AGA0414 Scheduling

Prof. Alessandro Ederoclite

Caveats when using Staralt

Staralt accepts two or three columns (name, RA, Dec... where the first is not mandatory) <u>separated by spaces</u>.

A real observational astronomer is someone who:

- 1. Has had (at least) one observing proposal rejected (bonus point if the reason does not make sense for real)
- Has had a bad observing night

A bad observing night is:

A night which is too good to keep the telescope closed but too bad to keep the telescope open.

Our targets

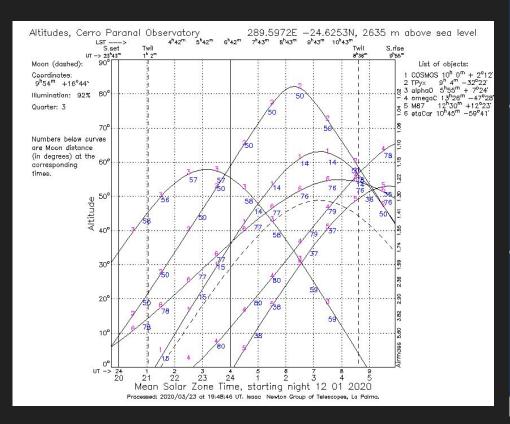
Name	RA	Dec	Time on target	Worst seeing	Worst lunar illumination	Cloud coverage
COSMOS	10 00 28.6	02 12 21	3 hours	0.8"	Dark (<12%)	Photometric
ТРух	09 04 41.51	-32 22 47.50	1 hour	1.5"	Gray (<88%)	Clear
alphaOri	05 55 10.31	07 24 25.43	1 hour	2"	Bright	Cloudy
omegaCen	13 26 47.28	-47 28 46.1	3 hours	0.8"	Gray (<88%)	Clear
M87	12 30 49.42	12 23 28.04	1 hour	1.5"	Gray (<88%)	Clear
etaCar	10 45 03.54	-59 41 04.05	2 hours	2"	Bright	Cloudy

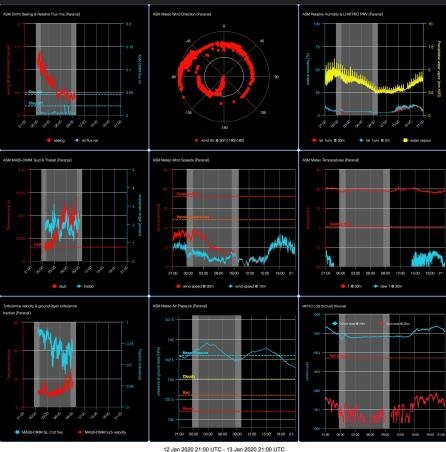
Today exercise: observe our targets from Paranal

We observe on three different nights:

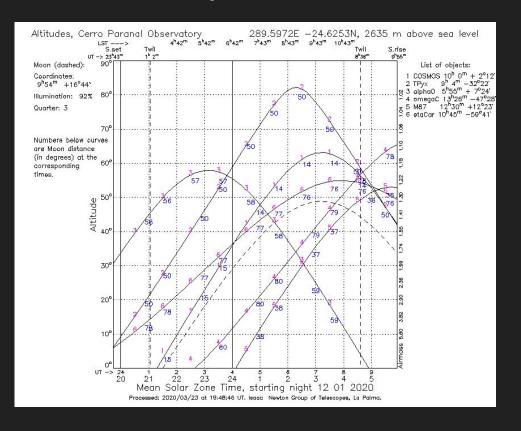
- 12 January 2020
- 19 January 2020
- 26 January 2020

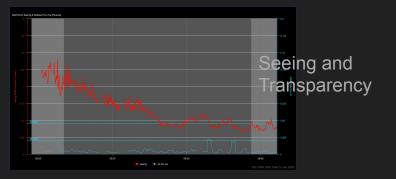
We will use Staralt and the weather monitor http://www.eso.org/asm/ui/publicLog

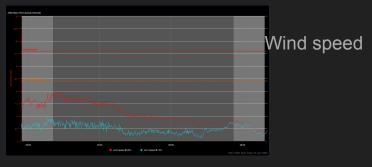


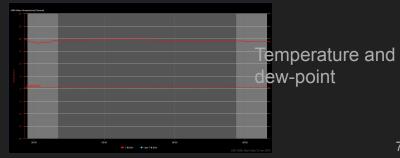


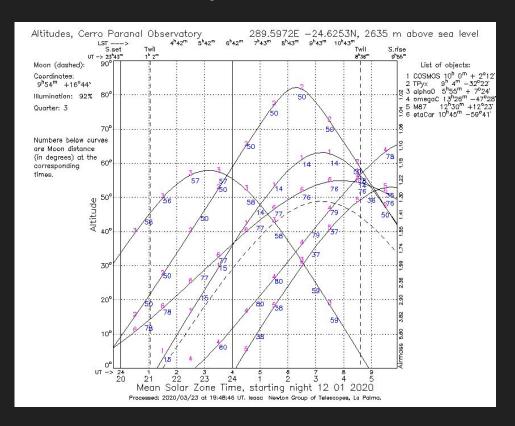
Presets.Paranal|SUN 23:43-09:56|Twilight 01:02-08:37|LST 03:49-11:25|MOON 01:23-11:55|93%





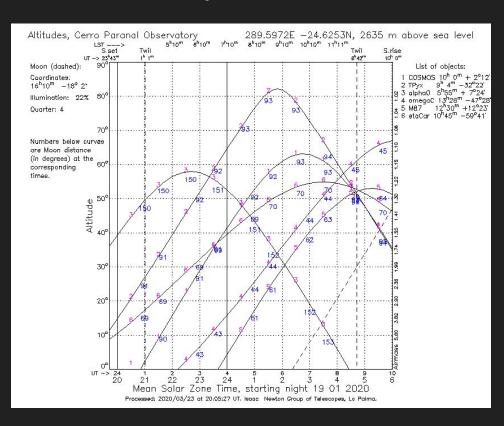


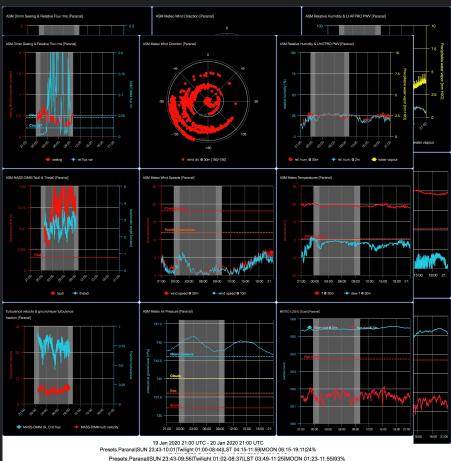


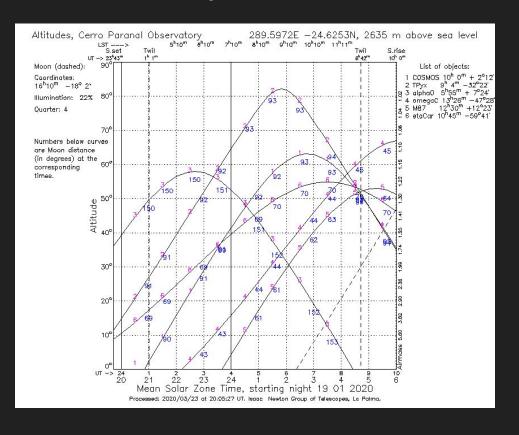


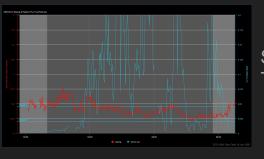
Bright night

Only available targets: Betelgeuse and eta Carinae

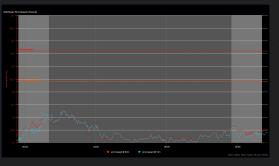




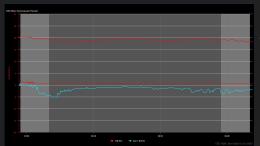




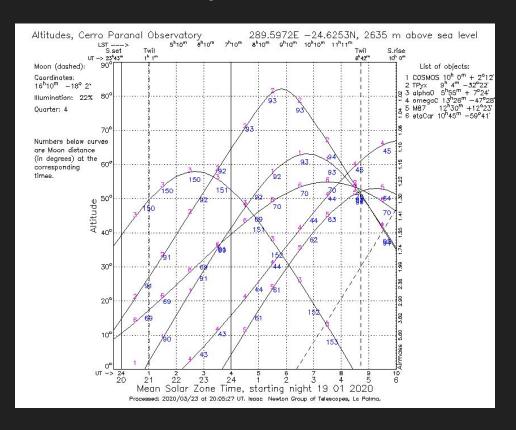
Seeing and Transparency



Wind speed

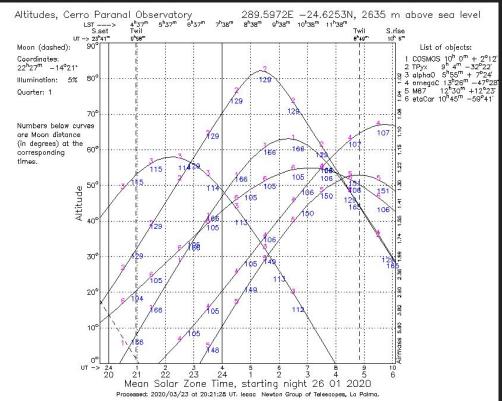


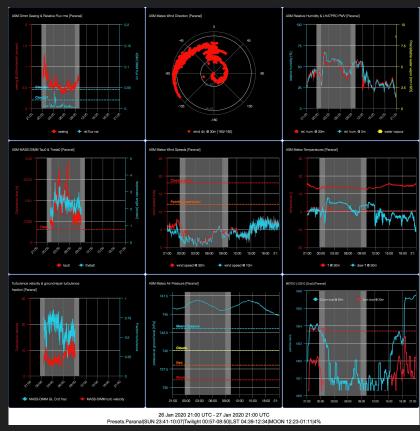
Temperature and dew-point

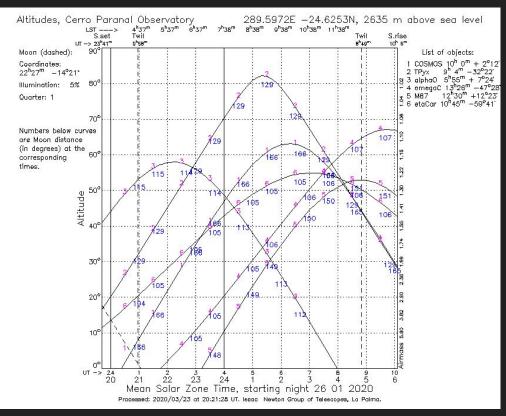


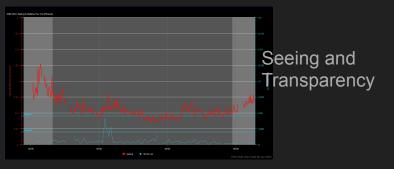
Gray night

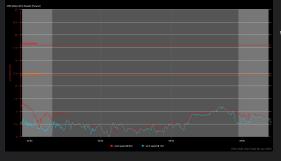
Stuck with Betelgeuse and eta Carinae because of clouds!



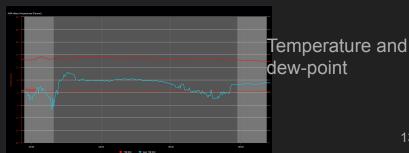


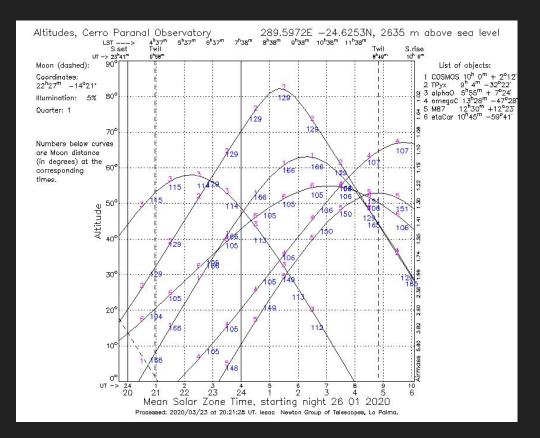






Wind speed





Dark night with good seeing and transparency

1h on alpha Orionis

1 h on T Pyxidis

3 h on COSMOS

3 h on omega Cen (it's very good night)

Exercise

You try.

Same targets. Same constraints.

Night of 27 Januery 2020

http://www.eso.org/asm/ui/publicLog?name=Paranal&startDate=2020-01-27T21:0 0:00.000Z&hoursInterval=24