

HVAR SOLAR TELESCOPE

Observer logbook

2019

Notes:

- All observation times are in local time (Hvar)
 - from **31.03.2019** summer time: UTC **+2h**
 - from **27.10.2019** winter time: UTC **+1h**
- Due to renovation works on solar telescope pavilion there was no photosphere and chromosphere observations from 1.1. to 30.5.2019.
- No photosphere observations on 1.7.2019

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: 31.5.2019			
Obs. start	08:00	Obs. end	14:10
Observed regions		Remarks	
E limb		No activity	
Weather	Clouds occasionally, blurry picture		
Note			
Final mark	1-2		

Date: 3.6.2019			
Obs. start	10:50	Obs. end	14:10
Observed regions		Remarks	
E limb		No activity	
Weather			
Note			
Final mark	2		

Date: 5.6.2019			
Obs. start	10:55	Obs. end	14:10
Observed regions		Remarks	
E limb		No activity	
Weather	High clouds, foggy, turbulences		
Note			
Final mark	2		

Date: 10.6.2019			
Obs. start	07:55	Obs. end	13:35
Observed regions		Remarks	
E limb		No activity	
Weather			
Note	Good picture		
Final mark	2-3		

Date: 11.6.2019			
Obs. start	07:55	Obs. end	12:40
Observed regions		Remarks	
E limb		No activity	
Weather	E wind in the morning, turbulences		
Note			
Final mark	2		

Date: 14.06.2019			
Obs. start	07:30	Obs. end	10:15
Observed regions		Remarks	
E limb		No activity	
Weather			
Note			
Final mark	2		

Date: 17.06.2019			
Obs. start	10:00	Obs. end	14:20
Observed regions		Remarks	
E limb		No activity	
Weather	Turbulences		
Note	Chromosphere observations end at 11:53 h		
Final mark	2		

Date: 18.06.2019			
Obs. start	09:12; 14:00	Obs. end	11:10; 14:10
Observed regions		Remarks	
E limb		No activity	
Weather	Turbulences, clouds occasionally		
Note			
Final mark	2		

Date: 24.06.2019			
Obs. start	11:00	Obs. end	13:40
Observed regions		Remarks	
E limb		No activity	
Weather			
Note	Chromosphere observations end at 12:56 h		
Final mark	2		

Date: 26.06.2019			
Obs. start	08:10	Obs. end	09:45
Observed regions		Remarks	
12743		No activity	
Weather			
Note			
Final mark	1-2		

Date: 28.06.2019			
Obs. start	10:25	Obs. end	14:25
Observed regions		Remarks	
12743		No activity	
Weather	Clouds occasionally		
Note	Chromosphere observations end at 13:58		
Final mark	2		

Date: 01.07.2019			
Obs. start	08:05	Obs. end	10:01
Observed regions		Remarks	
E limb		No activity	
Weather			
Note	No photosphere observations		
Final mark	2		

Date: 02.07.2019			
Obs. start	08:20	Obs. end	14:19
Observed regions		Remarks	
E limb		No activity	
Weather			
Note	Chromosphere observations end at 13:44		
Final mark	2		

Date: 03.07.2019			
Obs. start	08:10	Obs. end	10:00
Observed regions		Remarks	
E limb		Moving filaments, no activity	
Weather			
Note			
Final mark	2		

Date: 4.07.2019			
Obs. start	09:25	Obs. end	13:20
Observed regions			Remarks
E limb			No activity
Weather			
Note			
Final mark	2		

Date: 05.07.2019			
Obs. start	08:20	Obs. end	13:50
Observed regions			Remarks
E limb			No activity
Weather	Blurry picture, clouds occasionally		
Note	Chromosphere observations end at 13:10		
Final mark	2		

Date: 08.07.2019			
Obs. start	08:20	Obs. end	14:15
Observed regions			Remarks
12744			Small eruption, moving filament
Weather			
Note	Chromosphere observations end at 12:20		
Final mark	3		

Date: 15.07.2019			
Obs. start	09:30	Obs. end	13:55
Observed regions			Remarks
E limb			No activity
Weather	Clouds occasionally		
Note			
Final mark	1-2		

Date: 16.07.2019			
Obs. start	08:50	Obs. end	14:30
Observed regions		Remarks	
E limb		Small prominences on E limb	
Weather	Clouds occasionally, turbulences		
Note			
Final mark	2		

Date: 17.07.2019			
Obs. start	07:55	Obs. end	14:25
Observed regions		Remarks	
W limb		Small eruption (7:10 UTC)	
Weather	Blurry picture occasionally		
Note			
Final mark	3		

Date: 18.07.2019			
Obs. start	09:40	Obs. end	14:30
Observed regions		Remarks	
E limb		No activity	
Weather			
Note			
Final mark	2		

Date: 19.07.2019			
Obs. start	08:20	Obs. end	14:10
Observed regions		Remarks	
E limb		Moving small filaments	
Weather			
Note			
Final mark	2		

Date: 22.07.2019			
Obs. start	08:15	Obs. end	14:15
Observed regions		Remarks	
E limb		No activity	
Weather	Clouds occasionally		
Note			
Final mark	2		

Date: 23.07.2019			
Obs. start	07:50	Obs. end	14:30
Observed regions		Remarks	
12745		Small white spots	
Weather	Clouds in the morning, blurry picture		
Note			
Final mark	2		

Date: 24.07.2019			
Obs. start	08:15	Obs. end	10:00
Observed regions		Remarks	
12745		No activity	
Weather	Strong turbulences		
Note			
Final mark	2		

Date: 25.07.2019			
Obs. start	08:50	Obs. end	14:15
Observed regions		Remarks	
E limb		Small erupting filament	
Weather	Turbulences in the morning		
Note			
Final mark	2-3		

Date: 26.07.2019			
Obs. start	08:20	Obs. end	11:45
Observed regions		Remarks	
E limb		No activity	
Weather	Turbulences		
Note	Good picture in the morning		
Final mark	2		

Date: 30.07.2019			
Obs. start	08:50	Obs. end	14:30
Observed regions			Remarks
E limb			No activity
Weather			
Note			
Final mark	2		

Date: 31.07.2019			
Obs. start	08:00	Obs. end	14:45
Observed regions			Remarks
E limb			No activity
Weather			
Note	Good picture quality		
Final mark	2-3		

Date: 06.08.2019			
Obs. start	08:05	Obs. end	14:10
Observed regions			Remarks
E limb, 12747			Small white spots
Weather			
Note			
Final mark	2		

Date: 07.08.2019			
Obs. start	07:35	Obs. end	11:50
Observed regions			Remarks
12747			No activity
Weather	E wind, strong turbulences		
Note			
Final mark	2		

Date: 09.08.2019			
Obs. start	07:55	Obs. end	14:10
Observed regions			Remarks
E limb			No activity
Weather	Blurry picture, turbulences		
Note			
Final mark	1-2		

Date: 12.08.2019			
Obs. start	07:35	Obs. end	13:50
Observed regions			Remarks
12747			No activity
Weather			
Note			
Final mark	2		

Date: 13.08.2019			
Obs. start	07:55	Obs. end	13:50
Observed regions			Remarks
E limb			No activity
Weather			
Note			
Final mark	2		

Date: 19.08.2019			
Obs. start	08:15	Obs. end	14:25
Observed regions			Remarks
E limb			No activity
Weather			
Note			
Final mark	2		

Date: 20.08.2019			
Obs. start	07:55	Obs. end	14:15
Observed regions			Remarks
E limb			Moving / erupting small filaments
Weather			
Note			
Final mark	2-3		

Date: 21.08.2019			
Obs. start	08:20	Obs. end	15:00
Observed regions		Remarks	
E limb		Moving filaments	
Weather			
Note	Good picture		
Final mark	2-3		

Date: 22.08.2019			
Obs. start	08:35	Obs. end	13:55
Observed regions		Remarks	
E limb		Moving filaments	
Weather	Turbulences, blurry picture in the afternoon		
Note			
Final mark	2		

Date: 23.08.2019			
Obs. start	09:33	Obs. end	14:15
Observed regions		Remarks	
E limb		White spots	
Weather	Turbulences, clouds occasionally		
Note			
Final mark	2		

Date: 26.8.2019			
Obs. start	07:45	Obs. end	14:05
Observed regions		Remarks	
E limb		No activity	
Weather	Lot of clouds whole day		
Note			
Final mark	1-2		

Date: 27.08.2019			
Obs. start	09:40	Obs. end	14:15
Observed regions		Remarks	
E limb		Moving filaments	
Weather			
Note			
Final mark	2-3		

Date: 28.08.2019			
Obs. start	07:55	Obs. end	14:15
Observed regions			Remarks
E limb			Small eruption / moving filaments
Weather			
Note			
Final mark	3		

Date: 29.08.2019			
Obs. start	07:45	Obs. end	14:20
Observed regions			Remarks
E limb			No activity
Weather	Clouds occasionally		
Note			
Final mark	2-3		

Date: 02.09.2019			
Obs. start	09:05	Obs. end	12:16
Observed regions			Remarks
Center of the Sun			No activity
Weather	Clouds, high humidity		
Note			
Final mark	1-2		

Date: 04.09.2019			
Obs. start	08:30	Obs. end	14:50
Observed regions			Remarks
12748			Moving filaments, white spots
Weather	Turbulences, blurry picture, clouds occasionally		
Note			
Final mark	2-3		

Date: 05.09.2019			
Obs. start	07:50	Obs. end	14:25
Observed regions		Remarks	
E limb		No activity	
Weather			
Note	Blurry picture		
Final mark	2		

Date: 10.09.2019			
Obs. start	07:55	Obs. end	14:00
Observed regions		Remarks	
E limb		No activity	
Weather	Turbulences, clouds occasionally		
Note			
Final mark	2		

Date: 11.09.2019			
Obs. start	09:20	Obs. end	14:10
Observed regions		Remarks	
E limb		No activity	
Weather	Clouds occasionally		
Note			
Final mark	2		

Date: 12.09.2019			
Obs. start	08:50	Obs. end	10:20
Observed regions		Remarks	
E limb		No activity	
Weather	Clouds		
Note			
Final mark	1-2		

Date: 16.09.2019			
Obs. start	09:30	Obs. end	14:25
Observed regions		Remarks	
E limb		No activity	
Weather	Clouds occasionally		
Note			
Final mark	2		

Date: 17.09.2019			
Obs. start	08:05	Obs. end	14:40
Observed regions		Remarks	
E limb		Erupting / moving filaments	
Weather			
Note	Blurry picture occasionally		
Final mark	2		

Date: 24.09.2019			
Obs. start	09:45	Obs. end	13:20
Observed regions		Remarks	
E limb		No activity	
Weather	Strong turbulences		
Note	Blurry picture		
Final mark	1-2		

Date: 25.09.2019			
Obs. start	08:20	Obs. end	14:10
Observed regions		Remarks	
E limb		Moving filaments	
Weather	Clouds occasionally, turbulences		
Note	Blurry picture		
Final mark	2		

Date: 26.09.2019			
Obs. start	09:40	Obs. end	14:15
Observed regions		Remarks	
E limb		No activity	
Weather	Clouds occasionally		
Note			
Final mark	2-3		

Date: 27.09.2019			
Obs. start	09:05	Obs. end	14:20
Observed regions		Remarks	
E limb		No activity	
Weather			
Note			
Final mark	2		

Date: 30.09.2019			
Obs. start	08:45	Obs. end	14:00
Observed regions		Remarks	
E limb		No activity	
Weather	Clouds occasionally		
Note			
Final mark	2-3		

Date: 09.10.2019			
Obs. start	08:35	Obs. end	13:55
Observed regions		Remarks	
E limb		No activity	
Weather	SE (jugo) wind, clouds occasionally, turbulences		
Note			
Final mark	1-2		

Date: 11.10.2019			
Obs. start	08:25	Obs. end	12:35
Observed regions		Remarks	
E limb		No activity	
Weather			
Note			
Final mark	2		

Date: 14.10.2019			
Obs. start	08:45	Obs. end	14:20
Observed regions		Remarks	
E limb		No activity	
Weather			
Note			
Final mark	2		

Date: 15.10.2019			
Obs. start	08:05	Obs. end	14:12
Observed regions			Remarks
E limb			No activity
Weather	SE (jugo) wind		
Note			
Final mark	2-3		

Date: 17.10.2019			
Obs. start	09:25	Obs. end	14:05
Observed regions			Remarks
E limb			No activity
Weather	Clouds occasionally		
Note			
Final mark	2		

Date: 18.10.2019			
Obs. start	09:00	Obs. end	13:40
Observed regions			Remarks
E limb			No activity
Weather			
Note			
Final mark	2		

Date: 22.10.2019			
Obs. start	09:45	Obs. end	14:05
Observed regions			Remarks
E limb			No activity
Weather	Clouds occasionally		
Note	Blurry picture		
Final mark	2		

Date: 23.10.2019			
Obs. start	09:25	Obs. end	10:10
Observed regions			Remarks
E limb			No activity
Weather	Strong turbulences		
Note	Blurry picture		
Final mark	1		

Date: 24.10.2019			
Obs. start	09:45	Obs. end	14:20
Observed regions		Remarks	
E limb		No activity	
Weather	SE (jugo) wind		
Note			
Final mark	2		

Date: 25.10.2019			
Obs. start	08:15	Obs. end	09:50
Observed regions		Remarks	
E limb		No activity	
Weather	Turbulences		
Note	Blurry picture		
Final mark	1-2		

Date: 28.10.2019			
Obs. start	09:15	Obs. end	14:00
Observed regions		Remarks	
E limb		No activity	
Weather			
Note			
Final mark	2-3		