



فرساتوان أسترونومي نكارا بروني دارالسلام

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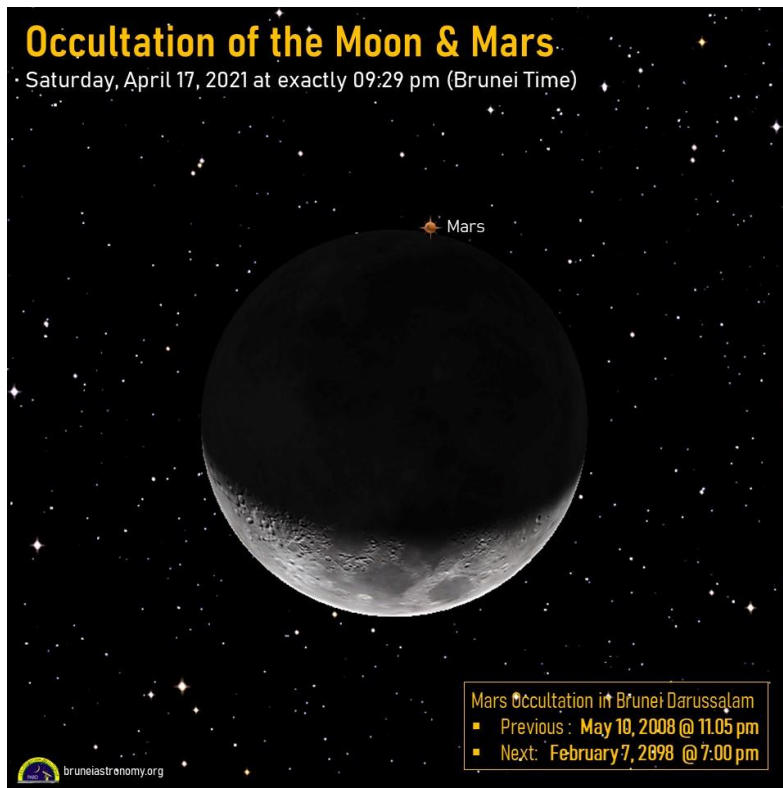
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## Press Release: Rare Mars Occultation sets on Apr 17, 2021

By the Astronomical Society of Brunei Darussalam  
11 April 2021

**Bandar Seri Begawan - Given** clear skies, stargazers in Brunei can watch the red planet Mars disappear behind the crescent moon on Saturday night, April 17, 2021.

The Moon will pass in front of Mars, creating a lunar occultation visible from only small region of central Asia including Brunei Darussalam.



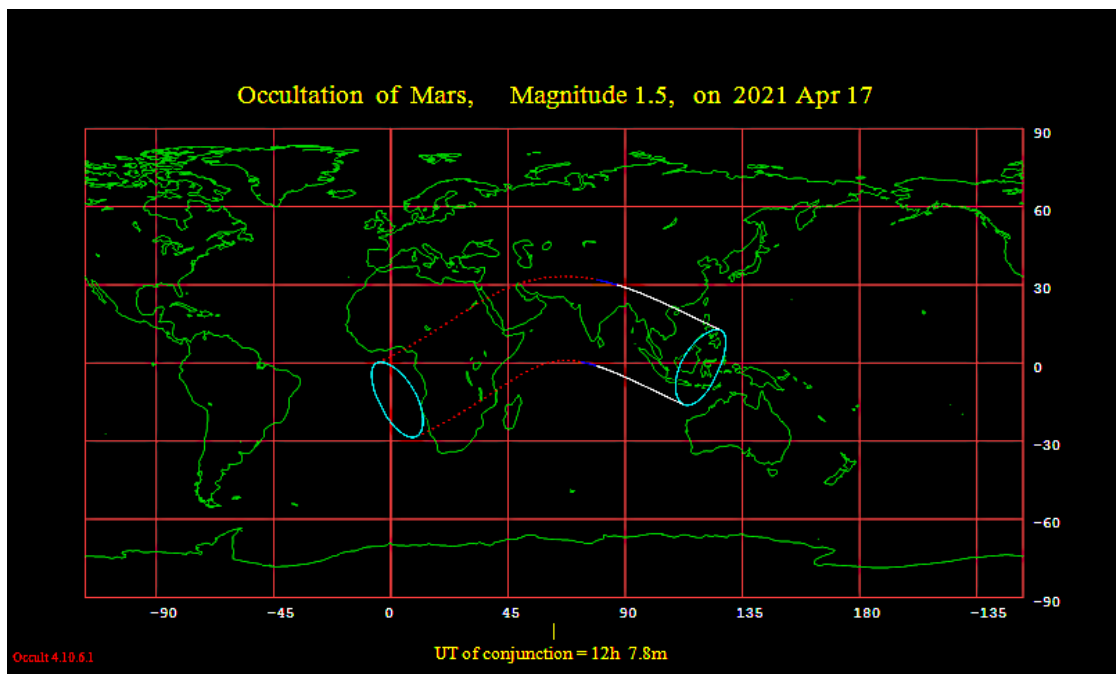
*Above: Watch Mars disappear behind the moon on Saturday, April 17, 2021*

An occultation is an astronomical phenomenon when one object is obscured by another object that passes between it and the observer.

The celestial spectacle will occur at exactly 9:29 p.m. local time when the Moon quickly covers Mars up from Brunei.

The bright planet Mars will slip behind the moon's dark side and will be visible to the naked eyes. From Brunei, the Moon will be low on the horizon during the event and lunar gazer must be at location unobstructed view of the Western sky.

Since the Moon is our nearest cosmic neighbor, it regularly passes in front of planets or bright stars in the sky. But occultations by the Moon and Mars from the same location on Earth is exceedingly a rare occurrence. Previous Mars occultation from Brunei happened in May 2008. The next similar event in Brunei is set to take place 77 years later, on February 7, 2098.



World Visibility map of Mars Occultation: The above map outlines the occultation viewing area of a narrow zone on Earth (cyan=occultation at moonrise/moonset; red dotted=daytime occultation; blue=twilight occultation; white=nighttime occultation). Source: The International Occultation Timing Association

- The End -

**Jadual Fenomena Penghijaban Bulan dengan Planet & Bintang (Mag <1.0)**  
**Tahun 2000 - 2099 bagi BSB, Brunei Darussalam**

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	<b>Occultation Date</b>	<b>Immersion</b>	<b>Emmersion</b>	<b>Object</b>	<b>Mag.</b>
1	Sunday, August 14, 2005	21:27	22:41	Antares	0.96
2	Friday, April 14, 2006	0:52	2:24	Spica	0.98
3	Sunday, May 14, 2006	21:01	21:27	Antares	0.96
4	Saturday, May 10, 2008	23:05	23:49	Mars	1.49
5	Wednesday, February 18, 2009	2:30	3:28	Antares	0.96
6	Sunday, May 16, 2010	19:34	20:34	Venus	-3.38
7	Sunday, August 12, 2012	2:20	3:19	Jupiter	-1.8
8	Thursday, March 28, 2013	20:51	21:54	Spica	0.98
9	Tuesday, September 19, 2017	5:04	5:51	Mercury	-0.79
10	Saturday, April 17, 2021	21:29	22:33	Mars	1.64
11	Friday, March 24, 2023	20:05	20:33	Venus	-3.48
12	Saturday, April 27, 2024	5:33	6:35	Antares	0.96
13	Saturday, August 10, 2024	19:23	20:38	Spica	0.98
14	Tuesday, February 3, 2032	6:18	7:53	Spica	0.98
15	Monday, April 12, 2038	23:33	0:32	Jupiter	-1.74
16	Sunday, June 9, 2041	18:16	19:01	Saturn	1.16
17	Wednesday, March 4, 2043	0:52	1:55	Antares	0.96
18	Thursday, May 21, 2043	3:04	4:04	Spica	0.98
19	Sunday, May 24, 2043	20:55	21:55	Antares	0.96
20	Friday, December 8, 2045	5:49	6:46	Antares	0.96
21	Wednesday, February 28, 2046	0:21	1:11	Antares	0.96
22	Saturday, July 14, 2046	21:03	22:12	Antares	0.96
23	Thursday, May 14, 2048	19:16	20:02	Mercury	1.64
24	Friday, March 11, 2050	21:12	21:53	Spica	0.98
25	Sunday, July 13, 2053	3:08	3:42	Aldebaran	0.85
26	Thursday, October 2, 2053	23:13	0:03	Aldebaran	0.85
27	Monday, April 6, 2054	5:26	5:45	Saturn	1.38
28	Saturday, May 7, 2061	2:35	4:21	Antares	0.96
29	Wednesday, July 27, 2061	22:31	23:50	Antares	0.96
30	Wednesday, October 12, 2061	5:57	6:54	Mercury	0.33
31	Tuesday, January 31, 2062	3:36	5:06	Spica	0.98
32	Sunday, March 26, 2062	21:56	23:06	Spica	0.98
33	Monday, April 9, 2063	17:49	18:44	Jupiter	-1.91
34	Friday, May 30, 2064	17:55	18:47	Antares	0.96
35	Monday, October 6, 2064	5:03	6:26	Saturn	1.22
36	Monday, November 10, 2064	18:20	19:18	Antares	0.96
37	Tuesday, July 14, 2065	23:14	23:49	Antares	0.96
38	Monday, February 11, 2069	23:54	0:45	Spica	0.98
39	Sunday, October 2, 2072	22:21	23:17	Aldebaran	0.85
40	Tuesday, December 10, 2075	18:00	19:02	Venus	-3.43
41	Sunday, January 5, 2076	4:44	5:33	Saturn	1.46
42	Tuesday, April 9, 2080	0:12	1:19	Antares	0.96
43	Thursday, October 2, 2081	5:32	6:24	Mercury	1.64
44	Tuesday, February 29, 2084	5:48	6:20	Antares	0.96
45	Friday, November 17, 2084	4:11	5:50	Jupiter	-2.12
46	Tuesday, September 7, 2088	5:37	7:09	Saturn	0.95
47	Wednesday, April 30, 2092	1:13	2:13	Jupiter	-1.81
48	Friday, February 7, 2098	19:00	20:29	Mars	1.11
49	Sunday, April 13, 2098	22:24	23:43	Saturn	0.93
50	Wednesday, May 6, 2099	21:10	21:43	Antares	0.96