

Checklist: GREGOR Closure Conditions

GRE-KIS-CL-0003

Close if either

- wind > 20 m/s (on any sensor)
- humidity > 80%
- Clouds closeby
 - close M1 cover: 1 min
 - park telescope: 2-3 min
 - close dome: 3 min
- Dust:
 - close if dustlevel > 0.025
 - reopen if dustlevel < 0.01 for 1h

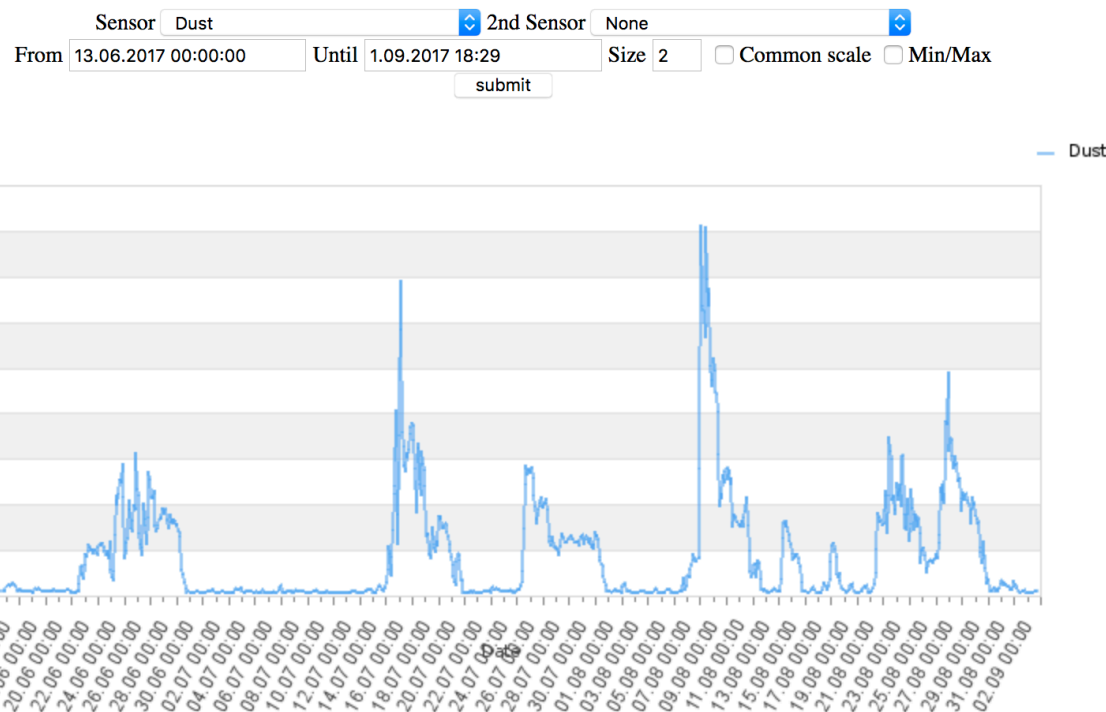
Schliessen, wenn entweder

- Wind > 20 m/s (auf irgendwelchem Sensor)
- Luftfeuchtigkeit > 80%
- Wolken in der Nähe
 - Rollo schliessen: 1 min
 - Teleskop in Park: 2-3 min
 - Kuppel zu: 3 min
- Bei Staub:
 - Schliessen bei 0.025
 - wieder öffnen wenn < 0.01 für 1 Stunde

Explanations

- The wind limit was selected based on experience. At 20 m/s the telescope is vibrating too much for useful observations.
- 80% humidity often leads to clouds forming soon. We want to avoid condensation on M1.
- The dust was selected in the following way: We close at the start of a calima event (peaks often exceed 0.025) and want to remain closed until the event is over. Based on the plot below, the event is over once the dust level remains below 0.01 for some time.

STELLA environment detail



Change Log					
Vers.	Date	Author	Description of Changes	Sections	Pages
1	22.2.18	L. Kleint	New Document		