

Moon Crescent Visibility

2010

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 33min 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 these "Moonset lag" values for each month.

2010		CAPE TOWN				JOHANNESBURG			
NEW MOON	DATE	SUNSET	MOONSET	LAG	AGE AT SUNSET	SUNSET	MOONSET	LAG	AGE AT SUNSET
Jan 15 th 09:11	Jan 15 th	20:00	20:10	10min	11hr	19:05	19:15	10min	10hr
	Jan 16 th	20:00	20:41	41min	35hr	19:05	19:50	45min	34hr
Feb 14 th 04:51	Feb 14 th	19:40	19:41	1min	15hr	18:52	18:56	4min	14hr
	Feb 15 th	19:39	20:07	28min	39hr	18:51	19:26	35min	38hr
Mar 15 th 23:01	Mar 16 th	19:03	19:03	0min	20hr	18:23	18:29	6min	19.5hr
	Mar 17 th	19:02	19:32	30min	44hr	18:22	19:01	39min	43hr
Apr 14 th 14:29	Apr 14 th	18:25	18:05	---		17:53	17:36	---	
	Apr 15 th	18:24	18:40	16min	28hr	17:52	18:15	23min	27hr
	Apr 16 th	18:22	19:21	59min	52hr	17:51	18:59	68min	51hr
May 14 th 03:04	May 14 th	17:55	18:02	7min	15hr	17:30	17:42	12min	14.5hr
	May 15 th	17:54	18:56	62min	39hr	17:29	18:37	68min	38hr

2010		CAPE TOWN				JOHANNESBURG			
NEW MOON	DATE	SUNSET	MOONSET	LAG	AGE AT SUNSET	SUNSET	MOONSET	LAG	AGE AT SUNSET
Jun 12 th 13:15	Jun 12 th	17:44	17:43	---		17:23	17:24	1min	4hr
	Jun 13 th	17:44	18:49	65min	28hr	17:23	18:28	65min	28hr
Jul 11 th 21:40	Jul 12 th	17:54	18:51	57min	20hr	17:32	18:25	53min	20hr
Aug 10 th 05:08	Aug 10 th	18:13	18:52	39min	13hr	17:46	18:19	33min	12.5hr
	Aug 11 th	18:14	20:05	111min	37hr	17:46	19:26	100min	37hr
Sep 8 th 12:30	Sep 8 th	18:33	18:51	18min	6hr	17:58	18:10	12min	5.5hr
	Sep 9 th	18:34	20:03	89min	30hr	17:59	19:17	78min	30hr
Oct 7 th 20:44	Oct 8 th	18:54	20:00	66min	22hr	18:11	19:07	56min	21.5hr
Nov 6 th 06:52	Nov 6 th	19:19	19:56	37min	12.5hr	18:28	18:58	30min	11.5hr
	Nov 7 th	19:20	21:02	102min	37hr	18:29	20:02	93min	36hr
Dec 5 th 19:36	Dec 6 th	19:47	20:42	55min	24hr	18:50	19:43	53min	23hr

**Produced by the Jhb Planetarium, using MICA
All times are South African Standard Time.**

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