

## TABLE OF OBSERVING ACTIVE REGIONS IN 2014 (PHOTOSPHERE)

---

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

We observe with these telescopes: - refractor AS 200/3000 mm

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 2014 (PHOTOSPHERE)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20140111	2014	01	11	11944	09:44	09:44	3	1	1-
				11946	09:48	09:48	3	1	2+
20140203	2014	02	03	11967	09:01	11:47	11	3	2+, 3
20140204	2014	02	04	11967	10:58	10:58	3	1	3-
20140208	2014	02	08	11967	11:14	11:15	4	1	1
				11974	10:29	11:21	8	2	1
20140210	2014	02	10	11974	08:10	11:46	16	4	2
				11976	09:43	11:54	8	2	2
20140213	2014	02	13	11974	08:45	13:23	11	3	2+
				11976	13:28	13:28	3	1	2-
20140217	2014	02	17	11974	08:36	13:29	17	5	1-
				11976	09:13	09:13	3	1	2+
				11977	09:19	13:47	21	6	1-
20140220	2014	02	20	11982	10:19	10:19	3	1	2-
20140224	2014	02	24	11982	09:20	10:39	12	3	2-
20140225	2014	02	25	11982	08:52	09:20	11	3	2+
				11987	08:58	09:13	7	2	2+
				11989	08:58	09:13	7	2	2+
				11990	09:16	09:59	6	2	2+
20140228	2014	02	28	11987	09:55	09:56	4	1	2-
				11990	09:51	11:45	10	3	2
				11991	09:51	11:45	10	3	2
20140301	2014	03	01	11987	08:35	08:35	2	1	2+
				11990	08:02	09:27	12	4	1, 2
				11991	08:02	09:27	12	4	1, 2
20140302	2014	03	02	11987	09:21	09:22	4	1	3
				11990	09:15	10:47	11	3	2
				11991	09:18	10:45	11	3	2
20140310	2014	03	10	11996	09:16	09:16	3	1	3-
				11998	10:14	10:14	4	1	3-
20140311	2014	03	11	11996	09:13	09:13	4	1	2
				11998	09:30	09:30	4	1	2

TABLE OF OBSERVING ACTIVE REGIONS IN 2014 (PHOTOSPHERE)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20140311	2014	03	11	12002	09:00	09:00	4	1	2-
				12003	09:24	09:24	3	1	2
20140312	2014	03	12	11996	09:47	09:48	4	1	2-
				11998	09:37	09:37	4	1	2-
				12002	09:17	09:17	4	1	3
				12003	09:41	09:42	3	1	3
20140313	2014	03	13	12002	12:52	12:53	4	1	3
20140314	2014	03	14	12002	08:23	08:24	4	1	1-
				12003	09:08	09:09	4	1	1-
				12005	08:51	08:51	4	1	1-
20140320	2014	03	20	12005	09:21	09:21	3	1	2
20140321	2014	03	21	12010	10:12	10:12	4	1	2+
				12014	10:25	10:26	3	1	2+
20140322	2014	03	22	12004	10:09	10:10	4	1	1
				12005	10:13	10:13	4	1	1
				12008	10:05	10:05	4	1	1
				12010	10:01	10:01	4	1	1
				12013	09:51	09:51	3	1	1
				12014	09:56	09:57	3	1	1
20140327	2014	03	27	12010	09:00	09:00	4	1	2
				12014	08:54	08:54	4	1	2
				12017	08:46	08:54	3	1	2
				12018	08:46	08:46	3	1	2
20140328	2014	03	28	12010	12:21	12:21	4	1	1-
				12014	12:17	12:17	4	1	1-
				12017	12:26	12:26	4	1	2
				12018	12:26	12:26	4	1	2
				12022	12:30	12:30	4	1	2
20140330	2014	03	30	12014	09:24	09:25	4	1	1
				12017	09:18	09:18	4	1	1-
				12018	09:18	09:18	4	1	1-
				12021	09:32	09:32	4	1	2

TABLE OF OBSERVING ACTIVE REGIONS IN 2014 (PHOTOSPHERE)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20140330	2014	03	30	12022	09:36	09:37	3	1	2
				12025	09:29	09:29	3	1	1-
20140403	2014	04	03	12021	07:48	12:53	16	4	1+, 2+
				12022	07:57	07:57	4	1	2+
				12026	08:13	11:28	8	2	1-, 2
				12027	08:08	11:22	7	2	2
				12028	08:13	11:28	8	2	1-, 2
				12029	08:03	11:16	8	2	1
				12030	08:08	11:22	7	2	2
20140407	2014	04	07	12026	10:36	10:36	4	1	2
				12027	08:31	10:28	7	2	1
				12028	10:36	10:36	4	1	2
				12030	08:45	10:28	8	2	1-, 2
				12031	10:28	10:36	8	2	2
20140424	2014	04	24	12038	13:58	13:58	4	1	2+
				12042	13:50	13:50	4	1	2+
				12044	13:43	13:43	4	1	1-
				12045	13:32	13:32	4	1	1-
20140427	2014	04	27	12045	13:58	14:51	9	2	1
				12047	14:19	14:55	8	2	1-
				12048	14:10	14:10	4	1	1
				12049	14:05	14:05	4	1	2
20140430	2014	04	30	12045	14:21	14:22	3	1	2-
				12047	14:09	14:09	3	1	2
				12048	14:17	14:17	3	1	2-
				12049	13:57	13:57	3	1	1
				12050	14:13	14:13	3	1	2
20140501	2014	05	01	12045	08:21	08:22	4	1	2
				12047	11:52	11:53	3	1	2
				12049	09:24	12:00	8	2	2-
20140506	2014	05	06	12053	11:39	11:39	4	1	2
				12054	11:55	11:56	3	1	2-

TABLE OF OBSERVING ACTIVE REGIONS IN 2014 (PHOTOSPHERE)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20140510	2014	05	10	12054	08:35	08:35	3	1	1-
				12055	08:25	08:25	4	1	2
				12056	08:25	08:25	4	1	2
				12057	08:25	08:25	4	1	2
20140519	2014	05	19	12060	13:12	13:12	3	1	1-
				12061	12:57	14:28	8	2	1-
				12063	13:17	13:17	3	1	1-
				12066	12:57	14:28	8	2	1-
				12069	12:51	12:52	4	1	1-
20140520	2014	05	20	12061	15:23	15:23	4	1	2
				12063	15:16	15:16	3	1	2
				12065	14:51	14:51	4	1	1-
				12066	15:23	15:23	4	1	2
				12069	14:51	14:52	4	1	1-
				12071	14:47	14:48	3	1	2
20140521	2014	05	21	12061	08:41	08:41	3	1	1-
				12066	08:41	08:41	3	1	1-
				12069	08:31	08:32	3	1	2+
				12071	08:11	08:11	3	1	2
				12072	08:31	08:32	3	1	2+
20140523	2014	05	23	12061	08:25	08:25	4	1	2
				12072	08:16	08:16	3	1	2
20140606	2014	06	06	12079	15:51	15:51	3	1	2
				12080	15:54	15:54	3	1	2+
				12081	15:51	15:51	3	1	2
				12082	15:46	15:46	4	1	2
20140607	2014	06	07	12077	09:00	12:26	9	3	2
				12079	08:46	12:32	10	3	3+
				12080	08:26	12:17	10	3	2+
				12082	08:37	08:37	15	4	2-
				12084	09:00	12:26	9	3	2
				12085	08:26	12:17	10	3	2+

## TABLE OF OBSERVING ACTIVE REGIONS IN 2014 (PHOTOSPHERE)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20140608	2014	06	08	12077	10:01	10:01	3	1	2
				12079	09:54	09:54	3	1	2+
				12080	09:40	09:40	4	1	2
				12082	09:46	09:46	4	1	2
				12084	10:01	10:01	3	1	2
				12085	09:40	09:40	4	1	2
20140609	2014	06	09	12077	09:17	09:18	3	1	2
			c	12079	09:09	09:09	3	1	2+
				12080	08:49	08:49	3	1	2
				12082	08:59	08:59	3	1	1-
				12084	09:17	09:18	3	1	2
				12085	08:49	08:49	3	1	2
20140610	2014	06	10	12079	15:12	15:13	3	1	2
				12080	15:31	15:31	4	1	2
				12082	08:58	15:17	8	2	1-, 2-
				12085	15:31	15:31	4	1	2
				12087	15:35	15:35	3	1	1-
20140611	2014	06	11	12079	10:10	10:11	3	1	2+
				12080	10:15	13:58	6	2	1-, 2
				12082	07:23	14:03	12	3	1, 3+
				12085	10:15	13:38	6	2	1-, 2
				12089	11:13	14:08	8	2	1
				12090	11:38	11:39	4	1	1-
20140613	2014	06	13	12080	15:45	15:46	3	1	2+
				12082	15:41	15:41	3	1	1-
				12085	15:45	15:46	3	1	2+
				12088	15:45	15:46	3	1	2+
20140616	2014	06	16	12087	09:16	14:16	5	2	1-, 2
				12089	14:26	14:26	3	1	2
				12090	09:28	09:28	2	1	2
				12092	09:16	14:16	5	2	1-, 2
20140627	2014	06	27	12096	07:28	14:38	12	3	2

TABLE OF OBSERVING ACTIVE REGIONS IN 2014 (PHOTOSPHERE)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20140627	2014	06	27	12097	07:28	14:38	12	3	2
				12098	08:36	14:00	12	3	2, 2-
20140704	2014	07	04	12104	10:42	10:42	3	1	1-
				12106	11:16	11:17	2	1	2
				12107	10:42	10:42	3	1	1-
				12109	10:32	10:32	3	1	2
20140705	2014	07	05	12104	11:17	11:20	3	1	1-
				12106	11:22	11:22	3	1	1-
				12107	11:17	11:20	3	1	1-
				12108	11:11	11:12	3	1	2
				12110	11:11	11:12	3	1	2
				12111	11:30	11:32	4	1	2+
20140708	2014	07	08	12104	06:32	06:59	7	2	2, 2-
				12106	06:36	07:19	8	2	1, 2
				12108	06:13	07:40	16	4	1, 2
				12109	06:19	07:47	14	4	1
				12111	06:42	07:26	6	2	1
20140710	2014	07	10	12108	15:54	15:55	4	1	2-
				12109	15:54	15:55	4	1	2-
20140712	2014	07	12	12108	08:19	16:51	20	5	1-
				12109	08:19	16:51	20	5	1-
				12111	15:04	15:05	3	1	2
				12113	08:33	15:37	8	2	1
				12114	13:16	14:58	7	2	1
				12116	13:16	14:58	7	2	2+
				12117	08:33	15:37	8	2	2+
20140713	2014	07	13	12113	07:04	07:05	4	1	1
				12114	07:23	07:23	2	1	1
				12116	07:23	07:23	2	1	1
				12117	07:04	07:05	4	1	1
20140715	2014	07	15	12111	08:54	08:54	4	1	2-
				12113	07:29	08:40	7	2	2

TABLE OF OBSERVING ACTIVE REGIONS IN 2014 (PHOTOSPHERE)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20140715	2014	07	15	12114	08:23	08:23	5	1	2
				12117	07:29	08:40	7	2	2+
20140720	2014	07	20	12118	07:55	10:35	8	2	2+
				12119	07:51	15:26	24	6	1-, 2
				12120	08:47	12:16	11	3	1-, 2-
20140725	2014	07	25	12121	08:55	08:55	4	1	2-
20140727	2014	07	27	12121	13:17	13:50	6	2	1
				12123	13:12	13:45	4	2	2+
				12124	13:06	13:41	7	2	1-, 2
				12125	13:06	13:41	7	2	1-, 2
				12126	13:12	13:45	4	2	2+
20140728	2014	07	28	12121	06:18	06:19	4	1	2
				12123	06:14	06:14	4	1	2-
				12124	06:49	06:49	4	1	3+
				12125	06:49	06:49	4	1	3+
				12126	06:14	06:14	4	1	2-
				12127	06:49	06:49	4	1	3+
				12128	06:49	06:49	4	1	3+
20140729	2014	07	29	12121	11:06	11:06	4	1	1
				12123	07:43	07:43	4	1	1
				12124	14:39	14:39	4	1	2
				12125	10:43	14:39	8	2	2
				12126	07:43	07:43	4	1	1
				12127	10:43	14:39	8	2	2
				12128	10:43	14:39	8	2	2
20140802	2014	08	02	12127	10:01	10:01	4	1	1
				12128	10:01	10:01	4	1	1
				12130	09:50	09:50	3	1	1
				12131	10:01	10:01	4	1	1
				12132	09:55	09:55	4	1	3+
20140803	2014	08	03	12127	11:11	11:11	3	1	2-
				12128	11:11	11:11	3	1	2-



TABLE OF OBSERVING ACTIVE REGIONS IN 2014 (PHOTOSPHERE)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20140803	2014	08	03	12130	10:56	11:11	6	2	1
				12131	11:11	11:11	3	1	2-
				12132	10:59	10:59	3	1	1-
				12133	11:03	11:03	4	1	2-
				12134	11:03	11:03	4	1	2-
20140808	2014	08	08	12127	08:15	12:52	6	2	2, 3+
				12128	08:15	12:52	6	2	2, 3+
				12130	08:15	12:52	6	2	2, 3+
				12132	08:01	12:49	8	2	2+
				12134	08:09	13:20	8	2	1-
				12135	08:05	13:53	15	3	2, 3+
				12136	08:19	12:55	8	2	2+
20140809	2014	08	09	12132	07:10	11:14	10	3	2+, 3+
				12134	06:43	11:07	15	3	1
				12135	06:35	10:38	16	4	1, 2
20140810	2014	08	10	12135	11:55	11:55	4	1	1
				12137	11:46	11:46	4	1	1
20140815	2014	08	15	12135	11:45	11:46	3	1	2
				12137	11:20	11:21	4	1	1
				12139	11:24	11:24	3	1	2-
				12141	11:36	11:36	3	1	2
				12143	11:39	11:39	3	1	3
				12144	11:42	11:43	3	1	2-
20140818	2014	08	18	12141	08:34	08:35	4	1	1
20140821	2014	08	21	12143	11:24	11:25	3	1	1
				12146	11:45	11:46	3	1	1-
20140825	2014	08	25	12146	07:45	08:45	5	2	1-
				12148	07:45	08:45	5	2	1-
				12149	07:41	08:51	8	2	2
				12150	07:50	07:51	4	1	3+
				12151	07:50	07:51	4	1	3+
20140828	2014	08	28	12149	08:24	12:02	8	2	1

TABLE OF OBSERVING ACTIVE REGIONS IN 2014 (PHOTOSPHERE)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20140828	2014	08	28	12150	08:29	08:30	4	1	1
				12151	08:29	08:30	4	1	1
20140829	2014	08	29	12149	07:44	07:44	4	1	1
				12150	07:49	07:49	4	1	1
				12151	07:49	07:49	4	1	1
				12152	07:53	07:54	4	1	2
20140905	2014	09	05	12152	12:13	12:14	4	1	2
				12153	12:45	12:45	3	1	2
				12154	12:53	12:53	4	1	2+
				12155	12:58	12:58	3	1	2
				12157	12:58	12:58	3	1	2
20140908	2014	09	08	12155	08:33	08:34	4	1	2-
				12157	08:33	08:34	4	1	2-
				12158	08:24	08:25	4	1	1-
				12159	08:38	08:40	4	1	2
				12163	08:38	08:40	4	1	2
20140918	2014	09	18	12169	09:57	09:57	4	1	3
				12170	09:57	09:57	4	1	3
20140919	2014	09	19	12167	11:45	11:45	4	1	2-
				12169	11:49	11:49	3	1	2-
				12170	11:49	11:49	3	1	2-
				12171	11:52	11:53	4	1	2
20140924	2014	09	24	12169	12:51	12:52	4	1	2-
				12170	12:51	12:52	4	1	2-
				12171	12:58	12:58	3	1	2-
				12172	13:02	13:02	3	1	2-
				12173	12:58	12:58	3	1	2-
20140929	2014	09	29	12177	09:43	09:44	3	1	2-
				12178	09:54	09:54	4	1	2+
				12179	09:54	09:54	4	1	2+
20141009	2014	10	09	12182	13:19	13:19	3	1	2-
				12186	13:25	13:26	3	1	3+

TABLE OF OBSERVING ACTIVE REGIONS IN 2014 (PHOTOSPHERE)

DATE	YEAR	MONTH	DAY	REGION	SINCE	TO	NUMBER	SERIES	QUALITY
20141021	2014	10	21	12187	10:49	10:49	3	1	2-
				12192	10:44	14:06	8	3	2+, 2-
				12193	11:12	11:12	3	1	2+
				12194	11:19	11:19	3	1	2-
20141026	2014	10	26	12192	13:38	13:39	3	1	2-
				12195	13:41	13:58	5	2	2
20141027	2014	10	27	12195	08:42	08:53	6	2	2-
				12196	08:49	08:49	3	1	2-
				12197	08:49	08:49	3	1	2-
20141028	2014	10	28	12192	08:13	08:14	4	1	1
				12194	11:47	11:47	3	1	2-
				12195	11:42	11:42	3	1	2-
				12196	11:52	11:52	3	1	2-
				12197	11:52	11:52	3	1	2-
20141029	2014	10	29	12192	10:57	10:57	6	2	1-
				12194	11:02	11:03	3	1	2
				12195	11:06	12:17	8	2	1-
				12196	11:11	11:11	3	1	2+
				12197	11:11	11:11	3	1	2+
				12198	11:02	11:03	3	1	2
				12200	11:16	11:16	3	1	3+
20141217	2014	12	17	12235	10:08	10:09	4	1	1
				12241	09:53	09:53	3	1	2+
				12242	09:59	09:59	3	1	2+