Moon Crescent Visibility

2027

The new crescent Moon can generally be seen only if it sets at least 46 minutes after the Sun has set** Astronomers at SA Astronomical Observatory have however sighted the Moon earlier – setting at least 33 min after sunset – from Signal Hill in Cape Town, but only if the age of the Moon is at least 24hr old at sunset. The table below gives "Moonset lag" values for each month.

All Times are given in South African Standard Time.

2027			Cape Town				Johannesburg				
New Moon	Time	Date	Sunset	Moonset	Lag H:M	Age at Sunset H:M	Sunset	Moonset	Lag H:M	Age at Sunset H:M	
Jan 07	22:24	Jan 07	20:01	20:03	00:02	--:--	19:05	19:03	--:--	--:--	A
		Jan 08	20:01	20:41	00:40	21:37	19:05	19:44	00:39	20:41	B
		Jan 09	20:01	21:14	01:13	46:50	19:05	20:20	01:15	44:41	C
Feb 06	17:56	Feb 06	19:47	19:46	--:--	01:51	18:57	18:55	--:--	01:01	A
		Feb 07	19:47	20:13	00:26	25:51	18:57	19:27	00:30	25:01	B
		Feb 08	19:46	20:39	00:53	49:50	18:56	19:56	01:00	49:00	C
Mar 08	11:29	Mar 08	19:14	19:08	--:--	07:45	18:32	18:28	--:--	07:03	A
		Mar 09	19:12	19:34	00:22	31:43	18:31	18:59	00:28	31:02	B
		Mar 10	19:11	20:01	00:50	55:42	18:30	19:31	01:01	55:01	C
Apr 07	01:51	Apr 07	18:34	18:33	--:--	16:43	18:00	18:05	00:05	16:09	A
		Apr 08	18:32	19:07	00:35	40:41	17:59	18:44	00:45	40:08	C
May 06	12:59	May 06	18:01	17:43	--:--	05:02	17:35	17:21	--:--	04:36	A
		May 07	18:01	18:30	00:29	29:02	17:34	18:12	00:38	28:35	B
		May 08	17:59	19:29	01:30	53:00	17:33	19:10	01:37	52:34	C
Jun 04	21:40	Jun 04	17:44	17:11	--:--	--:--	17:23	16:54	--:--	--:--	A
		Jun 05	17:44	18:14	00:30	20:04	17:23	17:58	00:35	19:43	B
		Jun 06	17:44	19:25	01:41	44:04	17:23	19:07	01:44	43:43	C
Jul 04	05:02	Jul 04	17:49	18:15	00:26	12:47	17:29	17:55	00:26	12:27	A
		Jul 05	17:50	19:32	01:42	36:48	17:29	19:07	01:38	36:27	C
Aug 02	12:05	Aug 02	18:07	18:20	00:13	06:02	17:42	17:53	00:11	05:37	A
		Aug 03	18:08	19:35	01:27	30:03	17:42	19:03	01:21	29:37	C

New Moon	Time	Date	Cape Town				Johannesburg				
			Sunset	Moonset	Lag H:M	Age at Sunset H:M	Sunset	Moonset	Lag H:M	Age at Sunset H:M	
Aug 31	19:41	Aug 31	18:27	18:21	--:--	--:--	17:55	17:46	--:--	--:--	A
		Sep 01	18:28	19:32	01:04	22:47	17:55	18:52	00:57	22:14	B
		Sep 02	18:29	20:42	02:13	46:48	17:56	19:56	02:00	46:15	C
Sep 30	04:36	Sep 30	18:48	19:27	00:39	14:12	18:07	18:39	00:32	13:31	B
		Oct 01	18:49	20:36	01:47	38:13	18:08	19:43	01:35	37:32	C
Oct 29	15:36	Oct 29	19:11	19:23	00:12	03:35	18:23	18:28	00:05	02:47	A
		Oct 30	19:12	20:31	01:19	27:36	18:23	19:32	01:09	26:47	B
		Oct 31	19:13	21:35	02:22	51:37	18:24	20:33	02:09	50:48	C
Nov 28	05:24	Nov 28	19:40	20:21	00:41	14:16	18:44	19:19	00:35	13:20	B
		Nov 29	19:40	21:16	01:36	38:16	18:45	20:14	01:29	37:21	C
Dec 27	22:12	Dec 27	19:59	19:58	--:--	--:--	19:02	18:57	--:--	--:--	A
		Dec 28	19:59	20:42	00:43	21:47	19:02	19:43	00:41	20:50	B
		Dec 29	20:00	21:19	01:19	45:48	19:03	20:24	01:21	44:51	C

A= Not Visible **B = Visible with optical aid only** **C = Easily visible with naked eye**

** For S African latitudes, and according to Mohammad Ilyas, writing in Quarterly Journal of the Royal Astronomical Society v35 p425 (1994).

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