

Cycle	Sun -12°	Sun -18°	Sun -18°	Sun -12°	Star Name	Minimum starts	Azi	Alt	Sun	Time of minimum	Azi	Alt	Sun	Minmum ends	Azi	Alt	Sun
-	19:34	20:16	02:28	03:10	MU Lac P 8.26	lun 12-08-13 18:17	228	33	0	mar 13-08-13 00:17	176	82	-30	mar 13-08-13 06:17	133	32	20
-	19:25	20:05	02:37	03:17	MU Lac P 4.13	dom 18-08-13 00:00	173	82	-33	dom 18-08-13 06:54	139	25	26	dom 18-08-13 13:48	198	8	46
1	19:19	19:59	02:41	03:21	MU Lac P 8.26	mer 21-08-13 00:31	138	78	-32	mer 21-08-13 06:31	137	26	21	mer 21-08-13 12:31	188	6	55
1	19:17	19:57	02:43	03:22	MU Lac P 4.13	gio 22-08-13 03:07	122	55	-14	gio 22-08-13 10:01	165	7	54	gio 22-08-13 16:55	224	28	12
2	19:10	19:48	02:49	03:28	MU Lac P 4.13	lun 26-08-13 06:14	138	26	17	lun 26-08-13 13:08	197	8	49	lun 26-08-13 20:02	239	57	-20
2	19:04	19:42	02:54	03:32	MU Lac P 8.26	gio 29-08-13 06:45	143	21	23	gio 29-08-13 12:45	195	8	50	gio 29-08-13 18:45	235	47	-9
3	19:02	19:39	02:56	03:33	MU Lac P 4.13	ven 30-08-13 09:21	164	8	47	ven 30-08-13 16:15	223	26	17	ven 30-08-13 23:09	173	82	-38
4	18:54	19:31	03:02	03:38	MU Lac P 4.13	mar 03-09-13 12:28	195	8	50	mar 03-09-13 19:22	238	55	-17	mer 04-09-13 02:16	122	54	-25
3	18:48	19:25	03:06	03:42	MU Lac P 8.26	ven 06-09-13 13:00	202	10	46	ven 06-09-13 19:00	238	54	-14	sab 07-09-13 01:00	121	65	-35
5	18:46	19:22	03:07	03:44	MU Lac P 4.13	sab 07-09-13 15:36	222	26	21	sab 07-09-13 22:30	182	82	-40	dom 08-09-13 05:24	138	26	6
6	18:36	19:12	03:14	03:50	MU Lac P 4.13	mer 11-09-13 18:43	238	54	-13	gio 12-09-13 01:37	122	56	-32	gio 12-09-13 08:31	164	8	37
4	18:31	19:06	03:18	03:53	MU Lac P 8.26	sab 14-09-13 19:14	239	61	-20	dom 15-09-13 01:14	121	57	-36	dom 15-09-13 07:14	155	12	24
7	18:29	19:04	03:20	03:55	MU Lac P 4.13	dom 15-09-13 21:50	191	82	-40	lun 16-09-13 04:44	137	27	-3	lun 16-09-13 11:38	195	8	48
8	18:21	18:55	03:25	04:00	MU Lac P 4.13	ven 20-09-13 00:57	121	57	-39	ven 20-09-13 07:51	163	8	29	ven 20-09-13 14:45	222	26	26
5	18:15	18:49	03:29	04:03	MU Lac P 8.26	lun 23-09-13 01:29	123	50	-36	lun 23-09-13 07:29	161	9	25	lun 23-09-13 13:29	214	18	36
9	18:13	18:47	03:30	04:04	MU Lac P 4.13	mar 24-09-13 04:04	136	28	-12	mar 24-09-13 10:58	194	7	46	mar 24-09-13 17:52	238	54	-9
10	18:06	18:40	03:35	04:09	MU Lac P 4.13	sab 28-09-13 07:12	162	9	21	sab 28-09-13 14:06	221	25	29	sab 28-09-13 21:00	190	82	-40
6	18:00	18:34	03:39	04:13	MU Lac P 8.26	mar 01-10-13 07:43	168	7	25	mar 01-10-13 13:43	220	23	31	mar 01-10-13 19:43	231	75	-30
11	17:59	18:32	03:40	04:14	MU Lac P 4.13	mer 02-10-13 10:19	193	7	42	mer 02-10-13 17:13	238	53	-4	gio 03-10-13 00:07	121	57	-48
12	17:51	18:25	03:45	04:18	MU Lac P 4.13	dom 06-10-13 13:26	220	24	31	dom 06-10-13 20:20	198	81	-38	lun 07-10-13 03:14	136	28	-23
7	17:46	18:20	03:49	04:22	MU Lac P 8.26	mer 09-10-13 13:57	225	29	26	mer 09-10-13 19:57	208	81	-35	gio 10-10-13 01:57	130	36	-37
13	17:45	18:18	03:50	04:23	MU Lac P 4.13	gio 10-10-13 16:33	237	52	0	gio 10-10-13 23:27	121	58	-53	ven 11-10-13 06:21	162	9	9
14	17:36	18:10	03:56	04:29	MU Lac P 4.13	lun 14-10-13 19:40	206	81	-34	mar 15-10-13 02:34	135	29	-32	mar 15-10-13 09:28	193	7	34
8	17:32	18:05	03:59	04:32	MU Lac P 8.26	gio 17-10-13 20:12	161	81	-40	ven 18-10-13 02:12	134	30	-36	ven 18-10-13 08:12	183	5	24
15	17:30	18:03	04:00	04:34	MU Lac P 4.13	ven 18-10-13 22:48	121	59	-56	sab 19-10-13 05:42	161	9	1	sab 19-10-13 12:36	220	24	32
16	17:24	17:57	04:05	04:38	MU Lac P 4.13	mer 23-10-13 01:55	135	30	-40	mer 23-10-13 08:49	192	7	27	mer 23-10-13 15:43	237	52	5
9	17:20	17:53	04:09	04:42	MU Lac P 8.26	sab 26-10-13 02:26	139	25	-36	sab 26-10-13 08:26	190	6	24	sab 26-10-13 14:26	233	42	17
17	17:19	17:52	04:10	04:43	MU Lac P 4.13	dom 27-10-13 05:02	160	10	-8	dom 27-10-13 11:56	219	23	32	dom 27-10-13 18:50	205	81	-29
18	17:13	17:47	04:14	04:48	MU Lac P 4.13	gio 31-10-13 08:09	191	6	20	gio 31-10-13 15:03	237	51	10	gio 31-10-13 21:57	121	59	-58
10	17:10	17:43	04:18	04:51	MU Lac P 8.26	dom 03-11-13 08:41	197	8	23	dom 03-11-13 14:41	236	49	12	dom 03-11-13 20:41	123	69	-49
19	17:09	17:42	04:19	04:52	MU Lac P 4.13	lun 04-11-13 11:16	218	22	31	lun 04-11-13 18:10	212	80	-24	mar 05-11-13 01:04	135	30	-51
20	17:04	17:38	04:24	04:57	MU Lac P 4.13	ven 08-11-13 14:24	236	49	14	ven 08-11-13 21:18	121	61	-56	sab 09-11-13 04:12	160	10	-20
11	17:02	17:35	04:27	05:01	MU Lac P 8.26	lun 11-11-13 14:55	238	56	8	lun 11-11-13 20:55	121	62	-53	mar 12-11-13 02:55	151	14	-34
21	17:00	17:34	04:29	05:03	MU Lac P 4.13	mar 12-11-13 17:31	217	79	-18	mer 13-11-13 00:25	134	31	-59	mer 13-11-13 07:19	191	6	10
22	16:57	17:31	04:33	05:07	MU Lac P 4.13	sab 16-11-13 20:38	121	62	-51	dom 17-11-13 03:32	158	10	-29	dom 17-11-13 10:26	218	22	27
12	16:55	17:29	04:37	05:11	MU Lac P 8.26	mar 19-11-13 21:09	122	55	-57	mer 20-11-13 03:09	157	11	-33	mer 20-11-13 09:09	210	15	22
23	16:54	17:28	04:38	05:12	MU Lac P 4.13	mer 20-11-13 23:45	133	32	-65	gio 21-11-13 06:39	189	6	3	gio 21-11-13 13:33	236	49	17
24	16:52	17:26	04:42	05:16	MU Lac P 4.13	lun 25-11-13 02:52	157	11	-37	lun 25-11-13 09:46	217	21	23	lun 25-11-13 16:40	217	80	-10
13	16:51	17:25	04:45	05:19	MU Lac P 8.26	gio 28-11-13 03:24	164	8	-32	gio 28-11-13 09:24	216	20	21	gio 28-11-13 15:24	236	71	2
25	16:51	17:25	04:46	05:20	MU Lac P 4.13	ven 29-11-13 06:00	188	6	-5	ven 29-11-13 12:54	236	48	20	ven 29-11-13 19:48	121	62	-44
26	16:50	17:24	04:50	05:24	MU Lac P 4.13	mar 03-12-13 09:07	217	20	19	mar 03-12-13 16:01	221	79	-4	mar 03-12-13 22:55	133	32	-69
14	16:49	17:24	04:52	05:27	MU Lac P 8.26	ven 06-12-13 09:38	221	25	21	ven 06-12-13 15:38	226	77	-1	ven 06-12-13 21:38	127	41	-62

Time UT