



Visibility charts from European Southern Observatory, La Silla

1 Epochs

- CHART 1: 2016-05-31

2 Cuts applied to the selection

Quantity	Condition	Description	Units
Alt	> 30	Maximum altitude	deg
\widehat{SEO}	> 30	Solar elongation	deg
\widehat{MEO}	> 5	Lunar elongation	deg
m_V	n.a.	Apparent magnitude	mag
α	n.a.	Phase angle	deg
ϕ	n.a.	Apparent diameter	arcsec
\mathcal{D}	> 0	Minimum duration of visibility	min
Visibility computed between civil twilights.			

3 Meaning of displayed quantities

Quantity	Description	Units
Target	Target designation	–
m_V	Apparent magnitude	mag
ϕ	Apparent diameter	arcsec
\mathcal{D}	Duration of visibility window	h:m
Alt	Altitude	deg
Az.	Azimuth	deg
RA	Right Ascension	h:m:s
DEC	Declination	d:m:s
Rate	Apparent non-sidereal motion	arcsec/h
λ_G	Galactic longitude	deg
β_G	Galactic latitude	deg
r	Range to observer	au
Δ	Heliocentric distance	au
α	Solar phase angle	deg
$\widehat{\text{SEO}}$	Solar elongation	deg
$\widehat{\text{MEO}}$	Moon elongation	deg

For each target, the values are reported at the time of the highest altitude.

Credits

ViSiON (**V**isibility **S**ervice for **O**bserving **N**ights) has been developed by Benoît Carry and Jérôme Berthier at IMCCE.

If ViSiON was helpful for your research, please add the following in your acknowledgments: “This publication makes use of the Virtual Observatory Web service ViSiON, developed by IMCCE and OCA.”

To contact us, please email vo.imcce@obspm.fr

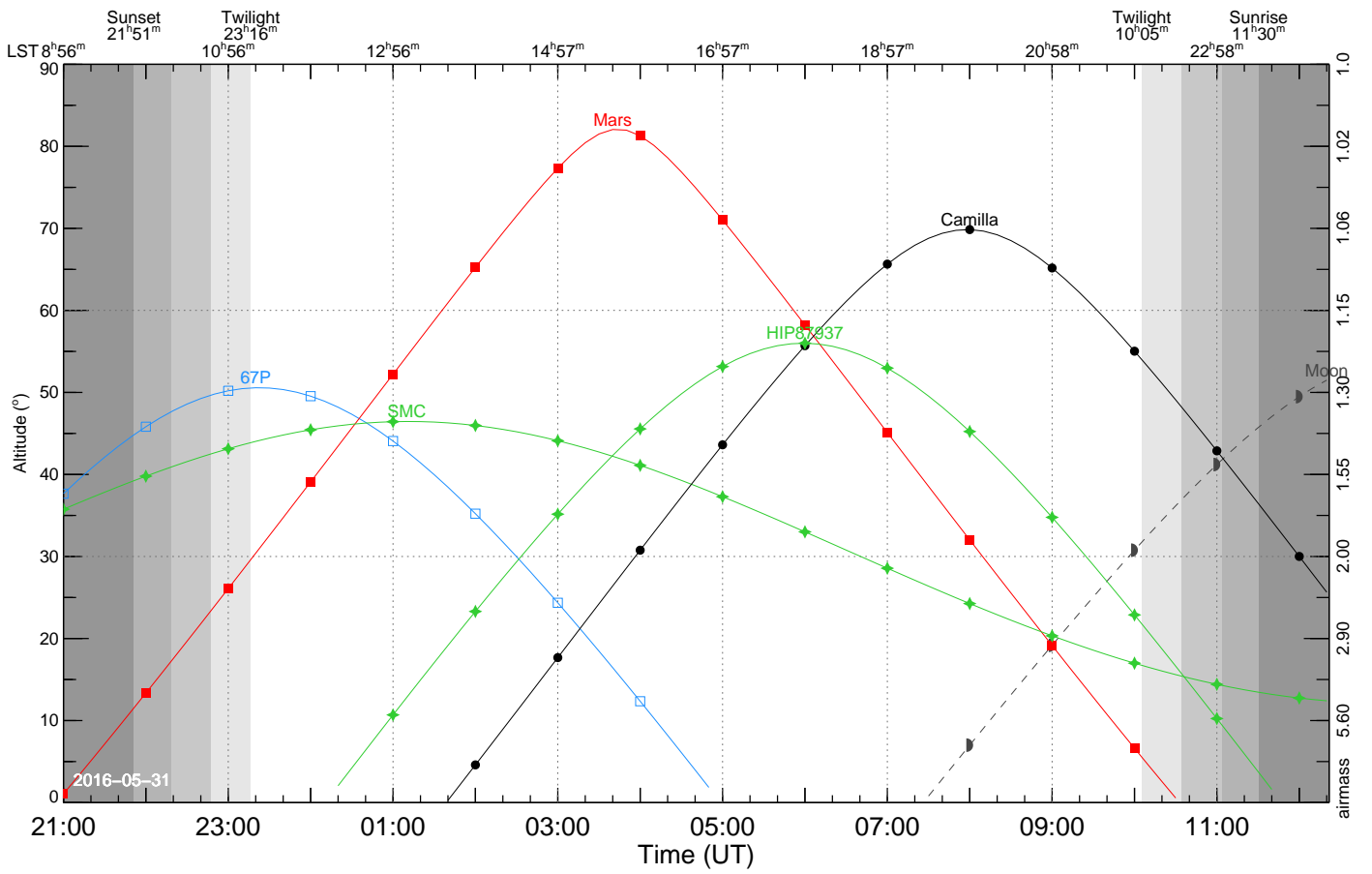
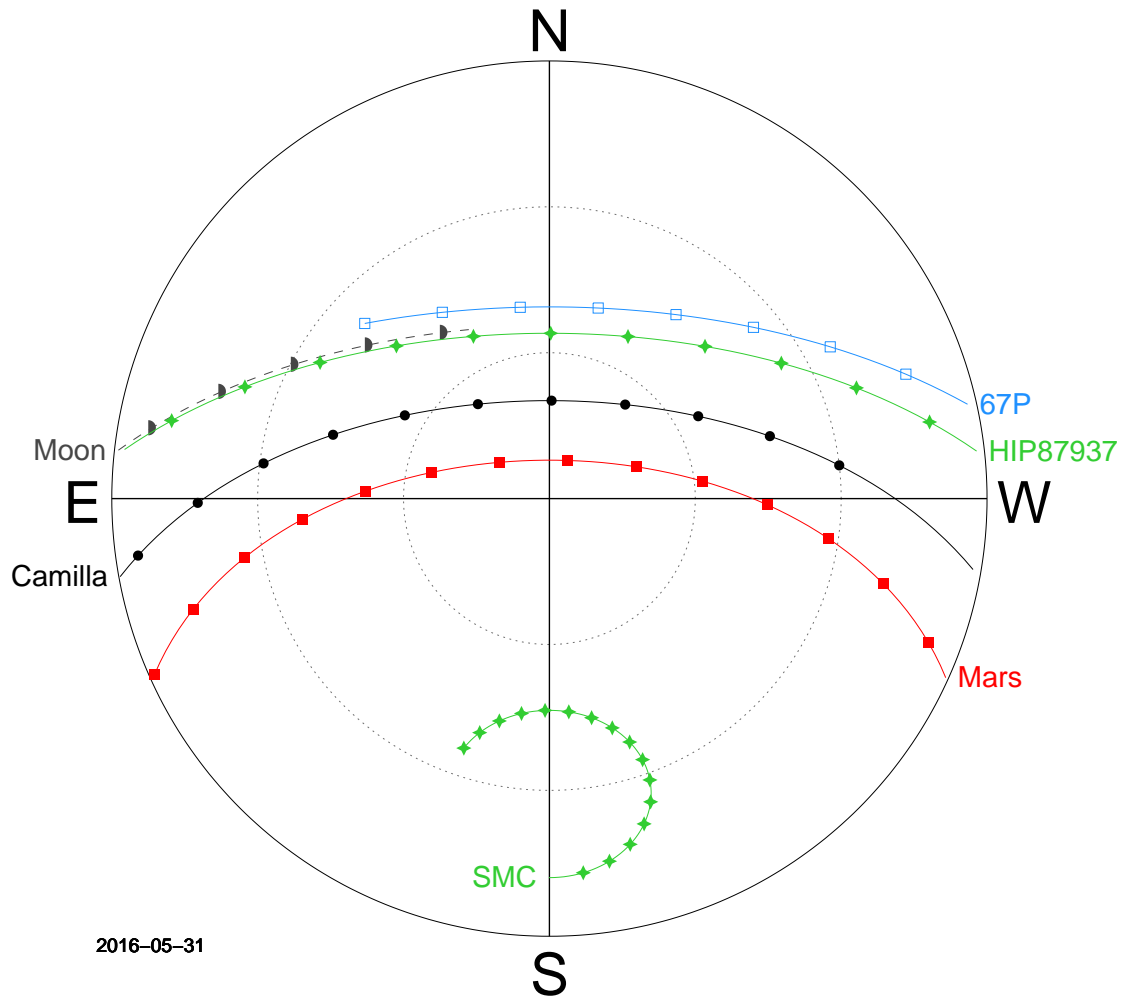


Figure 1: Airmass charts for epoch 2016-05-31
















Target	m_V	ϕ	\mathcal{D}	Alt	Az.	RA	DEC	Rate	λ_G	β_G	r	Δ	α	\widehat{SEO}	\widehat{MEO}	Links
Moon	-8.11	1991	$12^h 49^m$	41	49	$1^h 20^m 24^s$	$5^\circ 55' 9''$	1611	316	-55	0.002	1.009	129.5	50.4	0.0	 - 
67P	18.48	1.68	$4^h 10^m$	50	0	$11^h 20^m 12^s$	$10^\circ 10' 1''$	23	248	62	2.84	3.11	18.9	96.2	153.8	  
SMC	0.00	0.00	$8^h 30^m$	46	179	$13^h 08^m 59^s$	$-72^\circ 48' 0''$	0	304	-10	1.00	1.00	0.0	121.8	111.1	- - 
Mars	-1.99	18.57	$8^h 49^m$	82	6	$15^h 42^m 13^s$	$-21^\circ 21' 23''$	54	348	25	0.50	1.51	8.5	167.2	137.9	 - 
HIP87937	9.54	0.00	$6^h 50^m$	55	359	$17^h 57^m 47^s$	$4^\circ 44' 25''$	0	391	13	1.00	1.00	0.0	146.8	107.5	-  
(107) Camilla	13.09	0.10	$7^h 09^m$	69	358	$19^h 57^m 24^s$	$-9^\circ 06' 42''$	9	392	-19	2.97	3.71	12.0	130.5	80.4	  

Table 1: Ephemerides summary for epoch 2016-05-31, values are reported at the time of the highest altitude.