

TABLE OF OBSERVING ACTIVE REGIONS IN 2015 (Ca II K)

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

We observe with these telescopes: refractor (diameter lens 80 mm, focal length 1 200 mm), telescope has etalon CaK, 2,4 Å
- synoptic telescope CaK/B1200 60/500 mm, 2,4Å

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 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 (Ca II K)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20150213	2015	02	13	12282	09:29	13:24	12	3	1-, 2-
				12284	09:36	09:36	4	1	2
20150214	2015	02	14	12282	09:06	09:19	5	2	2+
				12284	10:20	10:20	4	1	2
20150215	2015	02	15	12282	08:52	10:02	7	2	2-
				12284	10:07	10:08	4	1	2
20150217	2015	02	17	12282	09:45	10:50	7	2	2
20150220	2015	02	20	12287	09:02	11:20	8	2	2
				12288	09:08	11:24	8	2	2
				12289	08:59	11:16	7	2	2
				12290	08:55	12:05	12	4	2
20150308	2015	03	08	12297	08:23	09:43	7	2	2
20150317	2015	03	17	12297	10:30	10:30	4	1	1-
				12302	10:34	10:34	3	1	1-
20150318	2015	03	18	12297	11:27	11:28	3	1	1-
				12302	11:23	11:24	4	1	2+
				12303	11:19	11:19	4	1	1-
20150320	2015	03	20	12303	08:34	08:35	4	1	1
20150325	2015	03	25	CWDISC	09:21	11:41	12	4	2
				12303	08:55	08:55	3	1	1
				12305	08:34	08:35	4	1	2+
				12307	08:51	08:51	4	1	1
				12310	08:47	08:47	4	1	1
				12312	08:47	08:47	4	1	1
				12313	08:47	08:47	4	1	1
20150403	2015	04	03	12317	14:37	14:38	4	1	2+
20150410	2015	04	10	CWDISC	08:29	13:06	21	6	2
				12320	07:51	12:17	19	5	1, 2+
20150411	2015	04	11	CWDISC	09:58	10:53	6	2	1
				12320	07:28	10:32	16	4	1-
				12321	08:24	10:39	8	2	2
				12322	09:08	10:39	8	2	2+

TABLE OF OBSERVING ACTIVE REGIONS IN 2015 (Ca II K)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20150413	2015	04	13	CWDISC	08:56	08:56	4	1	1
				12321	08:21	08:21	4	1	2
				12322	08:25	08:30	4	1	2
20150414	2015	04	14	CWDISC	13:09	13:41	7	2	1-
				12320	10:22	10:22	4	1	2-
				12321	12:25	12:26	3	1	3+
				12323	10:22	10:22	4	1	2-
20150415	2015	04	15	CWDISC	09:10	14:01	20	6	2+
				12321	08:23	14:23	10	3	2, 2-
				12322	08:47	08:47	3	1	1-
				12324	08:43	08:43	3	1	1-
				12325	08:43	08:43	3	1	1-
20150416	2015	04	16	CWDISC	07:50	11:03	10	3	1
				12321	07:26	12:08	12	4	1
				12322	07:05	07:06	4	1	1-
				12324	07:30	12:22	12	4	1
				12325	07:30	12:22	8	4	1-
20150419	2015	04	19	12324	11:56	11:56	3	1	3
20150421	2015	04	21	CWDISC	09:17	15:32	20	5	2+
				12321	09:53	15:18	7	2	2
				12322	09:53	15:18	7	2	2
				12324	09:45	15:13	11	3	2-
				12325	09:49	15:13	8	2	2-
				12327	09:32	15:09	6	2	2
				12329	09:56	09:57	3	1	2
20150422	2015	04	22	12324	10:33	10:33	4	1	2
				12325	09:54	09:54	4	1	2+
				12327	09:45	09:45	3	1	2+
				12331	09:45	09:45	3	1	2+
20150423	2015	04	23	CWDISC	08:48	12:48	14	4	1
				12324	13:01	13:02	4	1	1
				12325	13:01	13:02	4	1	1

TABLE OF OBSERVING ACTIVE REGIONS IN 2015 (Ca II K)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20150423	2015	04	23	12327	12:54	12:57	4	1	1
				12331	12:54	12:57	4	1	1
				12333	13:06	13:07	4	1	2+
20150424	2015	04	24	CWDISC	07:36	13:23	23	7	1
				12324	07:53	07:54	4	1	2+
				12325	07:57	07:57	4	1	1
				12327	08:06	10:48	7	2	1-
				12331	08:06	10:58	7	2	1-
				12333	08:09	08:10	4	1	2+
20150425	2015	04	25	CWDISC	07:18	09:28	10	3	1-
				12325	07:17	07:18	4	1	1
				12327	07:25	08:36	7	2	1-, 2-
				12331	07:25	08:36	7	2	1-, 2-
				12333	07:35	07:36	3	1	1
20150511	2015	05	11	CWDISC	09:52	14:22	16	4	2-
				12335	13:09	13:10	4	1	2
				12339	13:07	13:54	7	2	2
				12340	13:31	13:31	4	1	2-
				12341	13:31	13:31	4	1	2-
				12342	09:46	13:02	11	3	2
				12343	09:46	13:02	7	2	2
				12344	11:35	11:35	3	1	2
20150512	2015	05	12	CWDISC	07:55	10:55	10	3	1-
				12339	07:15	08:01	8	2	2
				12340	07:07	07:07	4	1	2
				12341	07:07	07:07	4	1	2
				12344	07:01	07:01	3	1	1-
				12345	07:15	08:01	8	2	2
				12346	07:01	07:01	3	1	2
				12347	06:58	06:58	4	1	1-
20150516	2015	05	16	CWDISC	10:36	12:15	11	3	1-
				12339	11:00	11:01	4	1	2-

TABLE OF OBSERVING ACTIVE REGIONS IN 2015 (Ca II K)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20150516	2015	05	16	12341	11:17	11:17	4	1	1-
				12342	11:12	11:13	3	1	1-
				12344	11:07	11:07	4	1	1-
				12346	11:07	11:07	4	1	1-
				12348	11:21	11:21	3	1	1
20150518	2015	05	18	CWDISC	06:16	09:52	19	5	1-
				12341	07:32	07:33	4	1	1
				12342	06:52	07:26	8	2	2
				12344	07:40	07:40	4	1	2
				12348	09:36	09:36	4	1	2+
20150519	2015	05	19	12348	07:41	07:41	4	1	2+
20150601	2015	06	01	12358	10:20	10:20	4	1	2
20150604	2015	06	04	CWDISC	07:09	13:41	20	5	1
				12361	10:42	10:42	3	1	2-
				12362	10:42	10:42	3	1	2-
20150605	2015	06	05	CWDISC	12:22	15:23	22	6	2+
				12356	07:52	13:03	7	2	1
				12358	13:47	13:47	2	1	1
				12360	07:48	13:40	11	3	1, 2
				12361	07:42	13:40	11	3	2
				12362	07:42	13:40	11	3	2
				12365	13:32	13:32	4	1	3
20150606	2015	06	06	CWDISC	07:22	14:31	34	10	1
				12356	08:38	14:16	11	3	1, 2
				12359	08:38	14:16	11	3	1, 2
				12360	08:27	10:09	8	2	1
				12361	08:19	08:19	4	1	1-
				12362	08:19	08:19	4	1	1-
				12365	08:24	14:31	11	3	1
20150607	2015	06	07	CWDISC	10:37	12:22	9	3	2
				12361	11:33	11:33	3	1	2+
				12362	11:33	11:33	3	1	2+

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DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20150607	2015	06	07	12364	11:41	11:41	4	1	3
				12365	11:41	11:41	4	1	3
20150611	2015	06	11	CWDISC	08:12	12:19	11	3	2+
				12367	08:47	08:47	4	1	1-
20150612	2015	06	12	CWDISC	07:59	08:00	4	1	1-
20150613	2015	06	13	CWDISC	10:24	10:51	6	2	2+
				12366	09:58	09:58	4	1	1
				12367	10:45	10:45	4	1	1
20150626	2015	06	26	CWDISC	07:50	10:47	13	4	2
				12371	07:03	07:03	4	1	2+
20150701	2015	07	01	CWDISC	12:04	16:02	21	7	2
				12373	09:06	15:46	14	6	1, 1-
				12375	09:16	15:54	13	4	2
				12376	14:15	15:46	10	3	1-
				12377	15:14	15:14	3	1	2+
20150702	2015	07	02	CWDISC	06:58	14:17	31	10	2+
				12373	06:57	10:59	14	4	2+, 2-
				12375	07:13	11:05	16	4	2
				12376	06:57	10:59	18	5	2+, 2-
				12377	07:19	08:43	11	3	2+
				12378	07:13	07:13	4	1	2
20150703	2015	07	03	CWDISC	07:08	14:47	30	10	1
				12373	07:15	07:16	3	1	2+
				12375	08:05	08:06	4	1	2+
				12376	07:15	07:16	3	1	2+
				12377	08:16	08:16	3	1	1-
				12378	08:12	09:32	7	2	2+
20150704	2015	07	04	CWDISC	06:29	06:16	39	13	1
				12373	07:16	09:42	14	4	2
				12375	07:12	07:12	4	1	2
				12376	07:16	09:42	11	3	2+, 3
				12378	07:06	07:06	3	1	2

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DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20150704	2015	07	04	12379	07:06	07:06	3	1	2
				12381	06:59	08:20	7	2	1-
20150705	2015	07	05	CWDISC	09:10	14:45	24	8	2
				12373	09:34	11:42	15	4	1-, 2+
				12375	09:43	11:51	7	2	2
				12376	09:31	11:47	6	2	2, 3+
				12378	09:47	11:54	8	2	2, 3+
				12379	09:47	11:54	8	2	2, 3+
				12380	09:38	11:29	7	2	2+
				12381	09:52	11:58	7	2	2, 3
20150706	2015	07	06	CWDISC	06:29	12:46	16	5	1-
				12373	07:28	11:01	6	2	3
				12375	08:21	10:49	8	2	3
				12376	07:32	07:32	4	1	3
				12378	08:25	10:45	6	2	3
				12379	08:25	10:45	6	2	3
				12381	08:15	10:42	7	2	3
				12382	08:21	10:49	8	2	3
20150707	2015	07	07	CWDISC	06:45	16:34	30	10	2
				12373	07:15	11:40	5	2	3
				12375	07:11	08:36	4	1	3
				12376	07:15	11:40	5	2	3
				12378	07:03	08:39	4	2	3+
				12379	07:03	08:39	4	2	3+
				12381	08:42	11:49	3	2	2+
20150709	2015	07	09	CWDISC	07:20	10:33	12	4	1
				12375	07:59	08:00	3	1	2+
				12378	07:56	08:42	2	1	2+
				12381	07:22	08:27	7	2	1-, 2
				12383	07:56	08:42	5	2	2+
				12384	07:46	08:47	7	2	2
20150711	2015	07	11	CWDISC	06:55	13:37	21	7	2

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DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20150712	2015	07	12	CWDISC	07:12	11:18	17	5	1, 2
				12378	09:08	09:09	4	1	3
				12381	08:54	09:54	7	2	2-
				12383	09:08	09:09	4	1	3
				12384	08:48	10:37	6	2	3+
				12385	09:02	09:02	4	1	3
20150716	2015	07	16	CWDISC	06:58	15:33	18	6	2+
				12384	07:27	15:11	8	2	1-, 2-
				12386	07:35	15:17	7	2	2
				12387	07:39	15:22	6	2	1, 2-
				12388	07:30	07:30	4	1	1
20150717	2015	07	17	CWDISC	06:18	14:20	24	8	2+, 2-
				12384	07:13	07:13	4	1	3
				12386	07:22	07:22	3	1	2-
				12387	07:27	07:27	3	1	2+
				12388	06:59	06:59	4	1	2
20150718	2015	07	18	CWDISC	06:40	14:05	25	8	1-
20150720	2015	07	20	CWDISC	09:36	15:07	25	7	1
				12386	12:06	12:06	4	1	2
				12387	11:29	11:29	4	1	3+
20150721	2015	07	21	CWDISC	07:53	16:07	19	6	1-
				12386	07:55	07:56	3	1	2
				12387	07:59	12:50	6	2	2, 3
20150722	2015	07	22	CWDISC	06:29	15:04	29	9	2+
				12386	08:59	08:59	3	1	3
				12387	12:50	12:50	3	1	3
20150724	2015	07	24	CWDISC	07:50	13:37	25	7	1
				12387	08:39	08:39	3	1	2-
				12389	08:46	08:46	4	1	2-
20150726	2015	07	26	CWDISC	08:58	16:02	37	10	1-
				12389	08:59	15:57	14	4	2
				12390	08:52	16:01	13	4	2

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DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20150728	2015	07	28	CWDISC	06:39	06:39	4	1	2+
20150729	2015	07	29	12390	15:14	15:14	4	1	2
				12391	15:16	15:17	4	1	2+
20150730	2015	07	30	CWDISC	08:19	15:07	28	8	1-
				12390	08:35	08:35	4	1	1
				12391	08:39	13:25	19	5	1
				12392	13:25	13:25	4	1	2+
				12393	08:43	13:28	11	3	2+
				12394	08:43	13:28	11	3	2+, 3
20150731	2015	07	31	CWDISC	08:18	14:43	21	7	1-
				12390	08:37	08:38	4	1	1
				12391	08:25	08:25	4	1	1
				12392	08:25	08:25	4	1	1
				12393	08:08	08:08	3	1	2
				12394	08:01	08:08	7	2	2
20150801	2015	08	01	CWDISC	07:45	10:40	19	5	2
20150803	2015	08	03	CWDISC	08:46	10:45	16	4	2+
20150804	2015	08	04	CWDISC	07:24	15:30	25	8	1-
				12391	07:35	07:35	4	1	1-
				12393	07:31	07:31	4	1	1
				12394	07:25	09:16	8	2	1
				12395	07:22	08:55	7	2	1
				12396	07:17	13:26	13	4	2+
20150805	2015	08	05	CWDISC	13:06	14:03	6	2	2
				12393	09:00	09:00	3	1	1
				12394	08:56	08:56	3	1	1-
				12395	08:51	08:51	3	1	1
				12396	08:46	08:46	4	1	1
20150806	2015	08	06	CWDISC	08:26	13:46	16	5	2+
				12393	08:16	08:16	2	1	2
				12394	08:12	08:12	4	1	2
				12395	08:04	08:04	3	1	1-

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DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20150806	2015	08	06	12396	08:00	08:00	4	1	1-
				12397	08:19	08:20	3	1	1
20150807	2015	08	07	CWDISC	06:41	13:30	23	7	1-
				12396	07:55	10:18	11	3	1, 2
20150808	2015	08	08	CWDISC	07:51	10:28	9	3	1
				12396	09:19	10:33	7	2	2
20150810	2015	08	10	CWDISC	08:19	12:09	10	3	1
				12394	08:46	08:46	3	1	1-
				12396	08:41	08:42	3	1	2+
				12398	08:51	08:51	3	1	1
20150811	2015	08	11	CWDISC	07:03	09:43	17	5	2+
				12396	08:43	08:44	4	1	2-
20150812	2015	08	12	CWDISC	07:03	12:00	20	6	1
				12396	07:13	11:15	6	2	2+
				12400	07:19	10:56	4	2	1-
20150813	2015	08	13	CWDISC	06:44	14:02	22	7	2
20150814	2015	08	14	CWDISC	07:11	08:56	9	3	1-
20150820	2015	08	20	CWDISC	07:44	12:23	12	4	1-
				12401	07:58	09:07	7	2	1-
				12403	08:09	09:26	8	2	2+
20150821	2015	08	21	CWDISC	08:47	14:41	19	6	1
				12401	09:18	09:18	3	1	1
				12403	09:14	10:02	6	2	2
				12404	09:21	09:22	4	1	2+
20150822	2015	08	22	CWDISC	08:28	10:40	9	3	1-
				12403	08:45	10:31	11	3	1-
20150823	2015	08	23	12403	11:48	12:12	7	2	1-, 2-
20150824	2015	08	24	CWDISC	07:56	11:01	12	4	2
				12403	08:12	12:12	12	3	1-
				12404	08:08	11:21	8	2	2
20150826	2015	08	26	CWDISC	06:49	15:37	22	7	1
				12403	07:07	08:52	8	2	2+

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DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20150826	2015	08	26	12404	07:32	07:33	4	1	2+
20150827	2015	08	27	CWDISC	07:08	14:41	21	7	2
				12403	12:42	12:43	4	1	3+
20150829	2015	08	29	CWDISC	09:42	12:46	9	3	2
20150831	2015	08	31	CWDISC	07:24	14:03	21	7	2
20150901	2015	09	01	12405	07:50	07:51	4	1	2
				12406	07:44	07:44	3	1	1, 2
				12407	07:37	12:56	15	4	1, 2
				12409	10:43	12:48	8	2	2+
20150904	2015	09	04	CWDISC	14:21	14:22	4	1	1
				12409	13:40	13:41	4	1	1
				12410	13:46	13:46	4	1	1
				12411	13:51	13:51	3	1	1
20150910	2015	09	10	CWDISC	09:40	10:39	7	2	1
				12411	09:13	09:13	4	1	2+
				12412	10:42	10:43	4	1	1-
				12414	10:42	10:43	4	1	1-
20150912	2015	09	12	12411	08:50	08:50	2	1	1-
				12412	08:43	08:43	3	1	2+
				12414	08:43	08:43	3	1	2+
				12415	08:35	08:36	4	1	2
20150914	2015	09	14	12412	08:43	08:44	3	1	2-
				12414	08:43	08:44	3	1	2-
				12415	08:58	08:58	4	1	2+
				12418	08:50	08:50	4	1	2-
20150916	2015	09	16	CWDISC	07:53	09:02	5	2	1-
				12414	08:28	08:28	3	1	2+
				12415	08:20	09:35	6	2	2
				12418	08:07	09:28	6	2	2
				12419	08:15	08:16	3	1	2+
20150917	2015	09	17	CWDISC	06:58	14:01	39	10	1-
				12415	09:35	11:30	7	2	1-

TABLE OF OBSERVING ACTIVE REGIONS IN 2015 (Ca II K)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20150918	2015	09	18	CWDISC	07:35	07:35	3	1	1
20150921	2015	09	21	CWDISC	07:44	09:25	13	4	1-
				12415	07:15	07:19	4	1	2+
20150921	2015	09	21	12418	08:43	08:44	4	1	3
				12420	08:34	08:35	4	1	2-
20150922	2015	09	22	CWDISC	07:55	10:36	11	3	2
				12415	09:30	09:30	4	1	2+
				12418	09:26	09:27	4	1	1
				12419	09:22	09:22	3	1	1
				12420	09:11	10:43	8	2	1-
20150923	2015	09	23	12418	08:33	08:33	3	1	2+
				12420	08:12	08:12	4	1	2
				12421	08:19	08:19	4	1	2+
				12422	08:26	08:26	2	1	1-
20150929	2015	09	29	CWDISC	10:05	14:52	9	3	2, 3
				12420	14:26	14:27	4	1	3+
				12422	08:31	13:25	16	4	3+
				12427	08:39	14:31	7	2	3+
20151001	2015	10	01	CWDISC	10:07	14:32	27	7	2+
				12420	08:12	08:12	4	1	3+
				12422	08:06	13:20	11	3	3
				12427	08:21	08:21	3	1	3
20151002	2015	10	02	CWDISC	07:36	13:22	20	5	1-
				12420	09:02	10:50	7	2	1, 2
				12422	10:46	12:32	7	2	2-
				12427	09:15	11:03	8	2	1
20151003	2015	10	03	CWDISC	08:35	09:32	6	2	2-
				12420	07:57	07:57	3	1	3
				12422	08:41	08:41	3	1	3+
				12427	07:52	07:52	4	1	2-
20151004	2015	10	04	12427	09:43	09:43	4	1	2
20151024	2015	10	24	12436	10:32	10:32	4	1	2-

TABLE OF OBSERVING ACTIVE REGIONS IN 2015 (Ca II K)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20151026	2015	10	26	CWDISC	12:51	12:51	3	1	2
				12437	10:32	10:42	4	1	2
20151028	2015	10	28	CWDISC	09:51	09:51	4	1	1
20151031	2015	10	31	CWDISC	13:07	13:48	7	2	1
20151031	2015	10	31	12442	11:09	11:09	3	1	3
				12443	13:06	13:17	4	1	2
20151101	2015	11	01	CWDISC	11:25	11:25	4	1	1-
20151102	2015	11	02	CWDISC	08:46	12:57	20	5	1
20151103	2015	11	03	12443	09:25	11:40	8	2	3
				12445	11:44	11:45	4	1	2-
20151104	2015	11	04	12443	13:12	13:13	4	1	3+
20151108	2015	11	08	12443	10:06	10:06	3	1	2-
				12448	10:11	10:11	3	1	1-
				12449	10:20	10:21	4	1	2+
				12450	10:20	10:21	4	1	2+
				12451	10:11	10:11	3	1	1-