

Orbit Number in MTP	Ingress	Egress	Day Nadir	Start time of day nadir (occultations before, nadir after this time)
104			LNO_Dayside	2025 JAN 27 02:01:17
105	NOMAD_Ingress	NOMAD_Egress		2025 JAN 27 03:59:19
106				2025 JAN 27 05:57:20
107	NOMAD_Ingress	NOMAD_Egress		2025 JAN 27 07:55:18
108	NOMAD_Ingress	NOMAD_Egress	LNO_Dayside	2025 JAN 27 09:53:14
109			LNO_Dayside	2025 JAN 27 11:51:10
110	NOMAD_Ingress	NOMAD_Egress		2025 JAN 27 13:49:10
111				2025 JAN 27 15:47:11
112	NOMAD_Ingress			2025 JAN 27 17:45:12
113	NOMAD_Ingress	NOMAD_Egress		2025 JAN 27 19:43:12
114			LNO_Dayside	2025 JAN 27 21:41:08
115	NOMAD_Ingress	NOMAD_Egress		2025 JAN 27 23:39:03
116				2025 JAN 28 01:37:03
117	NOMAD_Ingress	NOMAD_Egress		2025 JAN 28 03:35:04
118			LNO_Dayside	2025 JAN 28 05:33:06
119	NOMAD_Ingress	NOMAD_Egress		2025 JAN 28 07:31:04
120	NOMAD_Ingress	NOMAD_Egress	LNO_Dayside	2025 JAN 28 09:29:00
121			LNO_Dayside	2025 JAN 28 11:26:56
122	NOMAD_Ingress	NOMAD_Egress	LNO_Dayside	2025 JAN 28 13:24:53
123				2025 JAN 28 15:22:53
124	NOMAD_Ingress			2025 JAN 28 17:20:54
125			LNO_Dayside	2025 JAN 28 19:18:54
126				2025 JAN 28 21:16:51
127	NOMAD_Ingress	NOMAD_Egress		2025 JAN 28 23:14:45
128			LNO_Dayside	2025 JAN 29 01:12:42
129	NOMAD_Ingress	NOMAD_Egress		2025 JAN 29 03:10:43
130			LNO_Dayside	2025 JAN 29 05:08:44
131	NOMAD_Ingress	NOMAD_Egress		2025 JAN 29 07:06:43
132	NOMAD_Ingress	NOMAD_Egress		2025 JAN 29 09:04:40
133			LNO_Dayside	2025 JAN 29 11:02:35
134	NOMAD_Ingress	NOMAD_Egress	LNO_Dayside	2025 JAN 29 13:00:31
135				2025 JAN 29 14:58:30
136	NOMAD_Ingress	NOMAD_Egress		2025 JAN 29 16:56:31
137	NOMAD_Ingress			2025 JAN 29 18:54:31
138			LNO_Dayside	2025 JAN 29 20:52:29
139	NOMAD_Ingress			2025 JAN 29 22:50:24
140				2025 JAN 30 00:48:19
141	NOMAD_Ingress	NOMAD_Egress		2025 JAN 30 02:46:18
142			LNO_Dayside	2025 JAN 30 04:44:19
143	NOMAD_Ingress	NOMAD_Egress		2025 JAN 30 06:42:19
144	NOMAD_Ingress	NOMAD_Egress		2025 JAN 30 08:40:16
145			LNO_Dayside	2025 JAN 30 10:38:11
146	NOMAD_Ingress	NOMAD_Egress	LNO_Dayside	2025 JAN 30 12:36:06
147				2025 JAN 30 14:34:03
148	NOMAD_Ingress	NOMAD_Egress		2025 JAN 30 16:32:03

149			LNO_Dayside	2025 JAN 30 18:30:02
150	NOMAD_Ingress	NOMAD_Egress		2025 JAN 30 20:28:01
151	NOMAD_Ingress			2025 JAN 30 22:25:57

Comments

SZA minimum ~49 degrees

Nadir crosses near Insight and Curiosity

Nadir crosses near Perseverance

Egress crosses near Olympus Mons

Egress crosses near Perseverance

Nadir crosses near Insight

SZA minimum ~40 degrees