

## TABLE OF OBSERVING ACTIVE REGIONS IN 2016 (H-ALPHA)

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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](mailto:slunecni.skupina@pozorovanislunce.eu) or [info@astrovm.cz](mailto:info@astrovm.cz).

## LEGEND

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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

TABLE OF OBSERVING ACTIVE REGIONS IN 2016 (H-ALPHA)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20160115	2016	01	15	12480	14:24	14:24	3	1	2-
20160122	2016	01	22	12487	12:38	12:38	3	1	2+
				12488	11:10	13:14	8	2	2-
20160130	2016	01	30	12489	12:39	12:39	3	1	2
				12490	12:45	12:45	4	1	2-
20160205	2016	02	05	12491	14:45	14:46	4	1	2+
				12492	14:49	14:49	4	1	1-
				12493	14:55	14:55	4	1	2+
				12494	14:42	15:43	4	1	2
				12496	14:51	14:52	4	1	2
20160226	2016	02	26	12506	10:58	13:10	11	3	1-, 2
				12507	11:01	11:02	4	1	1-
20160317	2016	03	17	12519	09:24	14:16	16	4	1-
				12524	09:32	09:33	4	1	1-
				12525	09:28	09:28	3	1	1-
20160318	2016	03	18	12519	11:58	12:31	6	2	1-
				12524	11:55	12:33	6	2	1-
20160327	2016	03	27	12524	09:48	12:23	14	4	1-, 2
				12525	09:32	11:39	15	3	1, 2
20160328	2016	03	28	12526	10:12	13:06	20	5	1-
20160331	2016	03	31	12526	13:02	14:55	16	4	2
20160402	2016	04	02	12526	07:30	09:50	12	3	2, 3
20160404	2016	04	04	12526	07:51	09:54	11	3	1-
				12527	07:58	07:58	4	1	1-
				12528	08:01	10:46	16	4	2+
20160405	2016	04	05	12526	07:33	09:37	6	2	2
				12528	09:23	11:07	6	2	2-
20160407	2016	04	07	12528	07:08	07:08	4	1	1-
20160413	2016	04	13	12529	08:04	12:39	15	3	1-
				12530	08:09	08:10	3	1	1+
20160415	2016	04	15	12529	08:09	10:16	12	3	2+
20160417	2016	04	17	12529	09:50	11:00	8	2	2

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DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20160417	2016	04	17	12532	09:47	10:56	8	2	2
				HWDISC	09:41	10:48	7	2	2
20160419	2016	04	19	12529	06:49	08:04	8	2	2+
				12532	07:06	08:01	7	2	2+
				HWDISC	07:49	08:21	8	2	2-
20160421	2016	04	21	12532	08:26	09:35	8	2	2-
				12533	08:31	09:27	5	2	2
20160422	2016	04	22	12533	07:10	08:49	11	3	2, 2-
				HWDISC	07:34	10:49	13	4	2
20160426	2016	04	26	12533	07:11	08:09	8	2	1-
				12535	07:07	08:06	8	2	2
				12536	06:54	08:03	8	2	2
				HWDISC	07:56	08:34	8	2	3
20160428	2016	04	28	12533	07:09	07:10	4	1	1
				12535	07:02	07:08	4	1	1
				12536	06:57	06:58	3	1	1
				12537	07:13	07:13	3	1	1-
				HWDISC	08:21	08:21	3	1	3
20160429	2016	04	29	12533	07:09	13:06	11	3	2
				12535	09:12	09:12	4	1	2-
				12536	07:25	13:26	11	3	1-, 2-
				12537	07:18	13:10	11	3	1, 2-
				12539	07:30	13:30	14	4	1-, 2-
				HWDISC	09:00	12:32	20	5	1
20160430	2016	04	30	12533	08:08	08:08	14	4	1-
				12535	08:42	08:42	4	1	2-
				12536	08:35	08:35	4	1	2+
				12539	08:25	09:32	8	2	2+
				HWDISC	08:58	11:14	9	3	1
20160506	2016	05	06	12539	07:08	07:08	4	1	1-
				12541	07:00	07:01	4	1	1-
				12542	06:57	06:57	4	1	2+

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DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20160506	2016	05	6	HWDISC	07:44	11:07	16	4	1
20160507	2016	05	07	12541	07:06	10:42	20	5	1, 2+
				12542	07:04	10:37	15	4	2+
				HWDISC	07:44	11:07	16	4	2-
20160509	2016	05	09	12542	09:22	09:22	4	1	2-
				HWDISC	08:57	11:05	9	3	1-
20160510	2016	05	10	12542	07:41	07:41	4	1	1-
				12543	07:46	07:46	4	1	2+
20160511	2016	05	11	12542	11:46	12:47	8	2	1-
				12543	11:59	13:20	8	2	2+, 2
				12544	12:04	12:05	4	1	2-
				HWDISC	12:22	13:17	8	2	1-
20160512	2016	05	12	12542	07:13	07:13	3	1	2+
				12543	07:25	07:25	3	1	2
				12544	07:31	07:31	4	1	2-
20160521	2016	05	21	12546	09:02	09:08	3	1	2-
20160522	2016	05	22	12546	11:51	12:45	6	2	2-
20160523	2016	05	23	12546	11:53	12:42	8	2	2-
				HWDISC	07:14	13:25	27	7	2
20160525	2016	05	25	12546	11:40	15:56	7	2	2, 3+
				12548	11:35	15:59	6	2	2, 3+
20160527	2016	05	27	12548	12:20	12:20	3	1	2-
20160530	2016	05	30	HWDISC	08:28	13:56	17	5	1-
20160531	2016	05	31	12550	09:40	14:45	12	3	2-
				12551	06:17	13:11	15	4	1-, 2
				HWDISC	09:50	15:25	23	6	2+
20160606	2016	06	06	HWDISC	07:59	13:59	26	7	2
20160607	2016	06	07	HWDISC	06:44	14:19	34	9	2
20160608	2016	06	08	12552	06:21	07:19	12	3	2
20160610	2016	06	10	HWDISC	07:18	08:34	8	2	2+
				12552	07:52	08:42	8	2	2+
20160614	2016	06	14	12553	06:44	08:11	8	2	1-, 2

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DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20160614	2016	06	14	12554	06:47	08:32	8	2	2+, 2-
				HWDISC	06:30	08:28	12	3	2+
20160615	2016	06	15	12553	07:57	07:57	8	2	2
20160616	2016	06	16	12553	07:35	10:29	12	3	2, 2-
				12555	08:38	10:26	8	2	2, 2-
				HWDISC	07:22	12:20	20	5	1
20160618	2016	06	18	HWDISC	09:01	09:50	8	2	2
20160622	2016	06	22	HWDISC	08:53	08:54	3	1	2
20160623	2016	06	23	HWDISC	06:56	10:50	9	3	2
20160624	2016	06	24	HWDISC	06:43	11:37	9	3	2-
20160629	2016	06	29	HWDISC	07:23	10:17	6	2	1-, 2
20160630	2016	06	30	HWDISC	07:06	12:35	22	6	1-
20160701	2016	07	01	HWDISC	07:02	10:37	7	2	1-
20160702	2016	07	02	HWDISC	07:40	10:04	10	3	2+
20160703	2016	07	03	HWDISC	11:50	11:50	3	1	1-
20160704	2016	07	04	HWDISC	06:01	14:03	24	8	2-
20160705	2016	07	05	HWDISC	06:32	11:51	18	6	2
20160707	2016	07	07	HWDISC	06:36	13:55	21	7	2-
				12561	07:33	11:34	10	3	3+
				12562	07:39	11:37	9	3	3+
20160708	2016	07	08	HWDISC	08:32	08:32	3	1	3
				12561	08:19	08:20	4	1	2
				12562	08:40	08:40	4	1	2+
20160709	2016	07	09	HWDISC	09:02	09:02	3	1	1-
20160710	2016	07	10	HWDISC	10:03	13:05	12	4	1-
20160711	2016	07	11	HWDISC	06:30	10:38	20	5	1-
20160712	2016	07	12	HWDISC	11:12	11:12	3	1	2+
20160713	2016	07	13	HWDISC	12:25	12:26	3	1	1-
				12565	11:45	11:45	3	1	2
20160720	2016	07	20	12565	10:05	10:05	3	1	1-
				12567	10:05	10:05	3	1	1-
				12569	10:10	10:10	3	1	2

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DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20160721	2016	07	21	12565	08:55	10:20	6	2	2
				12567	08:55	10:20	6	2	2
20160722	2016	07	22	12565	08:21	11:25	6	2	1-
				12567	08:21	11:25	6	2	2
20160723	2016	07	23	HWDISC	07:15	15:28	24	8	1
20160725	2016	07	25	HWDISC	11:02	14:59	12	4	1-
20160726	2016	07	26	HWDISC	09:25	15:29	18	6	1
20160727	2016	07	27	HWDISC	06:32	09:30	9	3	1-
20160729	2016	07	29	12570	07:57	07:57	4	1	1-
				HWDISC	08:20	08:20	4	1	2
20160730	2016	07	30	12570	10:44	12:33	6	2	2-
				HWDISC	07:02	07:02	3	1	1-
20160802	2016	08	02	HWDISC	07:10	13:56	12	4	1-, 2
20160804	2016	08	04	HWDISC	11:38	11:38	3	1	2
20160805	2016	08	05	12570	06:57	11:12	6	3	2+
				HWDISC	07:33	11:36	9	3	1-
20160807	2016	08	07	12571	07:01	07:02	3	1	1-, 2
				12572	07:19	11:40	6	2	2+
				HWDISC	10:09	16:00	18	6	1
20160808	2016	08	08	12571	12:33	15:47	12	4	2
				12572	12:41	14:14	6	2	2
				12573	12:52	15:51	9	3	1-
				12574	13:09	14:21	6	2	2+
				HWDISC	06:59	15:51	18	6	1
20160809	2016	08	09	12571	07:48	07:49	3	1	2
				12573	07:44	07:44	3	1	2+
20160812	2016	08	12	HWDISC	11:31	12:49	6	2	2
20160814	2016	08	14	HWDISC	08:06	14:39	15	5	1
20160815	2016	08	15	HWDISC	07:10	15:00	27	9	1+
20160817	2016	08	17	12574	12:26	12:26	4	1	2
				12576	12:31	12:32	4	1	2
				HWDISC	12:12	12:46	7	2	1-

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DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20160819	2016	08	19	12574	07:56	07:57	3	1	2
				12576	08:05	08:05	3	1	1-
				12578	07:50	07:51	3	1	2+
				HWDISC	08:11	08:11	3	1	1
20160823	2016	08	23	12579	07:29	09:26	8	2	2
				12580	07:36	09:33	6	2	2-
				HWDISC	08:27	11:15	12	3	1
20160825	2016	08	25	12578	06:45	10:22	7	2	1, 2
				12579	06:40	10:19	12	3	2+
				12580	06:31	06:31	4	1	1-
				12581	06:36	06:36	4	1	2
				HWDISC	07:09	10:12	12	3	2
20160827	2016	08	27	12581	08:46	08:46	4	1	2+
				HWDISC	07:51	12:04	19	5	1
20160828	2016	08	28	12580	08:03	09:39	8	2	1, 2
				12581	08:12	11:35	12	3	1-, 2
				12582	08:08	11:38	11	3	1-, 2-
				HWDISC	09:04	13:23	16	4	1
20160831	2016	08	31	12581	08:12	08:12	3	1	2-
				12582	08:21	08:22	3	1	2-
				HWDISC	11:54	11:54	4	1	2+
20160901	2016	09	01	12580	07:38	07:38	4	1	2+
				12581	07:41	07:42	4	1	2+
				12585	07:33	07:34	4	1	1-
				HWDISC	09:18	13:51	20	5	2+
20160904	2016	09	04	12585	08:48	10:40	8	2	1-, 2
20160908	2016	09	08	12585	12:30	12:30	4	1	2
				HWDISC	12:21	13:19	8	2	2
20160909	2016	09	09	12585	07:19	11:47	19	5	1-, 2+
				12588	08:32	10:50	8	2	1-, 2+
				12589	08:35	08:35	4	1	1
				HWDISC	07:01	12:47	27	7	2

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DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20160911	2016	09	11	12585	07:19	10:02	12	3	2
				12588	07:19	10:02	12	3	2
				12589	07:27	10:06	12	3	1, 1-
				12591	07:31	09:16	8	2	1-
				HWDISC	08:28	10:46	12	3	1
20160912	2016	09	12	12585	07:43	07:44	4	1	2+
				12588	07:43	07:44	4	1	2+
				12589	07:49	07:49	4	1	1-
				12591	07:52	07:52	4	1	2+
				HWDISC	08:16	08:16	3	1	1
20160913	2016	09	13	12589	07:12	07:12	3	1	1-
				12590	07:20	07:20	4	1	1-
				12591	07:26	07:26	3	1	2