Wits Planetarium
February 2022

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In this newsletter:

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- Astronomical Events
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Shows

Shows should start Mid-February. Details will be posted on the Planetarium website.

When entering the University at Security:

- People will have to show ID's;
- Have completed the Wits Covid-19 screening questionnaire;
- Present their vaccination certificate Ver.2 with QR code for scanning (all persons 12+years).

For details on the University MVAX policy, please see: https://www.wits.ac.za/media/wits-university/news-and-events/images/covid-19/Wits%20Covid-19%20Vaccination%20Policy_26.11.21.pdf
And
https://www.wits.ac.za/covid19/vaccine-implementation/visitors/

Moon Phases

New Moon:	1 Feb
First Quarter:	8 Feb
Full Moon:	16 Feb
Last Quarter:	24 Feb

Sunrise/set and Moonrise/set for Johannesburg – February 2022

Date	Day	Sunrise	Sunset	Moonrise	Moonset
		h m	h m	h m	h m
1	Tue	05:43	19:00	05:37	19:34
2	Wed	05:43	18:59	06:45	20:17
3	Thu	05:44	18:59	07:49	20:55
4	Fri	05:45	18:58	08:50	21:29
5	Sat	05:46	18:58	09:47	22:01
6	Sun	05:46	18:57	10:43	22:33
7	Mon	05:47	18:56	11:37	23:05
8	Tue	05:48	18:56	12:31	23:40
9	Wed	05:49	18:55	13:26	--:--
10	Thu	05:49	18:55	14:20	00:17
11	Fri	05:50	18:54	15:14	00:58
12	Sat	05:51	18:53	16:07	01:44
13	Sun	05:51	18:52	16:57	02:35
14	Mon	05:52	18:52	17:43	03:29
15	Tue	05:53	18:51	18:25	04:25
16	Wed	05:53	18:50	19:04	05:23
17	Thu	05:54	18:49	19:40	06:21
18	Fri	05:55	18:48	20:13	07:18
19	Sat	05:55	18:48	20:46	08:16
20	Sun	05:56	18:47	21:20	09:14
21	Mon	05:57	18:46	21:55	10:13
22	Tue	05:57	18:45	22:34	11:14
23	Wed	05:58	18:44	23:18	12:18
24	Thu	05:58	18:43	--:--	13:25
25	Fri	05:59	18:42	00:09	14:31
26	Sat	06:00	18:41	01:07	15:35
27	Sun	06:00	18:40	02:10	16:33
28	Mon	06:01	18:40	03:17	17:24

Data calculated using MICA, US Naval Observatory

Astronomical Events – February 2022

Date	Time	Astronomical Event
1	07:46	NEW MOON
2	23:08	Jupiter 4.3°N of Moon
4	21	Saturn in Conjunction with Sun
8	15:50	FIRST QUARTER MOON
9	08:12	Moon at Ascending Node
9	10:24	Pleiades 4.1°N of Moon
11	04:39	Moon at Apogee: 404,897 km
14	00:52	Pollux 2.6°N of Moon
16	18:57	FULL MOON
16	23	Mercury at Greatest Elong: 26.3°W
23	08:54	Moon at Descending Node

Date	Time	Astronomical Event
24	00:32	LAST QUARTER MOON
24	07:17	Antares 3.5°S of Moon
27	00:18	Moon at Perigee: 367,787 km
27	11:00	Mars 3.5°N of Moon
28	22:07	Mercury 3.7°N of Moon

Planetary Ephemeris Data Courtesy of Fred Espenak, www.Astropixels.com

Naked Eye Planets Rise and Set Times for Johannesburg

Date	Mercury			Venus			Mars		
	Rise	Transit	Set	Rise	Transit	Set	Rise	Transit	Set
	h m	h m	h m	h m	h m	h m	h m	h m	h m
01-Feb	04:29	11:07	17:45	03:34	10:08	16:43	02:54	09:47	16:39
08-Feb	04:00	10:42	17:24	03:12	09:48	16:24	02:49	09:41	16:34
15-Feb	03:54	10:36	17:19	02:58	09:34	16:10	02:45	09:36	16:27
22-Feb	04:00	10:41	17:23	02:48	09:25	16:02	02:41	09:31	16:20
01-Mar	04:13	10:51	17:29	02:43	09:20	15:56	02:38	09:25	16:13

Date	Jupiter			Saturn		
	Rise	Transit	Set	Rise	Transit	Set
	h m	h m	h m	h m	h m	h m
01-Feb	07:38	13:59	20:20	05:58	12:34	19:11
08-Feb	07:17	13:37	19:57	05:35	12:10	18:46
15-Feb	06:57	13:16	19:35	05:11	11:46	18:21
22-Feb	06:37	12:55	19:12	04:47	11:22	17:56
01-Mar	06:17	12:33	18:49	04:23	10:58	17:32

Data calculated using MICA, US Naval Observatory
Transit = "passage of a celestial body across an observer's meridian above the celestial pole"

Planets on 10 February at 4:30 a.m.

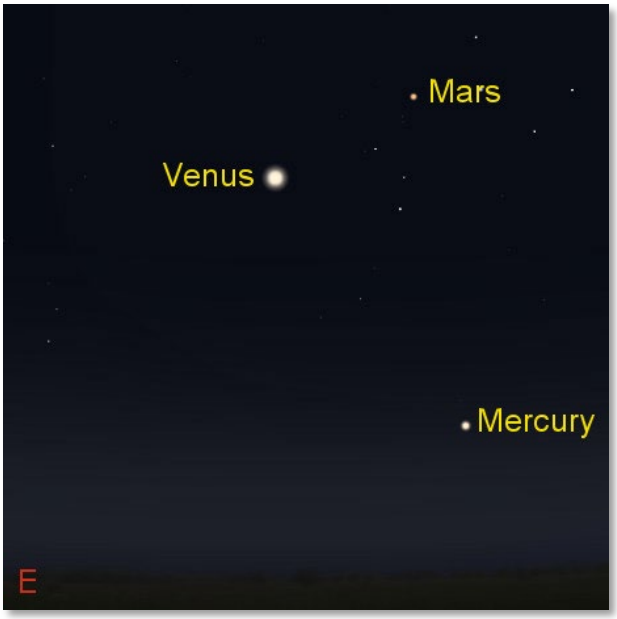

Image: Stellarium

Planets on 15 February at 4:30 a.m.

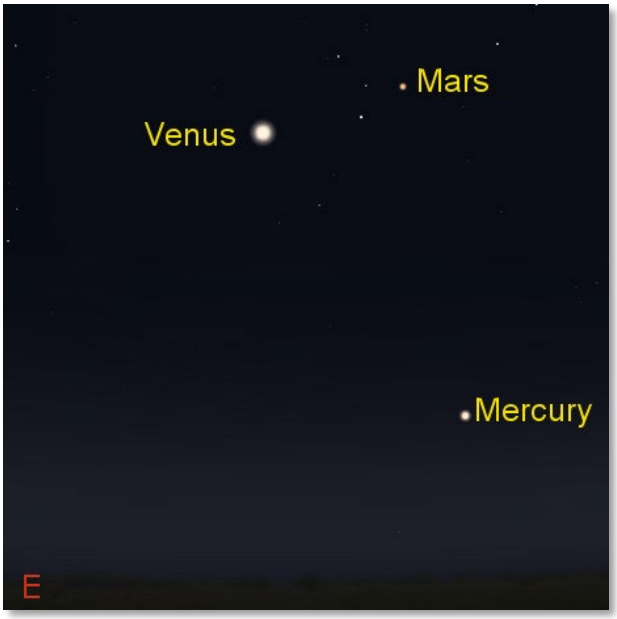

Image: Stellarium

Planets on 20 February at 4:30 a.m.

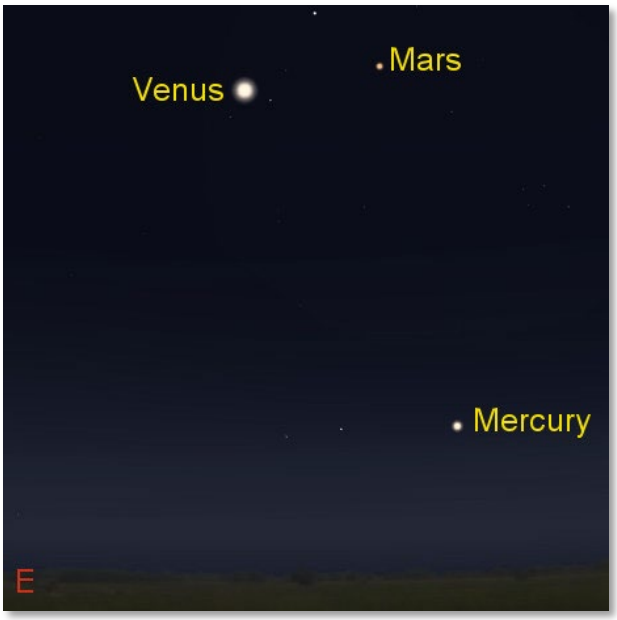

Image: Stellarium

Planets on 28 February at 4:30 a.m.

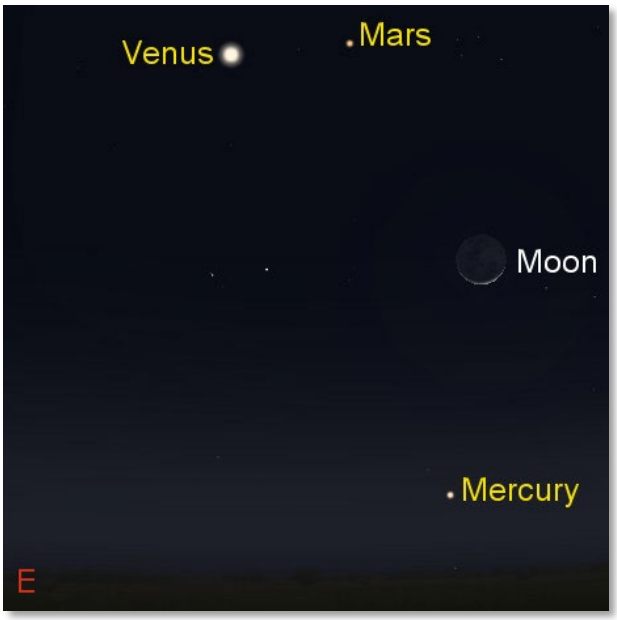

Image: Stellarium

Enjoy

Clear skies
Constant