

# **HVAR SOLAR TELESCOPE**

**Observer logbook**

**2017**

## Notes:

- All observation times are in local time (Hvar)
  - from **26.03.2017** summer time: UTC **+2h**
  - from **29.10.2017** 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: 10.01.2017			
Obs. start	11:27	Obs. end	12:20
Observed regions			Remarks
12624			No activity
Weather	Very cold, blurry picture,		
Note			
Final mark	1-2		

Date: 11.01.2017			
Obs. start	08:45	Obs. end	13:50
Observed regions			Remarks
12624			No activity
Weather	Very cold		
Note			
Final mark	2		

Date: 25.01.2017			
Obs. start	09:15	Obs. end	14:30
Observed regions			Remarks
12629			B4.0 (12629) 09:48 UTC, white spots
Weather			
Note			
Final mark	3		

Date: 26.01.2017			
Obs. start	08:50	Obs. end	14:35
Observed regions			Remarks
12629			Small eruption 12:20 UTC (12629), white spots
Weather			
Note	Good picture quality		
Final mark	3		

Date: 08.02.2017			
Obs. start	08:43	Obs. end	13:50
Observed regions			Remarks
12634			No activity
Weather	E wind, cloudy		

Note	
Final mark	1-2

Date: 09.02.2017			
Obs. start	10:05	Obs. end	13:40
Observed regions			Remarks
12634			No activity
Weather	SE (jugo) wind, cloudy		
Note			
Final mark	1-2		

Date: 22.02.2017			
Obs. start	09:10	Obs. end	14:00
Observed regions			Remarks
12638			No activity, small white spots
Weather	Clouds from time to time		
Note			
Final mark	2-3		

Date: 02.03.2017			
Obs. start	08:30	Obs. end	13:05
Observed regions			Remarks
12638			No activity
Weather	Clear weather in the morning, cloudy in the afternoon, NE (bura) wind		
Note			
Final mark	2		

Date: 03.03.2017			
Obs. start	09:00	Obs. end	10:55
Observed regions			Remarks
12641/12642			No activity
Weather	Clear sky		
Note			
Final mark	2		

Date: 28.03.2017			
Obs. start	09:00	Obs. end	13:40
Observed regions			Remarks

12645	C1.1 (12645) 07:19 UTC, C1.0 (12645) 10:01 UTC few smaller eruptions
Weather	
Note	
Final mark	4

Date: 31.03.2017			
Obs. start	09:00	Obs. end	13:30
Observed regions			Remarks
12645			Small white spots
Weather	Blurry picture		
Note			
Final mark	2-3		

Date: 11.04.2017			
Obs. start	11:15	Obs. end	13:50
Observed regions			Remarks
12650			No activity
Weather	High clouds in the morning		
Note			
Final mark	2-3		

Date: 12.04.2017			
Obs. start	10:40	Obs. end	11:50
Observed regions			Remarks
12650			No activity
Weather			
Note			
Final mark	1-2		

Date: 14.04.2017			
Obs. start	09:05	Obs. end	12:50
Observed regions			Remarks
12650			No activity, few white spots
Weather			
Note			
Final mark	1-2		

Date: 18.04.2017			
Obs. start	08:25	Obs. end	10:10
Observed regions		Remarks	
12650		No activity	
Weather	Cloudy		
Note			
Final mark	1-2		

Date: 19.04.2017			
Obs. start	09:40	Obs. end	11:40
Observed regions		Remarks	
12651		Small eruption	
Weather	Clouds in the morning, N (tramontana) wind		
Note			
Final mark	2-3		

Date: 24.04.2017			
Obs. start	08:15	Obs. end	14:25
Observed regions		Remarks	
12651		No activity	
Weather	wind		
Note			
Final mark	2-3		

Date: 03.05.2017			
Obs. start	09:20	Obs. end	11:12
Observed regions		Remarks	
12654		No activity	
Weather	Clouds in the afternoon		
Note			
Final mark	1-2		

Date: 04.05.2017			
Obs. start	09:15	Obs. end	13:00
Observed regions		Remarks	
12654			
Weather	Clouds occasionally		

Note	
Final mark	2

Date: 05.05.2017			
Obs. start	11:00	Obs. end	14:25
Observed regions		Remarks	
12654, 12655		No activity	
Weather	Rain in the morning		
Note			
Final mark	2		

Date: 15.05.2017			
Obs. start	10:45	Obs. end	13:10
Observed regions		Remarks	
E		No activity	
Weather	Cloudy in the morning		
Note			
Final mark	2		

Date: 22.05.2017			
Obs. start	09:10	Obs. end	14:40
Observed regions		Remarks	
12658		No activity, filament	
Weather			
Note			
Final mark	2-3		

Date: 23.05.2017			
Obs. start	09:05	Obs. end	14:15
Observed regions		Remarks	
12658, W limb		Prominences on the west side of the limb	
Weather			
Note			
Final mark	2-3		

Date: 01.06.2017			
Obs. start	08:45	Obs. end	13:08

Observed regions		Remarks	
12661		C1.4 (12661) 07:53 UTC, C2.5 (12661) 09:25 UTC, small eruptions	
Weather			
Note			
Final mark	3-4		

Date: 02.06.2017			
Obs. start	08:00	Obs. end	13:55
Observed regions		Remarks	
12661		B4.6 (12661) 09:53 UTC	
Weather			
Note			
Final mark	3		

Date: 05.06.2017			
Obs. start	10:35	Obs. end	14:30
Observed regions		Remarks	
12661		C1.2 (12661) 09:55 UTC B3.6 (12661 ) 11:37 UTC	
Weather			
Note			
Final mark	3-4		

Date: 07.06.2017			
Obs. start	09:10	Obs. end	14:10
Observed regions		Remarks	
12661, W limb		Small prominence on the W limb	
Weather	Cloudy In the morning		
Note			
Final mark	2-3		

Date: 12.06.2017			
Obs. start	08:20	Obs. end	13:30
Observed regions		Remarks	
E limb		No activity	
Weather			



Note	
Final mark	2-3

Date: 20.06.2017			
Obs. start	08:20	Obs. end	14:10
Observed regions		Remarks	
E, 12663		Small eruption on E limb	
Weather			
Note			
Final mark	3		

Date: 21.06.2017			
Obs. start	09:00	Obs. end	11:30
Observed regions		Remarks	
Large filament		No activity	
Weather	Blurry picture occasionally		
Note			
Final mark	2		

Date: 26.06.2017			
Obs. start	10:59	Obs. end	14:35
Observed regions		Remarks	
12664		No activity	
Weather			
Note			
Final mark	2-3		

Date: 27.06.2017			
Obs. start	08:05	Obs. end	14:15
Observed regions		Remarks	
12664		No activity	
Weather	Foggy, clouds occasionally, wind		
Note			
Final mark	2-3		

Date: 03.07.2017			
Obs. start	08:50	Obs. end	14:15
Observed regions		Remarks	

W limb		Eruptions on W limb
Weather	NW (tramontana) wind, blurry picture	
Note		
Final mark	3	

Date: 05.07.2017			
Obs. start	08:35	Obs. end	11:05
Observed regions		Remarks	
Filament		No activity	
Weather			
Note			
Final mark	2		

Date: 06.07.2017			
Obs. start	08:10	Obs. end	14:15
Observed regions		Remarks	
12665		White spots	
Weather			
Note			
Final mark	3		

Date: 07.07.2017			
Obs. start	08:10	Obs. end	14:15
Observed regions		Remarks	
12665		White spots	
Weather			
Note			
Final mark	3-4		

Date: 10.07.2017			
Obs. start	08:20	Obs. end	10:35
Observed regions		Remarks	
12665		Small flare (12665) 07:53 UTC, few smaller flares	
Weather	Clouds occasionally		
Note			
Final mark	3-4		

Date: 11.07.2017			
Obs. start	08:40	Obs. end	13:50
Observed regions		Remarks	
12665		Moving filaments	
Weather	Blurry picture occasionally		
Note			
Final mark	2-3		

Date: 12.07.2017			
Obs. start	08:35	Obs. end	11:00
Observed regions		Remarks	
12665		White spots	
Weather			
Note			
Final mark	2		

Date: 13.07.2017			
Obs. start	07:50	Obs. end	12:55
Observed regions		Remarks	
12665, filament		No activity	
Weather	Clouds occasionally, blurry		
Note			
Final mark	2		

Date: 18.07.2017			
Obs. start	09:00	Obs. end	13:50
Observed regions		Remarks	
12665		C1.7 (12665) 08:29 UTC, prominences on the limb	
Weather			
Note			
Final mark	3		

Date: 19.07.2017			
Obs. start	09:20	Obs. end	10:30
Observed regions		Remarks	
E		No activity	
Weather			
Note			

Final mark	1-2
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Date: 20.07.2017			
Obs. start	10:25	Obs. end	12:00
Observed regions		Remarks	
E limb, filament		No activity	
Weather			
Note			
Final mark	2		

Date: 25.07.2017			
Obs. start	10:10	Obs. end	14:10
Observed regions		Remarks	
E		No activity	
Weather	Blurry picture		
Note			
Final mark	2		

Date: 26.07.2017			
Obs. start	12:30	Obs. end	14:30
Observed regions		Remarks	
12668		No activity	
Weather	Blurry picture occasionally		
Note			
Final mark	1-2		

Date: 27.07.2017			
Obs. start	08:20	Obs. end	14:15
Observed regions		Remarks	
W, 12668		No activity	
Weather			
Note			
Final mark	1-2		

Date: 31.07.2017			
Obs. start	08:00	Obs. end	13:50
Observed regions		Remarks	
12669		No activity	

Weather	
Note	
Final mark	2

Date: 01.08.2017			
Obs. start	07:50	Obs. end	14:10
Observed regions		Remarks	
12670		C1.4 (12670) 07:47 UTC	
Weather	Occasionally blurry picture		
Note			
Final mark	3-4		

Date: 02.08.2017			
Obs. start	08:00	Obs. end	14:10
Observed regions		Remarks	
12670		White spots	
Weather			
Note			
Final mark	2-3		

Date: 03.08.2017			
Obs. start	09:30	Obs. end	13:37
Observed regions		Remarks	
12670		No activity	
Weather	Very hot		
Note			
Final mark	2-3		

Date: 04.08.2017			
Obs. start	07:45	Obs. end	13:40
Observed regions		Remarks	
12670		No activity, white spots	
Weather			
Note			
Final mark	2-3		

Date: 07.08.2017			
Obs. start	09:15	Obs. end	14:05

Observed regions		Remarks
12670		No activity
Weather		
Note	Blurry, bad picture occasionally	
Final mark	2	

Date: 09.08.2017			
Obs. start	10:20	Obs. end	14:10
Observed regions		Remarks	
12670		No activity	
Weather	Small turbulences, wind		
Note			
Final mark	2-3		

Date: 10.08.2017			
Obs. start	08:00	Obs. end	12:20
Observed regions		Remarks	
12670		No activity	
Weather	windy		
Note	No photosphere observations (problem with computer)		
Final mark	2-3		

Date: 17.08.2017			
Obs. start	09:00	Obs. end	14:15
Observed regions		Remarks	
12671		B flare (12671) 08:42 UTC B flare (12671) 11:41 UTC Filament moving	
Weather	Foggy in the morning, blurry picture occasionally		
Note			
Final mark	3		

Date: 18.08.2017			
Obs. start	08:30	Obs. end	12:45
Observed regions		Remarks	
12671		B9.5 (12671) 08:52 UTC	
Weather			
Note			
Final mark	3-4		

Date: 21.08.2018			
Obs. start	08:30	Obs. end	12:20
Observed regions		Remarks	
12671		Small eruption	
Weather	NE (bura) wind, turbulences		
Note	Forrest fire near Stari Grad		
Final mark	2-3		

Date: 22.08.2017			
Obs. start	09:08	Obs. end	14:10
Observed regions		Remarks	
12671		B6.3 (12671) 07:08 UTC C1.0 (12671) 11:13 UTC	
Weather	NE (bura) wind, turbulences		
Note	Blurry picture		
Final mark	3-4		

Date: 23.08.2017			
Obs. start	09:40	Obs. end	15:30
Observed regions		Remarks	
12671		No activity	
Weather			
Note			
Final mark	2-3		

Date: 24.08.2017			
Obs. start	08:20	Obs. end	14:06
Observed regions		Remarks	
12671		White spots	
Weather			
Note			
Final mark	2-3		

Date: 25.08.2017			
Obs. start	08:05	Obs. end	10:40
Observed regions		Remarks	
12671, 12672		Moving filaments, white spots	

Weather	
Note	
Final mark	3

Date: 28.08.2017			
Obs. start	08:20	Obs. end	14:15
Observed regions		Remarks	
12672		Moving (erupting) filaments	
Weather			
Note			
Final mark	2-3		

Date: 30.08.2017			
Obs. start	08:00	Obs. end	13:45
Observed regions		Remarks	
12674		C1.3 (12674) 08:35 UTC Small eruptions	
Weather	Blurry picture occasionally		
Note			
Final mark	3		

Date: 31.08.2017			
Obs. start	08:10	Obs. end	14:15
Observed regions		Remarks	
12674		Small eruptions, moving filaments	
Weather	Turbulences occasionally		
Note			
Final mark	2-3		

Date: 04.09.2017			
Obs. start	07:57	Obs. end	11:50
Observed regions		Remarks	
12673		M1.2 (12673) 05:49 UTC (end) – start of observations at 5:57 UTC C2.9 (12673) 08:19 UTC	
Weather	Turbulences		
Note	Blurry picture		



Final mark	4
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Date: 05.09.2017			
Obs. start	08:00	Obs. end	12:35
Observed regions		Remarks	
12673		M3.8 (12673) 06:40 UTC C5.4 (12673) 10:19 UTC	
Weather	Clouds		
Note	Blurry picture		
Final mark	4		

Date: 06.09.2017			
Obs. start	08:30	Obs. end	13:35
Observed regions		Remarks	
12673		White spots, C2.7 (12673) 07:34 UTC X2.2 (12673) 09:10 UTC	
Weather	Turbulences		
Note	Blurry picture occasionally		
Final mark	4-5		

Date: 11.10.2017			
Obs. start	09:30	Obs. end	11:46
Observed regions		Remarks	
NW limb		No activity	
Weather	Cloudy		
Note			
Final mark	1-2		

Date: 19.10.2017			
Obs. start	10:15	Obs. end	14:45
Observed regions		Remarks	
Large filament		No activity	
Weather			
Note			
Final mark	2		

Date: 25.10.2017			
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Obs. start	08:50	Obs. end	14:10
Observed regions		Remarks	
12686, 12685		No activity	
Weather	NW (bura) wind		
Note	Very blurry picture		
Final mark	1-2		

Date: 26.10.2017			
Obs. start	08:50	Obs. end	14:10
Observed regions		Remarks	
12685		No activity, filament	
Weather	High clouds occasionally		
Note			
Final mark	2-3		

Date: 27.10.2017			
Obs. start	08:50	Obs. end	12:00
Observed regions		Remarks	
12686		Filament movement	
Weather			
Note			
Final mark	2		

Date: 20.11.2017			
Obs. start	10:25	Obs. end	12:15
Observed regions		Remarks	
12688		No activity	
Weather			
Note			
Final mark	2		

Date: 21.11.2017			
Obs. start	10:15	Obs. end	13:50
Observed regions		Remarks	
12687		No activity	
Weather	Clouds occasionally		
Note			
Final mark	2		

Date: 22.11.2017			
Obs. start	09:00	Obs. end	13:05
Observed regions			Remarks
12687, filament			No activity
Weather			
Note			
Final mark	2-3		

Date: 23.11.2017			
Obs. start	08:55	Obs. end	14:15
Observed regions			Remarks
filament			No activity
Weather			
Note			
Final mark	2		

Date: 28.11.2017			
Obs. start	10:20	Obs. end	13:45
Observed regions			Remarks
12689			No activity
Weather	Blurry picture		
Note			
Final mark	2		