

## TABLE OF OBSERVING ACTIVE REGIONS IN 2015 (H-ALPHA)

---

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

---

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 2015 (H-ALPHA)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20150113	2015	01	13	12261	11:49	11:49	3	1	2
20150203	2015	02	03	12277	13:03	13:08	8	2	1-, 2+
				12280	13:00	13:00	4	1	2
20150213	2015	02	13	12282	08:55	12:08	3	1	2
				12284	09:43	09:44	4	1	2
20150214	2015	02	14	12282	08:55	13:48	12	3	2+
20150217	2015	02	17	12282	09:40	10:43	12	3	1, 3+
20150308	2015	03	08	12297	08:13	09:26	8	3	1
20150310	2015	03	10	12297	09:33	09:41	11	3	1-
20150317	2015	03	17	12297	08:02	09:12	13	5	2
				12302	10:47	10:47	4	1	2
20150318	2015	03	18	12297	08:26	14:04	15	4	1-, 2-
				12302	08:18	13:14	16	6	1, 2
				12303	10:22	10:22	4	1	2
20150319	2015	03	19	12297	08:18	09:00	14	4	1-
				12303	08:04	12:02	15	3	2
20150320	2015	03	20	12303	07:37	07:38	5	1	2
				12304	07:44	07:45	4	1	2
20150323	2015	03	23	12303	10:43	10:44	4	1	2-
				12305	10:35	10:35	4	1	2-
				12308	10:47	10:48	4	1	2-
20150324	2015	03	24	12305	08:55	10:09	12	3	2
20150325	2015	03	25	12303	08:11	08:11	5	1	2
				12305	07:56	09:56	8	2	2+, 2
				12307	08:17	08:18	4	1	2
				12310	08:02	08:39	8	2	2, 3+
				12312	08:02	08:39	8	2	2, 3+
				12313	08:05	08:05	3	1	2+
				HWDISC	09:30	11:44	10	3	2-
20150403	2015	04	03	12317	14:12	14:29	6	2	2
20150410	2015	04	10	HWDISC	08:23	13:03	21	6	1-
20150411	2015	04	11	HWDISC	09:53	10:56	7	2	2

TABLE OF OBSERVING ACTIVE REGIONS IN 2015 (H-ALPHA)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20150411	2015	04	11	12320	07:22	08:58	12	3	2
				12321	08:20	09:02	8	2	2-
				12322	08:54	10:17	8	2	2
20150413	2015	04	13	12320	08:05	08:05	4	1	1-
				12321	07:53	08:14	7	2	1-
				12322	07:57	08:26	9	3	2
				12323	08:05	08:05	4	1	1-
				HWDISC	08:53	08:53	4	1	2+
20150414	2015	04	14	12320	10:08	14:31	8	2	2
				12321	09:08	14:27	9	3	1-, 2
				12323	10:08	14:31	8	2	2
				12324	13:31	13:32	3	1	2
				12325	13:37	13:38	3	1	2
				HWDISC	13:06	13:44	8	2	2
20150415	2015	04	15	12321	07:36	11:47	8	2	1
				12322	07:39	15:32	7	2	2
				12324	07:47	11:38	7	2	1-
				12325	07:43	07:44	4	1	1-
				HWDISC	09:05	13:17	23	6	1-
20150416	2015	04	16	12321	06:56	12:59	39	10	2, 3
				12322	06:59	08:54	8	3	2
				12324	06:35	12:42	20	5	2
				12325	06:49	12:45	15	4	2-
				HWDISC	07:42	11:01	10	3	1-
20150419	2015	04	19	12321	11:21	11:21	3	1	1
				12322	11:24	11:24	3	1	1-
				12324	11:16	11:16	4	1	3-
				12325	11:13	11:13	4	1	2+
				12327	07:41	07:41	3	1	2-
				12330	11:38	11:38	4	1	2-
20150421	2015	04	21	12324	09:00	14:57	15	4	3
				12325	09:03	15:02	12	3	2-

TABLE OF OBSERVING ACTIVE REGIONS IN 2015 (H-ALPHA)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20150421	2015	04	21	12327	12:29	15:06	8	2	3
				HWDISC	09:40	15:52	19	6	2
20150422	2015	04	22	12321	10:37	10:37	3	1	2
				12324	10:30	10:30	4	1	2
				12325	09:54	09:54	4	1	2
				12327	09:38	09:39	4	1	3
				12331	09:38	09:39	4	1	3
20150423	2015	04	23	12324	09:12	12:24	8	2	2-
				12325	08:53	12:21	8	2	2
				12326	07:39	12:11	7	2	2
				12327	07:25	12:32	8	2	2
				12331	07:25	12:32	8	2	2
				12332	12:28	12:28	4	1	3+
				12333	07:15	12:43	11	3	2-
				HWDISC	08:43	12:50	18	6	2-
20150424	2015	04	24	12324	10:42	10:42	3	1	1-
				12325	07:43	10:36	8	2	2-
				12327	06:59	10:44	7	2	1, 2+
				12331	06:59	10:44	7	2	1, 2+
				12333	06:51	10:33	6	2	1, 2-
				HWDISC	07:33	13:24	24	6	1-
20150425	2015	04	25	12325	07:11	07:11	4	1	1-
				12327	07:22	08:35	8	2	2+, 2
				12331	07:22	08:35	8	2	2+, 2
				12333	07:32	07:32	3	1	2
				HWDISC	07:24	09:32	7	2	1
20150427	2015	04	27	12327	06:50	09:41	16	4	2-, 3+
				12331	06:50	09:41	16	4	2-, 3+
20150507	2015	05	07	12339	07:31	07:31	4	1	2
20150511	2015	05	11	12335	12:41	13:25	12	3	2+
				12337	12:41	12:41	4	1	2-
				12339	09:36	14:30	16	4	2

TABLE OF OBSERVING ACTIVE REGIONS IN 2015 (H-ALPHA)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20150511	2015	05	11	12341	09:39	12:47	8	2	2
				12342	09:43	14:35	15	4	2-
				12344	11:33	12:50	7	2	2
				HWDISC	09:30	14:24	23	6	1
20150512	2015	05	12	12339	06:39	06:40	4	1	2
				12340	07:10	07:10	4	1	2
				12341	07:10	07:10	4	1	2
				12342	06:44	06:44	4	1	2
				12344	07:03	07:03	3	1	2
				12345	06:39	06:40	4	1	3+
				12346	07:03	07:03	3	1	3+
				12347	06:54	06:54	3	1	3+
				HWDISC	07:52	10:52	11	3	1-
20150513	2015	05	13	12339	10:57	11:17	8	2	2-
				12345	10:57	11:17	8	2	2-
20150516	2015	05	16	12339	07:42	09:26	7	2	1-, 2
				12341	07:48	07:49	3	1	2+
				12342	09:21	09:22	4	1	2-
				12344	07:53	09:15	7	2	2
				12346	09:15	09:15	4	1	2
				12348	07:36	12:04	11	3	1, 2
				HWDISC	10:33	12:13	11	3	1
20150518	2015	05	18	12341	07:30	07:30	4	1	1
				12342	06:41	07:24	6	2	1-
				12344	07:36	07:36	4	2	2+
				12348	05:46	09:32	7	2	1, 2-
				12349	07:46	09:21	11	3	1-
				12350	09:20	09:21	4	1	2
				HWDISC	06:13	09:50	24	6	2, 3-
20150519	2015	05	19	12342	06:57	06:58	4	1	2
				12348	06:43	06:43	4	1	2+
				12349	06:48	06:48	4	1	2+

TABLE OF OBSERVING ACTIVE REGIONS IN 2015 (H-ALPHA)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20150601	2015	06	01	12356	10:06	10:06	3	1	2
				12358	10:11	10:11	4	1	2
20150602	2015	06	02	12356	13:47	13:47	4	1	2+
				12358	13:51	13:51	4	1	1
20150603	2015	06	03	12356	08:16	08:17	4	1	2-
				12358	08:22	08:23	4	1	2-
				12360	08:05	08:05	4	1	2+
20150604	2015	06	04	12356	10:02	10:02	4	1	2
				12358	08:39	08:39	3	1	2
				12360	08:14	10:07	8	2	2+, 2-
				12361	08:30	10:12	7	2	2+
				HWDISC	09:59	13:38	16	4	2+
20150605	2015	06	05	12356	07:03	14:20	12	4	1-, 3
				12358	14:14	14:14	4	1	3
				12360	06:50	13:54	11	3	1-, 2-
				12361	06:53	14:00	14	4	2
				12362	06:53	14:00	14	4	2
				12365	14:05	14:05	3	1	3
				HWDISC	12:19	15:21	19	5	1
20150606	2015	06	06	12356	07:46	14:10	9	3	1-
				12359	07:46	14:10	9	3	1-, 3+
				12360	07:39	12:43	16	4	1-, 2-
				12361	07:31	13:56	14	4	1-, 2-
				12362	07:36	14:02	12	3	1, 2
				12363	07:43	07:43	4	1	2+
				12364	07:52	14:54	16	4	2+, 2-
				12365	07:52	14:54	16	4	2+, 2-
				HWDISC	07:19	14:34	31	9	1-
20150607	2015	06	07	12356	11:27	11:27	4	1	2-
				12360	11:24	11:24	4	1	2-
				12361	10:26	10:26	3	1	2+
				12362	10:30	10:45	4	1	2

TABLE OF OBSERVING ACTIVE REGIONS IN 2015 (H-ALPHA)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20150607	2015	06	07	12364	11:21	11:21	4	1	2-
				12365	11:21	11:22	4	1	2-
				HWDISC	10:33	12:19	9	3	1
20150611	2015	06	11	12360	07:29	07:29	4	1	1-
				12361	07:22	10:45	8	2	2+
				12362	07:25	07:25	3	1	2
				12365	07:13	08:39	8	2	2+
				12366	07:18	07:18	4	1	2
				12367	08:26	08:26	3	1	2-
				HWDISC	08:09	12:17	14	4	1
20150612	2015	06	12	12360	08:18	08:18	4	1	2+
				12362	08:11	08:11	4	1	2+
				12365	08:06	08:06	3	1	2-
				12366	08:14	08:14	4	1	2
				12367	07:22	07:28	4	1	1
				HWDISC	07:57	07:57	4	1	1
20150613	2015	06	13	12362	09:55	09:55	4	1	2+
				12365	11:03	11:04	4	1	3+
				12366	09:52	10:08	7	2	2+
				12367	10:44	10:44	4	1	3
				HWDISC	10:21	10:53	8	2	1
20150616	2015	06	16	12367	07:07	07:08	4	1	2-
20150622	2015	06	22	12367	11:21	11:21	4	1	1-
				12371	11:16	11:17	4	1	1-
20150626	2015	06	26	12371	06:39	10:10	20	5	1-
				HWDISC	07:44	10:52	16	4	2
20150630	2015	06	30	12373	09:02	09:03	3	1	2+
				12375	09:05	09:06	4	1	2
20150701	2015	07	01	12373	08:14	15:43	15	5	2+, 2-
				12375	08:28	15:34	18	5	2
				12376	08:21	15:39	15	5	1-, 2-
				12377	14:39	14:40	4	1	3-

TABLE OF OBSERVING ACTIVE REGIONS IN 2015 (H-ALPHA)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20150701	2015	07	01	HWDISC	11:57	17:00	25	8	2
20150702	2015	07	02	12373	06:33	10:32	16	4	2
				12375	06:27	10:35	15	4	3
				12376	06:31	10:29	16	4	1, 2
				12377	07:26	08:31	6	2	1, 2-
				12378	07:31	07:31	3	1	2
				HWDISC	07:02	14:12	31	10	2+
20150703	2015	07	03	12373	06:39	08:19	8	2	1, 2-
				12375	06:47	09:51	12	3	2-
				12376	06:36	09:56	11	3	1, 2-
				12377	07:03	07:04	3	1	1-
				12378	06:58	09:35	8	2	1-
				HWDISC	07:15	14:45	36	10	1-
20150704	2015	07	04	12373	06:28	07:50	7	2	2
				12375	06:31	09:22	10	3	2, 2-
				12376	06:25	08:51	11	3	1, 2-
				12377	06:39	06:39	3	1	1
				12378	06:34	09:26	9	3	2, 3+
				12379	06:34	09:26	9	3	2, 3+
				12381	06:51	08:16	7	2	2+
				HWDISC	06:33	06:18	30	9	1, 2-
20150705	2015	07	05	12373	09:13	09:13	3	1	2
				12375	09:06	09:06	4	1	2
				12378	09:03	10:44	8	2	2, 3
				12379	09:03	10:44	8	2	2, 3
				12381	09:00	10:41	7	2	1-, 3
				HWDISC	09:06	15:23	25	8	2+
20150706	2015	07	06	12373	07:08	10:28	4	2	2-
				12375	07:05	10:32	5	2	3+
				12376	07:08	10:28	4	2	2-
				12378	07:01	07:01	4	1	3+
				12379	07:01	07:01	4	1	3+



TABLE OF OBSERVING ACTIVE REGIONS IN 2015 (H-ALPHA)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20150706	2015	07	06	12381	06:51	12:02	21	7	3
				HWDISC	06:22	15:41	33	11	2-
20150707	2015	07	07	12373	06:02	08:21	5	2	2-
				12375	06:59	08:17	4	1	2
				12376	06:02	08:21	5	2	2-
				12381	05:41	13:35	17	5	3
				HWDISC	06:31	06:36	38	12	2+
20150709	2015	07	09	12375	06:50	06:50	3	1	1-
				12378	06:41	06:41	4	1	2+
				12381	06:34	06:34	3	1	2-
				12383	06:41	06:41	4	1	2+
				12384	07:01	07:02	3	1	2+
				HWDISC	07:18	11:50	15	5	1-
20150710	2015	07	10	12381	16:01	16:33	5	2	3
				12384	16:04	16:28	5	2	2-
				12385	15:54	15:55	4	1	2+
20150711	2015	07	11	12381	06:07	11:26	16	5	2
				12384	06:12	06:53	8	4	2, 2-
				12385	06:35	06:36	4	1	2+
				12386	06:17	06:18	4	1	2+
				HWDISC	06:53	13:35	22	7	2-
20150712	2015	07	12	12381	08:13	11:20	18	5	1-, 3+
				12384	08:25	10:49	16	4	3
				12385	08:17	09:27	7	2	1, 2-
				HWDISC	07:15	11:20	17	5	2
20150716	2015	07	16	12384	07:00	15:54	11	3	1, 3+
				12386	06:53	14:50	10	3	1-, 3
				12387	06:47	15:01	11	3	2, 3
				12388	06:56	14:58	11	3	1-, 3
				HWDISC	06:56	15:31	18	6	2-
20150717	2015	07	17	12384	07:08	08:27	8	2	2+
				12386	06:38	11:58	3	1	3+

TABLE OF OBSERVING ACTIVE REGIONS IN 2015 (H-ALPHA)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20150717	2015	07	17	12387	06:34	06:34	3	1	3+
				HWDISC	06:22	14:18	24	8	2-
20150718	2015	07	18	HWDISC	06:44	14:03	25	8	2
20150720	2015	07	20	12386	11:51	11:51	4	1	3+
				12387	11:56	11:56	4	1	2-
				HWDISC	09:30	15:05	25	7	1-
20150721	2015	07	21	12386	08:27	14:25	6	2	3
				12387	06:55	14:30	9	3	3-
				HWDISC	07:48	16:05	30	9	2-
20150722	2015	07	22	12386	06:49	15:14	9	3	1-, 3
				12387	06:32	15:09	6	2	3+
				HWDISC	06:33	15:06	28	9	2-
20150724	2015	07	24	12387	06:36	06:37	3	1	2
				12389	06:42	06:43	3	1	2-
				HWDISC	07:47	13:34	21	7	2+
20150726	2015	07	26	12389	10:26	10:28	4	1	2
				12390	09:51	15:49	13	4	2, 3
				HWDISC	08:52	15:14	25	7	2
20150729	2015	07	29	12390	15:03	15:04	4	1	2-
				12391	14:57	14:57	4	1	2-
				12392	15:59	16:00	4	1	2
20150730	2015	07	30	12390	07:47	13:16	12	3	1-
				12391	07:41	12:06	11	3	2-
				12392	14:14	14:14	3	1	2
				12393	07:37	14:09	16	4	2-
				12394	07:37	14:09	16	4	2-
				HWDISC	08:15	15:09	29	8	1
20150731	2015	07	31	12390	08:34	09:41	6	2	1, 2
				12391	08:22	08:22	3	1	2+
				12392	08:28	08:28	3	1	2
				12393	08:05	09:08	8	2	2+, 2-
				12394	07:57	09:13	7	2	1-, 2

TABLE OF OBSERVING ACTIVE REGIONS IN 2015 (H-ALPHA)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20150731	2015	07	31	HWDISC	08:14	14:40	23	7	1
20150801	2015	08	01	12390	07:52	09:00	7	2	1
				12391	07:42	09:25	7	2	1
				12393	07:32	09:21	6	2	1, 2-
				12394	07:22	09:16	7	2	2
				HWDISC	07:42	10:42	19	5	2
20150803	2015	08	03	12393	08:11	09:38	7	2	1-
				12394	08:00	09:34	7	2	2+
				12395	08:06	09:42	5	2	2-
				HWDISC	08:43	10:47	14	4	1-
20150804	2015	08	04	12391	06:50	06:50	4	1	1
				12393	06:53	06:53	4	1	2
				12394	06:41	10:35	10	3	2
				12395	06:35	08:48	8	4	2
				12396	06:45	13:24	23	6	2
				HWDISC	07:27	15:27	27	8	1-
20150805	2015	08	05	12393	08:01	08:01	4	1	2-
				12394	07:57	07:57	4	1	2
				12395	07:37	07:38	2	1	2
				12396	07:33	09:10	11	3	2
				HWDISC	12:48	15:04	10	3	2
20150806	2015	08	06	12393	07:26	07:26	3	1	2
				12394	07:23	08:30	8	2	2
				12395	07:20	07:20	2	1	2
				12396	07:16	11:20	9	3	2
				12397	07:30	07:30	4	1	2
				HWDISC	08:31	13:38	18	5	2+
20150807	2015	08	07	12393	07:23	07:24	4	1	2
				12394	07:18	08:32	8	2	2-
				12395	07:14	07:15	4	1	1
				12396	07:08	10:19	14	4	1, 2-
				12397	07:30	07:31	4	1	2+

TABLE OF OBSERVING ACTIVE REGIONS IN 2015 (H-ALPHA)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20150807	2015	08	07	HWDISC	06:48	13:32	19	6	1, 2
20150808	2015	08	08	HWDISC	07:54	10:26	14	4	1, 2
				12396	09:08	09:28	5	1	2-
20150810	2015	08	10	12394	08:25	11:00	6	2	1-, 2
				12396	08:21	10:57	6	2	2
				12398	08:29	10:53	6	2	2
				HWDISC	08:09	12:08	13	4	1
20150811	2015	08	11	12396	06:28	10:29	24	6	2
				HWDISC	10:48	10:53	3	1	2
20150812	2015	08	12	12396	06:48	10:43	7	2	2
				12400	06:59	10:53	7	2	3
				HWDISC	06:59	11:58	20	6	2, 3+
20150813	2015	08	13	12396	07:32	08:07	8	2	3
				12400	08:13	08:14	4	1	3+
				HWDISC	06:51	14:03	22	7	2+
20150814	2015	08	14	12400	07:33	09:35	7	2	3+
				12401	07:38	09:30	7	2	2+, 2
				HWDISC	07:08	09:49	12	4	1-, 2
20150820	2015	08	20	12401	07:35	09:01	7	2	1
				12403	07:18	10:44	15	4	2-
				HWDISC	07:17	10:52	9	3	2
20150821	2015	08	21	12401	08:46	08:47	5	1	2+
				12403	08:42	10:11	12	3	2-
				12404	09:25	09:26	6	1	2-
				HWDISC	08:51	14:12	21	6	1-
20150822	2015	08	22	12403	08:54	11:19	14	4	2, 2-
				HWDISC	07:15	10:39	25	6	2
20150823	2015	08	23	12403	11:43	12:09	6	2	2
20150824	2015	08	24	12403	07:58	12:12	16	5	2, 2-
				12404	08:03	11:10	8	2	2, 2-
				HWDISC	07:33	12:02	19	6	1-, 2
20150826	2015	08	26	12403	07:01	14:09	13	4	1, 2+

TABLE OF OBSERVING ACTIVE REGIONS IN 2015 (H-ALPHA)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20150826	2015	08	26	12404	07:31	07:31	3	1	2
				HWDISC	06:53	15:34	16	6	2-
20150827	2015	08	27	12403	12:29	12:29	4	1	2
				HWDISC	06:53	15:34	22	7	2
20150828	2015	08	28	12403	08:19	13:21	10	3	2
20150839	2015	08	29	HWDISC	09:39	13:26	12	4	1
20150831	2015	08	31	12407	08:20	10:54	9	3	3
				HWDISC	07:21	14:02	21	7	2
20150901	2015	09	01	12407	07:00	13:55	23	6	2+, 2
				12409	10:51	12:36	7	2	2-
20150904	2015	09	04	12409	13:10	13:11	4	1	2-
				12410	13:14	13:15	4	1	2
				12411	13:20	13:20	4	1	2+
				HWDISC	14:29	14:29	4	1	2+
20150910	2015	09	10	12411	09:01	09:01	4	1	1-
				12412	08:53	08:54	4	1	1-
				HWDISC	09:38	10:37	8	2	2
20150912	2015	09	12	12411	08:54	08:55	3	1	1-
				12412	08:16	08:16	3	1	2
				12414	08:06	09:03	6	2	2+
				12415	08:23	08:24	3	1	2-
				12416	08:12	08:12	3	1	2+
20150914	2015	09	14	12412	08:23	08:24	4	1	2
				12414	08:23	08:24	4	1	2
				12415	08:15	09:20	8	2	3+
				12418	08:19	09:49	8	2	2-
20150916	2015	09	16	12414	08:31	08:32	3	1	2-
				12415	08:23	09:32	8	2	2-
				12418	08:00	09:26	6	2	2
				12419	08:13	08:13	4	1	2
				HWDISC	07:26	09:09	7	2	2
20150917	2015	09	17	12415	07:48	11:27	14	4	2

TABLE OF OBSERVING ACTIVE REGIONS IN 2015 (H-ALPHA)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20150917	2015	09	17	12418	11:36	11:36	4	1	2-
				12419	11:33	11:33	4	1	2-
				HWDISC	06:47	14:03	44	11	2+, 2-
20150918	2015	09	18	12415	07:40	07:40	4	1	2
				HWDISC	07:32	07:32	4	1	2-
20150921	2015	09	21	12415	07:09	09:19	15	4	2
				12418	08:04	08:04	4	1	2+
				12420	08:07	08:08	4	1	2+
				HWDISC	07:42	09:32	15	4	3
20150922	2015	09	22	12415	09:29	09:29	3	1	1-
				12418	09:25	09:25	3	1	1-
				12419	09:21	09:21	4	1	2+
				12420	07:36	10:42	11	3	2, 2-
				HWDISC	07:53	10:34	12	3	2+, 3
20150923	2015	09	23	12418	08:33	08:33	2	1	2-
				12420	08:06	08:07	4	1	2-
				12421	08:21	08:22	3	1	2
				12422	08:24	08:25	3	1	2-
20150929	2015	09	29	12420	13:31	13:31	3	1	2
				12422	08:26	13:24	11	3	2+, 2-
				12427	08:36	14:40	8	2	2-
				HWDISC	09:38	14:49	10	3	3+
20151001	2015	10	01	12420	08:09	09:18	8	2	2
				12422	07:22	13:20	25	7	2
				12427	09:21	11:42	11	3	2, 2-
				HWDISC	08:48	14:34	33	8	2-, 3
20151002	2015	10	02	12420	08:56	10:50	8	2	1-
				12422	08:48	13:52	20	5	1-, 2
				12427	09:11	11:00	8	2	2+
				HWDISC	08:26	13:18	23	6	1-, 3+
20151003	2015	10	03	12420	07:27	07:28	4	1	3
				12422	07:32	07:33	3	1	3

TABLE OF OBSERVING ACTIVE REGIONS IN 2015 (H-ALPHA)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20151003	2015	10	03	12427	07:19	07:20	3	1	2-
				HWDISC	08:31	09:34	7	2	2
20151004	2015	10	04	12427	09:46	09:46	3	1	2-
20151005	2015	10	05	12427	12:38	13:52	8	2	2, 2-
20151024	2015	10	24	12434	10:20	10:20	4	1	1+
				12436	10:15	13:29	11	3	1+, 2+
				12439	10:26	10:27	3	1	1+
20151026	2015	10	26	12436	10:21	12:43	8	2	1-
				12437	13:00	13:01	8	2	2+
20151027	2015	10	27	12436	10:10	13:13	10	3	2, 2-
20151028	2015	10	28	12436	09:10	09:10	4	1	2-
				12437	09:54	09:54	4	1	2-
				12440	09:06	09:06	3	1	2-
				12441	10:40	10:40	4	1	2-
				HWDISC	09:47	11:14	8	2	3+
20151031	2015	10	31	12442	10:12	10:59	8	2	1-, 2+
				12443	08:56	13:54	20	5	2, 2-
				HWDISC	13:02	13:51	7	2	2-
20151101	2015	11	01	12443	09:01	11:34	11	3	2-
				12445	09:10	09:11	3	1	2+
				HWDISC	11:21	11:21	4	1	3+
20151102	2015	11	02	12442	10:45	12:00	8	2	2
				12443	10:37	12:06	8	2	2-
				12445	10:45	12:00	8	2	2
				12446	10:41	10:41	4	1	2
				HWDISC	08:42	12:55	19	5	3
20151103	2015	11	03	12443	11:33	11:34	4	1	3+
				12445	11:27	11:27	4	1	3+
20151104	2015	11	04	12443	13:02	13:02	3	1	3
20151108	2015	11	08	12443	10:01	12:01	8	2	2, 2-
				12448	09:56	12:12	6	2	2, 2-
				12449	09:51	12:08	7	2	2

## TABLE OF OBSERVING ACTIVE REGIONS IN 2015 (H-ALPHA)

---

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20151108	2015	11	08	12450	09:51	12:08	7	2	2
20151211	2015	12	11	12463	09:29	09:29	4	1	2
				12465	09:36	09:36	4	1	2