



Wits Planetarium

April 2021

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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>

Moon Phases

Last Quarter:	4 Apr
New Moon:	12 Apr
First Quarter:	20 Apr
Full Moon	27 Apr

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

Date	Day	Sunrise	Sunset	Moonrise	Moonset
		h m	h m	h m	h m
1	Thu	06:17	18:06	21:08	10:05
2	Fri	06:18	18:05	22:01	11:13
3	Sat	06:18	18:04	22:58	12:18
4	Sun	06:19	18:03	23:58	13:18
5	Mon	06:19	18:02	--:--	14:12
6	Tue	06:19	18:01	00:58	14:59
7	Wed	06:20	18:00	01:58	15:40
8	Thu	06:20	17:59	02:56	16:16
9	Fri	06:21	17:58	03:52	16:49
10	Sat	06:21	17:57	04:45	17:21
11	Sun	06:22	17:56	05:37	17:51
12	Mon	06:22	17:55	06:29	18:21
13	Tue	06:23	17:54	07:21	18:53
14	Wed	06:23	17:53	08:13	19:27
15	Thu	06:24	17:52	09:06	20:03
16	Fri	06:24	17:51	10:00	20:44
17	Sat	06:25	17:50	10:54	21:30
18	Sun	06:25	17:49	11:48	22:20
19	Mon	06:26	17:48	12:39	23:15
20	Tue	06:26	17:47	13:27	--:--
21	Wed	06:27	17:46	14:12	00:13
22	Thu	06:27	17:45	14:54	01:13
23	Fri	06:28	17:44	15:33	02:14
24	Sat	06:28	17:44	16:11	03:17
25	Sun	06:29	17:43	16:49	04:21
26	Mon	06:29	17:42	17:28	05:26
27	Tue	06:30	17:41	18:10	06:34
28	Wed	06:30	17:40	18:57	07:43
29	Thu	06:31	17:39	19:49	08:54
30	Fri	06:31	17:39	20:46	10:03

Data calculated using MICA, US Naval Observatory

Astronomical Events – April 2021

Date	Time	Event
1	22:49	Antares 4.9°S of Moon
2	04:41	Moon at Descending Node
4	12:02	LAST QUARTER MOON
6	10:34	Saturn 4.0°N of Moon
7	09:15	Jupiter 4.4°N of Moon
12	04:31	NEW MOON
14	19:47	Moon at Apogee: 406,120 km
16	07:53	Moon at Ascending Node
17	14:09	Mars 0.1°N of Moon: Occn.

Date	Time	Event
19	04:00	Mercury at Superior Conjunction
	20:18	Pollux 3.2°N of Moon
20	08:59	FIRST QUARTER MOON
22	14:00	Lyrids Meteor Shower
27	03:00	Mercury at Perihelion
	05:31	FULL MOON
	17:24	Moon at Perigee: 357,379 km
29	08:07	Antares 4.8°S of Moon
	11:17	Moon at Descending Node
30	23:00	Uranus in Conjunction with Sun

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

Lyrids Meteor Shower

Active from: 16 - 25 April

Maximum: 22 April (3:00 p.m.)

Constellation: Lyra the lyre

The shower is expected to produce about 20 meteors per hour at maximum. Looking in a north-easterly direction between 2 am - 5 am. The Lyrids have been observed for the past 2,600 years. This showers parent comet is comet C/1861 G1 Thatcher, which is a long-period comet (415 years).



Image: Cartes du Ciel

Moon close to Mars on 17 April at 7 p.m.



Image: Stellarium

Moon occultation with star Acrab (in Scorpius) on 28 April from 9:45 p.m. for Johannesburg



Image: Stellarium

Enjoy

Clear skies
Constant