

HVAR SOLAR TELESCOPE

Observer logbook

2018

Notes:

- All observation times are in local time (Hvar)
 - from **25.03.2018** summer time: UTC **+2h**
 - from **28.10.2018** winter time: UTC **+1h**
- No photosphere observations on 28.6., 29.6., 11.7. and 26.7.

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: 18.01.2018			
Obs. start	09:10	Obs. end	14:15
Observed regions		Remarks	
12696		B4.0 (12696) 08:13 UTC B1.2 (12696) 09:57 UTC	
Weather	Clouds occasionally		
Note	Blurry picture		
Final mark	3		

Date: 24.01.2018			
Obs. start	09:20	Obs. end	12:25
Observed regions		Remarks	
12696		Small protuberance	
Weather	Clouds occasionally		
Note			
Final mark	2		

Date: 26.01.2018			
Obs. start	09:15	Obs. end	11:50
Observed regions		Remarks	
12696		No activity	
Weather			
Note			
Final mark	2		

Date: 31.01.2018			
Obs. start	08:50	Obs. end	10:10
Observed regions		Remarks	
12697		No activity	
Weather	High humidity in the morning, clouds		
Note			
Final mark	1-2		

Date: 05.02.2018			
Obs. start	08:35	Obs. end	14:10
Observed regions		Remarks	
12699		Moving filaments, white spots	
Weather	Clouds		
Note	Blurry picture		

Final mark	2-3
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Date: 14.02.2018			
Obs. start	08:50	Obs. end	14:00
Observed regions			Remarks
12699			No activity
Weather	Clouds		
Note	Bad picture		
Final mark	2		

Date: 15.02.2018			
Obs. start	09:25	Obs. end	14:00
Observed regions			Remarks
12699			No activity, white spots
Weather	Turbulences		
Note	Blurry picture		
Final mark	2		

Date: 16.02.2018			
Obs. start	08:55	Obs. end	14:10
Observed regions			Remarks
12699			No activity
Weather	Turbulences		
Note	Blurry picture		
Final mark	2		

Date: 07.03.2018			
Obs. start	10:15	Obs. end	13:50
Observed regions			Remarks
12700			No activity
Weather	SE (jugo) wind		
Note			
Final mark	2		

Date: 06.04.2018			
Obs. start	08:25	Obs. end	11:35
Observed regions			Remarks
12703			No activity

Weather	High clouds
Note	Blurry picture
Final mark	1-2

Date: 10.04.2018			
Obs. start	08:40	Obs. end	14:05
Observed regions		Remarks	
12703		No activity	
Weather	SE (jugo) wind, turbulences		
Note			
Final mark	2		

Date: 20.04.2018			
Obs. start	08:10, 14:00	Obs. end	10:45, 14:10
Observed regions		Remarks	
12706		Small white spots	
Weather			
Note			
Final mark	2-3		

Date: 23.04.2018			
Obs. start	08:25	Obs. end	14:35
Observed regions		Remarks	
12706		No activity	
Weather			
Note			
Final mark	2-3		

Date: 24.04.2018			
Obs. start	08:45	Obs. end	13:55
Observed regions		Remarks	
12706		No activity	
Weather			
Note			
Final mark	2-3		

Date: 25.04.2018			
Obs. start	09:05	Obs. end	14:00

Observed regions		Remarks
12706		No activity
Weather		
Note		
Final mark	2-3	

Date: 26.04.2018			
Obs. start	08:15	Obs. end	14:05
Observed regions		Remarks	
12706		No activity	
Weather			
Note			
Final mark	2-3		

Date: 07.05.2018			
Obs. start	10:05	Obs. end	14:10
Observed regions		Remarks	
12708		No activity	
Weather	Clouds occasionally,		
Note			
Final mark	2		

Date: 18.05.2018			
Obs. start	08:20	Obs. end	14:30
Observed regions		Remarks	
12709		No activity	
Weather	Clouds occasionally, blurry picture		
Note			
Final mark	1-2		

Date: 24.05.2018			
Obs. start	09: 50	Obs. end	14:20
Observed regions		Remarks	
12711		No activity	
Weather	Clouds		
Note			
Final mark	1-2		

Date: 25.05.2018			
Obs. start	08:50	Obs. end	12:00
Observed regions			Remarks
12711			No activity
Weather			
Note			
Final mark	1-2		

Date: 29.05.2018			
Obs. start	09:30	Obs. end	14:15
Observed regions			Remarks
12712			No activity
Weather	Clouds occasionally, blurry picture		
Note			
Final mark	2		

Date: 04.06.2018			
Obs. start	09:10	Obs. end	11:00
Observed regions			Remarks
12712			Small white spot
Weather			
Note			
Final mark	2-3		

Date: 07.06.2018			
Obs. start	08:45	Obs. end	13:00
Observed regions			Remarks
E limb			No activity
Weather			
Note			
Final mark	2		

Date: 12.06.2018			
Obs. start	10:30	Obs. end	13:50
Observed regions			Remarks
E limb			No activity
Weather			
Note			
Final mark	2		

Date: 20.06.2018			
Obs. start	10:40	Obs. end	12:25
Observed regions		Remarks	
12715		Small white spot	
Weather			
Note			
Final mark	2-3		

Date: 26.06.2018			
Obs. start	11:10	Obs. end	12:20
Observed regions		Remarks	
12715		No activity	
Weather	Blurry picture		
Note			
Final mark	2		

Date: 28.06.2018			
Obs. start	09:13	Obs. end	13:00
Observed regions		Remarks	
12715		No activity	
Weather	NE (bura) wind, clouds occasionally		
Note	No photosphere observations (problems with computer)		
Final mark	2		

Date: 29.06.2018			
Obs. start	09:20	Obs. end	11:40
Observed regions		Remarks	
W limb		No activity	
Weather	NE (bura) wind		
Note	No photosphere observations (problems with computer)		
Final mark	2		

Date: 02.07.2018			
Obs. start	10:30	Obs. end	12:35
Observed regions		Remarks	
E		No activity	
Weather	SE (jugo) wind, turbulences, blurry picture		

Note	
Final mark	2

Date: 05.07.2018			
Obs. start	09:15	Obs. end	12:45
Observed regions			Remarks
E limb			No activity
Weather	Blurry picture		
Note			
Final mark	2		

Date: 06.07.2018			
Obs. start	07:49	Obs. end	14:00
Observed regions			Remarks
E limb			No activity
Weather	High humidity, clouds in the morning		
Note			
Final mark	2		

Date: 10.07.2018			
Obs. start	07:50	Obs. end	14:00
Observed regions			Remarks
E limb			No activity
Weather			
Note			
Final mark	2-3		

Date: 11.07.2018			
Obs. start	09:00	Obs. end	14:20
Observed regions			Remarks
E limb			Moving filaments
Weather	Small turbulences		
Note	No photosphere observations		
Final mark	2		

Date: 12.07.2018			
Obs. start	08:00	Obs. end	13:40
Observed regions			Remarks

E	Small filament eruption
Weather	Blurry picture occasionally
Note	Tracker off
Final mark	2

Date: 13.07.2018			
Obs. start	08:15	Obs. end	13:55
Observed regions		Remarks	
E	No activity		
Weather			
Note	Tracker on		
Final mark	2		

Date: 16.07.2018			
Obs. start	07:35	Obs. end	12:40
Observed regions		Remarks	
E limb	No activity		
Weather	Clouds occasionally, blurry picture		
Note	Tracker on		
Final mark	2		

Date: 18.07.2018			
Obs. start	07:50	Obs. end	13:40
Observed regions		Remarks	
E limb	Small white spot		
Weather	NE (bura) wind		
Note	Tracker on		
Final mark	2-3		

Date: 19.07.2018			
Obs. start	07:45	Obs. end	13:55
Observed regions		Remarks	
E	Moving filaments		
Weather			
Note	Tracker on		
Final mark	2		

Date: 20.07.2018			
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Obs. start	08:05	Obs. end	13:30
Observed regions		Remarks	
E limb		No activity	
Weather			
Note	Tracker off		
Final mark	2		

Date: 24.07.2018			
Obs. start	10:55	Obs. end	13:35
Observed regions		Remarks	
12716		No activity	
Weather	Strong N wind		
Note	Tracker on		
Final mark	2		

Date: 26.07.2018			
Obs. start	08:35	Obs. end	14:00
Observed regions		Remarks	
E limb		No activity	
Weather	NE (bura) wind		
Note	Tracker on, no photosphere observation		
Final mark	2		

Date: 27.07.2018			
Obs. start	10:20	Obs. end	11:30
Observed regions		Remarks	
W limb		No activity	
Weather			
Note	Tracker off		
Final mark	1-2		

Date: 30.07.2018			
Obs. start	08:15	Obs. end	11:45
Observed regions		Remarks	
E limb		No activity	
Weather	Blurry picture, clouds occasionally		
Note	Tracker off		
Final mark	2		

Date: 31.07.2018			
Obs. start	08:20	Obs. end	14:30
Observed regions		Remarks	
E		No activity	
Weather	Clouds occasionally		
Note	Tracker off		
Final mark	2		

Date: 01.08.2018			
Obs. start	08:35	Obs. end	14:25
Observed regions		Remarks	
E		Small white spot	
Weather	Very hot, high humidity		
Note	Tracker off		
Final mark	2-3		

Date: 02.08.2018			
Obs. start	08:00	Obs. end	13:55
Observed regions		Remarks	
12717		No activity	
Weather			
Note			
Final mark	2		

Date: 03.08.2018			
Obs. start	07:40	Obs. end	14:20
Observed regions		Remarks	
12717		No activity	
Weather			
Note	Tracker on		
Final mark	2		

Date: 06.08.2018			
Obs. start	07:40	Obs. end	14:20
Observed regions		Remarks	
E		No activity	
Weather	High humidity		
Note			
Final mark			

Date: 07.08.2018			
Obs. start	07:40	Obs. end	14:15
Observed regions		Remarks	
E		No activity	
Weather			
Note			
Final mark	2		

Date: 08.08.2018			
Obs. start	08:00	Obs. end	14:10
Observed regions		Remarks	
12717		No activity	
Weather			
Note			
Final mark	2		

Date: 09.08.2018			
Obs. start	07:50	Obs. end	13:50
Observed regions		Remarks	
12717		No activity	
Weather			
Note			
Final mark	2		

Date: 13.08.2018			
Obs. start	08:30	Obs. end	13:10
Observed regions		Remarks	
W		No activity	
Weather	Clouds occasionally		
Note			
Final mark	2		

Date: 14.08.2018			
Obs. start	08:05	Obs. end	10:40
Observed regions		Remarks	
W limb		No activity	
Weather	Clouds occasionally		

Note	Blurry picture,
Final mark	2

Date: 17.08.2018			
Obs. start	08:40	Obs. end	13:25
Observed regions		Remarks	
12718		Moving filament near sunspot	
Weather	Clouds occasionally		
Note			
Final mark	2-3		

Date: 20.08.2018			
Obs. start	08:20	Obs. end	14:20
Observed regions		Remarks	
12719		Small white spot, moving filaments, small eruption (11:56 UTC)	
Weather			
Note			
Final mark	3		

Date: 21.08.2018			
Obs. start	07:55	Obs. end	13:55
Observed regions		Remarks	
12719		Moving filaments, small eruption (8:50 UTC)	
Weather			
Note			
Final mark	3		

Date: 22.08.2018			
Obs. start	07:35	Obs. end	14:20
Observed regions		Remarks	
12719		Moving filaments, small flare (11:50 UTC)	
Weather			
Note	Bad tracking		
Final mark	3		

Date: 23.08.2018			
Obs. start	07:35	Obs. end	14:15
Observed regions		Remarks	
12719		Small white spots, moving filaments	
Weather	Clouds occasionally		
Note			
Final mark	3-4		

Date: 24.08.2018			
Obs. start	07:55	Obs. end	14:00
Observed regions		Remarks	
12719		Small white spots, moving filaments	
Weather	High clouds,		
Note			
Final mark	3-4		

Date: 27.08.2018			
Obs. start	08:45-10:20, 11:50	Obs. end	14:20
Observed regions		Remarks	
12720		No activity	
Weather	Heavy clouds in the morning		
Note	Blurry picture		
Final mark	2		

Date: 28.08.2018			
Obs. start	07:35-10:16, 12:03	Obs. end	14:10
Observed regions		Remarks	
12720		No activity	
Weather			
Note			
Final mark	2		

Date: 29.08.2018			
Obs. start	10:15	Obs. end	14:20
Observed regions		Remarks	
12720		No activity	
Weather			

Note	
Final mark	2

Date: 30.08.2018			
Obs. start	08:10	Obs. end	14:10
Observed regions			Remarks
12720			No activity
Weather			
Note			
Final mark	2		

Date: 05.09.2018			
Obs. start	11:15	Obs. end	15:20
Observed regions			Remarks
E limb			No activity
Weather	NE (bura) wind		
Note			
Final mark	2		

Date: 06.09.2018			
Obs. start	08:15, 11:25	Obs. end	08:30, 13:50
Observed regions			Remarks
E limb			No activity
Weather			
Note	Blurry picture		
Final mark	2		

Date: 07.09.2018			
Obs. start	08:10	Obs. end	12:15
Observed regions			Remarks
E limb			No activity
Weather	Thick clouds occasionally		
Note			
Final mark	2		

Date: 10.09.2018			
Obs. start	09:35	Obs. end	14:10
Observed regions			Remarks

12721		Moving filaments
Weather	High clouds (afternoon), blurry picture	
Note		
Final mark	2	

Date: 11.09.2018			
Obs. start	09:00	Obs. end	13:30
Observed regions		Remarks	
12721		Small eruptions (10:15 UTC), moving filaments	
Weather	NE (bura) wind, heavy clouds in the afternoon		
Note	Blurry picture,		
Final mark	3		

Date: 12.09.2018			
Obs. start	08:40	Obs. end	14:05
Observed regions		Remarks	
12722		No activity	
Weather	Small turbulences		
Note			
Final mark	2		

Date: 13.09:2018			
Obs. start	09:00	Obs. end	10:30
Observed regions		Remarks	
12722		No activity	
Weather	High clouds		
Note	Blurry picture		
Final mark	1		

Date: 17.09.2018			
Obs. start	08:30	Obs. end	13:30
Observed regions		Remarks	
12722		Moving filaments, white spots	
Weather	Clouds occasionally		
Note			
Final mark	2-3		

Date: 18.09.2018			
Obs. start	07:50	Obs. end	14:25
Observed regions		Remarks	
12722		No activity	
Weather	Thick clouds occasionally		
Note	Blurry picture		
Final mark	2		

Date: 19.09.2018			
Obs. start	11:00	Obs. end	14:10
Observed regions		Remarks	
12722		No activity	
Weather	Thick clouds occasionally		
Note			
Final mark	2		

Date: 20.09.2018			
Obs. start	08:15	Obs. end	13:20
Observed regions		Remarks	
Near center (N10W20)		No activity	
Weather	Thick clouds in the afternoon (from 12:30), blurry picture		
Note			
Final mark	1-2		

Date: 26.09.2018			
Obs. start	08:40	Obs. end	11:05
Observed regions		Remarks	
E limb		No activity	
Weather	NE wind (bora) wind, turbulences, bad picture		
Note			
Final mark	1-2		

Date: 27.09.2018			
Obs. start	08:10	Obs. end	14:10
Observed regions		Remarks	
E limb		No activity	
Weather	NE wind (bora) wind, strong turbulences, occasionally blurry picture, high clouds (morning)		
Note			

Final mark	2
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Date: 28.09.2018			
Obs. start	07:25	Obs. end	14:20
Observed regions		Remarks	
E limb		Weak and small white spot, no activity	
Weather	turbulences, occasionally blurry picture		
Note			
Final mark	2		

Date: 01.10.2018			
Obs. start	08:00	Obs. end	14:20
Observed regions		Remarks	
12723		Small white spot	
Weather	Clouds in the afternoon		
Note			
Final mark	2		

Date: 03.10.2018			
Obs. start	08:50	Obs. end	13:25
Observed regions		Remarks	
12723		Small white spots	
Weather	Turbulences after 11:00 h		
Note			
Final mark	2-3		

Date: 04.10.2018			
Obs. start	09:05	Obs. end	13:20
Observed regions		Remarks	
12723		No activity	
Weather	NE wind (bora), occasionally thin clouds		
Note			
Final mark	2		

Date: 09.10.2018			
Obs. start	08:45	Obs. end	13:15
Observed regions		Remarks	

E limb		Small white spots
Weather		
Note	Good picture	
Final mark	2-3	

Date: 10.10.2018			
Obs. start	08:15	Obs. end	14:15
Observed regions		Remarks	
E limb		Small white spots	
Weather			
Note	Good picture		
Final mark	2-3		

Date: 11.10.2018			
Obs. start	08:00	Obs. end	14:10
Observed regions		Remarks	
E limb		No activity	
Weather	Clouds occasionally		
Note			
Final mark	2		

Date: 12.10.2018			
Obs. start	08:55	Obs. end	13:35
Observed regions		Remarks	
E limb		Small white spots, small moving filaments	
Weather			
Note			
Final mark	2-3		

Date: 16.10.2018			
Obs. start	08:30	Obs. end	13:30
Observed regions		Remarks	
12725		No activity, filaments	
Weather	Occasionally old clouds		
Note			
Final mark	2-3		

Date: 17.10.2018			
Obs. start	10:05	Obs. end	13:30
Observed regions		Remarks	
12725		Moving filaments, small white spots	
Weather	Clouds in the morning, occasionally blurry picture		
Note			
Final mark	2-3		

Date: 18.10.2018			
Obs. start	09:05	Obs. end	14:10
Observed regions		Remarks	
12725		Moving filaments, small white spots	
Weather	Occasionally blurry picture, high clouds		
Note			
Final mark	2-3		

Date: 19.10.2018			
Obs. start	07:55	Obs. end	11:35
Observed regions		Remarks	
12725		Moving filaments, small white spots	
Weather	Occasionally turbulences		
Note			
Final mark	2-3		

Date: 22.10.2018			
Obs. start	09:10	Obs. end	11:20
Observed regions		Remarks	
W limb		No activity	
Weather	Blurry picture, high clouds, strong turbulences		
Note	Bad picture quality		
Final mark	1-2		