

PŘEHLED POZOROVANÝCH AKTIVNÍCH OBLASTÍ V H-ALFA 2013

This document contains summary informations about events observed in Valašské Meziříčí observatory.

We observe with these telescopes: - chromospheric telescope (diameter lens 135 mm, focal length 2 350 mm, effective focal lens of the entire, device 5 170 mm), telescope have H-alpha filtr Daystar, 0,7 Å
- synoptic telescope Lunt LS60TC Ha/B1200 (focal length 400 mm), 0,8Å

Data are in fits format and available in our archiv.

If you want use this data, please write on email: slunecni.skupina@pozorovanislunce.eu or mexnerova@astrovm.cz.

LEGEND

criterion of quality: 1 - excellent data
 2 - useful data - interference patterns, high clouds, fuzzy
 3 - bad data - without flat field, with clouds, really bad image

number: number images in the archiv

series: number of series in observing day

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DATE	YEAR	MONTS	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20130305	2013	03	05	11686	12:53	12:53	4	1	2+
20130306	2013	03	06	11686	12:54	12:54	4	1	2
20130320	2013	03	20	11695	08:30	15:27	29	8	1, 2
				11696	08:23	15:01	35	9	1, 2
20130408	2013	04	08	11711	09:39	12:32	23	5	1-
				11713	09:30	10:03	9	2	1
				11714	08:36	12:38	8	2	1-
				11718	08:57	12:25	8	2	1
				11719	08:16	12:14	23	6	1
20130415	2013	04	15	11718	07:15	09:00	7	2	2
				11719	07:05	12:07	21	6	1-, 2+
				11721	07:40	12:27	10	3	1-, 2-
				11722	07:47	12:32	10	3	2-
				11723	08:06	12:46	17	4	2+
				11724	08:06	12:40	12	3	2-
20130416	2013	04	16	11719	06:44	11:59	60	14	1-, 2-
				11721	06:50	12:04	27	6	1
				11722	06:55	12:07	21	5	1-
				11723	07:06	12:11	31	8	1-, 2+
				11724	07:00	12:15	11	4	1-
				HWDISC	08:03	08:04	4	1	2
20130417	2013	04	17	11719	14:17	14:17	5	1	3
				11721	13:57	13:57	5	1	3
				11722	13:57	13:57	5	1	3
				11723	14:09	14:09	3	1	3
				11724	14:25	14:25	1	1	3
20130418	2013	04	18	11721	08:47	12:19	13	3	2+
				11722	08:44	12:15	12	3	2+
				11723	08:35	12:33	14	4	2+
				11724	08:38	12:12	13	3	2
20130422	2013	04	22	11723	06:52	09:37	7	2	1
				11726	06:42	13:07	30	8	1-

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DATE	YEAR	MONTS	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20130422	2013	04	22	11727	07:33	12:21	15	4	1-
20130423	2013	04	23	11726	07:57	12:24	29	9	2
				11727	08:02	12:15	14	4	1-, 2
				11728	08:09	12:18	10	3	2+, 2-
20130424	2013	04	24	11726	11:36	11:41	7	2	1
				11728	11:44	11:44	3	1	1
20130425	2013	04	25	11726	08:14	13:06	62	13	1-
				11727	08:25	08:25	3	1	2
				11728	08:51	08:51	5	1	2
				11729	08:20	08:21	5	1	1-
				11730	08:47	08:47	2	1	1-
				11731	08:30	13:12	42	9	2+
20130426	2013	04	26	11726	06:38	13:23	34	5	2+
				11727	08:25	10:11	8	2	1, 2
				11728	06:30	10:07	14	3	1-, 2-
				11730	06:50	09:53	14	3	2
				11731	06:17	13:20	35	7	2+
20130508	2013	05	08	11732	08:58	08:58	15	1	1-
				11734	08:45	12:23	41	3	1, 1-
				11736	08:45	12:20	36	3	1, 1-
				11738	12:12	12:12	9	1	1
				11739	12:12	12:12	9	1	1
				11740	12:03	12:03	8	1	1
				11741	12:06	12:07	11	1	1
20130509	2013	05	09	11734	11:58	11:58	9	1	2
				11736	11:53	11:54	3	1	2
				11738	12:07	12:08	18	1	1-
				11739	12:07	12:08	18	1	1-
20130510	2013	05	10	11738	10:06	11:46	11	2	2
				11739	10:06	11:46	11	2	2
				11741	09:41	09:42	6	1	1-
				11742	06:44	11:29	13	3	2

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DATE	YEAR	MONTS	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20130510	2013	05	10	11743	06:44	11:29	13	3	2
				11744	06:39	11:25	21	4	2+, 2
20130514	2013	05	14	11741	15:20	15:21	4	1	2
				11742	09:13	16:03	24	5	2
				11743	09:13	16:03	24	5	2
				11744	08:04	15:57	15	6	2
				11745	08:01	15:47	70	13	2
				11746	09:09	10:22	35	8	2+
				11747	09:09	10:22	35	8	2+
				11748	07:58	15:52	30	6	2, 2+
20130515	2013	05	15	11741	06:56	11:47	9	2	1
				11742	06:48	15:17	70	8	1, 1-
				11743	06:48	15:17	70	8	1, 1-
				11744	06:52	14:09	29	6	1-, 2+
				11745	06:22	15:26	51	10	2
				11746	06:38	14:36	27	7	1-, 2
				11747	06:38	15:31	27	7	1-, 2
				11748	06:27	15:38	57	11	1, 2+
20130516	2013	05	16	11743	06:44	08:34	15	3	1-
				11744	06:40	11:39	42	9	2+
				11745	06:49	11:27	39	8	2+, 2-
				11746	07:02	11:33	19	5	1-, 2
				11747	06:58	11:33	20	5	1-, 2
				11748	06:54	11:25	44	8	1-, 2-
				11749	07:05	11:36	25	4	1-, 2-
				11750	08:39	09:49	10	2	2
				11751	08:21	09:17	7	2	2
20120518	2012	05	18	11745	12:13	12:14	19	1	2+
				11746	10:09	10:09	7	1	2+
				11748	09:24	09:25	16	1	2
				11752	10:20	10:20	13	1	1-
20130519	2013	05	19	11744	06:51	7:46	8	2	1-, 2

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DATE	YEAR	MONTS	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20130519	2013	05	19	11745	06:34	11:31	35	10	1, 2
				11746	07:02	08:13	13	3	2
				11747	06:59	06:59	3	1	2
				11745	06:34	11:31	35	10	1, 2
				11746	07:02	08:13	13	3	2
				11747	06:59	06:59	3	1	2
				11748	06:38	10:45	17	4	1+, 2
				11750	07:49	11:59	49	5	1-
20130522	2013	05	22	11754	15:58	15:58	3	1	2+
				11755	15:52	15:52	4	1	1-
				11756	15:55	06:06	8	2	2
20130526	2013	05	26	11754	08:34	08:38	4	2	1
				11755	08:23	08:28	12	2	1+
				11757	08:15	08:15	3	1	2
20130529	2013	05	29	11755	06:20	12:39	37	8	2+, 2-
				11756	06:29	12:42	36	7	2, 3+
				11757	06:16	12:50	14	4	2, 3+
				11760	09:59	13:17	8	2	2
				11761	08:03	13:13	7	1	2
20130602	2013	06	02	11760	09:03	09:04	4	1	1
				11762	08:39	09:27	10	2	1
				11763	08:42	08:43	6	1	1
				11764	08:35	08:35	8	1	1
20130607	2013	06	07	11765	11:33	14:48	24	5	2-
20130608	2013	06	08	11765	08:19	12:43	52	11	1-
20130609	2013	06	09	11765	08:44	12:54	50	10	1-
				11767	10:12	13:01	22	3	2
20130610	2013	06	10	11765	07:31	12:43	22	11	1-
20130612	2013	06	12	11765	06:40	11:36	11	2	2
				11767	07:37	11:14	15	2	2+
20130613	2013	06	13	11768	06:12	12:40	22	12	1-, 2+
				11769	07:13	10:55	12	4	2

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DATE	YEAR	MONTS	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20130613	2013	06	13	11770	07:13	10:55	12	4	2
20130614	2013	06	14	11768	08:40	08:40	7	1	3+
				11769	08:47	08:47	5	1	3-
				11770	08:52	08:52	3	1	3
20130615	2013	06	15	11768	09:30	14:59	36	7	2
				11769	09:36	13:45	6	2	2-
				11771	09:36	13:45	6	2	2-
20130616	2013	06	16	11768	14:52	16:42	17	4	2
				11769	15:33	16:52	17	4	1-, 2
				11770	15:23	16:20	14	3	2
				11772	15:33	16:52	17	4	1-, 2
				11773	16:05	16:20	5	2	2
				11774	15:26	16:20	15	3	2-
				11775	15:29	16:01	9	2	2
20130617	2013	06	17	11768	06:54	11:50	8	2	3+
				11769	06:47	13:23	40	6	2-
				11770	06:50	13:26	6	4	3+
				11772	06:47	13:23	40	6	2-
				11773	06:38	13:14	18	4	2, 3+
				11774	06:40	11:38	7	3	2-
				11775	06:43	13:09	17	6	3+
20130618	2013	06	18	11770	07:41	15:41	43	10	2+
				11772	07:41	15:41	60	10	2+
				11773	07:29	14:44	47	8	2, 3+
				11774	07:36	14:55	40	7	3
				11775	07:23	13:51	26	7	2
				11776	10:09	14:21	19	4	3
20130619	2013	06	19	11770	08:14	15:23	25	6	2+, 2-
				11772	08:14	15:23	25	6	2+, 2-
				11773	08:20	15:38	16	5	1, 2
				11774	08:10	11:24	13	3	2-
				11775	08:07	15:19	16	5	2

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DATE	YEAR	MONTS	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20130619	2013	06	19	11776	08:17	15:34	53	9	2
20130620	2013	06	20	11770	06:18	07:54	17	2	2+
				11772	06:18	07:54	17	2	2+
				11773	06:04	09:03	20	3	2
				11774	06:12	07:51	17	2	2
				11775	06:07	14:41	77	12	2
				11776	05:58	14:24	117	12	2
				11777	06:39	12:46	57	9	2, 3+
				HWDISC	07:37	13:47	68	7	2+
20130621	2013	06	21	11770	05:43	08:18	20	3	2+
				11772	05:43	08:18	20	3	2+
				11773	05:45	08:27	18	3	1-, 2-
				11774	05:40	08:15	14	3	2+, 3
				11775	05:36	08:12	12	3	2, 3+
				11776	05:48	08:32	15	3	2, 3
				11777	05:30	08:09	20	3	2
20130622	2013	06	22	11770	11:34	11:34	5	1	2
				11772	11:34	11:34	5	1	2
				11773	11:29	11:30	4	1	1-
				11774	11:34	11:34	5	1	2
				11775	11:36	11:36	8	1	1-
				11776	11:13	11:13	4	1	1-
20130623	2013	06	23	11770	08:28	09:46	79	5	2+
				11772	08:28	09:46	79	5	2+
				11773	08:33	8:33	8	1	2
				11774	08:28	09:46	79	5	2+
				11775	08:24	10:22	53	4	1-
				11776	08:30	9:44	22	2	2+
				11777	08:35	8:35	4	1	2
				11778	08:38	8:38	5	1	2-
				HWDISC	08:53	10:21	28	6	1-
20130629	2013	06	29	11777	07:03	12:57	28	6	1-
				11778	06:55	12:51	34	7	1

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DATE	YEAR	MONTS	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20130629	2013	06	29	11779	07:32	07:33	5	1	1
				11781	06:59	13:02	13	3	1-
				11782	07:08	07:09	3	1	2+
				HWDISC	12:41	12:46	7	2	2
20130701	2013	07	01	11777	07:43	11:46	19	3	1, 2
				11778	07:51	11:52	16	3	1, 2
				11780	07:43	11:46	19	3	1, 2
				11781	07:36	11:40	17	3	1-
				11783	08:34	08:35	4	1	2-
				HWDISC	08:07	10:52	20	2	1
20130702	2013	07	02	11777	06:29	12:39	26	6	2
				11778	07:04	11:51	17	3	1, 2
				11780	06:29	12:39	30	6	2
				11781	06:32	11:40	19	4	2
				11783	06:59	06:59	5	1	2
				11784	06:50	11:57	12	3	2-
				11785	06:43	12:35	27	6	3
				HWDISC	07:23	11:56	12	4	1
20130703	2013	07	03	11781	10:15	15:55	73	4	2
				11785	09:14	16:15	88	14	1-, 2-
				11786	10:04	16:10	91	6	2+
				11787	09:14	16:15	88	14	1-, 2-
20130704	2013	07	04	11784	08:46	13:23	9	3	2-
				11785	06:17	13:39	44	14	3+
				11787	06:22	13:44	24	8	2
				HWDISC	06:04	12:54	55	13	1-
20130705	2013	07	05	11784	12:48	12:48	3	1	2+
				11785	12:43	12:43	3	1	1-
				11787	12:50	12:51	3	1	2
20130707	2013	07	07	11784	09:14	16:52	9	3	2+
				11785	08:57	17:16	15	5	2+, 3+
				11787	09:05	17:19	12	4	1-, 2
20130708	2013	07	08	11784	06:26	11:22	20	5	2-

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DATE	YEAR	MONTS	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20130709	2013	07	09	11785	06:29	16:10	52	11	2-
				11787	06:33	16:14	39	9	2-
				11789	06:36	11:19	13	4	2-
				11790	06:40	11:05	11	3	2-
				11784	06:20	12:00	11	3	2
				11785	06:17	12:34	30	6	2
				11787	06:14	12:37	18	4	2-
				11789	06:31	08:01	8	2	2-
20130709	2013	07	09	HWDISC	06:42	15:29	123	20	1
20130710	2013	07	10	11785	06:15	13:28	40	8	2+
				11787	06:52	13:32	41	8	2
				HWDISC	06:19	12:49	22	6	2+
20130713	2013	07	13	11787	08:33	10:55	6	2	1,2
				11791	08:36	10:12	12	4	2
				11792	08:41	08:41	3	1	2+
				HWDISC	09:48	11:10	4	2	3-
20130716	2013	07	16	11791	06:22	16:04	38	6	1, 2
				11793	06:27	16:53	74	10	2+, 3+
				11794	06:44	08:17	28	2	2
				11795	06:40	06:41	9	1	2
				HWDISC	07:29	12:45	20	4	1-
20130717	2013	07	17	11791	05:10	16:30	38	14	1, 3
				11793	05:21	16:24	74	10	3
				HWDISC	06:36	12:46	64	12	1, 2-
20130718	2013	07	18	11791	08:50	13:45	39	4	2-
				11793	08:39	15:04	96	8	1-, 3+
				11796	08:44	13:37	103	5	2, 3+
				11797	12:56	12:57	10	1	2-
				11798	09:49	14:21	53	4	2
				11800	11:29	11:29	11	1	3+
20130719	2013	07	19	11793	05:08	13:11	102	9	1-, 2-
				11796	05:53	05:53	9	1	1-
				11798	05:16	08:39	40	5	1-, 2-

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DATE	YEAR	MONTS	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20130719	2013	07	19	11800	05:22	12:55	54	7	2
				HWDISC	10:52	13:01	18	4	1
20130721	2013	07	21	11793	06:56	16:17	62	20	2+, 3+
				11800	06:49	15:55	52	15	2-
				HWDISC	06:37	16:04	503	26	1-
20130722	2013	07	22	11793	06:21	11:21	21	3	1-, 2+
				11800	06:26	11:25	17	3	2
				11803	08:36	08:37	7	1	2+
20130722	2013	07	22	HWDISC	06:16	14:42	31	10	2+
20130723	2013	07	23	11793	06:32	07:23	35	5	1-
				11799	06:41	11:51	35	4	1-
				11800	06:36	12:48	39	5	1-
				11801	08:21	11:56	18	3	2-
				11803	06:47	12:50	34	5	2+
				HWDISC	07:08	13:04	20	6	1
20130724	2013	07	24	11793	06:22	13:12	21	4	1-
				11799	06:28	11:14	18	3	2+
				11800	06:26	13:15	31	5	2
				11801	06:34	11:21	18	3	2-
				11803	06:31	07:24	15	3	2
				11804	06:44	13:09	32	5	1-, 2-
				HWDISC	06:40	15:54	39	9	1
20130725	2013	07	25	11793	13:17	13:24	12	2	2+
				11800	13:31	13:31	12	1	2
				11801	13:34	13:34	5	1	2
				11803	13:37	13:37	5	1	2+
				11804	13:40	13:40	3	1	1-
				HWDISC	13:32	13:34	5	1	2+
20130726	2013	7	26	HWDISC	06:37	16:53	72	14	2-
20130727	2013	07	27	11800	09:31	16:10	21	7	1-, 3
				11801	10:04	16:07	21	7	2-
				11805	09:38	16:23	21	7	2+, 3
				11806	10:11	11:54	6	2	3

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DATE	YEAR	MONTS	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20130727	2013	07	27	HWDISC	09:31	16:44	26	8	1-
20130728	2013	07	28	11800	05:36	16:32	78	21	2
				11801	06:43	13:18	21	7	3+
				11805	05:39	16:02	86	24	2-
				11806	06:26	15:46	58	17	2-
				HWDISC	07:44	12:29	21	7	2+
				11800	09:23	13:33	14	4	2-
				11801	09:08	13:10	11	3	3+
20130729	2013	7	29	11805	09:18	15:30	23	6	2+
				11806	09:00	15:16	20	5	3+
				11807	11:16	13:15	6	2	3
				11808	11:10	15:23	23	6	2-, 3+
				HWDISC	07:10	15:41	44	13	1-
20130730	2013	07	30	11801	16:30	16:30	3	1	2-
				11805	16:27	16:27	4	1	2
				11806	16:40	16:40	3	1	2
				11807	16:32	16:32	3	1	2
				11808	16:37	16:37	3	1	2-
20130731	2013	07	31	11800	10:28	10:28	3	1	2
				11801	09:01	09:02	4	1	2
				11805	10:28	10:28	3	1	2
				11806	09:49	09:49	4	1	2
				11807	09:08	09:29	12	3	2+
				11808	08:44	08:44	4	1	2-
				11809	08:38	08:38	4	1	2
				11810	09:59	09:59	4	1	2
				11811	10:54	10:54	4	1	2
				HWDISC	11:07	11:08	4	1	2
20130801	2013	08	01	11801	06:39	13:29	9	3	2
				11806	06:34	13:44	12	4	2+
				11807	06:44	13:32	10	3	2
				11808	06:24	11:00	11	3	2
				11809	06:30	13:41	15	4	2+

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DATE	YEAR	MONTS	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20130801	2013	08	01	11810	06:55	13:37	13	4	2
				11811	07:36	11:05	6	2	2-
				HWDISC	07:14	16:55	39	11	1-
				11801	12:43	16:16	8	2	2
				11806	12:47	16:50	25	6	2-
				11808	13:03	16:21	7	2	2-
				11809	13:00	16:47	16	5	2-
				11810	13:18	16:09	10	3	2-
20130802	2013	08	02	HWDISC	06:06	15:36	60	19	2
20130803	2013	08	03	11801	06:03	10:12	7	2	2-
				11806	06:09	14:45	21	6	1-, 2-
				11808	06:20	11:52	21	7	2
				11809	06:14	12:57	23	6	2
				11810	07:04	10:51	7	2	2-
				11811	06:17	13:06	13	4	3+
				HWDISC	06:46	14:40	33	10	1-
20130804	2013	08	4	11801	11:31	13:55	12	3	2
				11806	06:19	14:49	27	7	2
				11808	06:14	14:08	22	6	2
				11809	06:11	15:10	21	6	2
				11810	06:05	14:31	18	5	2
				HWDISC	06:52	14:58	40	11	2+
20130805	2013	08	05	11806	07:08	11:58	25	5	2+
				11808	07:05	12:01	12	3	2
				11809	06:59	11:53	22	4	2
				11810	07:02	11:55	18	4	2
				HWDISC	07:15	14:20	30	10	1
20130806	2013	08	06	11806	06:26	13:54	25	5	1, 2
				11808	06:22	13:50	14	4	2
				11809	06:19	13:46	18	5	1, 2
				11810	06:15	14:48	27	8	1, 2-
				HWDISC	06:35	16:05	57	16	1
20130807	2013	08	07	11808	06:32	16:32	30	7	1-, 3+

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DATE	YEAR	MONTS	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20130807	2013	08	07	11809	06:36	16:38	31	8	2-
				11810	06:42	16:41	29	8	2
				11814	11:59	15:54	12	3	2
				11815	11:40	16:35	13	4	3
				11816	11:59	15:54	12	3	2
				HWDISC	08:09	15:30	15	6	2+
20130808	2013	08	08	11808	06:47	11:43	7	2	3+
				11809	06:51	11:39	7	2	2-
				11810	08:24	11:28	8	2	2-
				11813	08:19	11:21	7	2	2-
				11814	08:37	11:35	8	2	2-
				11815	08:29	08:29	3	1	2-
				11816	08:37	11:35	8	2	2-
				HWDISC	07:49	14:43	27	9	1-
20130811	2013	08	11	11809	13:59	13:59	3	1	2+
				11813	14:02	14:03	4	1	2+
				11814	12:16	12:16	3	1	2
				11817	12:28	14:48	14	4	2-
				11818	13:53	14:07	7	2	2-
				11819	12:50	12:50	4	1	2
				HWDISC	07:22	15:52	28	9	1-
20130812	2013	08	12	11809	13:05	13:05	3	1	2
				11814	06:14	13:02	6	2	2+
				11817	06:10	15:56	36	12	2
				11818	06:01	16:00	30	8	2
				11819	06:05	12:54	7	2	2
				HWDISC	06:49	15:27	39	11	1-
20130813	2013	08	13	11814	06:32	06:32	4	1	2+
				11817	06:13	06:13	4	1	2-
				11818	06:07	06:08	4	1	2-
				HWDISC	06:33	07:00	6	2	2+
20130814	2013	08	14	11817	07:26	12:30	15	4	2+, 2-
				11818	07:21	11:18	10	3	2+

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DATE	YEAR	MONTS	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20130814	2013	08	14	11819	07:24	12:32	13	4	2+
				11820	07:31	11:22	10	3	1-
				HWDISC	07:09	12:21	16	5	2
				11817	06:25	16:19	20	6	1, 2-
				11818	06:22	16:23	28	9	1, 2
				11819	06:28	11:19	13	4	1-, 2+
				11820	06:32	16:14	11	3	1-, 2
				11821	06:36	07:58	8	4	2+
20130815	2013	08	15	11823	16:07	16:36	7	2	2
				HWDISC	06:49	15:54	40	12	2+
20130816	2013	08	16	11817	05:57	15:37	18	5	1-, 2-
				11818	06:14	15:32	58	10	1-
				11819	05:54	05:54	6	1	1-
				11820	06:11	10:59	12	2	2
				11822	06:04	14:25	18	3	2
				11823	06:04	14:25	18	3	2
				HWDISC	07:00	15:54	36	12	1-
20130817	2013	08	17	11817	06:25	15:52	16	4	1, 2
				11818	06:21	16:07	26	6	1-, 2-
				11820	07:47	16:16	12	3	1-
				11822	06:29	16:14	19	5	1-, 2
				11823	06:29	16:12	19	5	2+
				11824	08:34	15:08	11	5	2-
				HWDISC	07:14	15:36	34	9	2+
20130818	2013	08	18	11817	07:07	14:51	10	2	2
				11818	06:34	13:13	22	5	3+
				11820	15:01	15:01	3	1	2-
				11823	06:47	15:04	10	3	2-
				11824	08:48	14:55	13	4	2
				HWDISC	07:18	15:17	44	12	1-
20130821	2013	08	21	11820	14:38	14:39	3	1	2+
				11828	15:02	15:03	3	1	1-
20150822	2013	08	22	11820	07:47	10:46	11	3	2

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DATE	YEAR	MONTS	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20150822	2013	08	22	11823	07:59	09:16	8	2	2-
				11825	07:29	10:37	8	2	2+
				11827	08:07	11:01	7	2	2
				11828	08:18	12:00	10	3	2+
				11830	07:47	10:46	7	2	2
				11831	07:18	10:26	8	2	2-
				HWDISC	07:54	13:59	22	7	2
20130823	2013	08	23	11820	06:36	16:11	19	5	2
				11823	06:29	16:15	18	4	2+
				11825	06:49	15:24	19	4	2
				11827	07:15	16:20	18	4	2
				11828	07:05	08:10	8	2	2+
				11830	06:36	16:11	4	1	2
				11831	06:43	16:06	20	5	2-
				11832	06:56	16:06	10	3	2+
				HWDISC	07:06	15:35	30	9	2
20130829	2013	08	29	11834	08:21	10:00	7	2	1-
				11835	08:35	09:57	7	2	2+
				11836	08:24	10:24	9	3	1-, 2
20130830	2013	08	30	11834	07:06	11:36	7	2	1
				11835	06:36	15:04	19	5	2
				11836	06:30	12:52	15	4	1-, 2
				HWDISC	12:12	15:46	9	3	2+
20130831	2013	08	31	11834	08:51	10:45	9	3	1
				11835	10:23	10:52	6	2	1-
				11836	10:16	10:48	6	2	2+
				HWDISC	10:55	11:46	6	2	1-
20130903	2013	09	03	11834	13:06	14:19	6	2	1-, 2-
				11835	13:09	14:38	5	2	1-, 2-
				11836	13:15	13:55	7	2	2+
				11837	13:12	14:55	6	2	2+, 2-
				HWDISC	13:37	15:39	9	3	1-
20130904	2013	09	04	11834	06:47	14:40	8	2	2+

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DATE	YEAR	MONTS	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20130904	2013	09	04	11835	06:43	14:38	11	3	1-
				11836	06:52	14:43	11	3	1-
				11837	07:24	14:33	10	3	2
				HWDISC	07:35	11:01	12	3	2
20130905	2013	09	05	11834	07:21	10:33	9	3	2-
				11835	07:07	10:30	11	2	2+
				11836	06:49	10:22	17	3	1-
				11837	07:01	11:55	17	3	2+
				HWDISC	07:28	11:58	12	4	1-
20130906	2013	09	06	11836	06:24	12:28	24	5	1-, 2+
				11837	06:28	12:30	23	5	2
				11838	06:40	12:35	19	5	2
				HWDISC	07:56	13:52	18	6	2
20130907	2013	09	07	11836	07:02	09:44	12	4	1
				11838	07:07	09:48	12	4	1
				HWDISC	07:38	10:15	12	4	1
20130908	2013	09	08	11836	07:48	12:39	19	5	1-
				11838	07:17	12:44	37	10	2+
				HWDISC	07:12	12:13	18	6	2-
20130910	2013	9	10	11839	09:03	12:18	8	2	2, 3
				HWDISC	07:22	09:28	10	3	2-
20130911	2013	09	11	11838	14:38	14:39	3	1	2
				11839	14:34	14:25	3	1	2
20130912	2013	09	12	11838	07:20	07:20	3	1	1
				11840	07:25	07:25	4	1	1-
				11841	07:10	07:10	3	1	1-
				11842	07:17	07:17	3	1	1
				HWDISC	08:14	08:45	6	2	2-
20130918	2013	09	18	11841	07:37	10:34	6	2	1
				11843	07:33	10:32	13	4	2
				11845	07:27	10:28	11	3	2
				11846	07:27	10:28	11	3	2
20130925	2013	09	25	11846	06:47	06:47	6	1	1-

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DATE	YEAR	MONTS	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20130925	2013	09	25	11849	06:52	06:52	5	1	2+
				11850	06:57	06:58	7	1	1-
				11851	07:03	07:03	6	1	1-
20130927	2013	09	27	11846	10:34	12:26	7	2	2
				11850	10:18	12:21	6	2	1
				11853	12:28	12:28	4	1	1-
20130928	2013	09	28	11846	08:57	08:58	3	1	1
				11850	08:49	08:49	3	1	1
				11853	08:55	08:55	3	1	1
				11854	09:20	09:22	5	1	2-
20130929	2013	09	29	11846	08:51	08:51	4	1	1
				11850	08:49	08:49	4	1	1
				11854	09:01	09:01	4	1	2+
				11855	08:55	08:56	4	1	1-
				HWDISC	10:00	10:00	3	1	2
20130930	2013	09	30	11850	11:05	11:59	8	2	2+
				11854	10:55	10:55	3	1	2
				11855	08:24	11:00	9	2	2-
20131001	2013	10	01	11850	10:28	11:58	7	2	2
				11854	10:08	11:07	8	2	2
				11855	10:11	11:43	12	3	2
20131002	2013	10	02	11854	08:39	08:39	4	1	1
				11855	08:35	08:38	4	1	1
				11856	08:43	08:45	4	1	2-
20131003	2013	10	03	11855	08:28	12:27	8	2	2+, 3+
				11856	08:38	08:40	3	1	2-
				11857	08:45	08:45	4	1	2
				11858	08:33	08:36	4	1	2
20131004	2013	10	04	11855	08:50	11:56	12	3	2+
				11856	08:24	12:14	14	3	2
				11857	08:45	12:12	11	3	1
				11858	09:04	11:50	13	3	2
				11859	10:35	10:35	4	1	2

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DATE	YEAR	MONTS	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20131005	2013	10	05	11856	09:58	09:58	4	1	2
				11857	10:01	10:01	4	1	2
20131007	2013	10	07	11857	11:59	12:35	7	2	1-
				11860	12:38	12:39	3	1	2+
				11861	13:07	13:07	3	1	1
20131008	2013	10	08	11856	13:53	13:54	4	1	2
				11857	13:30	13:31	3	1	2-
				11860	14:13	14:13	4	1	2-
				11861	14:00	14:00	3	1	2
				11862	14:28	14:28	3	1	2-
				11863	14:19	14:20	4	1	2
				11864	14:04	14:04	3	1	2
				11865	14:04	14:04	3	1	2
20131013	2013	10	13	11857	08:33	08:33	4	1	1-
				11861	08:25	08:25	3	1	2+
				11863	08:28	09:59	6	2	2+
				11864	08:17	08:17	6	2	2-
				11865	08:17	08:17	3	1	2-
				11867	08:41	08:42	4	1	2
				HWDISC	09:13	10:36	12	4	1
20131017	2013	10	17	11861	08:37	09:01	7	2	2+
				11864	08:41	08:42	4	1	1-
				11865	08:41	08:42	4	1	1-
				11869	08:32	08:33	3	1	2
				11871	08:32	08:33	3	1	2
				11872	07:46	07:46	3	1	2-
				11873	07:40	07:40	3	1	2+
				11874	08:20	08:21	3	1	2
20131019	2013	10	19	11861	10:07	10:08	3	1	2+
				11868	09:58	09:58	3	1	2+
				11869	09:50	09:50	3	1	1-
				11872	08:27	08:27	3	1	2
				11873	08:41	11:27	6	2	2

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DATE	YEAR	MONTS	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20131019	2013	10	19	11874	08:35	08:35	3	1	2
				11875	08:13	11:13	7	2	1-
				11877	08:20	08:21	4	1	2
				HWDISC	09:18	11:10	9	3	2-
20131020	2013	10	20	11873	11:21	12:28	8	2	1-
				11875	12:14	12:14	4	1	2
20131022	2013	10	22	11872	07:52	13:44	10	3	2-
				11873	08:55	08:55	4	1	2+
				11874	08:52	08:52	3	1	2+
				11875	07:10	08:43	12	3	3+
				11877	07:49	08:46	8	2	3
				11879	07:49	08:46	8	2	3
				11880	08:58	08:58	4	1	2+
20131023	2013	10	23	11872	07:32	07:32	4	1	2
				11873	07:19	07:19	4	1	2-
				11874	07:35	07:35	3	1	3
				11875	07:16	07:17	4	1	3+
				11877	07:23	07:24	4	1	3+
				11879	07:23	07:24	4	1	3+
				HWDISC	11:46	12:50	7	2	2
20131025	2013	10	25	11875	12:18	12:18	3	1	1-
				11877	10:25	10:25	3	1	1-
				11879	10:25	10:25	3	1	1-
				11882	12:23	12:23	3	1	2
20131029	2013	10	29	11875	07:52	07:52	4	1	2
				11877	07:48	07:49	4	1	2
				11882	07:43	07:43	4	1	2
				11884	07:27	07:27	4	1	2
				11885	07:27	07:27	4	1	2
20131031	2013	10	31	11879	12:31	12:32	3	1	2-
				11882	11:10	11:11	3	1	2
				11884	09:53	12:54	11	3	2-
				11885	09:53	12:54	11	3	2-

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DATE	YEAR	MONTS	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20131031	2013	10	31	11887	12:22	12:22	3	1	2-
				HWDISC	11:04	13:18	12	3	2-
20131101	2013	11	01	11882	07:59	07:59	3	1	2
				11884	07:33	07:50	7	2	2
				11885	07:33	07:50	7	2	2
				11886	08:17	08:17	3	1	2
				11887	07:53	07:54	3	1	2
				11888	08:02	08:02	4	1	2-
				HWDISC	08:32	08:32	3	1	2
20131108	2013	11	08	11887	11:36	11:36	4	1	2+
				11891	08:11	11:28	15	3	2, 3-
				11893	11:44	11:44	3	1	2
				HWDISC	13:12	13:43	6	2	2
20131114	2013	11	14	11897	09:09	09:16	4	1	2
20131210	2013	12	10	11912	12:23	12:23	4	1	1-
				11917	12:16	12:16	4	1	2-
				11918	12:12	12:12	4	1	2-
				11920	12:07	12:07	4	1	2
				11921	12:07	12:07	4	1	2
20131216	2013	12	16	11917	11:57	11:57	5	1	2-
				11918	12:00	12:00	4	1	2-
				11920	11:52	11:52	4	1	2-
				11921	11:52	11:52	4	1	2-
				11925	12:07	12:07	4	1	2-
20131217	2013	12	17	11917	10:34	10:34	4	1	2
				11918	10:38	10:38	4	1	2
				11920	10:40	10:41	4	1	2
				11921	10:40	10:41	4	1	2
				11925	10:45	10:45	4	1	2