



Wits Planetarium

March 2021

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In this newsletter:

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- Astronomical Events

Shows

All shows will be listed on our website when confirmed by the presenter. For the show schedule please visit our website: <http://www.planetarium.co.za/publicshows.shtml>

Date	Time	Show	Presenter
Sat 6 Mar	10:30 a.m.	Space Travel [5 – 8 yrs]	Ray Masingi
Sat 13 Mar	10:30 a.m.	Secret of the Cardboard Rocket [8 – 12 yrs]	Ronnie Lambani
Sat 20 Mar	10:30 a.m.	Space Travel [5 – 8 yrs]	Ray Masingi
Sat 27 Mar	10:30 a.m.	Secret of the Cardboard Rocket [8 – 12 yrs]	Ronnie Lambani

Tickets available at Webtickets only.

Entry fee:

Space Travel / Secret of the Cardboard Rocket - R40 per person.

Moon Phases

Last Quarter:	6 Mar
New Moon:	13 Mar
First Quarter:	21 Mar
Full Moon	28 Mar

Sunrise/set and Moonrise/set for Johannesburg – March 2021

Date	Day	Sunrise	Sunset	Moonrise	Moonset
		h m	h m	h m	h m
1	Mon	06:02	18:38	20:25	07:58
2	Tue	06:02	18:37	21:03	09:02
3	Wed	06:03	18:36	21:43	10:06
4	Thu	06:03	18:35	22:27	11:11
5	Fri	06:04	18:34	23:14	12:17
6	Sat	06:04	18:33	--:--	13:22
7	Sun	06:05	18:32	00:07	14:24
8	Mon	06:05	18:31	01:04	15:21
9	Tue	06:06	18:30	02:04	16:13
10	Wed	06:06	18:29	03:04	16:58
11	Thu	06:07	18:28	04:04	17:39
12	Fri	06:08	18:27	05:02	18:15
13	Sat	06:08	18:26	05:57	18:48
14	Sun	06:09	18:25	06:51	19:19
15	Mon	06:09	18:24	07:43	19:49
16	Tue	06:10	18:23	08:35	20:20
17	Wed	06:10	18:22	09:27	20:53
18	Thu	06:11	18:21	10:19	21:27
19	Fri	06:11	18:20	11:13	22:06
20	Sat	06:11	18:19	12:07	22:49
21	Sun	06:12	18:18	13:01	23:36
22	Mon	06:12	18:17	13:55	--:--
23	Tue	06:13	18:15	14:46	00:29
24	Wed	06:13	18:14	15:34	01:27
25	Thu	06:14	18:13	16:19	02:27
26	Fri	06:14	18:12	17:01	03:30
27	Sat	06:15	18:11	17:40	04:34
28	Sun	06:15	18:10	18:19	05:38
29	Mon	06:16	18:09	18:57	06:43
30	Tue	06:16	18:08	19:38	07:49
31	Wed	06:17	18:07	20:21	08:57

Data calculated using MICA, US Naval Observatory

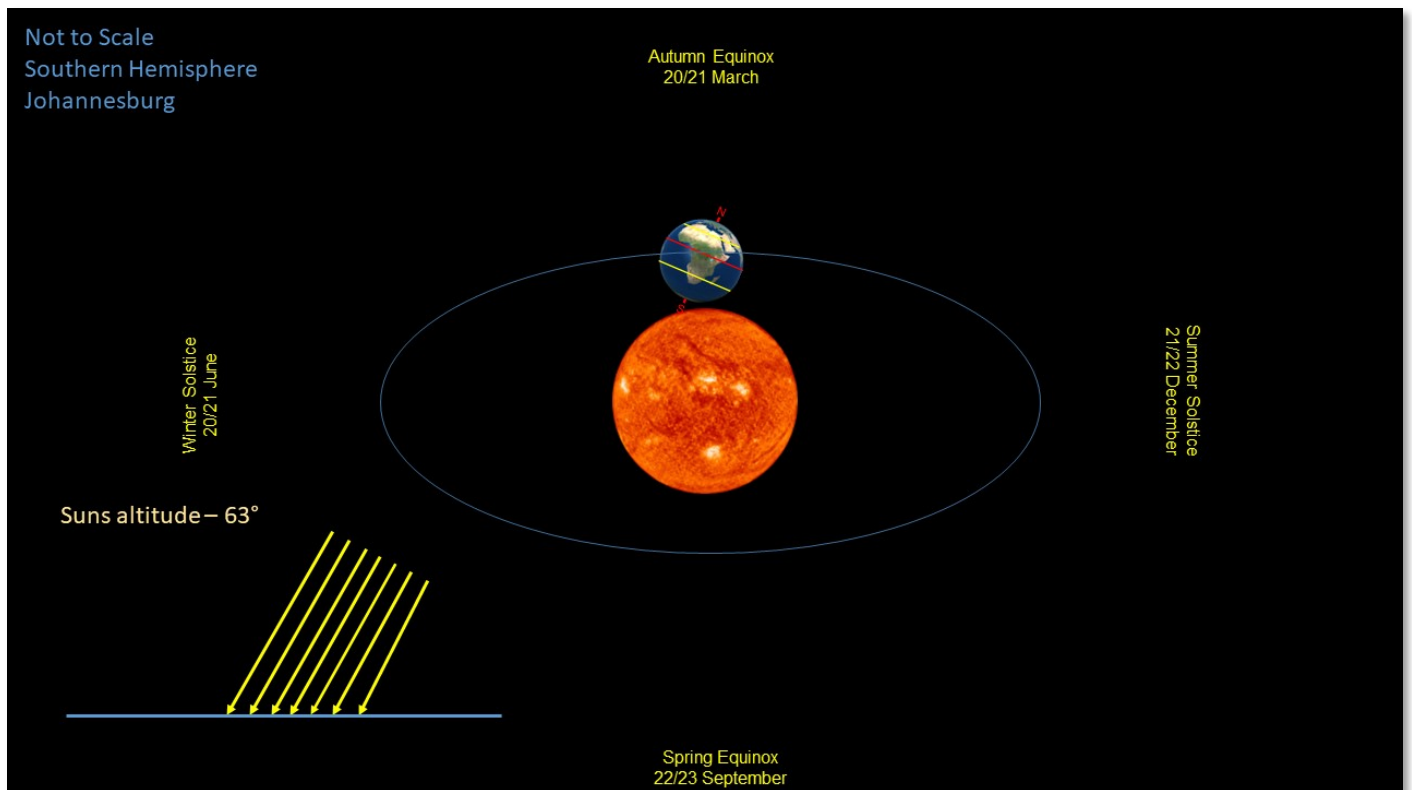
Astronomical Events – March 2021

Date	Time	Event
2	07:19	Moon at Perigee: 365,422 km
4	01:36	Mars 2.6°S of Pleiades
5	07:00	Mercury 0.3°N of Jupiter
6	02:56	Moon at Descending Node
	03:30	LAST QUARTER MOON
	13:00	Mercury at Greatest Elong: 27.3°W
10	01:02	Saturn 3.7°N of Moon
	17:35	Jupiter 4.0°N of Moon

Date	Time	Event
11	02:00	Neptune in Conjunction with Sun
	03:02	Mercury 3.7°N of Moon
13	12:21	NEW MOON
14	04:00	Mercury at Aphelion (farthest from the Sun)
18	07:04	Moon at Apogee: 405,253 km
19	19:48	Mars 1.9°N of Moon
20	05:31	Moon at Ascending Node
	11:37	Vernal Equinox (Autumn Southern Hemisphere)
21	16:40	FIRST QUARTER MOON
23	12:26	Pollux 3.5°N of Moon
26	02:17	Regulus 4.7°S of Moon
	08:00	Venus at Superior Conjunction
28	20:48	FULL MOON
30	08:12	Moon at Perigee: 360,311 km

Sky Events Calendar by Fred Espenak and Sumit Dutta (NASA's GSFC)

Autumn Equinox 20 March



Mars close to Pleiades on 4 March
at 7:30 p.m.



Image: Stellarium

Morning of 5 March before sunrise
at 5 a.m.



Image: Stellarium

Enjoy

Clear skies
Constant