HVAR SOLAR TELESCOPE

Observer logbook



Notes:

- All observation times are in local time (Hvar)
 - o from **29.03.2015** summer time: UTC **+2h**
 - o from **25.10.2015** winter time: UTC **+1h**

Final mark consists of Weather conditions (picture quality) and the size / extent (e.g. flare level) of events observed. Marks are between 1 and 5: e.g. **1 bad picture quality and no solar activity** (flares) and **5 best picture quality and high solar activity**.

Date: 26.05.2015						
Obs. start		09:15	Obs. end		15:00	
Observed regions				Remarks		
12349 No activity, prominences on					activity, prominences on	
12351/12353				the edge		
Weather	High	clouds from time to time				
Note						
Final mark	1-2					

Date: 27.05.20015							
Obs. start		09:05	Obs. end 17:00		17:00		
Observed regions					Remarks		
12354	12354			Fev	Few bright spots		
				Small prominences			
Weather	Cum	ulus clouds in the morning, bo	ora wind				
Note							
Final mark	2						

Date: 28.05.2015						
Obs. start		07:45	Obs. end		13:30	
Observed regions Remarks					narks	
12353				No activity		
Weather	Stror	ng turbulences				
Note	Bad image quality					
Final mark	1					

Date: 29.05.2015					
Obs. start	07:40	Obs. end		14:35	
Observed region	Observed regions		Rer	narks	
12353			Bigger prominence on the edge – slow movement No activity		
Weather					
Note					
Final mark	2				

Date: 01.06.2015					
Obs. start	07:30	Obs. end 12:45		12:45	
Observed regions		Rem	narks		

12358/12356		Movement of small bright
		spots
Weather		
Note		
Final mark	1-2	

Date: 02.06.2015						
Obs. start		11:45	Obs. end	Obs. end 14:50		
Observed regions Remarks					marks	
12358/12360 Sma				all prominence		
				B7.6 (12360) 12:19 UTC		
Weather						
Note	Excellent image quality					
Final mark	2-3					

Date: 03.06.2015						
Obs. start		07:45	Obs. end 17:10		17:10	
Observed regions					Remarks	
12358/12360 Movement of filaments					vement of filaments	
				Small bright spots		
Weather	Sligh	tly foggy in the afternoon				
Note						
Final mark	2-3					

Date: 05.06.2015						
Obs. start		10:10	Obs. end		16:05	
Observed regions					Remarks	
12361/12362				C2.1 (12361) 09:38 UTC		
				Bright spots		
Weather	Turb	ulences in the morning, cumul	us clouds fror	n tin	ne to time, hot, bad picture	
Note	Observer: JC					
Final mark	3-4					

Date: 08.06.2015						
Obs. start		07:40	Obs. end 14:38		14:38	
Observed regions				Remarks		
12361/12362			Small bright spots, small flare, movement of filament			
Weather	Good picture quality					

Note	
Final mark	3

Date: 09.06.2015						
Obs. start		07:30		Obs. end 14:05		14:05
Observed regions Remarks					narks	
12360	12360 Bright spots					ght spots
Weather	Turbulences in the morning, cumulus clouds from time to time, bad picture				ne to time, bad picture	
Note						
Final mark	2					

Date: 10.06.2015							
Obs. start		10:40	Obs. end 12:40		12:40		
Observed regions					Remarks		
12366				Few bright spots, evolution of			
				filaments			
Weather	Clou	ds in the morning, bad picture					
Note							
Final mark	1-2	-2					

Date: 11.06.20	Date: 11.06.2015						
Obs. start		07:35	Obs. end	bs. end 16:15			
Observed regio	ons			Rer	marks		
12360,				C1.	3 (12360) 08:20 UTC –		
12367				clo	uds		
				C3.	8 (12367) 11:32 UTC		
				C4.	5 (12367) 12:01 UTC		
				C8.7 (12367) 14:37 UTC			
				C7.0 (12367) 15:19 UTC			
				C1.3 (12367) 15:59 UTC			
Weather	Cumulus clouds in the morning						
Note	Due to computer crash photosphere observations until 15:00h						
Final mark	4						

Date: 12.06.2015							
Obs. start	07:15 Obs. end 14:30						
Observed regions				Remarks			
12360			Bright spots, small flares				
12367			(12	360)			

Weather	
Note	
Final mark	2

Date: 15.06.2015								
Obs. start		08:25	Obs. en	Obs. end		13:26		
Observed regions					Remarks			
12367	12367					No activity		
Weather	Cum	ulus clouds during the whole	e day					
Note								
Final mark	1							

Date: 16.06.2015							
Obs. start		07:20		Obs. end 14:20		14:20	
Observed regions					Remarks		
12365 Bri					Bri	ght spots	
Weather	Clou	ds from time to time, tu	irbulen	ces			
Note							
Final mark	1-2						

Date: 18.06.2015							
Obs. start		08:55		Obs. end	14:20		
Observed regions					Rer	marks	
12371					C1.1 (12371) 09:44 UTC		
					(Clouds)		
					Bright spots, movement of the		
					filament		
Weather	Clouds in the morning, bora wind						
Note							
Final mark	3						

Date: 19.06.2015							
Obs. start		10:30	Obs. end		14:30		
Observed regions			Remarks				
12371			C8.1 09:27 UTC				
				C1.8 10:44 UTC,			
				movement of the filament			
Weather	Clouds in the morning, cumulus clouds from time to time			time			
Note							

Final mark	3-4		
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Date: 01.07.2015							
Obs. start		07:30	Obs. end	s. end 14:20			
Observed regions					Remarks		
12373/12376				B8.8 (12376) 06:13 UTC			
				Bright spots			
Weather	Turb	Turbulences in the morning, bad picture, clouds from time to time					
Note							
Final mark	2-3						

Date: 02.07.2015							
Obs. start		07:20	Obs. end		14:30		
Observed regions					Remarks		
12373/12376					C1.4 (12373) 06:18 UTC		
Weather	Turb	ulences early in the morning, I	blurry picture	in th	e afternoon		
Note							
Final mark	2-3						

Date: 03.07.2015							
Obs. start		9:10	Obs. end	Obs. end 16:25			
Observed regions			Rer	marks			
12378			C3.	4 (12378) 09:19 UTC			
					C1.7 (12378) 11:24 UTC		
				B7.6 (12378) 11:59 UTC			
				M1.5 (12378) 12:51 UTC			
Weather	Turbulences and blurry picture in the afternoon, cumulus clouds occasionally						
Note							
Final mark	4-5						

Date: 06.07.20	015		
Obs. start	09:25	Obs. end	16:15
Observed region	ons		Remarks
12381			C2.5 (12381) 07:50 UTC
			M1.0 (12381) 08:44 UTC
			C1.3 (12381) 10:52 UTC
			C1.9 (12381) 11:19 UTC
			C5.7 (12381) 11:42 UTC
Weather	Turbulences in the mo	orning, blurry picture	

Note	
Final mark	4

Date: 07.07.2015					
Obs. start		07:20	Obs. end 14:35		14:35
Observed region	Observed regions			Remarks	
12381				C2.5(12381) 07:50 UTC	
	C1		C1.	3(12381) 10:52 UTC	
Weather	Very	hot, high humidity			
Note					
Final mark	4				

Date: 08.07.20	015				
Obs. start		07:20	Obs. end		14:10
Observed regions		Remarks			
12381			C1.1 (12381) 08:08 UTC,		
			evolution of filaments		olution of filaments
Weather	Hot, turbulences during the whole day				
Note					
Final mark	3				

Date: 09.07.20	015				
Obs. start		07:15	Obs. end 14:30		14:30
Observed regions			Remarks		
12381				Bright spots, evolution of	
	filaments		ments		
Weather	Turb	Turbulences during the whole day, foggy, clouds from time to in the afternoon			n time to in the afternoon
Note					
Final mark	2				

Date: 10.07.20	015						
Obs. start		07:30		Obs. end 14:20		14:20	
Observed regions				Remarks			
12384	12384				White spots, filament		
Weather	Turb	Turbulences and clouds in the morning, bora wind,					
Note							
Final mark	2						

Date: 13.07.20	015				
Obs. start		07:20	Obs. end	Obs. end 14:15	
Observed regions Remarks				marks	
12381/12385			Small prominences, white		
spots			ots		
Weather	Hot,	Hot, high humidity, turbulences in the afternoon			
Note					
Final mark	1-2				

Date: 14.07.20)15					
Obs. start		14:20	Obs. end 14:25		14:25	
Observed region	Observed regions R			Rer	marks	
12381/12385	12381/12385			No activity		
Weather	Hot,	Hot,				
Note	Just few pictures of chromosphere					
Final mark	1					

Date: 15.07.20)15						
Obs. start		07:30		Obs. end 14:20		14:20	
Observed regio	d regions Rem			marks			
12386	12386				No activity, small filament		
Weather	Very hot						
Note							
Final mark	1-2						

Date: 16.07.20)15					
Obs. start		07:20	Obs. end 14:20		14:20	
Observed regions				Remarks		
12384				Wh	ite spots, filament	
Weather	Hot,	Hot, turbulences				
Note						
Final mark	1-2					

Date: 17.07.2015					
Obs. start	07:15	Obs. end		15:25	
Observed regions			Rer	narks	
12386			No	activity, smaller filament	

Weather	Smaller turbulences and blurry picture in the afternoon
Note	
Final mark	1-2

Date: 20.07.2015								
Obs. start		07:30 Obs. end 14:15						
Observed regions Remarks								
12387				Wh	nite spots			
Weather	Turb	ulences and blurry picture in	the afternoon					
Note								
Final mark	1-2							

Date: 21.07.2015							
Obs. start		07:15		Obs. end		13:10	
Observed region	ons				Rer	marks	
12386					No	activity	
Weather	High	humidity, hot, foggy					
Note							
Final mark	1-2						

Date: 22.07.2015								
Obs. start		07:10 Obs. end 14:25						
Observed region	ons			Rer	narks			
12387				Wh	ite spots, small eruption			
Weather	Fogg	y, very hot						
Note								
Final mark	2							

Date: 24.07.2015								
Obs. start		08:50 Obs. end 14:20						
Observed region	ons			Rer	narks			
12386/12387				No	activity			
Weather	Clou	ds in the morning, turbulence	s in the aftern	oon				
Note								
Final mark	1							

Date: 27.07.2015			
Obs. start	07:10	Obs. end	14:25

Observed regi	ons	Remarks
12390		Small eruption (thru the
		clouds), evolution of filaments
Weather	Clouds from time to time in the morning, hot, st	rong turbulences
Note		
Final mark	2-3	

Date: 28.07.20	015						
Obs. start		07:10 Obs. end 14:05					
Observed region	ons				Rer	narks	
12390					Wh	ite spots	
Weather	Clou	ds in the morning					
Note							
Final mark	1-2						

Date: 29.07.2015							
Obs. start	07:25 Obs. end 13:50						
Observed regio	ons				Rer	marks	
12390					Wh	ite spots	
Weather	Clou	ds from time to tim	ie in the mo	orning, strong	turb	ulences	
Note							
Final mark	1-2						

Date: 30.07.2015								
Obs. start		07:10	Obs. end 10:40					
Observed regions					Remarks			
12391/12392					Wh	ite spots (12391)		
Weather	Turb	ulences, blurry picture,						
Note								
Final mark	1-2							

Date: 31.07.2015							
Obs. start		09:40		Obs. end		13:45	
Observed region	ons				Rer	narks	
					Wh	ite spots	
Weather	Clou	ds from time to time	, bora win	d, strong turb	uler	nces	
Note							
Final mark	1-2						

Date: 03.08.2015								
Obs. start		09:40 Obs. end 14:20						
Observed region	ons				Rer	narks		
12394					Sm	all eruption		
Weather	Clou	ds in the morning and o	ccasior	ally in the aft	erno	oon, blurry picture		
Note								
Final mark	1-2							

Date: 04.08.2015							
Obs. start		07:20 Obs. end 14:20					
Observed region	ons			Re	marks		
12394				Sm	all eruptions		
Weather	Hot,	blurry picture					
Note							
Final mark	2						

Date: 06.08.2015								
Obs. start		07:25	Obs. end		14:15			
Observed region	ons			Rer	narks			
12396					C1.0 (12396) 09:05 UTC, blurry			
				picture				
Weather	Fogg	y, turbulences						
Note								
Final mark	2-3							

Date: 07.08.20	Date: 07.08.2015								
Obs. start		07:15	Obs. end		14:25				
Observed region	ons			Rer	marks				
12396				B6.	7 (12396) 06:34 UTC				
					C1.1 (12396) 09:08 UTC				
				B8.	4 (12396) 10:12 UTC,				
	-			evo	olution of filament				
Weather	Turb	ulences in the afternoon							
Note									
Final mark	3								

Date: 10.08.2015								
Obs. start	08:00	Obs. end		14:25				
Observed regions Remarks								

12396	B7.6 (12396) 09:11 UTC
	Small flares
Weather	Foggy, smoke from fire
Note	
Final mark	3

Date: 11.08.2015								
Obs. start		07:10		Obs. end 09:10				
Observed regio	ons				Rer	marks		
12396					Sm	all eruptions		
Weather	Cloud	ds						
Note								
Final mark	1-2							

Date: 12.08.2015									
Obs. start		07:10	Obs. end		14:20				
Observed regions			Rer	narks					
12396				Sm	all eruptions				
Weather	Clou	ds from time to time in the mo	orning, foggy,	turb	ulences in the afternoon				
Note									
Final mark	1-2								

Date: 13.08.2015								
Obs. start		07:20		Obs. end 14:20				
Observed region	ons				Rer	narks		
12396					Wh	lite spots		
Weather	Clou	ds occasionally in the aft	ternoo	n				
Note								
Final mark	2							

Date: 14.08.2015								
Obs. start		07:20		Obs. end		12:45		
Observed region	ons				Rer	narks		
12401				B4.4 (12401) 05:38 UTC				
					B5.2 (12401) 07:35 UTC			
Weather	Fogg	У						
Note								
Final mark	3							

Date: 18.08.2015									
Obs. start		10:50		Obs. end 13:45					
Observed regions						narks			
12401					Sm	all eruption			
Weather	Clou	ds in the morning							
Note									
Final mark	2								

Date: 19.08.2015								
Obs. start		09:30		Obs. end 09:40				
Observed regio	ons				Rer	narks		
12401					No activity			
Weather	Cloud	ds, bad picture						
Note								
Final mark	1							

Date: 20.08.20	Date: 20.08.2015								
Obs. start		08:10		Obs. end		14:00			
Observed regions			Rer	marks					
12403					the C1.	7 (12403) 07:10 UTC (thru clouds) 6 (12403) 08:06 UTC, few aller eruptions			
Weather	Clou	ds from time to time, b	ora win	d					
Note									
Final mark	mark 3								

Date:21.08.2015									
Obs. start		11:00	Obs. end	13:30					
Observed region	ons			Rer	marks				
12403					.4 (12403) 09:48 UTC (thru clouds)				
Weather	Clou	ds from time to time, bad pictu	ıre						
Note									
Final mark	3-4								

Date: 24.08.2015

Obs. start		08:00	Obs. end	Obs. end 09:40		
Observed regions			Remarks			
12403				C3.	2 (12403) 06:15 UTC	
				C1.3 (12403) 06:40 UTC		
				C6.7 (12403) 07:12 UTC		
				M5	.6 (12403) 07:33 UTC	
Weather	Clou	dy, strong turbulences				
Note						
Final mark 4-5						

Date: 26.08.20	Date: 26.08.2015							
Obs. start		07:15 Obs. end 09:00						
Observed regio	ons		Remarks		narks			
12403				Small eruptions				
Weather	Blurr	y picture						
Note								
Final mark	2							

Date: 27.08.20	Date: 27.08.2015							
Obs. start		07:20		Obs. end 14:20				
Observed regions					Remarks			
12403				M2.9 (12403) 05:44 UTC, few				
					small eruptions			
Weather								
Note								
Final mark	4							

Date: 28.08.20	015					
Obs. start		07:20		Obs. end 12:20		
Observed region	ons				Rer	narks
12403 C4.5 (12403) 06:28 UTC						5 (12403) 06:28 UTC
C3.7 (12403) 08:19 U					7 (12403) 08:19 UTC	
					C1.	3(12403) 09:58 UTC
					C5.	3 (12403) 11:44 UTC
Weather	Smal	l turbulences, good pi	cture			
Note						
Final mark	4-5					

Date: 31.08.20	Date: 31.08.2015						
Obs. start		07:20	Obs. end 14:00		14:00		
Observed region	ons			Rer	narks		
12407 White spots, small filamen				ite spots, small filament			
Weather	Hot,	foggy					
Note							
Final mark	2						

Date: 01.09.20	015					
Obs. start		09:30		Obs. end		11:00
Observed regions					Rer	narks
12406				Small eruption		
Weather	Hot					
Note						
Final mark	2					

Date: 02.09.20	015						
Obs. start		07:30 Obs. end 14:10					
Observed regions						Remarks	
12409 No activity							
Weather	Clou	ds from time to tim	e, turbulen	ces in the afte	erno	on	
Note							
Final mark	1-2						

Date: 03.09.20	Date: 03.09.2015							
Obs. start	07:20 Obs. end 14:25							
Observed regions Remarks								
12406, 12409 No activity								
Weather								
Note								
Final mark	1-2							

Date: 04.09.20)15				
Obs. start		07:30	Obs. end		10:30
Observed regions Remarks					marks
12409			Small eruption, evolution ar		all eruption, evolution and
				eru	ption of the filament
Weather	Clou	ds from time to time, turbulen	ces		
Note					

Final mark	3	
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Date: 07.09.2015						
Obs. start		08:40	Obs. end 14:20			14:20
Observed regions				Remarks		marks
12409		No activity				
Weather	Clou	ds from time to time				
Note						
Final mark	1-2					

Date: 08.09.20	015						
Obs. start		08:00		Obs. end 14:45			
Observed regions					Rer	narks	
12412					No activity		
Weather	Blurr	y picture, turbulence	S				
Note							
Final mark	1-2						

Date: 11.09.20)15					
Obs. start		07:30	Obs. end 13:55		13:55	
Observed regions Remarks			narks			
12412/12414				White spots, small filaments		
Weather	Clou	ds from time to time, bad pictu	ure			
Note						
Final mark	1-2					

Date: 18.09.2015						
Obs. start		08:20		Obs. end 13:17		13:17
Observed region	red regions			Remarks		
12415				C2.6 (12415) 06:31 UTC		
				Flares, white spots, small		res, white spots, small
					filaments	
Weather	Sout	h wind, turbulences				
Note						
Final mark	3-4					

Date: 21.09.2015			
Obs. start	12:00	Obs. end	14:40

Observed regions		Remarks
12420 Small eruption		Small eruption
Weather	Bora wind, fuzzy picture	
Note		
Final mark	2	

Date: 22.09.20)15				
Obs. start		07:30	Obs. end 14:20		14:20
Observed region	ons			Rer	narks
12420	White spots			ite spots	
Weather	Bora	wind, fuzzy picture			
Note					
Final mark	2-3				

Date: 23.09.20	015				
Obs. start		07:30	Obs. end 14:15		14:15
Observed region	ons			Remarks	
12420	White sr		ite spots, moving filaments		
Weather	Turb	ulences, strong wind			
Note					
Final mark	2				

Date: 30.09.20)15					
Obs. start		08:55	Obs. end 14:45		14:45	
Observed regio	ons			Rer	narks	
12422				C5.	9 (12422) 06:55 UTC (just	
				the end)		
				M1.3 (12422) 10:59 UTC		
				C4.	4 (12422) 11:39 UTC	
Weather	Bora	wind, turbulences, clouds from	n time to tim	е		
Note	very big sunspot group					
Final mark	4					

Date: 01.10.2015				
Obs. start	08:05	Obs. end 14:10		14:10
Observed regions		Remarks		
12422			C3.5 (12422) 08:35 UTC	
			C7.	6 (12422) 09:34 UTC
Weather Stro	rong turbulences (bora wind), clouds from time to time, blurry picture			

Note	very big sunspot group
Final mark	3-4

Date: 02.10.2015							
Obs. start		08:45	0	bs. end		14:20	
Observed region	ons				Rer	marks	
12422					C5.	8 (12422) 07:00 UTC	
					C4.8 (12422) 07:49 UTC		
					C7.6 (12422) 08:38 UTC		
					C3.	0 (12422) 09:17 UTC	
					C3.	0 (12422) 11:44 UTC	
Weather	Clouds from time to time, turbulences						
Note							
Final mark	4						

Date: 12.10.2015						
Obs. start		07:44	Obs. end 14:25		14:25	
Observed regions Remarks			narks			
12432	12432			Moving filament, no activity		
Weather	Bora	wind, clouds from time to tin	ne			
Note						
Final mark	1-2					

Date: 13.10.2015							
Obs. start		09:45		Obs. end		13:50	
Observed region	Observed regions				Remarks		
12432				No activity			
Weather	Clou	ds during whole day,	strong SE	wind			
Note							
Final mark	1-2						

Date: 16.10.2015								
Obs. start		11:15	Obs. end		14:35			
Observed regions				Rer	narks			
12434				C3.1 (12434) 10:20 UTC				
				(clouds)				
Weather	Clou	ds occasionally, NE wind (bora)					
Note								
Final mark	3							

Date: 20.10.2015								
Obs. start		10:50		Obs. end 14:40		14:40		
Observed regions					Remarks			
12436				B7.6 (12436) 12:29 UTC				
Weather	Clou	ds during the whole day						
Note								
Final mark	3							

Date: 21.10.2015								
Obs. start		08:20		Obs. end 13:50		13:50		
Observed regions Remarks						marks		
12436	12436 White spots, small eruptions					ite spots, small eruptions		
Weather	Stror	ng NE wind, high cloud	ls in the a	afternoon				
Note								
Final mark	3							

Date: 23.10.2015								
Obs. start		08:30		Obs. end 10:15				
Observed regions Remarks								
12436					Wh	lite spots		
Weather	Fogg	y, NE wind, very blurry pic	ture					
Note	bad picture quality							
Final mark	1							

Date: 26.10.2015								
Obs. start		08:30		Obs. end 14:20				
Observed regions F						marks		
12436					Sm	all eruption		
Weather	High	clouds, high humidit	ty, blurry p	oicture (cloud	s)			
Note								
Final mark	2							

Date: 27.10.2015								
Obs. start	bs. start 08:30 Obs. end 14:20							
Observed regi	ons				Remarks			
12436					Wh	ite spots, moving filaments		
Weather	Cloud	ds in the afternoo	n					

Note	
Final mark	2

Date: 28.10.2015							
Obs. start		08:30	Obs. end 14:25		14:25		
Observed regions					marks		
12436, 12437				Wh	iite spots		
Weather	High	clouds in the morning, high h	umidity, cloud	ls oc	casionally		
Note							
Final mark	2-3						

Date: 30.10.2015							
Obs. start		07:40	Obs. end		14:00		
Observed region	ons			Rer	marks		
12443				C4.	2 (12443) 07:15 UTC		
				C5.5 (12443) 08:41 UTC			
				C4.6 (12443) 10:18 UTC			
				C2.	4 (12443) 11:54 UTC		
Weather	NE w	ind (bura), blurry picture					
Note							
Final mark	4						

Date: 02.11.2015								
Obs. start		07:55	Obs. end 14:30		14:30			
Observed region	ons			Rer	narks			
12445					C7.2 (12445) 10:00 UTC			
				C1.8 (12445) 13:19 UTC				
Weather								
Note	Observed region in fits header 12445, not 12442							
Final mark	3-4							

Date: 03.11.2015								
Obs. start	08:0	00		Obs. end 14:50		14:50		
Observed regions					Remarks			
12443					Moving filaments, white spots			
Weather								
Note								
Final mark	3-4							

Date: 04:11.20	Date: 04:11.2015							
Obs. start		08:00	Obs. end 15:30		15:30			
Observed regio	ons			Rer	marks			
12445, 12443				C4.	6 (12445) 09:00 UTC			
				C1.1 (12445) 10:32 UTC				
				M2.5 (12445) 12:01 UTC				
				M3.7 (12443) 13:52 UTC				
Weather								
Note	beginning of flare M3.7 in 12443 not recorded							
Final mark	4-5							

Date: 05.11.2015						
Obs. start	08:00	Obs. end	14:10			
Observed regions Remarks						
12443			Moving filament			
Weather						
Note	lote					
Final mark	2					

Date: 06.11.2015						
Obs. start		07:40	Obs. end 14:15			
Observed regions Remarks						
12448				C1.0 (12448) 09:19 UTC		
Weather	Fogg	y in the morning, high humidit	.y			
Note	Only 4 picture of photosphere					
Final mark	3	3				

Date: 25.11.2015						
Obs. start		08:00	Obs. end 14:40		14:40	
Observed region	ons			Rer	narks	
12458/12459,	12454	/12455		C1.	9 (12454) 08:26 UTC	
Weather	Clou	ds during the whole day, blurr	y picture			
Note						
Final mark	2					

Date: 02.12.2015						
Obs. start 08:40 Obs. end 14:20						
Observed regions				Remarks		
12458			No	activity		

Weather	High humidity, high clouds, blurry picture
Note	
Final mark	1

Date: 03.12.2015						
Obs. start		08:30	Obs. end		14:10	
Observed regions				Remarks		
12458				No activity		
Weather	High humidity, blurry picture					
Note						
Final mark	1-2					

Date: 07.12.2015						
Obs. start		09:15	Obs. end 14:00		14:00	
Observed regions Re					narks	
12465				White spots		
Weather	Clou	ds occasionally, blurry picture	in the mornin	g		
Note						
Final mark	2					

Date: 08.12.2015						
Obs. start		08:15	Obs. end 14:10		14:10	
Observed regions Remarks					marks	
12465				Small eruption		
Weather	High	humidity, foggy, blurry pictu	re			
Note						
Final mark	2-3					

Date: 09.12.20)15					
Obs. start		10:50	Obs. end		14:11	
Observed region	ons			Rer	marks	
12465, 12466				Fila	ment, prominences on the	
				edge		
				C1.2 (12466) 11:00 UTC		
				C1.	2 (12466) 12:12 UTC	
Weather	Yeather Clouds in the morning, foggy, clouds occasionally, blurry picture			urry picture		
Note						
Final mark	3					

Date: 10.12.2015						
Obs. start		08:00 Obs. end 14:10				
Observed region	Observed regions Remarks					
12466, 12468				No	activity	
Weather	Fogg	y, blurry picture, NE wind (bu	ra)			
Note	Vary bad picture					
Final mark	1					

Date: 11.12.2015						
Obs. start	08:20	Obs. end	12:30			
Observed regio	ons		Remarks			
12468			No activity			
Weather						
Note						
Final mark	2					

Date: 14.12.2015							
Obs. start		09:00	0	Obs. end		10:30	
Observed regions					Remarks		
12470					White spots		
Weather	High	clouds, high humidity					
Note							
Final mark	2						

Date: 15.12.2015						
Obs. start		09:00		Obs. end 13:10		13:10
Observed regions				Remarks		narks
12470				Small white spots		all white spots
Weather	Occasionally blurry picture					
Note						
Final mark	2-3					

Date: 16.12.2015						
Obs. start		08:00		Obs. end 14:10		14:10
Observed regions Remarks					marks	
12470, 12468			Weak activity (12468)		ak activity (12468)	
Weather	High	High humidity, blurry picture				
Note	very bad picture quality in the morning					
Final mark	2					

Date: 17.12.2015							
Obs. start		08:10		Obs. end 14:10		14:10	
Observed regions					Remarks		
12470				C1.7 (12470) 12:35 UTC			
Weather	turbı	turbulences					
Note	bad picture quality in the morning						
Final mark	2-3						

Date: 18.12.2015						
Obs. start		08:20	Obs. end		14:10	
Observed regions Remarks					narks	
12469/12470, 12468				Small eruption (12468)		
Weather	Clouds occasionally					
Note						
Final mark	2-3					

Date: 21.12.2015							
Obs. start		08:30		Obs. end 14:15		14:15	
Observed regions				Remarks		narks	
12472	12472				C1.7 (12472) 08:29 UTC		
				C1.0 (12472) 09:04 UTC		0 (12472) 09:04 UTC	
					M1	.1 (12472) 10:19 UTC	
					C5.	9 (12472) 11:00 UTC	
Weather	Clouds occasionally						
Note	Active region on the limb						
Final mark	4-5						

Date: 23.12.2015							
Obs. start		08:40		Obs. end 14:00		14:00	
Observed regions				Remarks			
12473					White spots		
Weather	High humidity, blurry picture in the morning						
Note							
Final mark	3						