

HVAR SOLAR TELESCOPE

Observer logbook

2016

Notes:

- All observation times are in local time (Hvar)
 - from **27.03.2016** summer time: UTC **+2h**
 - from **30.10.2015** 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: 14.01.2016			
Obs. start	09:05	Obs. end	14:40
Observed regions		Remarks	
12480/12483		Small white spots, moving filaments	
Weather	High humidity, clouds occasionally		
Note	Blurry picture		
Final mark	2		

Date: 18.01.2016			
Obs. start	09:30	Obs. end	12:35
Observed regions		Remarks	
12486		No activity	
Weather	NE wind (bura)		
Note	Very blurry picture		
Final mark	1		

Date: 25.01.2016			
Obs. start	09:30	Obs. end	13:30
Observed regions		Remarks	
12489		C1.4 (12489) 09:11 UTC C1.0 (12489) 10:34 UTC	
Weather	Foggy early in the morning, clouds occasionally		
Note			
Final mark	3		

Date: 27.01.2016			
Obs. start	09:45	Obs. end	14:15
Observed regions		Remarks	
12489		White spots, moving filaments	
Weather	Fog in the morning, clouds occasionally		
Note			
Final mark	2-3		

Date: 01.02.2016			
Obs. start	09:30	Obs. end	14:05
Observed regions		Remarks	
12490		Moving filaments	
Weather	Clouds in the morning		

Note	
Final mark	1-2

Date: 05.02.2016			
Obs. start	08:10	Obs. end	14:00
Observed regions		Remarks	
12492, 12494		B9.3 (12494) 08:50 UTC	
Weather			
Note	Blurry picture		
Final mark	2-3		

Date: 19.02.2016			
Obs. start	08:40	Obs. end	13:40
Observed regions		Remarks	
12501, filament		White spots, moving filaments	
Weather	Foggy in the morning, clouds occasionally		
Note			
Final mark	1-2		

Date: 15.03.2016			
Obs. start	07:50	Obs. end	13:45
Observed regions		Remarks	
12522, 12521		White spots	
Weather	High clouds in the afternoon		
Note			
Final mark	2		

Date: 17.03.2016			
Obs. start	07:40	Obs. end	14:20
Observed regions		Remarks	
12524		White spots	
Weather	Bura wind, strong turbulences in the morning		
Note			
Final mark	2		

Date: 18.03.2016			
Obs. start	07:45	Obs. end	14:25
Observed regions		Remarks	

12524		White spots, moving filaments
Weather		
Note		
Final mark	2-3	

Date: 25.03.2016			
Obs. start	08:15	Obs. end	11:45
Observed regions		Remarks	
E(12526)		No activity, moving filaments	
Weather	Clouds occasionally		
Note			
Final mark	2		

Date: 04.04.2016			
Obs. start	08:45	Obs. end	14:00
Observed regions		Remarks	
12526		White spots	
Weather	Foggy		
Note			
Final mark	2		

Date: 05.04.2016			
Obs. start	08:40	Obs. end	13:35
Observed regions		Remarks	
12528, prominence(SW)		B4.6 (12528) 07:37 UTC, prominence	
Weather			
Note			
Final mark	3		

Date: 06.04.2016			
Obs. start	08:00	Obs. end	13:55
Observed regions		Remarks	
12528		White spots, moving filaments	
Weather	High clouds occasionally		
Note			
Final mark	2		

Date: 07.04.2016			
Obs. start	08:10	Obs. end	12:05
Observed regions		Remarks	
12529		Small eruptions, prominences (limb)	
Weather			
Note	Good picture		
Final mark	3		

Date: 11.04.2016			
Obs. start	08:00	Obs. end	14:15
Observed regions		Remarks	
12529		White spots, moving filaments	
Weather			
Note	Good picture		
Final mark	3		

Date: 15.04.2016			
Obs. start	08:23	Obs. end	13:50
Observed regions		Remarks	
12529		B7.7 (12529) 06:26 UTC B8.3 (12529) 09:28 UTC	
Weather	Windy		
Note			
Final mark	3		

Date: 19.04.2016			
Obs. start	08:20	Obs. end	09:00
Observed regions		Remarks	
12529		No activity	
Weather	High clouds, strong SE wind (jugo)		
Note			
Final mark	1-2		

Date: 20.04.2016			
Obs. start	08:10	Obs. end	14:00
Observed regions		Remarks	
12529		Prominences and activity on the edge	

Weather	NE wind (bura)
Note	Blurry picture in the morning
Final mark	2

Date: 21.04.2016			
Obs. start	08:25	Obs. end	14:01
Observed regions		Remarks	
12533		No activity	
Weather			
Note			
Final mark	1-2		

Date: 26.04.2016			
Obs. start	08:00	Obs. end	14:05
Observed regions		Remarks	
12535		B3.5 (12535) 06:16 UTC B4.0 (12535) 07:01 UTC B5.7 (12535) 11:44 UTC	
Weather			
Note			
Final mark	3		

Date: 09.05.2016			
Obs. start	13:03	Obs. end	17:02
Observed regions		Remarks	
Transit of Mercury			
Weather			
Note			
Final mark	4		

Date: 18.05.2016			
Obs. start	07:35	Obs. end	11:35
Observed regions		Remarks	
12546		No activity	
Weather			
Note			
Final mark	2		

Date: 30.05.2016			
Obs. start	08:25	Obs. end	14:20
Observed regions		Remarks	
12459		C1.4 (12459) 07:37 UTC B3.0 (12459) 12:12 UTC	
Weather	Clouds occasionally		
Note			
Final mark	3		

Date: 06.06.2016			
Obs. start	08:45	Obs. end	13:25
Observed regions		Remarks	
Filament		No activity	
Weather			
Note			
Final mark	1-2		

Date: 20.06.2016			
Obs. start	11:10	Obs. end	13:55
Observed regions		Remarks	
12558		No activity	
Weather			
Note	Blurry picture occasionally		
Final mark	2		

Date: 24.06.2016			
Obs. start	09:35	Obs. end	12:00
Observed regions		Remarks	
12557		No activity	
Weather			
Note			
Final mark	1-2		

Date: 27.06.2016			
Obs. start	08:50	Obs. end	12:40
Observed regions		Remarks	
12556		No activity	
Weather	Clouds occasionally		
Note			

Final mark	2
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Date: 29.06.2016			
Obs. start	10:50	Obs. end	14:00
Observed regions		Remarks	
E, filament		Moving filament	
Weather			
Note			
Final mark	2		

Date: 01.07.2016			
Obs. start	09:30	Obs. end	14:20
Observed regions		Remarks	
Large filament		No activity	
Weather			
Note			
Final mark	1-2		

Date: 04.07.2016			
Obs. start	08:00	Obs. end	14:20
Observed regions		Remarks	
W		No activity	
Weather	NE (bura) wind		
Note	Seagull at 11:32 UTC (HA)		
Final mark	1-2		

Date: 05.07.2016			
Obs. start	08:20	Obs. end	09:20
Observed regions		Remarks	
W		No activity	
Weather			
Note			
Final mark	1-2		

Date: 06.07.2016			
Obs. start	09:00	Obs. end	10:36
Observed regions		Remarks	
12560		No activity	

Weather	Clouds in the afternoon
Note	
Final mark	1-2

Date: 07.07.2016			
Obs. start	09:30	Obs. end	15:20
Observed regions		Remarks	
12561		C5.1 (12561) 07:56 UTC	
Weather			
Note	Blurry picture occasionally		
Final mark	3-4		

Date: 08.07.2016			
Obs. start	09:05	Obs. end	14:30
Observed regions		Remarks	
12561		White spots	
Weather	High clouds in the afternoon		
Note			
Final mark	2-3		

Date: 11.07.2016			
Obs. start	08:00	Obs. end	14:00
Observed regions		Remarks	
12564		Prominences on the edge	
Weather	Turbulences		
Note	Blurry picture occasionally		
Final mark	2-3		

Date: 12.07.2016			
Obs. start	08:20	Obs. end	12:45
Observed regions		Remarks	
12564		No activity	
Weather			
Note			
Final mark	2		

Date: 13.07.2016			
Obs. start	07:45	Obs. end	14:00

Observed regions		Remarks
12564		Moving filaments
Weather		
Note		
Final mark	2	

Date: 18.07.2016			
Obs. start	07:50	Obs. end	14:05
Observed regions		Remarks	
12567		C4.4 (12567) 08:23 UTC	
Weather	NE (bura) wind		
Note			
Final mark	4		

Date: 19.07.2016			
Obs. start	08:20	Obs. end	14:15
Observed regions		Remarks	
12567		C2.3(12567) 11:52 UTC	
Weather			
Note			
Final mark	3		

Date: 20.07.2016			
Obs. start	08:00	Obs. end	14:40
Observed regions		Remarks	
12567		B6.6 (12567) 08:20 UTC	
Weather	Turbulences		
Note	Blurry picture occasionally		
Final mark	2-3		

Date: 21.07.2016			
Obs. start	09:20	Obs. end	14:17
Observed regions		Remarks	
12567/12565		B6.6 (12567) 09:08 UTC C1.0 (12567) 09:44 UTC C7.2 (12565) 11:19 UTC	
Weather			
Note			
Final mark	4		

Date: 26.07.2016			
Obs. start	07:35	Obs. end	14:05
Observed regions		Remarks	
12569		Few white spots	
Weather	Clouds in the afternoon		
Note			
Final mark	1-2		

Date: 08.08.2016			
Obs. start	08:15	Obs. end	12:55
Observed regions		Remarks	
12571		Small flare (12571) 06:26 UTC	
Weather	Foggy, turbulence		
Note			
Final mark	2-3		

Date: 09.08.2016			
Obs. start	08:15	Obs. end	13:40
Observed regions		Remarks	
12573/12574		C2.5 (12573) 08:55 UTC	
Weather			
Note	Blurry picture occasionally		
Final mark	3-4		

Date: 10.08.2016			
Obs. start	07:50	Obs. end	13:40
Observed regions		Remarks	
12573/12574		Small flares, erupting filaments, white spots	
Weather			
Note			
Final mark	3		

Date: 23.08.2016			
Obs. start	08:30	Obs. end	10:50
Observed regions		Remarks	
12579		No activity	

Weather	High clouds, turbulences
Note	Very blurry picture
Final mark	1-2

Date: 26.08.2016			
Obs. start	08:50	Obs. end	11:00
Observed regions		Remarks	
12581		White spots, moving filaments, small flares	
Weather			
Note			
Final mark	3		

Date: 29.08.2016			
Obs. start	08:00	Obs. end	10:10
Observed regions		Remarks	
12583		White spots, moving filaments	
Weather	High humidity		
Note			
Final mark	2-3		

Date: 30.08.2016			
Obs. start	08:10	Obs. end	14:30
Observed regions		Remarks	
12585		C1.0 (12585) 10:06 UTC	
Weather	High humidity		
Note			
Final mark	3		

Date: 31.08.2016			
Obs. start	08:00	Obs. end	09:55
Observed regions		Remarks	
12585		White spots	
Weather	Foggy, high humidity, clouds occasionally		
Note			
Final mark	2		

Date: 01.09.2016			
Obs. start	08:45	Obs. end	12:45
Observed regions		Remarks	
12585		White spots	
Weather	Foggy, clouds occasionally		
Note			
Final mark	2		

Date: 02.09.2016			
Obs. start	08:10	Obs. end	13:00
Observed regions		Remarks	
12585		Small flares, white spots, moving filaments	
Weather	Foggy, turbulence		
Note			
Final mark	3		

Date: 06.09.2016			
Obs. start	09:00	Obs. end	12:35
Observed regions		Remarks	
12585		Few white spots	
Weather	Clouds occasionally, turbulences		
Note	Blurry and bad picture		
Final mark	2		

Date: 08.09.2016			
Obs. start	08:10	Obs. end	13:25
Observed regions		Remarks	
12585		Small flares & eruptions, moving filaments	
Weather			
Note	Blurry picture		
Final mark	2-3		

Date: 15.09.2016			
Obs. start	08:10	Obs. end	14:10
Observed regions		Remarks	
12591		No activity	
Weather	Foggy, clouds occasionally		

Note	
Final mark	1-2

Date: 16.09.2016			
Obs. start	08:30	Obs. end	12:15
Observed regions		Remarks	
12591		No activity	
Weather	Foggy in the morning, SE (jugo) wind, turbulences, clouds occasionally		
Note			
Final mark	1		

Date: 20.09.2016			
Obs. start	09:15	Obs. end	14:05
Observed regions		Remarks	
12595		White spots, moving filaments	
Weather	NE (bura) wind		
Note	Blurry picture occasionally		
Final mark	2		

Date: 22.09.2016			
Obs. start	08:40	Obs. end	14:15
Observed regions		Remarks	
12595		B9.7 (12595) 06:50 UTC	
Weather	NE (bura) wind, turbulences		
Note	Blurry picture in the afternoon		
Final mark	2-3		

Date: 26.09.2016			
Obs. start	10:55	Obs. end	13:30
Observed regions		Remarks	
12597		White spots	
Weather	Clouds in the afternoon		
Note	Blurry picture		
Final mark	2		

Date: 27.09.2016			
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Obs. start	08:25	Obs. end	14:15
Observed regions		Remarks	
12597		C1.0 (12597) 07:48 UTC	
Weather			
Note			
Final mark	3		

Date: 28.09.2016			
Obs. start	08:05	Obs. end	13:05
Observed regions		Remarks	
12597		White spots, moving filaments	
Weather			
Note			
Final mark	2-3		

Date: 30.09.2016			
Obs. start	09:25	Obs. end	13:10
Observed regions		Remarks	
12597		Prominences on the west edge	
Weather			
Note			
Final mark	2		

Date: 04.10.2016			
Obs. start	09:30	Obs. end	13:25
Observed regions		Remarks	
12599		No activity	
Weather			
Note			
Final mark	2-3		

Date: 12.10.2016			
Obs. start	08:05	Obs. end	14:10
Observed regions		Remarks	
12599		C1.1 (12599) 11:56 UTC	
Weather	NE (bura) wind		
Note	Blurry picture		
Final mark	3-4		

Date: 13.10.2016			
Obs. start	09:40	Obs. end	13:55
Observed regions		Remarks	
12599		Smaller eruption (12599) 07:47 UTC	
Weather	Clouds in the morning		
Note			
Final mark	3		

Date: 08.12.2016			
Obs. start	12:15	Obs. end	15:03
Observed regions		Remarks	
12615		No activity	
Weather			
Note	ALMA campaign		
Final mark	2		

Date: 10.12.2016			
Obs. start	13:30	Obs. end	15:05
Observed regions		Remarks	
458", 357"		No activity	
Weather	N (tramontana) wind		
Note	ALMA campaign		
Final mark	1		

Date: 11.12.2016			
Obs. start	13:31	Obs. end	15:00
Observed regions		Remarks	
1030, -115 (W limb)		No activity	
Weather			
Note			
Final mark	1		

Date: 13.12.2016			
Obs. start	11:22	Obs. end	15:05
Observed regions		Remarks	
12617, West limb, East limb (-978, 210)		No activity	
Weather			
Note	ALMA campaign		

Final mark	1-2
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Date: 14.12.2016			
Obs. start	11:35	Obs. end	12:15
Observed regions		Remarks	
South limb (0, -980)		No activity	
Weather	Clouds from 12:15		
Note	ALMA campaign		
Final mark	1-2		

Date: 16.12.2016			
Obs. start	11:35	Obs. end	15:01
Observed regions		Remarks	
(0, 254)		No activity	
Weather			
Note	Blurry picture, ALMA campaign		
Final mark	1		

Date: 17.12.2016			
Obs. start	13:15	Obs. end	15:01
Observed regions		Remarks	
(990, 0)		No activity	
Weather			
Note	ALMA campaign		
Final mark	1		