

Stellar Occultation by Triton

October 5, 2017

List of Participants and Results of the Triton Occultation Event

Update: October 09, 2017

Station ID Obs-Code	Name and address of observer	Observation?	Reason	Remarks
BUE 167	Stefan Meister	No	Clouds and rain	<i>Ja, es hat nicht sollen sein. Bei uns war's wohl genau gleich. Ich hatte gehofft, dass die Front schneller durchziehen würde (am Anfang sah es danach aus) und wir danach ins Rückseitenwetter mit grösseren Wolkenlücken kämen. Aber dem war dann nicht so und beim Eventzeitpunkt war es komplett zu und es hat dann zeitweise recht stark geregnet. Auch nach dem Event war es praktisch die ganze Nacht ohne grössere Lücken bedeckt.</i>
CHE	Josef Schibli	No	Clouds and rain	<i>On October 5, I arrived at the Observatory Cheisacher at 9 pm CEST. At the same time, it startet raining. No problem, the weather map showed gaps in the cloud cover shortly after midnight. Everything prepared and tested. At 1:00 am CEST the sky against the Vogeses and the Black Forest searched for gaps. But it was still raining. I gave myself another 30 minutes. It was continously raining. So no chance.</i>
COM	Carlo Gualdoni	No	Clouds and heavy turbulences	<i>Bad weather also in Como. Hazy sky and strong turbulences.</i>
CUG	Andrea Manna	Yes	Clear sky!	<i>My observation from Cugnasco is positive (shutter mode x64, gain 27). The occultation starts about 23:46:30 (UT) and ends about 23:49:15 (the passage of some clouds was between 23:46:40 and 23:46:58).</i>

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EPE A13	Peter Kocher	No	Clouds and rain	<i>Hier in Ependes Wolken und Regen... Grüsse jetzt aus dem sonnigen Freiburgerland.</i>
FAL B67	José De Queiroz	No	Clouds	<i>Here in Falera so sad it is I couldnt observed this occultation. Maybe next time hope so.</i>
GNO 143	Stefano Sposetti	No	Clouds and heavy turbulences	<i>All was prepared and the recording was good. At about 19 UT the air motion was not so strong, but at the event time the turbulence was very bad and clouds covered the sky during the event. Very very difficult to see something in the avi. I think there is no chance to extract something useful from it. Andrea Manna, not far from Locarno, got better conditions and he could record all the event.</i>
KRE	Bruno Leitz	No	Clouds and rain	<i>Kreuzlingen couldn't record the event due to clouds and rain.</i>
MUZ	Alberto Ossola	No	Clouds	<i>Aus Muzzano, Station MUZ, leider keine Beobachtung möglich: bewölkt.</i>
SCH B77	Jonas Schenker	No	Clouds and rain	<i>After a successful test two days before, we were very glad to be ready for the Triton event. On October 5, a few hours before the occultation, sky clouded out and started to rain for the whole night. Big disappointment ☹ !! At least, it was a good exercise for future events!</i>
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SNG	Thomas Erzinger	No	Clouds and rain	<i>Triton hat seit heute Nacht in meiner Erinnerung eine dichte atmosphärische Störung hinterlassen. Nun lockert sich diese nass-feuchte Okklusion langsam auf. Die nächste Stern-Bedeckung ist vielleicht von besserem Wetter begleitet. Frech blinzelt Sirius heute Morgen durch die Wolkenlücke, für die Sonne wird es wohl reichen.</i>
UET 009	Martin Mutti	No	Clouds and rain	<i>Weather at 01:30 CEST: Cloudy 100% Rainy</i>
VTE	Roger Spinner	No	Clouds and heavy turbulences	<i>Leider keine Beobachtung aus Montsevelier. Der Wind wurde immer heftiger, gegen 23:00 musste ich dann alles abbauen. Auch Wolkenlücken taten sich später keine auf.</i>

Further Remarks:

Christian Wernli (President of Swiss Astronomical Association) wrote:

“Schade, ich war mehrmals draussen gestern Abend und habe für euch gehofft! Hat leider nichts genützt!”

Karsten Schindler (SOFIA Institute) wrote:

„Ich hatte noch bis gestern Abend gehofft, dass zumindest einige Beobachter von Euch, tendenziell in der Südostschweiz Erfolg haben werden. Gegen das Wetter kann leider niemand etwas ausrichten (Du siehst, es ist gar keine schlechte Idee, ein Teleskop in ein Flugzeug zu bauen). Ich hoffe, ihr seid nicht all zu sehr enttäuscht, so ist das Geschäft - ein großes herzliches Dankeschön an alle für Eure Vorbereitungen und Anstrengungen!“

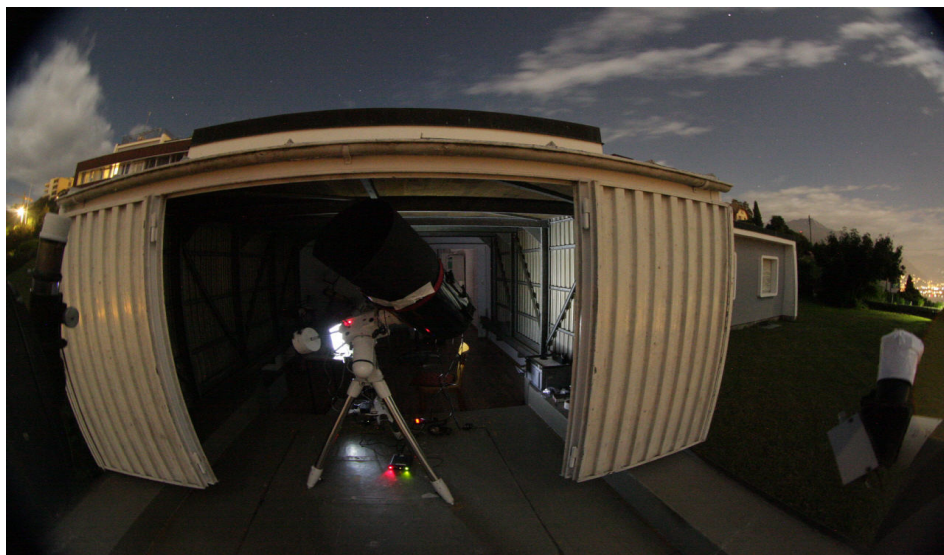
Some Impressions of the Event:



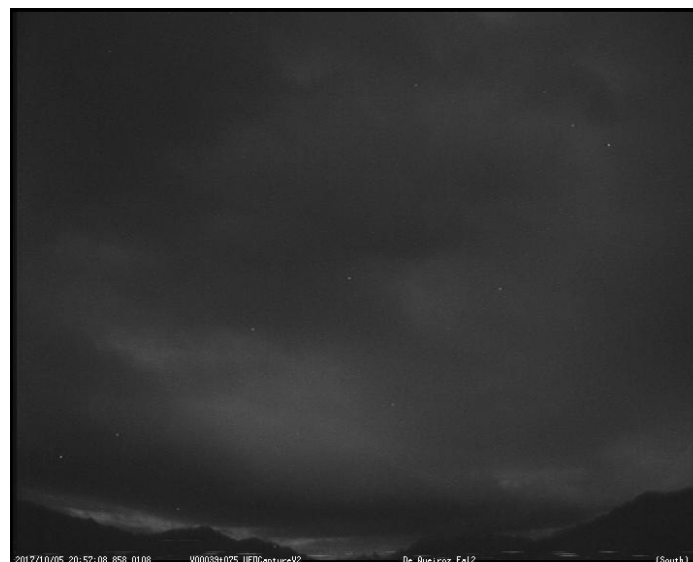
Weather conditions and...



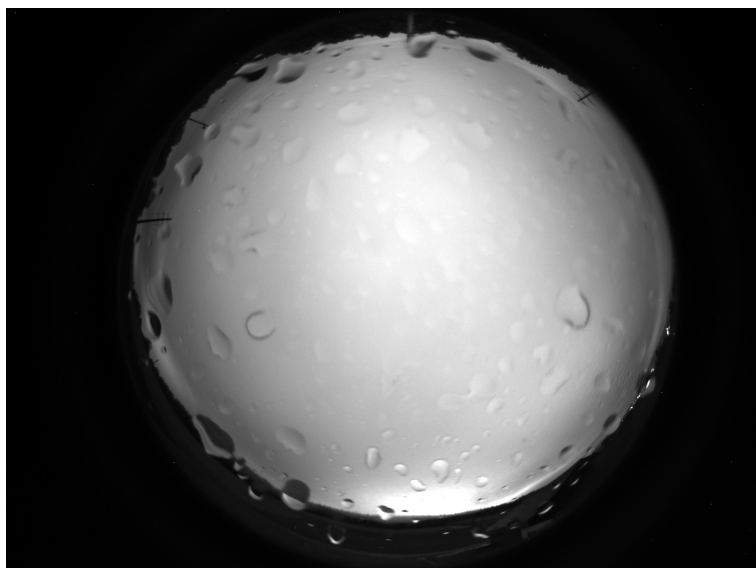
...Setup at VTE (Roger Spinner), before the turbulences were to strong....



Setup at LOC (Stefano Sposetti) a few hours before the event.



Weather conditions at FAL (Jose De Queiroz).

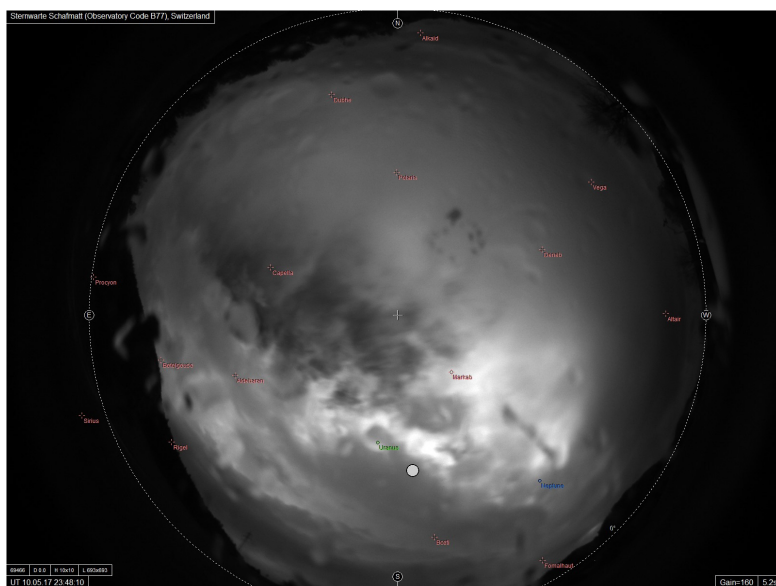


Weather conditions at BUE (Stefan Meister).

```
Satellites: 10 HDOP: 0.82
UTC: 23:03:00 2017-10-05
Latitude: 4731.6407 N
Longitude: 00806.6975 E
Altitude: 647.2 M MSL
WGS84 separation: 48.0 M
```

```
CPU clock 1000004 Hz
Err Transient
vSync 20000 CPU us
External PAL Fullscreen
Last used 22h 2017-10-05
```

Live view at CHE (Joe Schibli) during occultation...



Allsky cam at SCH (Jonas Schenker), showing the position of Neptune...



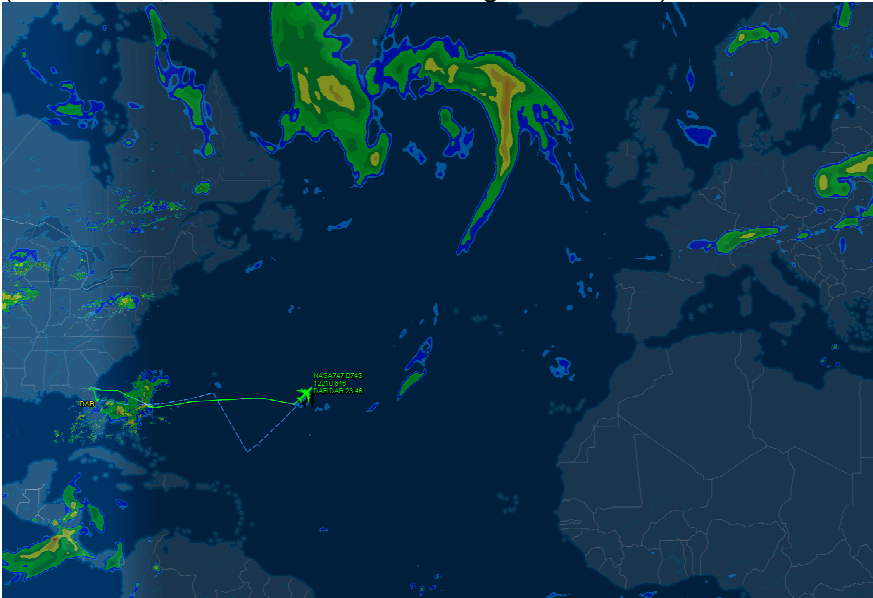
...and a few minutes later!



Screenshot from MUZ (Alberto Ossola) with Neptune, Triton and star (at 20:55UT, still no clouds, but strong turbulences).

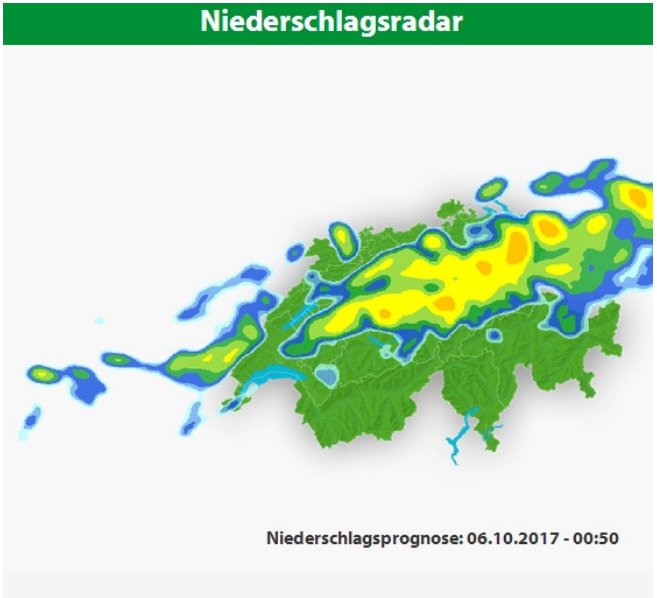


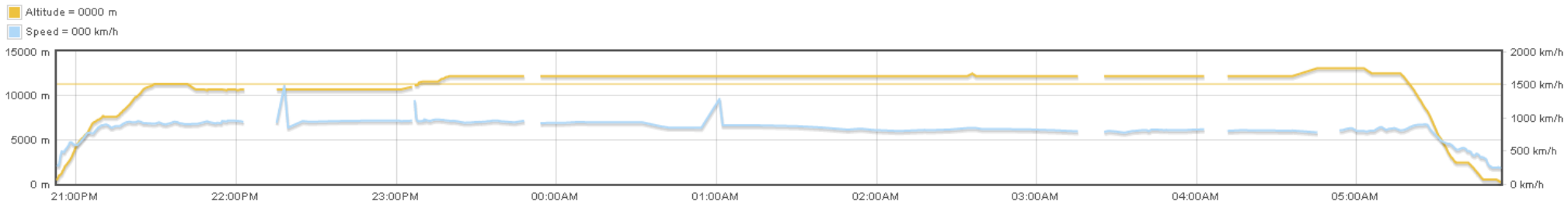
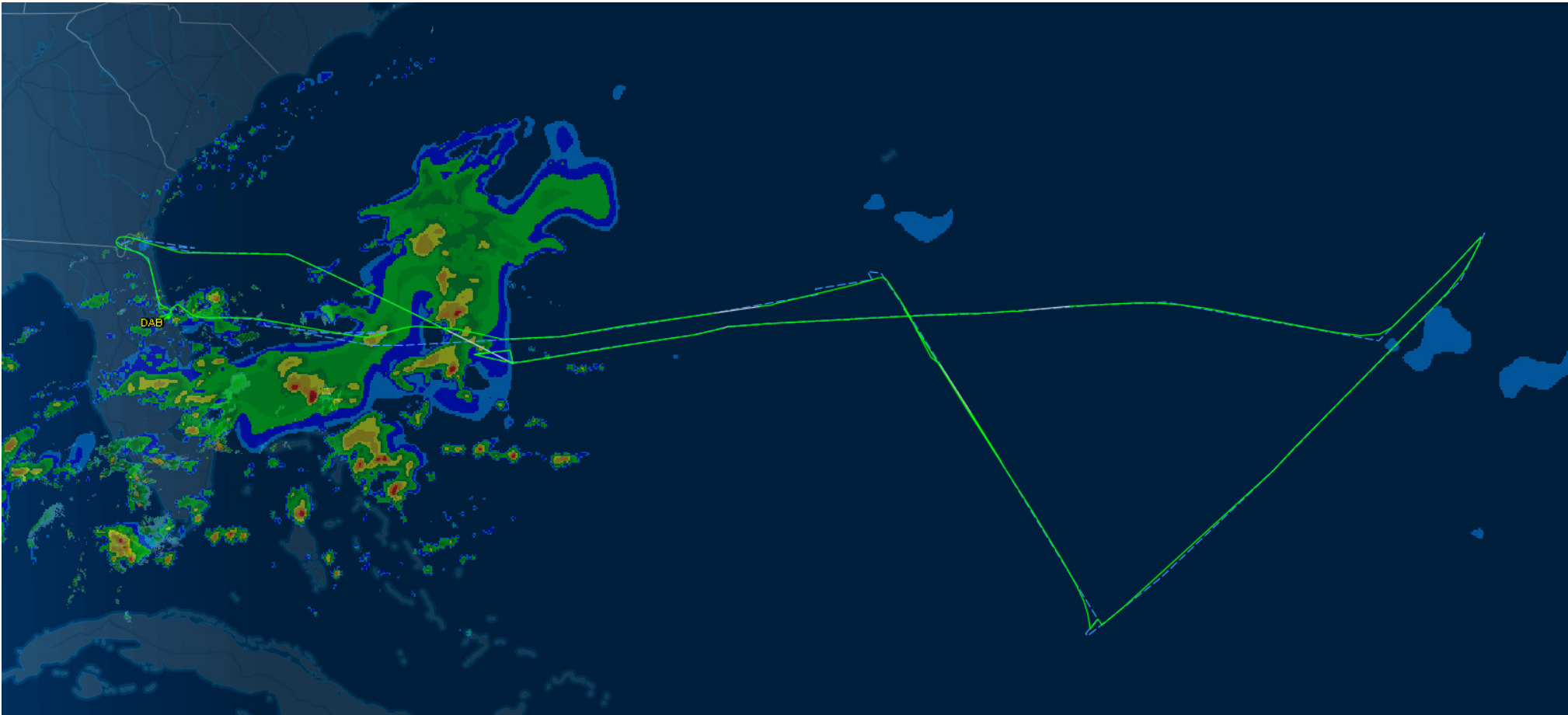
The day after...viewed from SNG (Thomas Erzinger)



< Flightpath of SOFIA airplane over the Atlantic Ocean (start and landing in Daytona Beach)

Rain about Switzerland...>





Flugdetails

[Tracking-Protokoll anzeigen](#)

[Alle Flüge zwischen DAB und DAB](#)

FLUGZEITEN

	Start	Landung
Aktuell	14:52 EDT	23:54 EDT
Planmäßig	14:58 EDT	23:55 EDT

FLUGZEUGDATEN

Flugzeugtyp **Boeing 747SP (viermotoriger Jet) (B74S)** [Fotos](#)

AIRLINE-DATEN

Fluggesellschaft [National Aeronautics And Space Administration "NASA"](#)
[alle Flüge](#)

FLUGDATEN



Geschwindigkeit **Archiviert: 889 km/h** [graph](#)

Höhe **Archiviert: 11.280 m** [graph](#)

Entfernung **Aktuell: 7.525 km (Geplant: 7.993 km)**

