
 * The visibility of the Moon for Anno Hijra 1433, Muharram *
 * Lunation (Astronomical): 1100 Lunation (Islamic): 17185 *

Location: Mecca (Saudi Arabia)
 Longitude = 39.8240 East; Latitude = 21.4220 North; Time Zone = 3.0

Astronomical New Moon on: 25 November 2011 (Friday) at 9h 9.9m

Evening of 25 November 2011 (Friday)

	Sunset	Moon best visible	Moonset
Time	17h 37.3m	17h 43.3m	17h 50.7m
Altitude Sun above horizon	-0.27	-2.13	-3.74
Altitude Moon above horizon	2.16	1.05	-0.28
Azimuth Sun	247.98	248.51	249.16
Azimuth Moon	244.78	245.32	245.97
Azimuth difference Sun-Moon	-3.20	-3.20	-3.19
Angular separation Sun-Moon	4.02	4.51	4.71
Inclination lunar crescent	37.15	44.82	47.35
Lunar age (hours)	8.46	8.56	8.68

Evening of 26 November 2011 (Saturday)

	Sunset	Moon best visible	Moonset
Time	17h 37.3m	18h 10.8m	18h 52.6m
Altitude Sun above horizon	-0.27	-8.13	-17.40
Altitude Moon above horizon	14.09	7.65	-0.27
Azimuth Sun	247.77	250.62	253.76
Azimuth Moon	238.00	241.73	245.73
Azimuth difference Sun-Moon	-9.78	-8.89	-8.04
Angular separation Sun-Moon	17.31	18.09	18.87
Inclination lunar crescent	55.21	60.15	64.38
Lunar age (hours)	32.46	33.01	33.71

Evening of 27 November 2011 (Sunday)

	Sunset	Moon best visible	Moonset
Time	17h 37.3m	18h 38.6m	19h 55.4m
Altitude Sun above horizon	-0.27	-14.27	-31.52
Altitude Moon above horizon	25.81	14.55	-0.27
Azimuth Sun	247.57	252.55	257.65
Azimuth Moon	230.79	239.31	247.25
Azimuth difference Sun-Moon	-16.78	-13.24	-10.39
Angular separation Sun-Moon	30.70	31.55	32.76
Inclination lunar crescent	55.56	64.05	70.53
Lunar age (hours)	56.46	57.48	58.76

 * The visibility of the Moon for Anno Hijra 1433, Safar *
 * Lunation (Astronomical): 1101 Lunation (Islamic): 17186 *

Location: Mecca (Saudi Arabia)

Longitude = 39.8240 East; Latitude = 21.4220 North; Time Zone = 3.0

Astronomical New Moon on: 24 December 2011 (Saturday) at 21h 6.7m

Evening of 25 December 2011 (Sunday)

	Sunset	Moon best visible	Moonset
Time	17h 45.6m	18h 8.5m	18h 37.1m
Altitude Sun above horizon	-0.27	-5.71	-11.89
Altitude Moon above horizon	9.76	5.21	-0.27
Azimuth Sun	245.11	247.08	249.32
Azimuth Moon	243.46	245.83	248.52
Azimuth difference Sun-Moon	-1.66	-1.26	-0.79
Angular separation Sun-Moon	10.17	10.99	11.65
Inclination lunar crescent	80.57	83.39	86.07
Lunar age (hours)	20.65	21.03	21.51

Evening of 26 December 2011 (Monday)

	Sunset	Moon best visible	Moonset
Time	17h 46.1m	18h 35.8m	19h 38.0m
Altitude Sun above horizon	-0.27	-11.51	-25.20
Altitude Moon above horizon	22.11	12.22	-0.26
Azimuth Sun	245.15	249.22	253.38
Azimuth Moon	239.72	245.90	252.12
Azimuth difference Sun-Moon	-5.42	-3.32	-1.26
Angular separation Sun-Moon	23.00	23.94	24.97
Inclination lunar crescent	76.00	81.79	87.03
Lunar age (hours)	44.66	45.49	46.52

Evening of 27 December 2011 (Tuesday)

	Sunset	Moon best visible	Moonset
Time	17h 46.7m	19h 2.0m	20h 36.1m
Altitude Sun above horizon	-0.27	-17.11	-38.14
Altitude Moon above horizon	34.11	19.27	-0.26
Azimuth Sun	245.19	251.08	256.55
Azimuth Moon	235.57	246.76	256.63
Azimuth difference Sun-Moon	-9.62	-4.32	0.07
Angular separation Sun-Moon	35.54	36.52	37.88
Inclination lunar crescent	73.29	82.72	90.12
Lunar age (hours)	68.67	69.92	71.49

 * The visibility of the Moon for Anno Hijra 1433, Rabi` al-Awwal *
 * Lunation (Astronomical): 1102 Lunation (Islamic): 17187 *

Location: Mecca (Saudi Arabia)
 Longitude = 39.8240 East; Latitude = 21.4220 North; Time Zone = 3.0

Astronomical New Moon on: 23 January 2012 (Monday) at 10h 39.7m

Evening of 23 January 2012 (Monday)

	Sunset	Moon best visible	Moonset
Time	18h 4.4m	18h 11.6m	18h 20.6m
Altitude Sun above horizon	-0.27	-2.42	-4.39
Altitude Moon above horizon	2.89	1.45	-0.26
Azimuth Sun	249.35	250.00	250.78
Azimuth Moon	252.82	253.50	254.32
Azimuth difference Sun-Moon	3.46	3.50	3.54
Angular separation Sun-Moon	4.69	5.21	5.44
Inclination lunar crescent	137.64	132.18	130.68
Lunar age (hours)	7.41	7.53	7.68

Evening of 24 January 2012 (Tuesday)

	Sunset	Moon best visible	Moonset
Time	18h 5.0m	18h 37.2m	19h 17.3m
Altitude Sun above horizon	-0.27	-7.91	-16.89
Altitude Moon above horizon	14.94	8.06	-0.26
Azimuth Sun	249.61	252.37	255.48
Azimuth Moon	251.91	255.30	259.13
Azimuth difference Sun-Moon	2.30	2.93	3.65
Angular separation Sun-Moon	15.38	16.24	17.01
Inclination lunar crescent	98.71	100.54	102.57
Lunar age (hours)	31.42	31.96	32.63

Evening of 25 January 2012 (Wednesday)

	Sunset	Moon best visible	Moonset
Time	18h 5.7m	19h 1.7m	20h 11.6m
Altitude Sun above horizon	-0.27	-13.23	-29.09
Altitude Moon above horizon	26.88	14.76	-0.26
Azimuth Sun	249.87	254.52	259.54
Azimuth Moon	251.03	257.54	264.34
Azimuth difference Sun-Moon	1.15	3.02	4.80
Angular separation Sun-Moon	27.17	28.16	29.20
Inclination lunar crescent	92.53	96.41	99.87
Lunar age (hours)	55.43	56.37	57.53

 * The visibility of the Moon for Anno Hijra 1433, Rabi` al-Akhir *
 * Lunation (Astronomical): 1103 Lunation (Islamic): 17188 *

Location: Mecca (Saudi Arabia)

Longitude = 39.8240 East; Latitude = 21.4220 North; Time Zone = 3.0

Astronomical New Moon on: 22 February 2012 (Wednesday) at 1h 35.0m

Evening of 22 February 2012 (Wednesday)

	Sunset	Moon best visible	Moonset
Time	18h 21.6m	18h 36.0m	18h 54.0m
Altitude Sun above horizon	-0.27	-4.14	-8.27
Altitude Moon above horizon	6.56	3.42	-0.25
Azimuth Sun	259.31	260.60	262.18
Azimuth Moon	264.29	265.63	267.29
Azimuth difference Sun-Moon	4.98	5.03	5.11
Angular separation Sun-Moon	8.45	9.08	9.50
Inclination lunar crescent	126.21	123.77	122.67
Lunar age (hours)	16.78	17.02	17.32

Evening of 23 February 2012 (Thursday)

	Sunset	Moon best visible	Moonset
Time	18h 22.1m	18h 59.1m	19h 45.4m
Altitude Sun above horizon	-0.27	-9.36	-20.09
Altitude Moon above horizon	17.99	9.69	-0.25
Azimuth Sun	259.70	262.98	266.99
Azimuth Moon	264.74	268.28	272.53
Azimuth difference Sun-Moon	5.04	5.30	5.54
Angular separation Sun-Moon	18.92	19.77	20.57
Inclination lunar crescent	105.72	105.84	105.96
Lunar age (hours)	40.78	41.40	42.17

Evening of 24 February 2012 (Friday)

	Sunset	Moon best visible	Moonset
Time	18h 22.5m	19h 21.9m	20h 36.1m
Altitude Sun above horizon	-0.27	-14.53	-31.78
Altitude Moon above horizon	29.30	15.90	-0.25
Azimuth Sun	260.10	265.32	271.99
Azimuth Moon	265.24	270.91	277.56
Azimuth difference Sun-Moon	5.14	5.59	5.57
Angular separation Sun-Moon	29.97	30.94	31.97
Inclination lunar crescent	100.33	100.91	100.57
Lunar age (hours)	64.79	65.78	67.02

 * The visibility of the Moon for Anno Hijra 1433, Jumada 'l-Ula *
 * Lunation (Astronomical): 1104 Lunation (Islamic): 17189 *

Location: Mecca (Saudi Arabia)
 Longitude = 39.8240 East; Latitude = 21.4220 North; Time Zone = 3.0

Astronomical New Moon on: 22 March 2012 (Thursday) at 17h 37.5m

Evening of 23 March 2012 (Friday)

	Sunset	Moon best visible	Moonset
Time	18h 32.8m	18h 53.7m	19h 19.8m
Altitude Sun above horizon	-0.27	-5.69	-11.74
Altitude Moon above horizon	9.74	5.14	-0.25
Azimuth Sun	271.78	273.71	276.18
Azimuth Moon	276.24	278.06	280.40
Azimuth difference Sun-Moon	4.45	4.35	4.21
Angular separation Sun-Moon	10.95	11.67	12.23
Inclination lunar crescent	114.14	112.03	110.28
Lunar age (hours)	24.92	25.27	25.71

Evening of 24 March 2012 (Saturday)

	Sunset	Moon best visible	Moonset
Time	18h 33.1m	19h 16.3m	20h 10.2m
Altitude Sun above horizon	-0.27	-10.85	-23.23
Altitude Moon above horizon	20.74	11.13	-0.25
Azimuth Sun	272.21	276.24	281.81
Azimuth Moon	276.50	280.01	284.66
Azimuth difference Sun-Moon	4.29	3.77	2.85
Angular separation Sun-Moon	21.42	22.29	23.15
Inclination lunar crescent	101.82	99.98	97.27
Lunar age (hours)	48.93	49.65	50.54

Evening of 25 March 2012 (Sunday)

	Sunset	Moon best visible	Moonset
Time	18h 33.5m	19h 39.0m	21h 0.9m
Altitude Sun above horizon	-0.27	-16.00	-34.50
Altitude Moon above horizon	31.70	17.07	-0.25
Azimuth Sun	272.63	278.89	288.62
Azimuth Moon	276.68	281.55	288.26
Azimuth difference Sun-Moon	4.05	2.65	-0.36
Angular separation Sun-Moon	32.19	33.16	34.26
Inclination lunar crescent	97.62	94.86	89.36
Lunar age (hours)	72.93	74.02	75.39

 * The visibility of the Moon for Anno Hijra 1433, Jumada 'l-Akhira *
 * Lunation (Astronomical): 1105 Lunation (Islamic): 17190 *

Location: Mecca (Saudi Arabia)
 Longitude = 39.8240 East; Latitude = 21.4220 North; Time Zone = 3.0

Astronomical New Moon on: 21 April 2012 (Saturday) at 10h 18.8m

Evening of 21 April 2012 (Saturday)

	Sunset	Moon best visible	Moonset
Time	18h 42.3m	18h 48.5m	18h 56.1m
Altitude Sun above horizon	-0.27	-2.22	-3.93
Altitude Moon above horizon	2.41	1.20	-0.25
Azimuth Sun	283.40	283.97	284.69
Azimuth Moon	285.84	286.38	287.06
Azimuth difference Sun-Moon	2.45	2.41	2.38
Angular separation Sun-Moon	3.63	4.18	4.39
Inclination lunar crescent	132.43	125.32	122.81
Lunar age (hours)	8.39	8.49	8.62

Evening of 22 April 2012 (Sunday)

	Sunset	Moon best visible	Moonset
Time	18h 42.7m	19h 11.2m	19h 46.8m
Altitude Sun above horizon	-0.27	-7.24	-15.10
Altitude Moon above horizon	13.03	6.91	-0.25
Azimuth Sun	283.76	286.50	290.28
Azimuth Moon	284.83	287.07	290.10
Azimuth difference Sun-Moon	1.07	0.57	-0.18
Angular separation Sun-Moon	13.34	14.16	14.86
Inclination lunar crescent	94.65	92.33	89.31
Lunar age (hours)	32.40	32.87	33.47

Evening of 23 April 2012 (Monday)

	Sunset	Moon best visible	Moonset
Time	18h 43.1m	19h 34.0m	20h 37.6m
Altitude Sun above horizon	-0.27	-12.18	-25.80
Altitude Moon above horizon	23.82	12.76	-0.25
Azimuth Sun	284.12	289.18	297.05
Azimuth Moon	283.57	287.09	292.22
Azimuth difference Sun-Moon	-0.55	-2.10	-4.83
Angular separation Sun-Moon	24.09	25.03	25.98
Inclination lunar crescent	88.66	85.04	78.91
Lunar age (hours)	56.41	57.25	58.31

 * The visibility of the Moon for Anno Hijra 1433, Rajab *
 * Lunation (Astronomical): 1106 Lunation (Islamic): 17191 *

Location: Mecca (Saudi Arabia)
 Longitude = 39.8240 East; Latitude = 21.4220 North; Time Zone = 3.0

Astronomical New Moon on: 21 May 2012 (Monday) at 2h 47.4m

Evening of 21 May 2012 (Monday)

	Sunset	Moon best visible	Moonset
Time	18h 54.7m	19h 7.8m	19h 24.3m
Altitude Sun above horizon	-0.26	-3.65	-7.14
Altitude Moon above horizon	5.52	2.85	-0.25
Azimuth Sun	292.29	293.55	295.20
Azimuth Moon	290.55	291.63	293.04
Azimuth difference Sun-Moon	-1.74	-1.92	-2.15
Angular separation Sun-Moon	6.04	6.78	7.22
Inclination lunar crescent	73.18	73.53	72.59
Lunar age (hours)	16.12	16.34	16.61

Evening of 22 May 2012 (Tuesday)

	Sunset	Moon best visible	Moonset
Time	18h 55.1m	19h 30.1m	20h 13.8m
Altitude Sun above horizon	-0.26	-8.26	-17.20
Altitude Moon above horizon	15.90	8.45	-0.25
Azimuth Sun	292.51	295.98	301.09
Azimuth Moon	287.26	289.77	293.34
Azimuth difference Sun-Moon	-5.25	-6.21	-7.75
Angular separation Sun-Moon	16.98	17.83	18.59
Inclination lunar crescent	71.75	69.32	64.98
Lunar age (hours)	40.13	40.71	41.44

Evening of 23 May 2012 (Wednesday)

	Sunset	Moon best visible	Moonset
Time	18h 55.5m	19h 51.6m	21h 1.7m
Altitude Sun above horizon	-0.26	-12.60	-26.25
Altitude Moon above horizon	26.37	14.14	-0.25
Azimuth Sun	292.71	298.53	308.16
Azimuth Moon	283.38	287.02	292.48
Azimuth difference Sun-Moon	-9.34	-11.51	-15.68
Angular separation Sun-Moon	28.11	29.12	30.07
Inclination lunar crescent	69.86	65.79	57.35
Lunar age (hours)	64.14	65.07	66.24

 * The visibility of the Moon for Anno Hijra 1433, Sha`ban *
 * Lunation (Astronomical): 1107 Lunation (Islamic): 17192 *

Location: Mecca (Saudi Arabia)
 Longitude = 39.8240 East; Latitude = 21.4220 North; Time Zone = 3.0

Astronomical New Moon on: 19 June 2012 (Tuesday) at 18h 2.6m

Evening of 20 June 2012 (Wednesday)

	Sunset	Moon best visible	Moonset
Time	19h 5.5m	19h 23.4m	19h 45.7m
Altitude Sun above horizon	-0.26	-4.55	-9.11
Altitude Moon above horizon	7.83	4.09	-0.25
Azimuth Sun	295.65	297.38	299.71
Azimuth Moon	288.00	289.41	291.27
Azimuth difference Sun-Moon	-7.65	-7.97	-8.44
Angular separation Sun-Moon	11.12	11.75	12.21
Inclination lunar crescent	46.35	47.09	46.07
Lunar age (hours)	25.05	25.35	25.72

Evening of 21 June 2012 (Thursday)

	Sunset	Moon best visible	Moonset
Time	19h 5.7m	19h 43.3m	20h 30.2m
Altitude Sun above horizon	-0.26	-8.58	-17.81
Altitude Moon above horizon	17.66	9.43	-0.25
Azimuth Sun	295.65	299.42	305.08
Azimuth Moon	282.01	284.76	288.55
Azimuth difference Sun-Moon	-13.64	-14.66	-16.54
Angular separation Sun-Moon	22.39	23.20	23.93
Inclination lunar crescent	51.76	50.02	45.44
Lunar age (hours)	49.05	49.68	50.46

Evening of 22 June 2012 (Friday)

	Sunset	Moon best visible	Moonset
Time	19h 5.9m	20h 2.1m	21h 12.3m
Altitude Sun above horizon	-0.26	-12.32	-25.50
Altitude Moon above horizon	27.44	14.80	-0.25
Azimuth Sun	295.64	301.52	311.32
Azimuth Moon	275.06	279.26	284.87
Azimuth difference Sun-Moon	-20.58	-22.26	-26.45
Angular separation Sun-Moon	34.03	35.00	35.90
Inclination lunar crescent	51.08	48.67	40.58
Lunar age (hours)	73.06	73.99	75.16

 * The visibility of the Moon for Anno Hijra 1433, Ramadan *
 * Lunation (Astronomical): 1108 Lunation (Islamic): 17193 *

Location: Mecca (Saudi Arabia)
 Longitude = 39.8240 East; Latitude = 21.4220 North; Time Zone = 3.0

Astronomical New Moon on: 19 July 2012 (Thursday) at 7h 24.5m

Evening of 19 July 2012 (Thursday)

	Sunset	Moon best visible	Moonset
Time	19h 5.0m	19h 7.6m	19h 10.9m
Altitude Sun above horizon	-0.26	-1.40	-2.10
Altitude Moon above horizon	0.87	0.37	-0.25
Azimuth Sun	292.65	292.90	293.20
Azimuth Moon	285.77	286.00	286.28
Azimuth difference Sun-Moon	-6.87	-6.90	-6.93
Angular separation Sun-Moon	6.97	7.12	7.17
Inclination lunar crescent	9.30	14.30	14.82
Lunar age (hours)	11.67	11.72	11.77

Evening of 20 July 2012 (Friday)

	Sunset	Moon best visible	Moonset
Time	19h 4.7m	19h 25.9m	19h 52.5m
Altitude Sun above horizon	-0.26	-5.37	-10.93
Altitude Moon above horizon	9.92	5.23	-0.26
Azimuth Sun	292.44	294.49	297.30
Azimuth Moon	278.11	279.82	282.03
Azimuth difference Sun-Moon	-14.33	-14.67	-15.27
Angular separation Sun-Moon	17.53	18.09	18.55
Inclination lunar crescent	34.71	35.33	34.13
Lunar age (hours)	35.67	36.02	36.47

Evening of 21 July 2012 (Saturday)

	Sunset	Moon best visible	Moonset
Time	19h 4.4m	19h 43.6m	20h 32.6m
Altitude Sun above horizon	-0.26	-9.16	-19.14
Altitude Moon above horizon	19.20	10.33	-0.26
Azimuth Sun	292.23	296.14	302.03
Azimuth Moon	269.74	273.03	277.13
Azimuth difference Sun-Moon	-22.49	-23.11	-24.90
Angular separation Sun-Moon	29.42	30.16	30.87
Inclination lunar crescent	38.86	38.62	34.84
Lunar age (hours)	59.66	60.32	61.14

 * The visibility of the Moon for Anno Hijra 1433, Shawwal *
 * Lunation (Astronomical): 1109 Lunation (Islamic): 17194 *

Location: Mecca (Saudi Arabia)
 Longitude = 39.8240 East; Latitude = 21.4220 North; Time Zone = 3.0

Astronomical New Moon on: 17 August 2012 (Friday) at 18h 54.9m

Evening of 18 August 2012 (Saturday)

	Sunset	Moon best visible	Moonset
Time	18h 48.6m	18h 58.4m	19h 10.6m
Altitude Sun above horizon	-0.26	-3.04	-5.78
Altitude Moon above horizon	4.33	2.21	-0.26
Azimuth Sun	284.12	285.04	286.21
Azimuth Moon	271.99	272.82	273.85
Azimuth difference Sun-Moon	-12.13	-12.22	-12.36
Angular separation Sun-Moon	12.96	13.29	13.51
Inclination lunar crescent	20.45	23.02	23.66
Lunar age (hours)	23.89	24.06	24.26

Evening of 19 August 2012 (Sunday)

	Sunset	Moon best visible	Moonset
Time	18h 47.8m	19h 16.0m	19h 51.2m
Altitude Sun above horizon	-0.26	-7.17	-14.95
Altitude Moon above horizon	13.56	7.25	-0.27
Azimuth Sun	283.77	286.46	290.18
Azimuth Moon	262.76	265.28	268.31
Azimuth difference Sun-Moon	-21.01	-21.18	-21.87
Angular separation Sun-Moon	24.99	25.57	26.13
Inclination lunar crescent	31.92	33.19	32.24
Lunar age (hours)	47.88	48.35	48.94

Evening of 20 August 2012 (Monday)

	Sunset	Moon best visible	Moonset
Time	18h 47.0m	19h 34.0m	20h 32.8m
Altitude Sun above horizon	-0.26	-11.37	-24.11
Altitude Moon above horizon	22.65	12.35	-0.27
Azimuth Sun	283.41	288.03	295.02
Azimuth Moon	252.59	257.50	262.79
Azimuth difference Sun-Moon	-30.82	-30.53	-32.24
Angular separation Sun-Moon	37.75	38.47	39.29
Inclination lunar crescent	33.18	35.27	32.61
Lunar age (hours)	71.87	72.65	73.63

 * The visibility of the Moon for Anno Hijra 1433, Dhu 'l-Qa`da *
 * Lunation (Astronomical): 1110 Lunation (Islamic): 17195 *

Location: Mecca (Saudi Arabia)
 Longitude = 39.8240 East; Latitude = 21.4220 North; Time Zone = 3.0

Astronomical New Moon on: 16 September 2012 (Sunday) at 5h 11.0m

Evening of 16 September 2012 (Sunday)

	Sunset	Moon best visible	Moonset
Time	18h 22.6m	18h 24.9m	18h 27.9m
Altitude Sun above horizon	-0.27	-1.38	-2.07
Altitude Moon above horizon	0.78	0.32	-0.27
Azimuth Sun	272.82	273.04	273.31
Azimuth Moon	264.67	264.87	265.12
Azimuth difference Sun-Moon	-8.14	-8.16	-8.18
Angular separation Sun-Moon	8.21	8.34	8.38
Inclination lunar crescent	7.28	11.71	12.32
Lunar age (hours)	13.19	13.23	13.28

Evening of 17 September 2012 (Monday)

	Sunset	Moon best visible	Moonset
Time	18h 21.6m	18h 44.0m	19h 12.0m
Altitude Sun above horizon	-0.27	-6.04	-12.52
Altitude Moon above horizon	10.35	5.50	-0.27
Azimuth Sun	272.40	274.46	277.12
Azimuth Moon	255.14	257.22	259.67
Azimuth difference Sun-Moon	-17.26	-17.24	-17.45
Angular separation Sun-Moon	20.19	20.72	21.20
Inclination lunar crescent	30.69	33.10	33.99
Lunar age (hours)	37.18	37.55	38.02

Evening of 18 September 2012 (Tuesday)

	Sunset	Moon best visible	Moonset
Time	18h 20.6m	19h 4.3m	19h 58.9m
Altitude Sun above horizon	-0.27	-10.98	-23.53
Altitude Moon above horizon	20.06	10.97	-0.27
Azimuth Sun	271.98	276.05	281.65
Azimuth Moon	244.88	249.73	254.79
Azimuth difference Sun-Moon	-27.10	-26.32	-26.85
Angular separation Sun-Moon	33.43	34.12	34.93
Inclination lunar crescent	34.21	37.77	37.91
Lunar age (hours)	61.16	61.89	62.80

 * The visibility of the Moon for Anno Hijra 1433, Dhu 'l-Hijja *
 * Lunation (Astronomical): 1111 Lunation (Islamic): 17196 *

Location: Mecca (Saudi Arabia)

Longitude = 39.8240 East; Latitude = 21.4220 North; Time Zone = 3.0

Astronomical New Moon on: 15 October 2012 (Monday) at 15h 2.7m

Evening of 16 October 2012 (Tuesday)

	Sunset	Moon best visible	Moonset
Time	17h 55.3m	18h 14.6m	18h 38.7m
Altitude Sun above horizon	-0.27	-5.28	-10.86
Altitude Moon above horizon	8.47	4.47	-0.28
Azimuth Sun	260.46	262.19	264.29
Azimuth Moon	248.58	250.43	252.57
Azimuth difference Sun-Moon	-11.88	-11.76	-11.72
Angular separation Sun-Moon	14.71	15.26	15.74
Inclination lunar crescent	35.86	39.28	41.50
Lunar age (hours)	26.88	27.20	27.60

Evening of 17 October 2012 (Wednesday)

	Sunset	Moon best visible	Moonset
Time	17h 54.5m	18h 38.4m	19h 33.3m
Altitude Sun above horizon	-0.27	-10.96	-23.72
Altitude Moon above horizon	19.22	10.55	-0.28
Azimuth Sun	260.07	263.93	268.70
Azimuth Moon	238.93	244.05	249.30
Azimuth difference Sun-Moon	-21.13	-19.88	-19.40
Angular separation Sun-Moon	28.45	29.18	30.06
Inclination lunar crescent	40.82	45.78	48.46
Lunar age (hours)	50.86	51.59	52.51

Evening of 18 October 2012 (Thursday)

	Sunset	Moon best visible	Moonset
Time	17h 53.7m	19h 4.0m	20h 31.8m
Altitude Sun above horizon	-0.27	-17.06	-37.50
Altitude Moon above horizon	29.46	16.77	-0.27
Azimuth Sun	259.68	265.80	273.85
Azimuth Moon	228.08	238.43	247.56
Azimuth difference Sun-Moon	-31.59	-27.36	-26.29
Angular separation Sun-Moon	42.32	43.00	44.42
Inclination lunar crescent	38.91	47.63	50.75
Lunar age (hours)	74.85	76.02	77.48