E28 data unsusable (11:11 ― 12:09) due to our personal experiment.
1999/08/06	07:30:22	15:30:21	
1999/08/07	07:30:20	15:30:19	
1999/08/08	07:30:24	15:30:23	
1999/08/09	07:30:22	15:30:21	Antenna E28 data unusable (09:20 - 12:00) due to our personal experiment. Antenna E27 data unusable (13:40 - 16:00) due to our personal experiment.
1999/08/10	07:30:24	15:30:23	IF gain of antenna W20 was adjusted at 11:25.
1999/08/11	07:30:25	15:30:24	Antenna E27 and E28 data unsusable (11:11 ― 12:07) due to our personal experiment.
1999/08/12	07:30:22	15:30:21	Antenna E27 and E28 data unsusable (11:10 ― 12:04) due to our personal experiment.
1999/08/13	14:05:21	15:59:56	Observation start at 14:05:21 due to trouble in power line.
1999/08/14	07:30:22	15:30:21	
1999/08/15	07:30:24	15:30:23	
1999/08/16	07:30:21	15:30:20	
1999/08/17	07:30:21	15:30:20	
1999/08/18	09:35:20	15:59:53	Oobservation start at 09:35:20 due to trouble in antenna control system.
1999/08/19	07:30:21	15:30:20	Antenna E27 and E28 data unsusable (10:45 ― 12:30) due to our personal experiment.
1999/08/20	07:30:21	15:30:20	
1999/08/21	07:30:24	15:30:23	
1999/08/22	07:30:23	15:30:22	
1999/08/23	07:30:23	15:30:22	
1999/08/24	07:30:23	15:30:22	
1999/08/25	07:30:24	15:30:23	
1999/08/26	07:30:21	15:30:20	
1999/08/27	07:30:22	15:30:21	
1999/08/28	07:30:21	15:30:20	
1999/08/29	07:30:22	15:30:21	

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

1999/08/30	07:30:22	15:30:21	
1999/08/31	07:30:21	15:30:20	Antenna E27 and E28 data unsusable (11:55 ― 12:35) due to our personal experiment.

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

DATE	START(JST) (UT=JST-9h)	END	COMMMENTS
SEPTEMBER 1999			
1999/09/01	07:45:24	15:44:57	Antenna E27 and E28 data unsusable (10:25 — 12:25 and 15:00 — 15:38) due to our personal experiment.
1999/09/02	07:45:24	15:44:56	
1999/09/03	07:45:23	15:44:56	Antenna E27 and E28 data unsusable (10:25 — 12:25 and 15:00 — 15:45) due to our personal experiment.
1999/09/04	07:45:23	15:44:56	
1999/09/05	07:45:20	15:44:57	
1999/09/06	07:45:24	15:44:57	Antenna E27 and E28 data unsusable (10:45 — 12:25) due to our personal experiment.
1999/09/07	07:45:22	15:44:56	
1999/09/08	07:45:21	15:44:56	
1999/09/09	07:45:22	15:44:58	Antenna E27 and E28 data unsusable (08:10 — 13:35) due to our personal experiment.
1999/09/10	07:45:21	15:44:59	Antenna E27 and E28 data unsusable (11:00 — 11:45) due to our personal experiment.
1999/09/11	07:45:21	15:44:58	
1999/09/12	07:45:25	15:45:00	
1999/09/13	07:45:21	15:44:58	
1999/09/14	07:45:21	15:44:58	
1999/09/15	07:45:25	15:44:58	
1999/09/16	07:45:25	15:44:57	
1999/09/17	07:45:25	15:44:59	
1999/09/18	07:45:21	15:44:59	
1999/09/19	07:45:22	15:44:56	
1999/09/20	07:45:21	15:44:56	
1999/09/21	07:45:21	15:44:58	Antenna E27 and E28 data unsusable (08:05 — 10:15) due to our personal experiment.
1999/09/22	07:45:21	15:44:58	
1999/09/23	07:45:21	15:44:56	
1999/09/24	07:45:21	15:44:57	
1999/09/25	07:45:20	15:44:59	
1999/09/26	07:45:21	15:44:57	
1999/09/27	07:45:21	15:44:58	
1999/09/28	07:45:21	15:44:58	
1999/09/29	07:45:23	15:44:58	
1999/09/30	07:45:21	15:44:57	

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

DATE	START(JST) (UT=JST-9h)	END	COMMMENTS
OCTOBER 1999			
1999/10/01	07:45:21	15:44:59	
1999/10/02	07:45:21	15:44:58	
1999/10/03	07:45:21	15:35:20	
1999/10/04	09:00:21	15:44:55	Observation start at 09:00 due to trouble in data acquisition system.
1999/10/05	07:45:24	15:44:59	
1999/10/06	07:45:21	15:44:58	Antenna E27 and E28 data unsusable (08:10 ― 13:30) due to our personal experiment.
1999/10/07	07:45:24	15:44:55	
1999/10/08	07:46:00	15:44:22	
1999/10/09	07:45:21	15:44:55	
1999/10/10	07:45:21	15:44:58	
1999/10/11	07:45:22	15:44:58	
1999/10/12	07:45:22	15:44:59	
1999/10/13	07:45:24	15:44:56	
1999/10/14	07:45:21	15:44:58	
1999/10/15	07:45:24	15:44:56	
1999/10/16	07:45:21	15:44:59	
1999/10/17	07:45:22	15:44:56	
1999/10/18	07:45:24	15:44:56	
1999/10/19	07:45:22	15:44:57	
1999/10/20	07:45:24	15:44:57	
1999/10/21	07:45:22	15:44:57	
1999/10/22	07:45:25	15:44:58	Data quaity low (start ― 10:00) due to system synchronization error.
1999/10/23	07:45:24	15:44:58	
1999/10/24	07:45:22	15:44:57	
1999/10/25	07:45:21	15:44:57	
1999/10/26	07:45:24	15:44:58	
1999/10/27	07:45:22	15:44:59	
1999/10/28	07:45:21	15:44:57	
1999/10/29	07:45:21	15:44:56	
1999/10/30	07:45:23	15:44:56	
1999/10/31	07:45:21	15:44:56	

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

DATE	START(JST) (UT=JST-9h)	END	COMMMENTS
NOVEMBER 1999			
1999/11/01	07:45:24	15:44:56	
1999/11/02	07:45:21	15:44:55	
1999/11/03	07:45:22	15:44:57	
1999/11/04	07:45:21	15:44:57	
1999/11/05	07:45:22	15:44:57	
1999/11/06	07:30:22	15:29:56	
1999/11/07	07:30:22	15:29:57	
1999/11/08	07:30:22	15:30:00	
1999/11/09	07:30:21	15:30:00	
1999/11/10	07:30:20	15:29:55	
1999/11/11	07:30:23	15:29:58	
1999/11/12	07:30:19	15:29:55	
1999/11/13	07:30:21	15:29:56	
1999/11/14	07:30:24	15:29:57	
1999/11/15	07:30:24	13:30:23	
1999/11/16	07:30:22	15:29:58	
1999/11/17	07:30:22	15:29:58	
1999/11/18	07:30:22	15:29:56	
1999/11/19	07:30:24	15:29:56	
1999/11/20	07:30:21	15:29:57	
1999/11/21	07:30:21	15:29:56	
1999/11/22	07:30:24	15:29:56	
1999/11/23	07:30:21	15:29:59	
1999/11/24	07:30:22	15:29:59	
1999/11/25	07:30:25	15:29:57	
1999/11/26	07:30:23	15:30:00	
1999/11/27	07:30:22	15:29:58	
1999/11/28	07:30:21	15:29:57	
1999/11/29	07:30:21	15:29:56	
1999/11/30	07:30:21	15:29:58	

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

DATE	START(JST) (UT=JST-9h)	END	COMMMENTS
DECEMBER 1999			
1999/12/01	07:30:21	15:29:59	
1999/12/02	07:30:21	15:29:55	
1999/12/03	07:30:23	15:29:56	
1999/12/04	07:30:22	15:29:58	
1999/12/05	07:30:22	15:29:56	
1999/12/06	07:30:24	15:29:56	
1999/12/07	07:30:21	15:29:56	Data quality low (～09:20 ― 09:45) due to snow.
1999/12/08	07:30:21	15:29:55	
1999/12/09	07:30:37	15:30:36	
1999/12/10	07:30:21	15:29:56	
1999/12/11	07:30:21	15:29:58	
1999/12/12	07:30:21	15:29:59	
1999/12/13	07:30:22	15:29:58	
1999/12/14	07:30:23	15:29:59	
1999/12/15	07:30:25	15:29:56	
1999/12/16	07:30:21	15:29:57	
1999/12/17	08:00:21	15:14:58	Data quality low (～10:00 ― 10:15) due to snow.
1999/12/18	08:00:23	15:14:56	
1999/12/19	08:00:20	15:14:56	
1999/12/20	08:00:52	15:14:26	
1999/12/21	08:00:23	15:14:57	
1999/12/22	08:00:23	15:14:56	
1999/12/23	08:00:21	15:14:55	
1999/12/24	08:00:23	15:14:56	
1999/12/25	08:00:20	15:14:58	
1999/12/26	08:00:24	15:14:56	
1999/12/27	08:00:20	15:14:57	
1999/12/28	08:00:22	15:15:00	
1999/12/29	08:00:21	15:14:55	
1999/12/30	08:00:21	15:14:57	
1999/12/31	08:00:24	15:14:56	