

Partial Eclipse of the Moon of 2009 Dec. 31

BANDUNG

Location: E107°35'00.0", S 6°54'00.0", 0m  
(Longitude referred to Greenwich meridian)

	TT			Moon's		Position
	d	h	m	Altitude	Azimuth	Angle
Moon enters penumbra	31	17:16.4		57.6	348.2	138.6
Moon enters umbra	31	18:52.8		46.8	317.7	173.0
Maximum Eclipse	31	19:23.8		41.5	311.6	190.0
Moon exits umbra	31	19:54.9		35.8	306.8	207.0
Moon exits penumbra	31	21:31.2		16.3	297.6	241.5

Penumbral Duration: 4h 14.7m  
Umbral Duration: 1h 02.1m  
Magnitude: 0.082

Partial Eclipse of the Moon of 2009 Dec. 31

DEPOK

Location: E106°49'00.0", S 6°23'00.0", 0m  
(Longitude referred to Greenwich meridian)

	TT			Moon's		Position
	d	h	m	Altitude	Azimuth	Angle
Moon enters penumbra	31	17:16.4		58.3	349.4	138.6
Moon enters umbra	31	18:52.8		47.7	318.1	173.0
Maximum Eclipse	31	19:23.8		42.5	311.8	190.0
Moon exits umbra	31	19:54.9		36.7	306.9	207.0
Moon exits penumbra	31	21:31.2		17.2	297.6	241.5

Penumbral Duration: 4h 14.7m  
Umbral Duration: 1h 02.1m  
Magnitude: 0.082

Partial Eclipse of the Moon of 2009 Dec. 31

JAKARTA

Location: E106°51'00.0", S 6°11'00.0", 0m  
(Longitude referred to Greenwich meridian)

	TT			Moon's		Position
	d	h	m	Altitude	Azimuth	Angle
Moon enters penumbra	31	17:16.4		58.5	349.3	138.6
Moon enters umbra	31	18:52.8		47.9	317.9	173.0
Maximum Eclipse	31	19:23.8		42.6	311.7	190.0
Moon exits umbra	31	19:54.9		36.8	306.8	207.0
Moon exits penumbra	31	21:31.2		17.2	297.6	241.5

Penumbral Duration: 4h 14.7m  
Umbral Duration: 1h 02.1m  
Magnitude: 0.082

Partial Eclipse of the Moon of 2009 Dec. 31

JAYAPURA

Location: E140°31'00.0", S 2°34'00.0", 0m  
(Longitude referred to Greenwich meridian)

	TT			Moon's		Position
	d	h	m	Altitude	Azimuth	Angle
Moon enters penumbra	31	17:16.4		42.3	307.2	138.6
Moon enters umbra	31	18:52.8		22.6	297.7	173.0
Maximum Eclipse	31	19:23.8		16.0	296.1	190.0
Moon exits umbra	31	19:54.9		9.3	294.9	207.0
Moonset	31	20:43		----	293.9	-----

Penumbral Duration: 3h 26.3m  
 Umbral Duration: 1h 02.1m  
 Magnitude: 0.082

Partial Eclipse of the Moon of 2009 Dec. 31

Lintang 0  
 Location: 0°00'00.0", 0°00'00.0", 0m  
 (Longitude referred to Greenwich meridian)

	TT			Moon's		Position
	d	h	m	Altitude	Azimuth	Angle
Moonrise	31	17:58		----	65.8	-----
Moon enters umbra	31	18:52.8		10.3	65.4	173.0
Maximum Eclipse	31	19:23.8		17.0	64.7	190.0
Moon exits umbra	31	19:54.9		23.7	63.5	207.0
Moon exits penumbra	31	21:31.2		43.9	55.5	241.5

Penumbral Duration: 3h 32.9m  
 Umbral Duration: 1h 02.1m  
 Magnitude: 0.082

Partial Eclipse of the Moon of 2009 Dec. 31

PADANG  
 Location: E100°21'18.0", S 0°53'00.0", 0m  
 (Longitude referred to Greenwich meridian)

	TT			Moon's		Position
	d	h	m	Altitude	Azimuth	Angle
Moon enters penumbra	31	17:16.4		64.4	1.0	138.6
Moon enters umbra	31	18:52.8		56.2	320.2	173.0
Maximum Eclipse	31	19:23.8		51.0	312.5	190.0
Moon exits umbra	31	19:54.9		45.3	306.9	207.0
Moon exits penumbra	31	21:31.2		25.5	297.2	241.5

Penumbral Duration: 4h 14.7m  
 Umbral Duration: 1h 02.1m  
 Magnitude: 0.082

Partial Eclipse of the Moon of 2009 Dec. 31

SEMARANG  
 Location: E110°22'48.0", S 6°59'00.0", 0m  
 (Longitude referred to Greenwich meridian)

	TT			Moon's		Position
	d	h	m	Altitude	Azimuth	Angle
Moon enters penumbra	31	17:16.4		56.9	343.7	138.6
Moon enters umbra	31	18:52.8		44.8	315.3	173.0
Maximum Eclipse	31	19:23.8		39.4	309.8	190.0

Moon exits umbra	31 19:54.9	33.5	305.4	207.0
Moon exits penumbra	31 21:31.2	13.8	296.9	241.5

Penumbral Duration: 4h 14.7m  
 Umbral Duration: 1h 02.1m  
 Magnitude: 0.082

Partial Eclipse of the Moon of 2009 Dec. 31

UJUNG PANDANG

Location: E119°32'54.0", S 5°03'30.0", 0m  
 (Longitude referred to Greenwich meridian)

	TT			Moon's		Position
	d	h	m	Altitude	Azimuth	Angle
Moon enters penumbra	31	17:16.4		54.9	328.9	138.6
Moon enters umbra	31	18:52.8		39.2	307.5	173.0
Maximum Eclipse	31	19:23.8		33.1	303.5	190.0
Moon exits umbra	31	19:54.9		26.8	300.5	207.0
Moon exits penumbra	31	21:31.2		6.4	294.8	241.5

Penumbral Duration: 4h 14.7m  
 Umbral Duration: 1h 02.1m  
 Magnitude: 0.082

Partial Eclipse of the Moon of 2009 Dec. 31

SURABAYA

Location: E112°47'06.0", S 7°23'00.0", 0m  
 (Longitude referred to Greenwich meridian)

	TT			Moon's		Position
	d	h	m	Altitude	Azimuth	Angle
Moon enters penumbra	31	17:16.4		55.7	340.1	138.6
Moon enters umbra	31	18:52.8		42.8	313.7	173.0
Maximum Eclipse	31	19:23.8		37.2	308.5	190.0
Moon exits umbra	31	19:54.9		31.3	304.4	207.0
Moon exits penumbra	31	21:31.2		11.5	296.4	241.5

Penumbral Duration: 4h 14.7m  
 Umbral Duration: 1h 02.1m  
 Magnitude: 0.082

Partial Eclipse of the Moon of 2009 Dec. 31

SORONG

Location: E131°17'00.0", S 0°54'00.0", 0m  
 (Longitude referred to Greenwich meridian)

	TT			Moon's		Position
	d	h	m	Altitude	Azimuth	Angle
Moon enters penumbra	31	17:16.4		50.6	312.4	138.6
Moon enters umbra	31	18:52.8		31.6	299.6	173.0
Maximum Eclipse	31	19:23.8		25.0	297.4	190.0
Moon exits umbra	31	19:54.9		18.4	295.8	207.0
Moonset	31	21:25		----	293.8	-----

Penumbral Duration: 4h 08.5m  
 Umbral Duration: 1h 02.1m  
 Magnitude: 0.082

