

HVAR SOLAR TELESCOPE

Observer logbook

2011

Notes:

- All observation times are in local time (Hvar)
 - from **27.3.2011** summer time: **UTC +2h**
 - from **30.10.2011** 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: 06.05.2011			
Obs. start	11:50	Obs. end	14:50
Observed regions		Remarks	
11203/11204/11205		White spots	
Weather			
Note			
Final mark	2		

Date: 07.05.2011			
Obs. start	10:40	Obs. end	12:55
Observed regions		Remarks	
11203/11204/11205		moving filaments	
Weather			
Note			
Final mark	2-3		

Date: 08.05.2011			
Obs. start	10:10	Obs. end	14:25
Observed regions		Remarks	
11203/11204/11205		Short lived white spots, moving filament	
Weather	Clouds from time to time		
Note			
Final mark	2-3		

Date: 10.05.2011			
Obs. start	09:10	Obs. end	13:30
Observed regions		Remarks	
11204/11203/11205, 11210		White spots	
Weather			
Note	Observed region 11210 not added to fits header info (10:20 – 11:30 UT)		
Final mark	2-3		

Date: 11.05.2011			
Obs. start	09:55	Obs. end	12:00
Observed regions		Remarks	
11210		No activity	

Weather	Clouds
Note	
Final mark	1-2

Date: 12.05.2011			
Obs. start	07:55	Obs. end	12:00
Observed regions		Remarks	
11210		No activity	
Weather			
Note			
Final mark	1-2		

Date: 14.05.2011			
Obs. start	10:00	Obs. end	10:55
Observed regions		Remarks	
11212		No activity	
Weather			
Note			
Final mark	1-2		

Date: 18.05.2011			
Obs. start	08:29	Obs. end	13:50
Observed regions		Remarks	
11212, 11218		No activity	
Weather			
Note			
Final mark	1-2		

Date: 19.05.2011			
Obs. start	08:15	Obs. end	16:10
Observed regions		Remarks	
11216/11218		White spots, moving filaments	
Weather	sharp picture		
Note			
Final mark	2-3		

Date: 20.05.2011			
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Obs. start	07:50	Obs. end	13:45
Observed regions		Remarks	
11216/11218, 12114, 11217, filament		No activity	
Weather			
Note			
Final mark	1-2		

Date: 24.05.2011			
Obs. start	09:00	Obs. end	13:45
Observed regions		Remarks	
11218		White spots	
Weather	Clouds in the morning		
Note			
Final mark	2		

Date: 25.05.2011			
Obs. start	08:45	Obs. end	13:50
Observed regions		Remarks	
Filament		No activity	
Weather			
Note			
Final mark	1-2		

Date: 26.05.2011			
Obs. start	08:15	Obs. end	13:55
Observed regions		Remarks	
11223		No activity	
Weather	Foggy, small turbulences		
Note			
Final mark	2		

Date: 27.05.2011			
Obs. start	08:35	Obs. end	13:35
Observed regions		Remarks	
East edge		Prominences on the East edge	
Weather	SE wind (jugo) in the morning		
Note			
Final mark	2-3		

Date: 17.07.2011			
Obs. start	13:30	Obs. end	14:45
Observed regions			Remarks
11259			Small activity
Weather			
Note	Repaired Telescope, test shots		
Final mark	2		

Date: 21.07.2011			
Obs. start	08:00	Obs. end	13:50
Observed regions			Remarks
11259			White spots
Weather	Clouds in the morning		
Note			
Final mark	2		

Date: 25.07.2011			
Obs. start	08:30	Obs. end	12:40
Observed regions			Remarks
11260			Moving filaments, small eruption
Weather			
Note			
Final mark	2-3		

Date: 27.07.2011			
Obs. start	08:05	Obs. end	14:00
Observed regions			Remarks
11260 /11261			C1.1 (11260) 06:12 UTC C3.0 (11260) 06:39 UTC C3.0 (11260) 10:02 UTC
Weather	Strong wind, turbulences		
Note			
Final mark	3-4		

Date: 01.08.2011			
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Obs. start	08:15	Obs. end	14:35
Observed regions		Remarks	
11261, 11263		C4.0 (11261) 07:32 UTC C1.4 (11263) 08:14 UTC	
Weather	Occasionally bad picture		
Note			
Final mark	3-4		

Date: 02.08.2011			
Obs. start	07:45	Obs. end	14:00
Observed regions		Remarks	
11261, 11263		M1.4 (11261) 06:19 UTC C2.0 (11261) 09:27 UTC	
Weather	Clouds occasionally		
Note			
Final mark	4		

Date: 03.08.2011			
Obs. start	07:50	Obs. end	14:50
Observed regions		Remarks	
11261, 11263		C1.1 (11261) 06:46 UTC C3.0 (11261) 07:45 UTC	
Weather			
Note			
Final mark	3-4		

Date: 04.08.2011			
Obs. start	09:50	Obs. end	13:55
Observed regions		Remarks	
11261, 11263		C3.5 (11261) 08:02 UTC C2.5 (11261) 09:20 UTC C1.6 (11261) 10:12 UTC	
Weather	Clouds occasionally		
Note			
Final mark	3-4		

Date: 09.08.2011			
Obs. start	10:20	Obs. end	11:05
Observed regions		Remarks	

11263		white spots
Weather	Clouds whole day	
Note		
Final mark	2	

Date: 10.08.2011			
Obs. start	08:00	Obs. end	14:00
Observed regions		Remarks	
11263		C2.4 (11263) 09:37 UTC C6.1 (11263) 10:30 UTC	
Weather	Strong NE (bura) wind, turbulences		
Note			
Final mark	3		

Date: 11.08.2011			
Obs. start	08:30	Obs. end	13:50
Observed regions		Remarks	
11263		Moving small prominences, filaments	
Weather	Blurry picture		
Note			
Final mark	2-3		

Date: 12.08.2011			
Obs. start	09:00	Obs. end	13:40
Observed regions		Remarks	
11270		small white spot, filament	
Weather	Blurry picture		
Note			
Final mark	2		

Date: 16.08.2011			
Obs. start	08:15	Obs. end	13:55
Observed regions		Remarks	
11271, 11272		White spots	
Weather	Occasionally blurry picture		
Note			
Final mark	2		

Date: 17.08.2011			
Obs. start	08:05	Obs. end	13:40
Observed regions		Remarks	
11271		C3.4 (11271) 10:30 UTC	
Weather			
Note			
Final mark	3		

Date: 18.08.2011			
Obs. start	08:00	Obs. end	13:50
Observed regions		Remarks	
11271, 11272		Small eruption, moving filaments	
Weather			
Note			
Final mark	2-3		

Date: 19.08.2011			
Obs. start	07:50	Obs. end	11:55
Observed regions		Remarks	
11271, 11272		movement of small filaments, streamers	
Weather	sharp picture		
Note			
Final mark	2		

Date: 22.08.2011			
Obs. start	08:00	Obs. end	12:50
Observed regions		Remarks	
11271		Small eruptions, white spots, movement of large filament	
Weather	sharp picture		
Note			
Final mark	3		

Date: 23.08.2011			
Obs. start	07:50	Obs. end	13:45
Observed regions		Remarks	
11271		Small eruptions, large filament	

Weather	
Note	
Final mark	2-3

Date: 24.08.2011			
Obs. start	07:55	Obs. end	13:45
Observed regions		Remarks	
11271		Small eruptions, moving filaments, large filament	
Weather			
Note			
Final mark	2-3		

Date: 25.08.2011			
Obs. start	08:25	Obs. end	14:00
Observed regions		Remarks	
11271		Small eruptions, moving filament	
Weather			
Note			
Final mark	3		

Date: 26.08.2011			
Obs. start	08:00	Obs. end	13:40
Observed regions		Remarks	
11271, 11281		Small eruptions, movement of large filament	
Weather	Blurry picture		
Note			
Final mark	3		

Date: 29.08.2011			
Obs. start	08:40	Obs. end	16:25
Observed regions		Remarks	
11281, 11278		Prominences on the edge, small eruptions	

Weather	
Note	
Final mark	3

Date: 30.08.2011			
Obs. start	09:00	Obs. end	14:15
Observed regions		Remarks	
11278, 11281		small prominences on the edge	
Weather	Clouds occasionally		
Note			
Final mark	2-3		

Date: 31.08.2011			
Obs. start	08:35	Obs. end	14:35
Observed regions		Remarks	
11277/11279, 11283		C2.2 (11283) 11:24 UTC (beginning not imaged)	
Weather	Blurry picture, small turbulences, clouds occasionally		
Note			
Final mark	3		

Date: 01.09.2011			
Obs. start	08:05	Obs. end	14:15
Observed regions		Remarks	
11277/11279, 11283		Small eruptions, white spots	
Weather	Clouds occasionally during the whole day		
Note			
Final mark	2-3		

Date: 02.09.2011			
Obs. start	08:05	Obs. end	14:10
Observed regions		Remarks	
11283		Small eruptions, moving filaments	
Weather	Clouds occasionally during the whole day		
Note			
Final mark	3		

Date: 05.09.2011			
Obs. start	10:15	Obs. end	14:00
Observed regions		Remarks	
11286/11279/11282		Prominences, loops, small eruptions on the edge	
Weather	Clouds occasionally during the whole day		
Note			
Final mark	3		

Date: 06.09.2011			
Obs. start	08:20	Obs. end	12:15
Observed regions		Remarks	
11289, 11283		White spots	
Weather	Blurry picture, cloudy		
Note			
Final mark	2-3		

Date: 07.09.2011			
Obs. start	08:50	Obs. end	14:00
Observed regions		Remarks	
11283		B7.7 (11283) 10:53 UTC	
Weather	NE wind (tramontana)		
Note			
Final mark	2-3		

Date: 08.09.2011			
Obs. start	08:02	Obs. end	13:15
Observed regions		Remarks	
11283		C1.7 (11283)10:46 UTC	
Weather	Clouds occasionally during the whole day		
Note			
Final mark	2-3		

Date: 09.09.2011			
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Obs. start	09:20	Obs. end	15:40
Observed regions		Remarks	
11283,11289		Small eruptions, filaments	
Weather	Clouds occasionally		
Note			
Final mark	2-3		

Date: 10.09.2011			
Obs. start	12:00	Obs. end	14:03
Observed regions		Remarks	
11283, 11289		No activity	
Weather	SE wind		
Note			
Final mark	2		

Date: 11.09.2011			
Obs. start	12:15	Obs. end	14:20
Observed regions		Remarks	
11289		White spots	
Weather			
Note			
Final mark	2		

Date: 12.09.2011			
Obs. start	10:19	Obs. end	12:15
Observed regions		Remarks	
11289		No activity	
Weather	Foggy, high clouds, bad picture		
Note			
Final mark	1-2		

Date: 13.09.2011			
Obs. start	07:50	Obs. end	13:49
Observed regions		Remarks	
11292, 11295		White spots, movement of small filaments	
Weather	Blurry picture in the morning		
Note			
Final mark	2-3		

Date: 14.09.2011			
Obs. start	09:45	Obs. end	15:48
Observed regions		Remarks	
11296/11295/11298, 11290/11297		C1.9 (11296) 08:30 UTC C2.2 (11297) 11:26 UTC C1.4 (11295) 11:53 UTC	
Weather	High clouds		
Note			
Final mark	2-3		

Date: 15.09.2011			
Obs. start	07:41	Obs. end	14:20
Observed regions		Remarks	
11295/11296/11298		White spots	
Weather			
Note	Problems with telescope tracking		
Final mark	2-3		

Date: 16.09.2011			
Obs. start	08:10	Obs. end	15:52
Observed regions		Remarks	
11295/11296, 11298, 11299		C1.8 (1299) 08:10 UTC	
Weather			
Note			
Final mark	2-3		

Date: 17.09.2011			
Obs. start	11:45	Obs. end	15:44
Observed regions		Remarks	
11289, 11298		No activity	
Weather			
Note			
Final mark	1-2		

Date: 22.09.2011			
Obs. start	08:15	Obs. end	17:00
Observed regions		Remarks	

11302,11295		C8.9 (11302) 08:54 UTC M1.1 (11295) 10:00 UTC X1.4 (11302) 11:01 UTC	
Weather			
Note			
Final mark	5		

Date: 23.09.2011			
Obs. start	10:08	Obs. end	13:00
Observed regions		Remarks	
11302, 11295		C2.7 (11295) 08:19 UTC C6.9 (11302) 08:50 UTC	
Weather	Heavy clouds till 10:00, later clouds occasionally		
Note			
Final mark	2-3		

Date: 27.09.2011			
Obs. start	12:24	Obs. end	14:00
Observed regions		Remarks	
11302		C1.8 (11302) 10:54 UTC C1.3 (11302) 11:47 UTC	
Weather	Clouds during the whole day		
Note			
Final mark	2		

Date: 28.09.2011			
Obs. start	08:20	Obs. end	14:00
Observed regions		Remarks	
11302		C1.4 (11302) 08:24 UTC B9.7 (11302) 10:22 UTC	
Weather	NE wind (bura), turbulences		
Note			
Final mark	2-3		

Date: 29.09.2011			
Obs. start	07:58	Obs. end	13:50
Observed regions		Remarks	
11302		White spots, moving filaments	

Weather	
Note	
Final mark	3

Date: 30.09.2011			
Obs. start	11:40	Obs. end	14:05
Observed regions		Remarks	
11302		Moving filaments, white spots	
Weather	Till 11:30h heavy clouds		
Note			
Final mark	3		

Date: 03.10.2011			
Obs. start	08:20	Obs. end	14:00
Observed regions		Remarks	
11302		Small eruptions, movement of small filaments	
Weather			
Note			
Final mark	2-3		

Date: 04.10.2011			
Obs. start	08:40	Obs. end	15:00
Observed regions		Remarks	
11302/11305		C7.3 (11302) 09:23 UTC	
Weather	High humidity, bad picture		
Note			
Final mark	2-3		

Date: 05.10.2011			
Obs. start	07:55	Obs. end	14:00
Observed regions		Remarks	
11309/11312, 11313		C2.3 (11313) 07:43 UTC C6.1 (11313) 10:59 UTC	
Weather	Occasionally blurry picture		
Note			
Final mark	3		

Date: 06.10.2011			
Obs. start	08:35	Obs. end	14:05
Observed regions		Remarks	
11313		C1.9 (S13 E34) 09:44 UTC	
Weather	High humidity, clouds occasionally		
Note			
Final mark	2-3		

Date: 11.10.2011			
Obs. start	10:50	Obs. end	14:00
Observed regions		Remarks	
11314		White spots	
Weather	Strong NE wind (bura), clouds		
Note			
Final mark	2		

Date: 17.10.2011			
Obs. start	10:15	Obs. end	14:05
Observed regions		Remarks	
13119, 11323		moving filaments, white spots	
Weather	Foggy, bad picture		
Note			
Final mark	2		

Date: 18.10.2011			
Obs. start	08:30	Obs. end	13:45
Observed regions		Remarks	
11324, 11319		Small white spots	
Weather	Bad picture		
Note			
Final mark	2		

Date: 24.10.2011			
Obs. start	08:20	Obs. end	14:15
Observed regions		Remarks	
11324		Small white spots	
Weather	High humidity, clouds		

Note	
Final mark	1-2

Date: 29.10.2011			
Obs. start	10:40	Obs. end	14:52
Observed regions		Remarks	
11330, 11324		C1.9 (11324) 09:22 UTC (the end)	
Weather	Occasionally blurry picture		
Note			
Final mark	2-3		

Date: 30.10.2011			
Obs. start	10:30	Obs. end	14:40
Observed regions		Remarks	
11332		C2.1 (near 11332) 10:10 UTC	
Weather	Occasionally clouds		
Note			
Final mark	2-3		

Date: 31.10.2011			
Obs. start	12:20	Obs. end	15:30
Observed regions		Remarks	
11336		Small eruptions, loops, small moving filaments	
Weather	Clouds occasionally		
Note			
Final mark	3		

Date: 01.11.2011			
Obs. start	10:40	Obs. end	15:10
Observed regions		Remarks	
11336/11337		13:25 eruption on the E edge, small eruption, loops, movement of large filament	
Weather			
Note	Good picture		

Final mark	3-4
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Date: 02.11.2011			
Obs. start	10:30	Obs. end	12:50
Observed regions		Remarks	
11339		Small white spots	
Weather	Clouds		
Note			
Final mark	1-2		

Date: 03.11.2011			
Obs. start	09:00	Obs. end	15:25
Observed regions		Remarks	
11339		M2.5 (11339) 11:11 UTC	
Weather	Clouds occasionally, from 12h high clouds, blurry picture		
Note			
Final mark	4		

Date: 27.12.2011			
Obs. start	08:30	Obs. end	14:00
Observed regions		Remarks	
11388, 11387		No activity	
Weather			
Note			
Final mark	1-2		

Date: 28.12.2011			
Obs. start	08:50	Obs. end	14:00
Observed regions		Remarks	
11388/11389		C1.1 (11389) 11:53 UTC	
Weather	Blurry picture		
Note			
Final mark	2-3		