

**JADUAL
KENAMPAKAN PERTAMA
ANAK BULAN
DI NEGARA
BRUNEI DARUSSALAM**

2000 - 2099

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Jadual Kenampakan Pertama Anak Bulan Di Negara Brunei Darussalam 2000 - 2099

Buku ini adalah dihasratkan sebagai rujukan bagi ilmuan-ilmuan di Negara Brunei Darussalam dan sumbangan kajian berunsur saintifik. Di dalam buku ini terkandung kompilasi jadual waktu bagi kenampakan anak bulan yang pertama. Penghasilan jadual ialah dengan menggunakan berbagai-bagai perisian astronomi dan program yang diaturacara sendiri.

Jadual Kenampakan Pertama Anak Bulan Di Negara Brunei Darussalam 2000 - 2099

H a z a r r y b i n H a j i A l i A h m a d

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9 8 7 6 5 4 3 2 1

“Untuk ayah & ibu serta keluarga... Terima kasih.”

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Prakata

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

K

etandusan bidang astronomi di Negara ini menjadi

dorongan saya untuk mengumpulkan data-data yang penting yang boleh digunakan sebagai bahan rujukan kepada sesiapa sahaja yang ingin menambah ilmu di dada. Lebih-lebih lagi tidak banyak sumber-sumber rujukan astronomi yang khusus untuk Negara ini.

Di dalam Islam, astronomi merupakan bidang yang amat mustahak. Salah satunya ialah dalam menjalankan ibadat sama ada fardhu dan sunat kerana ia melibatkan ketepatan mengukur waktu. Misalnya perjalanan matahari di ruang angkasa menjadi pertanda masa dalam mengerjakan ibadat sembahyang fardhu dan sunat.

Manakala pergerakan bulan di atas orbitnya menjadi ukuran dalam kalendar Islam. Ini ternyata misalnya di dalam memulakan melaksanakan ibdat puasa dan menyambut hari raya, yang mana ia ditentukan dari kenampakan anak bulan. Di sinilah juga bidang falak sangat berguna yang sentiasa mencuba menghasilkan kalendar hijrah yang tepat.

Oleh itu berbagai kriteria untuk menghasilkan kalendar Hijrah yang berbeza syarat. Antaranya, di dalam kriteria hakiki, permulaan awal hijrah bermula apabila anak bulan sudah lahir sebelum Maghrib. Berbeza dengan kriteria MABIMS (Malaysia) yang mana penentuan bulan hijrah bergantung kepada ketinggian altitud bulan (sekurang-kurangnya 2°) dan jarak lengkung anak bulan (sekurang-kurangnya 3°).

Di Negara Brunei Darussalam sudah menjadi praktis dan ketetapan penentuan Puasa dan Hari Raya berdasarkan kepada hasil penglihatan anak bulan yang berlandaskan hukum syarak. Untuk menjangka kebolehnampakan anak bulan, perkiraan falak boleh dijadikan panduan dan banyak kajian yang telah menghasilkan kriteria kenampakan astronomi anak bulan. Antara kajian dan sintesis kenampakan anak bulan yang mendapat perhatian ialah daripada Scheafer (1993), Ilyas (1994), Loewinger (1995), McPartian (1996) dan Yallop (1997).

Walaupun bagaimanapun, kajian akan kenampakan anak bulan yang lebih terperinci dan berterusan mestilah dilaksanakan



Ahli-Ahli Persatuan Asronomi Negara Brunei Darussalam melakukan cerapan anak bulan Syawal 1425.

Persatuan Astronomi NBD

atas sebab penyelidikan yang masih waham, ini termasuklah di Negara Brunei Darussalam (NBD). Di Negara ini kajian masih dalam proses pengumpulan data dan rekod hasil kenampakan anak bulan dari cerapan yang dilakukan setiap bulan oleh Jabatan Ukur, Kementerian Pembangunan. Dengan adanya kajian seperti ini, mungkin ia boleh membuahkan hasil kriteria kenampakan anak bulan khusus bagi negara in. Inistiatif ini perlu mendapat pujian dan sokongan oleh mana-mana pihak. Tidak ketinggalan Persatuan Astronomi NBD, yang merupakan sebuah badan organisasi bukan kerajaan yang berfungsi untuk mengembangkan bidang sains astronomi di Negara ini, turut menyertai kajian antarabangsa dengan berkongsi maklumat kepada projek Islamic Crescent's Observation yang berpusat di Jordan.

Akhir kata, data dihasilkan di sini bukanlah bermaksud untuk menjangka akan kenampakan anak bulan, tetapi bolehlah saya anggapkan ia sebagai 'catalyst' dalam penyelidikan tempatan. Dengan adanya buku ini, para-para cendekiawan dan pengkaji di negara ini boleh menjadikannya sebagai rujukan dan memanfaatkan darinya. Namun ia tidaklah terhad kepada cendekiawan bahkan juga orang orang ramai dan penggemar astronomi dalam bersama-sama memburu anak bulan termuda.

Anak Bulan



Purnama kelihatan di sebalik menara masjid.

Kredit: Pengiran Shahdani Pengiran Anom

Disebabkan bumi bergerak mengelilingi

matahari, matahari akan kelihatan bergerak merentasi langit dan haluan matahari ini dipanggil ekliptik. Kedudukan matahari di laluan ini dipanggil longitud langit (*celestial longitude*). Setiap 29.5 hari, bulan baru astronomi atau ijtimak berlaku apabila posisi pusat bulan berada sama dengan longitud langit matahari.

Ketika berlakunya proses bulan baru astronomi ini, bulan tidak dapat dicerap. Selalunya lebih setengah hari selepas ijtimak barulah bulan baru akan kelihatan dan apa yang pencerap nampak ialah bulan sabit atau lebih dikenali anak bulan.

Anak bulan atau hilal yang dimaksudkan di sini secara keseluruhannya sangat muda, kurang cahayanya, sangat nipis sabitnya serta pendek lengkung sabitnya.

Oleh kerana, posisi longitud langit kedua-dua objek sama ketika berlakunya ijtimak, maka sudut pisahan anak bulan biasanya berada hampir dengan matahari dan anak bulan hanya akan berada di atas ufuk beberapa minit selepas maharani terbenam.

Sebab itulah, untuk mencari anak bulan yang termuda sangatlah sukar. Aktiviti ini bolehlah dianggap mencabar dan banyak cerapan yang gagal dan tidak berpeluang langsung. Ia mungkin di sebabkan beberapa faktor misalnya kurangnya kualiti kejernihan atmosfera, jerebu, wap air, pencemaran udara dan cuaca.

Walaupun bagaimanapun, kenampakan anak bulan boleh dijangka dari kuantiti sifat-sifat bulan yang menunjukkan kaitan pertumbuhan saiz bahagian bulan yang bercahaya. Contohnya, jangkaan kenampakan anak bulan akan tinggi apabila umur anak bulan meningkat dan begitu faktor ketinggian anak bulan dari ufuk (altitud).

Umur anak bulan merupakan parameter yang biasa dijadikan dasar dalam kriteria-kriteria kenampakan anak bulan. Lebih-lebih lagi nilai umur

hilal mudah diperolehi. Dalam beberapa kajian quantiti umur bulan boleh dijadikan sebagai jangkaan kasar dalam kenampakan terawal. Illyas (1994) mempersetujui bahawa had minimum umur bulan untuk nampak ialah 16 jam dan ia konsisten dengan kebanyakan rekod cerapan. Menurut Sinnott (2004) rekod dunia anak bulan termuda yang pernah dicerap melalui bantuan optikal ialah 11 jam 40 minit oleh Mohsen di Tehran. Manakala hilal yang berumur hanya 15 jam 32 minit pernah dicerap oleh O'Meara dalam tahun 1990. Di Brunei, umur anak bulan yang kurang 20 jam pernah dicerap dalam tahun 2004.

Selain itu, kelewatan anak bulan terbenam selepas matahari terbenam juga boleh dijadikan faktor penyumbang tumbesaran sabit. Untuk anak bulan kelihatan, bezanya hendaklah lebih dari 48 minit (Illyas,1994). Parameter-parameter lain antaranya beza azimut bulan dengan matahari dan jarak antara bulan dengan bumi boleh merubah kebolehnampak anak bulan. Dengan mengambil kesemua faktor ini maka beberapa kriteria kenampakan anak bulan telah dihasil. Dengan adanya kriteria ini, ia boleh membantu menerbitkan sistem kalendar Islam yang tepat.

Kenampakan Pertama Anak Bulan



Anak bulan, Mei 2004.

Kredit: Pengiran Shahdani Pengiran Anom



Anak bulan dikatakan wujud atau 'ada' apabila telah berlakunya ijtimak (lihat Rajah 1) sebelum matahari terbenam dan bulan berada di atas ufuk selepas matahari terbenam. Inilah kenampakan pertama anak bulan yang dimaksudkan dan harus diingatkan tidak semestinya bermakna permulaan bulan baru hijrah (kecuali bagi negara-negara yang menggunakan kriteria kalendar Islam Hakiki).

Algoritma pengiraan waktu ijtimak dan data-data astronomi yang lain boleh dihitung menggunakan pelbagai perisian astronomi dan tidak dapat disangkal lagi akan ketepatannya.

Namun untuk mengukur kenampakan anak bulan secara fizikal mungkin kurang tepat kerana parameter yang mana satukah yang menjadi asas untuk menentukan kenampakan anak bulan masih belum dicapai tanpa kesangsian dan masih menjadi tanda tanya.

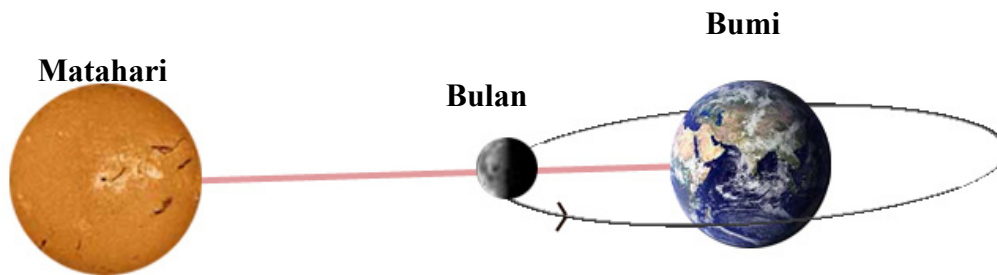
Di dalam buku ini, pencarian tarikh kenampakan pertama anak bulan adalah atas dua syarat:

1. Berlakunya ijtimak sebelum matahari terbenam (iaitu umur anak bulan selepas konjungsi adalah positif).
2. Pusat bulan berada pada Altitud (h) $> 0^\circ$ dengan garisan ufuk.

Mana-mana objek dilangit boleh dilihat selagi ia berada di atas ufuk. Oleh itu, pemilihan carian bagi altitud bulan kepada 0 darjah digunakan. Berkisarkan kiraan, selagi ia menandakan bulan ada di langit dan bukannya terselindung di bawah ufuk selagi itulah anak bulan boleh dicerap.

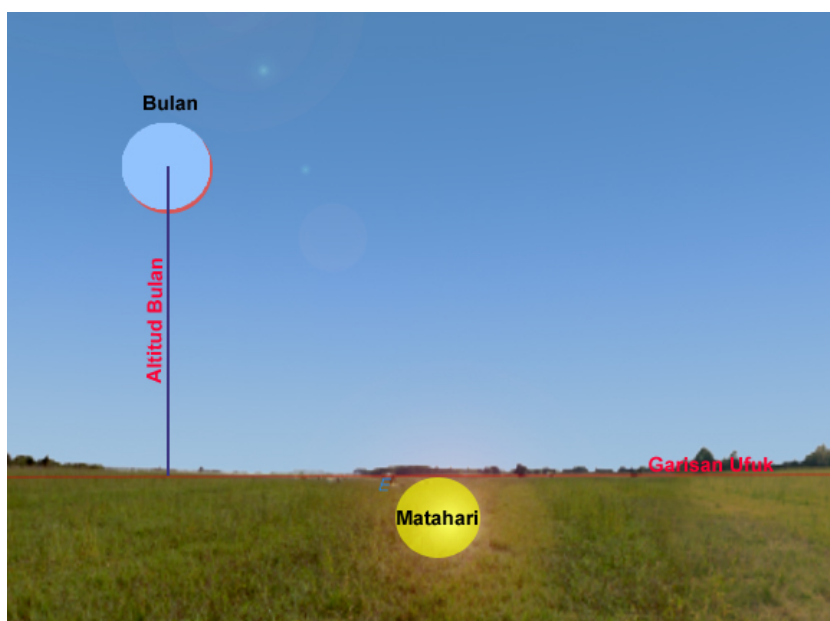
Namun kebolehnampak objek pada altitud yang berada hampir dengan garisan ufuk adalah amat sukar kerana pembiasan cahaya. Oleh yang demikian pembetulan ke atas altitud objek yang disebabkan oleh pembiasan juga diambil kira.

Sekiranya kedua-dua syarat carian dipenuhi maka data yang lain diperolehi misalnya waktu matahari terbenam, bulan terbenam dan lain-lainnya yang diterangkan seperti berikut dan disimpulkan dalam Jadual 1.



Rajah 1: Ijtimak iaitu bulan baru berlaku ketika posisi pusat bulan berada sama dengan longitud langit matahari.

- **Tarikh (T):** Tarikh kenampakan pertama bulan yang mengikut syarat-syarat carian di atas.
- **Waktu matahari terbenam (t_M):** Adalah waktu apabila bahagian sudut atas matahari berada di atas garisan ufuk yang tidak terhalang.
- **Waktu bulan terbenam (t_B):** Adalah waktu apabila bahagian sudut atas bulan berada di atas garisan ufuk yang tidak terhalang.
- **Susulan lama di atas ufuk (dt):** Tempoh masa anak bulan berada di atas ufuk selepas matahari terbenam. Nilai boleh dikira iaitu perbezaan waktu bulan terbenam dan waktu matahari terbenam. Nilainya dalam minit dan saat.
- **Azimut matahari (Az_0):** Azimut matahari ketika terbenam iaitu berbezaan sudut matahari dari utara.
- **Azimut bulan (Az_B):** Azimut bulan ketika matahari terbenam dari utara.



Rajah 2: Ketinggian objek (bulan) dari ufuk dipanggil altitud.

- **Perbezaan Azimut (dAz):** Perbezaan azimuth bulan dan matahari ketika waktu matahari terbenam. Di kira mengikut, $dAz = Az_B - Az_0$. Jika nilainya 0, maka bulan berada tepat di atas matahari. Perbezaan boleh bernilai negatif atau positif. Sekiranya nilai negatif bermakna bulan berada lebih ke selatan bebanding dengan matahari dan sebaliknya. Sinnott (2004) menyatakan peluang kenampakan anak bulan adalah tinggi jika nilai dAz nya sifar.
- **Altitud (h):** Ketinggian bulan ketika matahari terbenam (Lihat Rajah 2).

- **Umur Bulan (Umur):** Masa dari berlakunya itjimak ke waktu matahari terbenam.

- **Jarak Bulan (Jarak):** Jarak antara bulan dan bumi dalam nilai km. Jarak adalah mengambil kira lokasi "topocentric" iaitu jarak bulan dengan lokasi pemerhati ketika matahari terbenam.

- **Bulan Hijrah (Bulan H) dan Tahun Hijrah (Tahun H):** Bulan hijrah yang bersamaan dengan tarikh anak bulan. Menandakan bermulanya cerapan anak bulan bagi bulan hijrah dalam tahun yang dinyatakan. Ini tidak bermakna bermulanya bulan hijrah pada tarikh tadi.

Di samping menyenaraikan jadual waktu kenampakan anak bulan, carta beza azimut (dAz) dengan altitud (h) juga dihasilkan sebagai rumusan dari data jadual bagi setiap tahun. Setiap satu desawarsa data juga akan dianalisa dan dirumuskan dalam bab seterusnya.

Jadual 1: Ringkasan keterangan senarai data

Ringkasan	Parameter	Format
T	Tarikh kenampakan pertama bulan	Tahun-Bulan-Hari (TT-BB-HH)
tM	Waktu matahari terbenam	Jam:Minit:Saar (JJ:MM:SS)
tB	Waktu bulan terbenam	Jam:Minit:Saar (JJ:MM:SS)
dt	Susulan lama di atas ufuk	Minit:Saar (MM:SS)
Az0	Azimut matahari ketika terbenam	Darjah° Minit' Saar'' (DD° MM' SS'')
AzB	Azimut bulan ketika matahari terbenam.	Darjah° Minit' Saar'' (DD° MM' SS'')
dAz	Beza AzB dengan Az0	Darjah° Minit' Saar'' (DD° MM' SS'')
h	Altitud bulan ketika matahari terbenam.	Darjah° Minit' Saar'' (DD° MM' SS'')
Umur	Umur Bulan.	Hari* Jam:Minit:Saar (HH JJ:MM:SS) *Jika kurang 1, harinya tidak akan dinyatakan.
Jarak	Jarak bulan dengan bumi.	Nilai dalam kilometer.
Bulan H	Bulan hijrah	Bulan
Tahun H	Tahun hijrah	Tahun

Cara Penggunaan



Kawah-kawah di permukaan bulan.

Kredit: Lim Ming Han



Lokasi kiraan adalah bagi Bandar Seri

Begawan, Negara Brunei Darussalam ($4^{\circ} 56' 33''$ Utara, $114^{\circ} 56' 19''$ Timur) pada ketinggian 10 meter dari paras laut. Jadual waktu yang dihasilkan ialah bagi waktu tempatan (UT+8 Jam) dan data adalah topocentric horizontal. Namun untuk tempat-tempat yang lain di Negara ini, data terhasil tidaklah besar perbezaan dan ia masih boleh diguna pakai.

Jadual disusun mengikut kronologi ijtimak dan bilangan lunasi juga dinyatakan di mana lunasi pertama ialah pada Januari 7, 2000. Semua tarikh dihasilkan ditanda mengikut kategori bergantung kepada altitud (h) bulan. Skala ini diterangkan seperti berikut:

Jadual 2: Kategori-kategori Altitud

Kategori	Syarat	Keterangan
(a) Merah	$h < 2^{\circ}$	Syarat kalendar Umm Al-Qurah (Saudi Arabia) anak bulan terbenam selepas matahari terbenam dan berlakunya ijtimak sebelum matahari terbenam (Odeh).
(b) Oren	$2^{\circ} < h < 5.5^{\circ}$	Menepati syarat kenampakan MABIMS iaitu $h > 2^{\circ}$. Tidak mengambil kira syarat-syarat yang lain.
(c) Kuning	$5.5^{\circ} < h < 7.5^{\circ}$	Sifat anak bulan ada dan boleh kelihatan (Baharuddin 2003) jika $h > 5.5^{\circ}$ seperti syarat kenampakan anak bulan ketika Persidangan Hilal Antarabangsa 1978. Namun syarat-syarat yang lain tidak diambil kira.
(d) Hijau	$h > 7.5^{\circ}$	Untuk mencari anak bulan yang termuda Sinnott (2004) menggunakan $h > 7.5^{\circ}$ dan $dAz = 0$ minima.

Dengan adanya parameter altitud bolehlah dijadikan ukuran dalam menjangka secara kasar sahaja

(Schaefer 1996) akan kenampakan anak bulan. Berdasarkan kategori tadi maka bolehlah dirangka jangkakan kenampakan anak bulan akan lebih tinggi bagi kategori hijau (d) dan akan lebih merosot mengikut susunan berikut: kuning, oren dan merah – di mana jika cerapan dilakukan pada tarikh berkategori (a) ia adalah sangat mustahil untuk anak bulan kelihatan.

Begitu juga perubahan musim bulan (perigi atau apogi) di mana bulan berada pada jarak yang dekat dengan bumi atau perigi, akan meninggikan lagi peluang kenampakan anak bulan. Sekiranya jaraknya berada hampir dengan bumi, maka lebih besar keadaan bulan dan mudahlah untuk kita mencerapnya. Jarak terdekat bulan dengan bumi ialah kira-kira 357 000 km. Selain carta dAz dengan h, carta jarak bulan bagi setiap tahun juga disertakan. Ini adalah sebagai kemudahan dalam meramalkan kenampakan anak bulan. Lain-lain parameter juga boleh digunakan untuk ramalan kenampakan anak bulan.

Bagi Brunei, tidak ada kriteria kenampakan anak bulan yang khusus digunakan. Oleh itu penyelidikan tempatan untuk tempoh panjang hendaklah dilaksanakan untuk mendapatkan kriteria kenampakan anak bulan di negara ini.

Kenampakan anak bulan akan lebih tinggi jika seseorang menggunakan peralatan optikal seperti teleskop dan binokular. Maka dicadangkan bagi kategori (a) hingga (c) peralatan bantuan seharusnya digunakan. Namun harus diingatkan kenampakan anak bulan semuanya bergantung penuh kepada keadaan cuaca dan langit.

Disarankan kepada sesiapa yang ingin mencerap anak bulan agar berada di lokasi yang altitudnya tinggi dari paras laut misalnya bukit, supaya ufuk tidak terhalang. Seseorang juga perlu tahu keadaan sekeliling dan maklumat ramalan keadaan cuaca juga berguna. Lazimnya cerapan anak bulan dilakukan apabila matahari turun ke bawah ufuk iaitu apabila keadaan langit hampir gelap, oleh itu keperluan lain juga diperlukan seperti lampu picit dan sebagainya

Bagi sesiapa yang ingin memburu anak bulan persiapan awal haruslah dilakukan misalnya menjajarkan teleskop, mendapatkan maklumat langit seperti bintang-bintang dan planet-planet yang boleh digunakan sebagai petunjuk arah untuk mencari anak bulan. Penyediaan data kritikal seperti AzB sangat penting untuk mengetahui sudut bulan dan boleh dirujuk di dalam jadual buku ini.

Disamping persediaan fizikal, persediaan batin juga perlu. Oleh itu ada adap-adap yang sesuai untuk dilakukan ketika mencerap. Antaranya ialah seperti berdoa dan berzikir. Adapun doa ketika melihat anak bulan:

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

الْحَمْدُ لِلَّهِ الَّذِي خَلَقَنَا وَخَلَقَكَ، وَقَدَّرَ لَكَ مَنَازِلَ، وَجَعَلَكَ
ءَايَةً لِلْعَالَمِينَ، اللَّهُمَّ أَهْلُهُ عَلَيْنَا بِالْأَمْنِ وَالْإِيمَانِ،
وَالسَّلَامَةِ وَالْإِسْلَامِ وَالتَّوْفِيقِ لِمَا نُحِبُّ وَتَرْضَى
رَبُّنَا وَرَبُّكَ اللَّهُ.

Ertinya: Segala kepujian bagi Allah yang telah menjadikan kami dan telah menjadikan engkau bulan dan telah menentukan engkau beredar beberapa peringkat dan telah menjadikan engkau tanda kekuasaan-Nya bagi sekalian alam. Wahai tuhan kami jadikanlah dia untuk kami bulan yang membawa keamanan dan keimanan, kesejahteraan dan keislaman dan taufiq kepada apa yang Engkau sukai dan redhai. Tuhan kami dan Tuhan engkau ialah Allah

(Baharuddin, 2003)

REPORT FORM FOR NEW MOON SIGHTING

Date/Time of Astronomical new moon (conjunction): _____

Observer 1: _____
Observer 2: _____
Observer 3: _____
Location: _____
Height above sea level: _____

Hijrah date: _____ (Local)
Date/Time: _____ (Start)
(Observing) _____ (End)

Sun Data: Sun rise: _____ Azimuth: _____
 Sun set: _____ Azimuth: _____

Moon Data: Moon rise: _____ Azimuth: _____
 Moon set: _____ Azimuth: _____

Sky: Seeing _____ Clouds _____ Wind _____
Atmosphere: Temperature _____ Pressure _____

New moon visibility?

☐ Visible with naked eyes.
☐ Visible with optical aid.
☐ Not visible.
☐ Others: _____

If new moon is visible, complete the followings:

Time: _____ (Visible)

Moon position: Azimuth: _____ Altitude: _____
Moon Data: Age: _____ Elongation: _____

Sun Position: Azimuth: _____ Altitude: _____

Telescope: _____ **Type:** _____
Focal length: _____
Eyepiece: _____ **Filter(s):** _____
Aperture used: _____

Notes: _____

Horizon view (naked eyes):

Horizon line

* Indicate compass direction.
 ** Indicate any planets and brightest stars.

Moon's limb as seen:

☐ from naked eyes.
☐ through a telescope -
 Notes: _____
☐ through a binocular.
☐ others: _____

Orientation of moon's limb

* Use dotted line to represent terminator.

Contoh borang laporan cerapan anak bulan.

Persatuan Astronomi NBD

Berhasil atau tidak cerapan anak bulan itu, seseorang haruslah merekodnya dan lebih baik lagi untuk berkongsi maklumat kepada organisasi tertentu, misalnya bersama Jabatan Ukur dan Persatuan Astronomi NBD. Laporkan lokasi cerapan, peralatan, keadaan awan dan langit dan waktu ia mula kelihatan dan yang penting sekali bagaimana rupa sabit bulan dan untuk itu gunakan kamera untuk merakam objek tadi. Contoh format laporan bolehlah di rujuk seperti borang cerapan di sebelah.

Namun apa yang lebih penting ialah sifat sabar dalam melakukan cerapan perlu ada pada setiap individu. Seseorang perlu ingat bahawa sabit anak bulan adalah nipis dan sukar untuk dilihat dengan mata kasar dan kesukaran ini biasanya membawa kekecewaan.

Dari pengalaman yang pernah dialami, anak bulan yang muda akan kelihatan hanya setebal sehelai rambut melalui corong teleskop. Namun jika

seseorang berhasil untuk melihatnya mungkin ia akan menimbulkan rasa kepuasan kerana tidak ramai orang yang pernah melihat sabit yang sebegitu halus.

Analisis

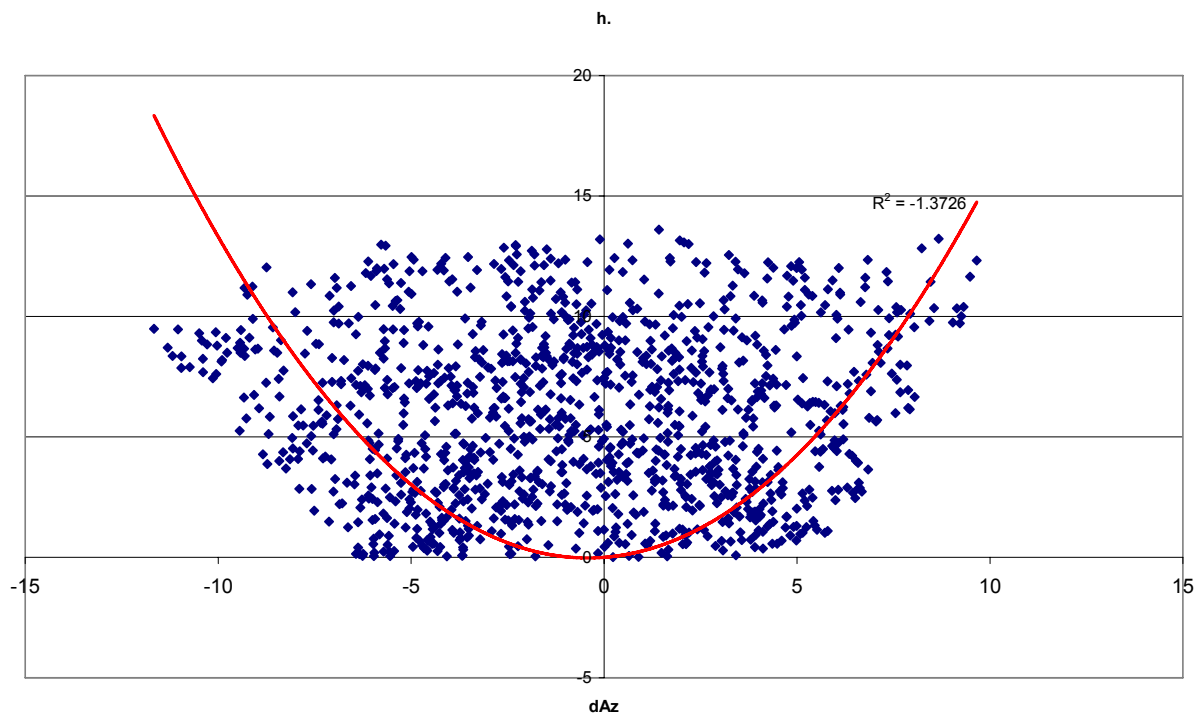
Sepanjang tempoh satu abad

terdapat 1237 bilangan lunasi (bulan baru) dan bilangannya konsisten bagi setiap dekad. Corak bilangan lunasinya ialah 124, 124, 123, 124, 124, 123,... dan seterusnya. Jadual 3 menunjukkan jumlahnya.

Manakala anak bulan yang pertama sepanjang tempoh satu abad mempunyai purata altitud 5.890° sewaktu matahari terbenam seperti dalam Rajah 3. Taburan dAz dan h menunjukkan taburan yang terhad pada satu kawasan yang berbentuk satu lengkok 'U'. Lengkokkan itu adalah had bersamaan dengan perbezaan inklinasi sudut ektiptik dengan satah bulan 5° (Duffett-Smith, 1979). Lebih 52% anak bulan berada pada ketinggian lebih dari 5.5° ketika matahari terbenam (seperti dalam Jadual 4).

Jadual 3: Jumlah Lunasi

Tahun	Jumlah	Peratus
2000 – 2009	124	10.024%
2010 – 2019	124	10.024%
2020 – 2029	123	9.943%
2030 – 2039	124	10.024%
2040 – 2049	124	10.024%
2050 – 2059	123	9.943%
2060 – 2069	124	10.024%
2070 – 2079	124	10.024%
2080 – 2089	123	9.943%
2090 – 2099	124	10.024%
Jumlah	1237	100%



Rajah 3: Taburan Altitud (h) dan beza azimuth (dAz)

Jadual 4: Peratus bilangan lunasi mengikut h.

Kategori	Jumlah Lunasi	%
$h < 2$	193	(15.602%)
$2 < h < 5.5$	399	(32.255%)
$5.5 < h < 7.5$	222	(17.947%)
$h > 7.5$	423	(34.196%)

Selama tempoh yang lama ini juga bolehlah dirumuskan bahawa kemunculan anak bulan selepas ijtimak mempunyai parameter yang sangat jauh beza kuantitinya. Jadual 5 membuktikan kenyataan tadi berdasarkan had maksima dan minima

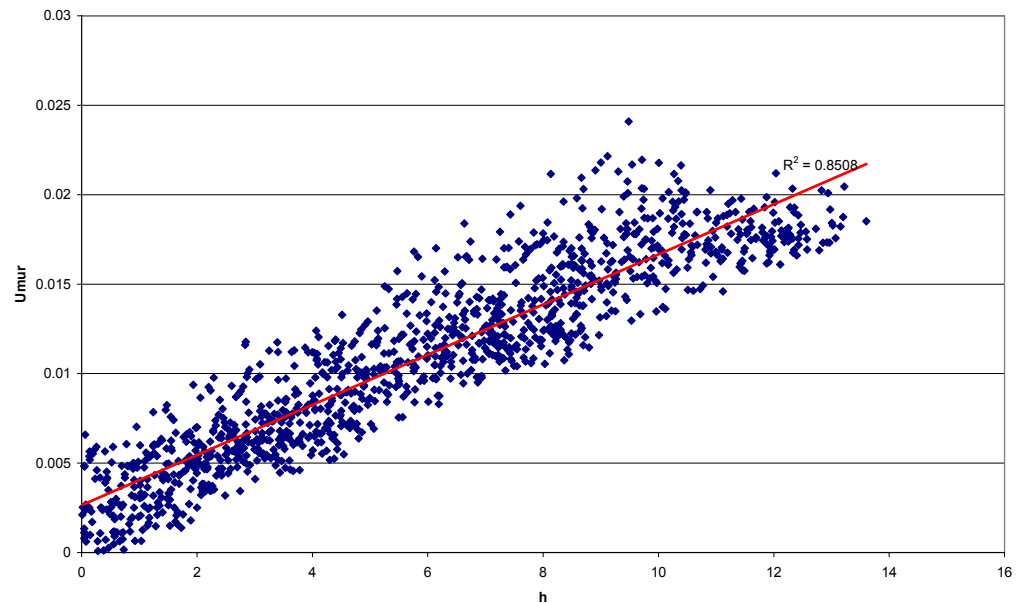
beberapa parameter. Nilai di dalam kurungan [] adalah bilangan lunasi.

Jadual 5: Maksimum dan Minimum (2000 – 2009)

Parameter	dt	dAz	h	Umur	Jarak
Maksimum	1:04:55 [272]	9.6577[1054]	13.6044 [161]	1d 9:07:41 [1061]	406596 [251]
Minimum	0:01:31 [782]	-11.6632 [1061]	0.0116 [782]	0:07:14 [9]	355871 [732]
Beza	1:03:24	21.3209°	13.5928°	1 d 9:00:27	50725 km

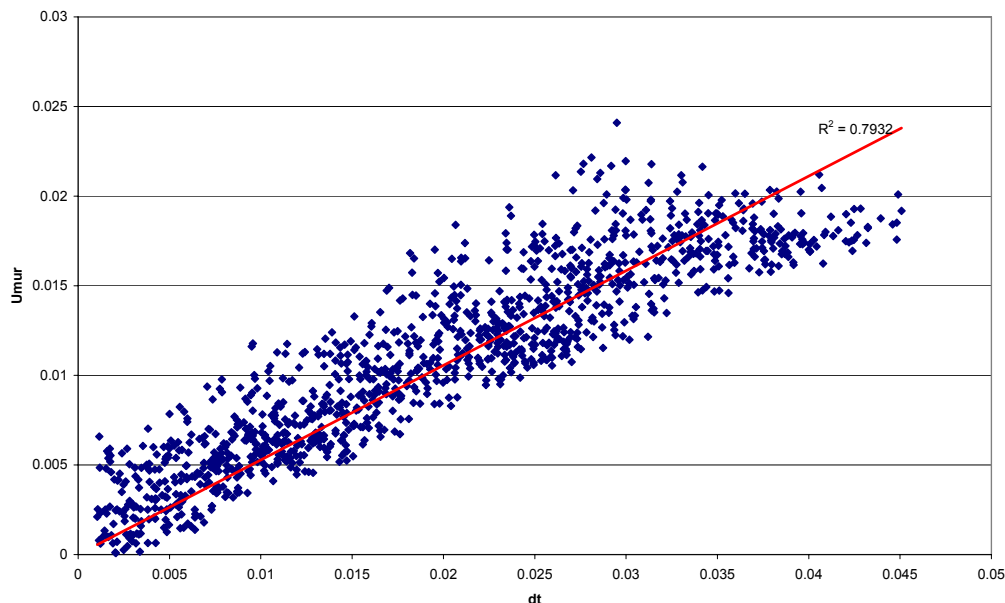
Oleh kerana terdapat perbezaan yang sangat tinggi maka ada parameter yang tidak konsisten (ekstreme) dengan beberapa parameter lain yang di luar jangkaan kita.

Umur bulan dengan parameter lain:
Pada lunasi ke 1049, umur anak bulan ialah lebih 12 jam namun altitud anak bulan kurang 2°. Begitu juga dengan lunasi ke 1061, walaupun usia anak bulan mencapai 33 jam tetapi ia hanya berada diatas ufuk (dt) dalam masa 43 minit.



Rajah 4: Taburan umur dan altitud (h)

Tidak ada kolerasi parameter umur bulan dengan altitud (h) dalam rajah 4, dan dengan tempoh susulan (dt) dalam rajah 5. Perbezaan besar yang ketara ini boleh di lihat di kedua-dua rajah di mana taburan datanya menyimpang jauh dari garisan pusat (purata). Dengan ini bolehlah dirumuskan kerana tiada kolerasi antara parameter umur dengan altitud dan waktu susulan. Jadi kriteria kenampakan anak bulan tidak boleh hanya bersandarkan kepada 3 parameter tadi.



Rajah 5: Taburan umur dan waktu susulan (dt)

Jarak terdekat: Berikut disenaraikan 10 tarikh cerapan di mana jarak bulan adalah yang paling dekat dengan bumi (kurang 356250 km) iaitu pada 2014-01-02, 2020-10-17, 2023-01-22, 2033-03-02, 2039-12-16, 2056-11-08, 2059-02-13, 2073-10-02, 2076-01-07 dan 2077-02-23. Kesemua anak bulan pada tarikh tadi mempunyai umur lebih dari 13 jam.

Analisa keseluruhan data memberi kita peluang untuk memecah rekod dunia bagi kenampakan anak bulan termuda. Ini besar kemungkinan boleh dicapai pada 2024-02-10 [299], 2024-07-06 [304], 2056-12-07 [705], 2058-02-23 [720] dan 2077-23-02 [955] berdasarkan pada tarikh tadi anak bulan berumur kurang 11 jam 40 minit dan berada pada ketinggian lebih 5° , jaraknya kurang 370 000 km (kecuali lunasi ke 304) dan berada lebih 26 minit di atas ufuk selepas matahari terbenam.

Kesimpulan

Sedikit rumusan dari kajian ini. (1) Saya telahpun menyenaraikan sebanyak 1237 tarikh permulaan anak bulan yang boleh dicerap di negara ini sepanjang satu abad. (2) Tarikh tadi telah dikategorikan kepada empat mengikut altitud bulan. (3) Peredaran bulan sangat dinamik dan terdapatnya nilai perbezaan yang tinggi di dalam parameter anak bulan. (4) Saya juga mencadangkan tarikh-tarikh bilamana rekod dunia umur anak bulan termuda boleh dicipta di Negara ini. (5) Oleh kerana kuantiti umur bulan tidak konsisten dengan altitud dan dt maka kriteria kenampakan yang melibatkan umur dan altitud serta dt harus dielakkan. (6) Saya juga mencadangkan agar kajian kenampakan anak bulan dilakukan di Negara ini dan jadual tadi memberikan data-data kritikal untuk tujuan kajian itu.

Namun ada beberapa kelemahan yang perlu diatasi. Data-data adalah dihasilkan dengan bantuan aturan komputer yang mungkin terdapat sedikit ralat. Oleh yang demikian semakkan terhadap jadual tadi harus dilakukan. Tambahan lagi tarikh yang dinyatakan hanya menunjukkan anak bulan sudah 'ada' berdasarkan kiraan tetapi kurang maklumat akan kenampakannya. Analisis yang sedikit dan kajian yang singkat ini banyak menyumbang kepada kecacatan hasil kerja ini. Masalah ini boleh diatasi dengan mengendalikan penyelidikan yang berterusan dan lebih terperinci.

Jadual Kenampakan Pertama Anak Bulan

2000 – 2009

No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
1	2000-01-07	18:21:32	18:49:33	0:28:01	247° 33' 21"	248° 43' 25"	1° 10' 04"	5° 43' 59"	16:06:47	402926	Syawal	1420
2	2000-02-06	18:32:24	19:12:32	0:40:08	254° 15' 34"	254° 26' 27"	0° 10' 53"	8° 42' 02"	21:28:02	393958	Zulkaedah	1420
3	2000-03-06	18:33:04	18:43:59	0:10:55	264° 35' 44"	261° 53' 38"	-2° 42' 06"	2° 07' 05"	5:15:11	386300	Zulhijjah	1420
4	2000-04-05	18:28:10	19:05:18	0:37:08	276° 21' 48"	274° 12' 35"	-2° 09' 14"	8° 13' 00"	16:15:05	372944	Muharram	1421
5	2000-05-04	18:25:59	18:40:45	0:14:46	286° 15' 00"	282° 21' 01"	-3° 53' 59"	2° 52' 34"	6:12:54	365569	Safar	1421
6	2000-06-03	18:29:58	19:24:38	0:54:40	292° 32' 19"	290° 18' 59"	-2° 13' 20"	11° 26' 07"	22:14:56	357802	Rabiulawal	1421
7	2000-07-02	18:36:31	19:11:32	0:35:01	293° 10' 15"	291° 05' 39"	-2° 04' 36"	7° 03' 57"	15:15:34	356800	Rabiulakhir	1421
8	2000-07-31	18:36:25	18:54:34	0:18:09	288° 16' 34"	288° 10' 43"	-0° 05' 51"	3° 29' 50"	8:10:22	359125	Jamadirawal	1421
9	2000-08-29	18:27:30	18:30:28	0:02:58	279° 16' 32"	282° 21' 24"	3° 04' 52"	0° 17' 07"	0:07:14	364557	Jamadirakhir	1421
10	2000-09-28	18:13:06	18:47:09	0:34:03	267° 50' 20"	268° 34' 49"	0° 44' 29"	7° 32' 51"	14:19:02	375036	Rejab	1421
11	2000-10-27	18:02:52	18:11:11	0:08:19	257° 04' 20"	261° 00' 16"	3° 55' 56"	1° 31' 56"	2:03:48	384535	Syaban	1421
12	2000-11-26	18:03:28	18:24:39	0:21:11	248° 57' 33"	250° 31' 54"	1° 34' 21"	4° 16' 10"	10:51:03	396034	Ramadan	1421
13	2000-12-26	18:15:57	18:46:10	0:30:13	246° 38' 11"	246° 30' 35"	-0° 07' 36"	6° 07' 09"	16:53:09	403698	Syawal	1421
14	2001-01-25	18:29:33	19:08:22	0:38:49	251° 06' 57"	250° 03' 49"	-1° 03' 09"	8° 13' 26"	21:21:39	405487	Zulkaedah	1421
15	2001-02-23	18:33:23	18:38:20	0:04:56	260° 18' 30"	256° 45' 40"	-3° 32' 50"	0° 49' 29"	2:11:09	404000	Zulhijjah	1421
16	2001-03-25	18:30:17	18:49:40	0:19:23	272° 00' 13"	268° 37' 55"	-3° 22' 18"	4° 07' 55"	9:08:05	395438	Muharram	1422
17	2001-04-24	18:26:19	19:06:03	0:39:44	283° 04' 41"	281° 28' 15"	-1° 36' 26"	8° 41' 49"	18:59:38	383058	Safar	1422
18	2001-05-23	18:28:13	18:42:44	0:14:31	290° 47' 49"	288° 36' 17"	-2° 11' 31"	2° 44' 36"	7:41:05	374686	Rabiulawal	1422
19	2001-06-22	18:34:13	19:28:18	0:54:06	293° 36' 10"	292° 54' 33"	-0° 41' 38"	11° 07' 05"	22:35:22	363054	Rabiulakhir	1422
20	2001-07-21	18:37:29	19:13:59	0:36:30	290° 34' 12"	290° 34' 25"	0° 00' 12"	7° 26' 16"	14:52:09	358327	Jamadirawal	1422
21	2001-08-19	18:31:59	18:52:48	0:20:49	282° 48' 28"	284° 43' 14"	1° 54' 46"	4° 10' 17"	7:35:48	356702	Jamadirakhir	1422
22	2001-09-18	18:18:29	19:15:24	0:56:55	271° 50' 37"	269° 33' 49"	-2° 16' 48"	12° 55' 17"	23:50:08	359595	Rejab	1422
23	2001-10-17	18:05:31	18:40:47	0:35:15	260° 41' 03"	260° 46' 08"	0° 05' 05"	7° 41' 40"	14:41:10	365706	Syaban	1422
24	2001-11-15	18:01:55	18:08:50	0:06:55	251° 27' 27"	253° 29' 26"	2° 01' 59"	1° 09' 11"	3:20:48	374372	Ramadan	1422
25	2001-12-15	18:10:43	18:35:59	0:25:16	246° 42' 31"	245° 30' 49"	-1° 11' 42"	4° 56' 29"	13:22:06	386946	Syawal	1422
26	2002-01-14	18:25:03	19:06:13	0:41:10	248° 41' 43"	246° 24' 15"	-2° 17' 28"	8° 29' 20"	20:55:15	397859	Zulkaedah	1422
27	2002-02-12	18:32:58	18:38:58	0:06:00	256° 20' 33"	252° 26' 50"	-3° 53' 43"	1° 01' 19"	2:50:55	404030	Zulhijjah	1422
28	2002-03-14	18:31:42	18:49:20	0:17:38	267° 32' 28"	264° 01' 58"	-3° 30' 30"	3° 44' 08"	8:28:01	406216	Muharram	1423
29	2002-04-13	18:27:24	18:55:24	0:28:00	279° 10' 07"	277° 27' 33"	-1° 42' 34"	6° 07' 55"	15:05:08	402075	Safar	1423
30	2002-05-13	18:26:54	19:12:34	0:45:40	288° 32' 52"	289° 07' 25"	0° 34' 34"	9° 42' 20"	23:40:42	392424	Rabiulawal	1423
31	2002-06-11	18:31:43	18:52:06	0:20:24	293° 15' 20"	293° 50' 18"	0° 34' 58"	3° 53' 45"	10:44:08	384496	Rabiulakhir	1423
32	2002-07-11	18:37:21	19:34:26	0:57:05	292° 15' 56"	292° 45' 02"	0° 29' 06"	11° 50' 38"	1d 0:10:19	371092	Jamadirawal	1423

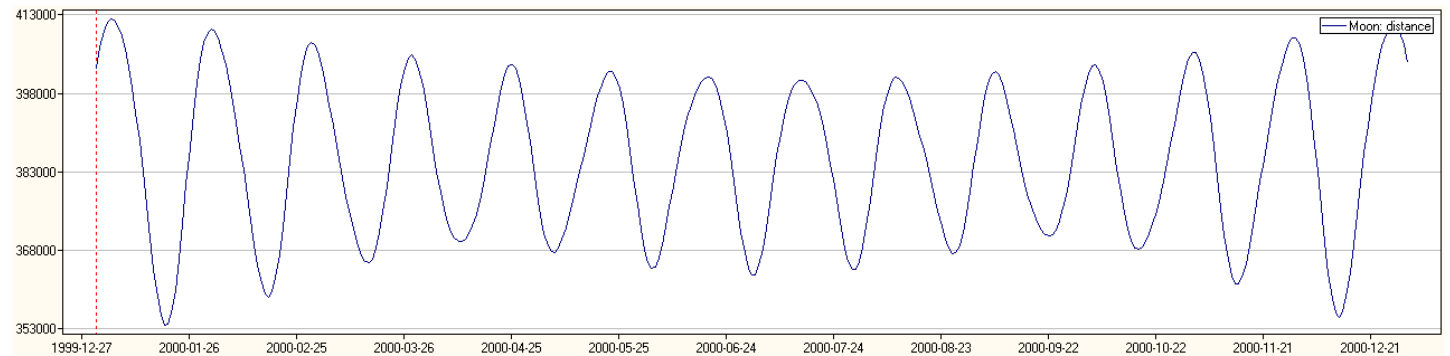
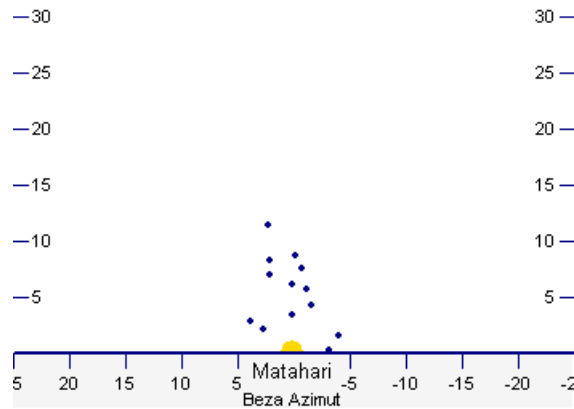
No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
33	2002-08-09	18:35:03	19:13:33	0:38:30	285° 58' 50"	286° 58' 46"	0° 59' 56"	8° 07' 00"	15:18:52	363724	Jamadilakhir	1423
34	2002-09-07	18:23:55	18:45:05	0:21:10	276° 09' 03"	278° 35' 02"	2° 25' 59"	4° 22' 51"	7:12:42	358683	Rejab	1423
35	2002-10-07	18:09:28	19:02:49	0:53:20	264° 32' 16"	261° 14' 39"	-3° 17' 37"	11° 55' 26"	22:51:01	356316	Syaban	1423
36	2002-11-05	18:01:59	18:31:41	0:29:42	254° 20' 02"	252° 49' 21"	-1° 30' 41"	6° 08' 07"	13:26:29	359257	Ramadan	1423
37	2002-12-05	18:06:13	19:07:24	1:01:11	247° 37' 03"	242° 41' 05"	-4° 55' 58"	12° 21' 26"	1d 2:30:46	367983	Syawal	1423
38	2003-01-03	18:19:55	18:49:36	0:29:42	247° 08' 45"	243° 43' 13"	-3° 25' 32"	5° 45' 22"	13:56:01	376852	Zulkaedah	1423
39	2003-02-02	18:31:38	19:22:06	0:50:29	253° 08' 42"	250° 37' 12"	-2° 31' 30"	10° 49' 58"	23:42:09	389224	Zulhijjah	1423
40	2003-03-03	18:33:18	18:50:18	0:17:00	263° 09' 01"	259° 38' 29"	-3° 30' 31"	3° 31' 05"	7:57:19	397645	Muharram	1424
41	2003-04-02	18:29:05	18:56:18	0:27:13	274° 56' 37"	273° 50' 54"	-1° 05' 43"	6° 00' 05"	15:09:27	404407	Safar	1424
42	2003-05-02	18:25:59	19:04:47	0:38:48	285° 26' 59"	286° 56' 35"	1° 29' 35"	8° 20' 21"	22:10:11	405160	Rabiulawal	1424
43	2003-05-31	18:29:15	18:37:23	0:08:08	292° 03' 00"	293° 22' 38"	1° 19' 38"	1° 23' 51"	6:08:22	403001	Rabiulakhir	1424
44	2003-06-30	18:36:00	19:09:06	0:33:06	293° 21' 29"	295° 52' 23"	2° 30' 54"	6° 31' 48"	15:56:23	393572	Jamadilawal	1424
45	2003-07-29	18:37:13	18:47:46	0:10:33	288° 57' 02"	292° 47' 22"	3° 50' 21"	1° 51' 41"	3:43:30	385711	Jamadilakhir	1424
46	2003-08-28	18:28:24	19:07:46	0:39:21	279° 53' 33"	280° 00' 37"	0° 07' 03"	8° 38' 52"	17:01:03	372288	Rejab	1424
47	2003-09-26	18:14:42	18:32:10	0:17:28	268° 54' 31"	270° 10' 32"	1° 16' 01"	3° 36' 12"	7:04:33	364880	Syaban	1424
48	2003-10-26	18:03:28	18:48:55	0:45:27	257° 39' 45"	252° 49' 15"	-4° 50' 30"	9° 42' 42"	21:12:09	357439	Ramadan	1424
49	2003-11-24	18:02:59	18:24:54	0:21:55	249° 29' 35"	246° 03' 36"	-3° 25' 59"	4° 08' 40"	11:02:57	356524	Syawal	1424
50	2003-12-24	18:14:39	19:16:06	1:01:27	246° 33' 39"	241° 06' 21"	-5° 27' 18"	12° 10' 08"	1d 0:30:34	360450	Zulkaedah	1424
51	2004-01-22	18:28:18	19:00:28	0:32:11	250° 13' 33"	246° 18' 17"	-3° 55' 16"	6° 23' 45"	13:22:16	367202	Zulhijjah	1424
52	2004-02-20	18:33:43	18:37:47	0:04:04	258° 57' 28"	254° 32' 33"	-4° 24' 56"	0° 34' 13"	1:14:54	376255	Muharram	1425
53	2004-03-21	18:31:01	18:53:34	0:22:33	270° 32' 03"	269° 36' 07"	-0° 55' 56"	4° 51' 51"	11:48:33	388710	Safar	1425
54	2004-04-20	18:26:39	19:03:12	0:36:33	281° 49' 47"	284° 23' 32"	2° 33' 45"	7° 55' 19"	21:04:20	399086	Rabiulawal	1425
55	2004-05-19	18:27:41	18:33:19	0:05:38	290° 02' 59"	292° 09' 37"	2° 06' 37"	0° 54' 40"	5:34:38	404619	Rabiulakhir	1425
56	2004-06-18	18:33:32	19:00:15	0:26:43	293° 35' 20"	297° 11' 56"	3° 36' 36"	5° 09' 03"	14:05:39	405771	Jamadilawal	1425
57	2004-07-18	18:37:47	19:26:03	0:48:17	291° 05' 20"	292° 53' 36"	1° 48' 16"	10° 03' 39"	23:12:59	400602	Jamadilakhir	1425
58	2004-08-16	18:32:44	18:53:42	0:20:58	283° 41' 18"	286° 03' 34"	2° 22' 16"	4° 18' 42"	9:07:52	394819	Rejab	1425
59	2004-09-15	18:19:50	18:57:10	0:37:20	272° 54' 04"	270° 22' 05"	-2° 31' 59"	8° 22' 41"	19:49:47	382328	Syaban	1425
60	2004-10-14	18:06:50	18:18:16	0:11:26	261° 41' 52"	260° 29' 13"	-1° 12' 39"	2° 12' 03"	7:17:34	373857	Ramadan	1425
61	2004-11-13	18:01:53	18:40:30	0:38:38	251° 54' 15"	245° 31' 45"	-6° 22' 29"	7° 44' 37"	19:33:41	362460	Syawal	1425
62	2004-12-12	18:09:04	18:25:20	0:16:16	246° 51' 48"	241° 55' 28"	-4° 56' 20"	2° 49' 15"	8:39:01	357858	Zulkaedah	1425
63	2005-01-11	18:23:40	19:22:25	0:58:44	248° 13' 50"	244° 04' 44"	-4° 09' 06"	11° 54' 44"	22:19:51	356254	Zulhijjah	1425
64	2005-02-09	18:32:41	19:02:35	0:29:54	255° 26' 49"	252° 58' 40"	-2° 28' 10"	6° 10' 24"	12:03:40	359977	Muharram	1426
65	2005-03-10	18:32:41	18:35:05	0:02:23	266° 04' 54"	263° 40' 55"	-2° 23' 59"	0° 08' 53"	1:21:19	367015	Safar	1426
66	2005-04-09	18:27:57	18:52:35	0:24:38	277° 47' 58"	280° 20' 10"	2° 32' 11"	5° 13' 00"	13:54:54	378838	Rabiulawal	1426
67	2005-05-09	18:26:23	19:15:33	0:49:10	287° 35' 14"	293° 12' 19"	5° 37' 05"	10° 10' 06"	1d 1:39:52	391091	Rabiulakhir	1426
68	2005-06-07	18:30:48	18:54:13	0:23:25	292° 56' 56"	297° 25' 22"	4° 28' 26"	4° 25' 49"	12:34:33	398939	Jamadilawal	1426
69	2005-07-07	18:36:46	19:23:40	0:46:54	292° 42' 53"	295° 25' 04"	2° 42' 11"	9° 33' 25"	22:33:07	404643	Jamadilakhir	1426

No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
70	2005-08-05	18:35:59	18:52:15	0:16:16	287° 01' 56"	289° 47' 01"	2° 45' 05"	3° 12' 21"	7:30:08	406155	Rejab	1426
71	2005-09-04	18:25:19	18:51:26	0:26:08	277° 10' 18"	275° 46' 21"	-1° 23' 56"	5° 44' 11"	15:38:49	401639	Syaban	1426
72	2005-10-04	18:10:59	18:46:58	0:35:59	265° 35' 43"	259° 28' 40"	-6° 07' 03"	7° 57' 02"	23:42:03	391927	Ramadan	1426
73	2005-11-02	18:01:48	18:10:35	0:08:48	255° 10' 12"	250° 58' 22"	-4° 11' 50"	1° 33' 02"	8:36:11	383897	Syawal	1426
74	2005-12-02	18:05:19	18:43:15	0:37:56	247° 59' 27"	240° 56' 27"	-7° 03' 00"	7° 16' 50"	19:03:23	370574	Zulkaedah	1426
75	2005-12-31	18:18:33	18:32:41	0:14:09	246° 54' 36"	241° 52' 08"	-5° 02' 28"	2° 24' 34"	7:05:47	363315	Zulhijjah	1426
76	2006-01-30	18:30:31	19:21:03	0:50:33	252° 21' 52"	251° 07' 00"	-1° 14' 52"	10° 43' 34"	20:14:52	356567	Muharram	1427
77	2006-02-28	18:33:23	18:55:09	0:21:45	262° 06' 23"	262° 15' 16"	0° 08' 53"	4° 31' 05"	10:01:35	356699	Safar	1427
78	2006-03-30	18:29:26	19:19:08	0:49:42	273° 53' 02"	279° 59' 52"	6° 06' 50"	10° 59' 09"	1d 0:13:06	361990	Rabiulawal	1427
79	2006-04-28	18:26:01	18:53:16	0:27:15	284° 18' 08"	289° 38' 45"	5° 20' 37"	5° 29' 36"	14:41:03	369312	Rabiulakhir	1427
80	2006-05-27	18:28:43	18:34:52	0:06:09	291° 28' 29"	296° 18' 08"	4° 49' 39"	0° 54' 43"	5:02:03	378358	Jamadirawal	1427
81	2006-06-26	18:35:01	19:16:20	0:41:19	293° 31' 31"	297° 08' 01"	3° 36' 31"	8° 09' 46"	18:28:39	390305	Jamadirakhir	1427
82	2006-07-25	18:37:18	18:50:54	0:13:36	289° 47' 14"	292° 38' 47"	2° 51' 32"	2° 32' 26"	6:05:16	398323	Rejab	1427
83	2006-08-24	18:30:09	18:54:45	0:24:36	281° 11' 40"	279° 32' 15"	-1° 39' 25"	5° 19' 46"	15:19:18	404691	Syaban	1427
84	2006-09-23	18:15:44	18:45:55	0:30:11	269° 57' 56"	263° 53' 52"	-6° 04' 03"	6° 42' 58"	22:29:37	405247	Ramadan	1427
85	2006-10-23	18:04:01	18:44:57	0:40:56	258° 36' 19"	249° 16' 42"	-9° 19' 37"	8° 39' 51"	1d 4:48:53	399661	Syawal	1427
86	2006-11-21	18:02:40	18:16:01	0:13:21	250° 04' 34"	243° 48' 05"	-6° 16' 29"	2° 23' 49"	11:43:39	393469	Zulkaedah	1427
87	2006-12-21	18:13:07	18:55:33	0:42:27	246° 32' 24"	240° 49' 47"	-5° 42' 36"	8° 14' 58"	20:11:20	380453	Zulhijjah	1427
88	2007-01-19	18:26:49	18:40:15	0:13:26	249° 37' 14"	246° 27' 21"	-3° 09' 53"	2° 24' 29"	6:25:04	371954	Muharram	1428
89	2007-02-18	18:33:17	19:12:30	0:39:13	258° 20' 07"	260° 36' 44"	2° 16' 37"	8° 35' 02"	18:17:57	361200	Safar	1428
90	2007-03-19	18:31:29	18:43:14	0:11:46	269° 27' 16"	272° 22' 43"	2° 55' 27"	2° 15' 03"	7:47:53	357654	Rabiulawal	1428
91	2007-04-18	18:26:45	19:14:51	0:48:06	280° 52' 58"	288° 48' 58"	7° 56' 00"	10° 06' 32"	22:49:34	357362	Rabiulakhir	1428
92	2007-05-17	18:27:05	18:59:23	0:32:17	289° 26' 47"	295° 38' 38"	6° 11' 51"	6° 14' 18"	14:58:42	361540	Jamadirawal	1428
93	2007-06-15	18:33:01	18:48:44	0:15:43	293° 28' 52"	298° 02' 00"	4° 33' 08"	2° 44' 14"	7:18:49	368563	Jamadirakhir	1428
94	2007-07-15	18:37:22	19:27:35	0:50:13	291° 42' 26"	291° 22' 48"	-0° 19' 37"	10° 31' 39"	22:32:31	380321	Rejab	1428
95	2007-08-13	18:34:06	18:53:28	0:19:21	284° 51' 09"	283° 28' 12"	-1° 22' 57"	3° 59' 24"	11:30:28	389690	Syaban	1428
96	2007-09-12	18:21:45	18:50:07	0:28:21	274° 20' 05"	267° 45' 41"	-6° 34' 24"	6° 17' 45"	21:36:23	399869	Ramadan	1428
97	2007-10-12	18:07:39	18:45:18	0:37:39	262° 42' 54"	252° 48' 13"	-9° 54' 41"	8° 07' 59"	1d 5:05:49	405196	Syawal	1428
98	2007-11-10	18:01:30	18:09:52	0:08:22	252° 55' 05"	246° 32' 48"	-6° 22' 18"	1° 27' 27"	10:57:17	406237	Zulkaedah	1428
99	2007-12-10	18:07:51	18:34:51	0:27:00	247° 05' 06"	241° 14' 22"	-5° 50' 44"	5° 08' 31"	16:26:25	400815	Zulhijjah	1428
100	2008-01-09	18:22:31	19:08:37	0:46:06	247° 49' 32"	245° 51' 42"	-1° 57' 50"	9° 30' 14"	22:44:22	390191	Muharram	1429
101	2008-02-07	18:32:14	18:43:10	0:10:56	254° 34' 52"	254° 48' 15"	0° 13' 23"	2° 02' 50"	6:46:44	382010	Safar	1429
102	2008-03-08	18:32:54	19:02:27	0:29:33	265° 24' 23"	270° 53' 20"	5° 28' 58"	6° 26' 50"	17:17:40	369077	Rabiulawal	1429
103	2008-04-06	18:28:02	18:34:05	0:06:03	276° 46' 16"	281° 51' 26"	5° 05' 10"	0° 57' 52"	6:31:39	362521	Rabiulakhir	1429
104	2008-05-06	18:26:10	19:16:40	0:50:30	286° 50' 34"	294° 26' 03"	7° 35' 29"	10° 10' 09"	22:06:47	356693	Jamadirawal	1429
105	2008-06-04	18:30:32	19:07:54	0:37:21	292° 40' 22"	297° 08' 40"	4° 28' 17"	7° 10' 31"	15:06:48	357186	Jamadirakhir	1429
106	2008-07-03	18:36:20	18:56:11	0:19:51	293° 04' 35"	294° 54' 00"	1° 49' 25"	3° 40' 10"	8:16:37	361181	Rejab	1429

No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
107	2008-08-02	18:36:17	19:24:36	0:48:18	287° 45' 05"	282° 20' 58"	-5° 24' 06"	10° 38' 09"	1d 0:22:39	370781	Syaban	1429
108	2008-08-31	18:26:31	18:45:54	0:19:23	278° 31' 32"	272° 54' 04"	-5° 37' 28"	4° 05' 56"	14:27:21	379906	Ramadan	1429
109	2008-09-30	18:12:25	18:46:32	0:34:07	267° 02' 10"	256° 53' 48"	-10° 08' 21"	7° 26' 01"	1d 1:58:57	392069	Syawal	1429
110	2008-10-29	18:02:27	18:09:39	0:07:12	256° 22' 43"	249° 44' 41"	-6° 38' 01"	1° 14' 32"	10:47:24	399763	Zulkaedah	1429
111	2008-11-28	18:04:14	18:29:25	0:25:11	248° 35' 23"	242° 29' 04"	-6° 06' 19"	4° 50' 44"	17:08:26	405335	Zulhijjah	1429
112	2008-12-28	18:17:13	18:57:20	0:40:07	246° 44' 05"	244° 22' 18"	-2° 21' 47"	8° 08' 37"	21:53:37	404764	Muharram	1430
113	2009-01-27	18:30:00	19:16:49	0:46:49	251° 38' 19"	254° 45' 45"	3° 07' 26"	10° 17' 28"	1d 2:33:38	398217	Safar	1430
114	2009-02-25	18:33:32	18:43:20	0:09:48	261° 04' 52"	265° 00' 48"	3° 55' 56"	1° 53' 49"	8:57:22	391798	Rabiulawal	1430
115	2009-03-27	18:29:39	18:57:35	0:27:56	272° 48' 47"	280° 21' 43"	7° 32' 56"	5° 58' 54"	18:22:34	378850	Rabiulakhir	1430
116	2009-04-25	18:26:22	18:33:11	0:06:49	283° 25' 59"	289° 13' 43"	5° 47' 44"	1° 05' 45"	7:02:43	370628	Jamadilawal	1430
117	2009-05-25	18:28:10	19:22:21	0:54:11	291° 10' 12"	295° 57' 05"	4° 46' 53"	10° 49' 24"	22:16:03	360341	Jamadilakhir	1430
118	2009-06-23	18:34:43	19:11:35	0:36:52	293° 35' 46"	294° 18' 36"	0° 42' 49"	7° 17' 02"	14:58:36	357171	Rejab	1430
119	2009-07-22	18:37:33	18:52:35	0:15:03	290° 21' 27"	288° 31' 28"	-1° 49' 58"	2° 48' 50"	8:01:56	357474	Syaban	1430
120	2009-08-21	18:31:01	19:13:15	0:42:14	282° 06' 46"	272° 41' 59"	-9° 24' 47"	9° 26' 22"	1d 0:28:26	362869	Ramadan	1430
121	2009-09-19	18:18:05	18:35:58	0:17:53	271° 25' 40"	263° 11' 02"	-8° 14' 38"	3° 41' 12"	15:32:40	370144	Syawal	1430
122	2009-10-19	18:05:06	18:50:04	0:44:58	259° 56' 01"	248° 53' 46"	-11° 02' 15"	9° 27' 43"	1d 4:30:55	382152	Zulkaedah	1430
123	2009-11-17	18:01:48	18:23:03	0:21:16	250° 56' 07"	244° 51' 57"	-6° 04' 10"	4° 04' 35"	14:47:00	391144	Zulhijjah	1430
124	2009-12-17	18:11:20	18:53:03	0:41:43	246° 36' 53"	243° 58' 20"	-2° 38' 33"	8° 26' 16"	22:08:02	400585	Muharram	1431

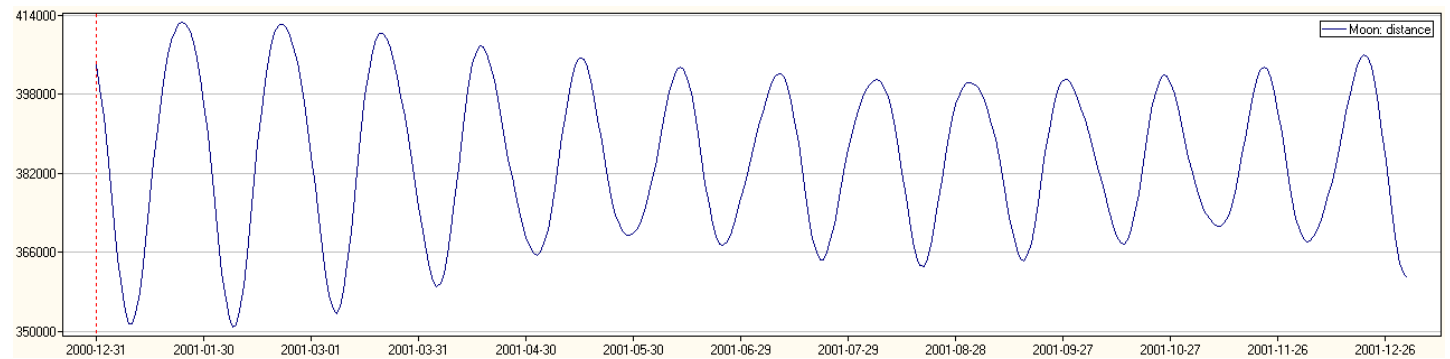
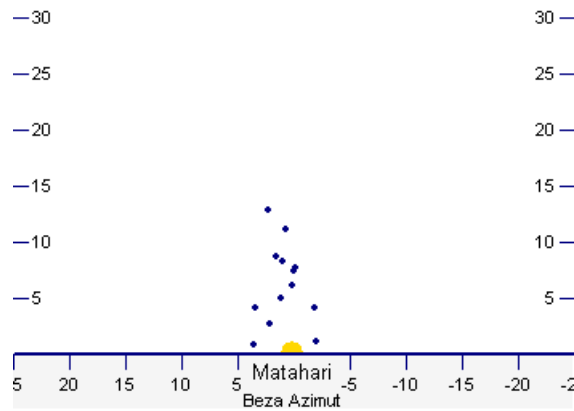
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2000-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



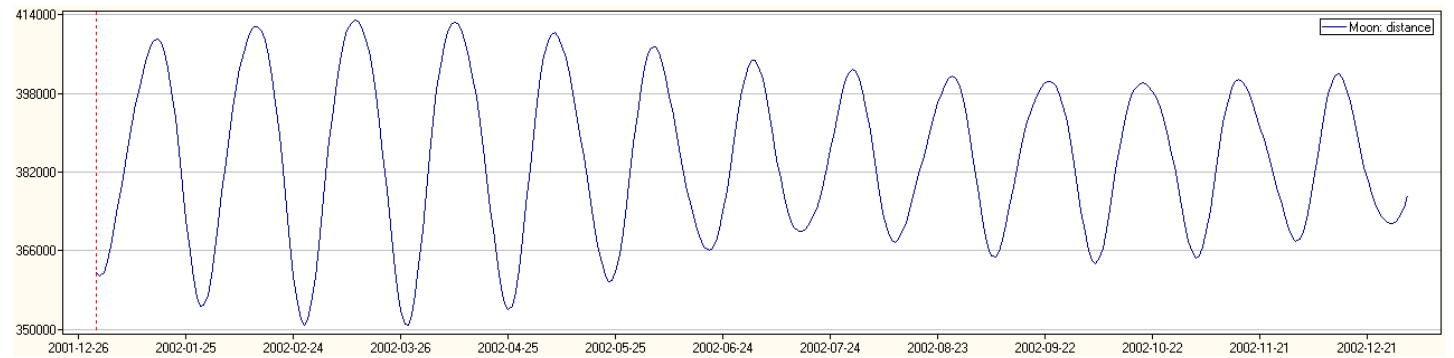
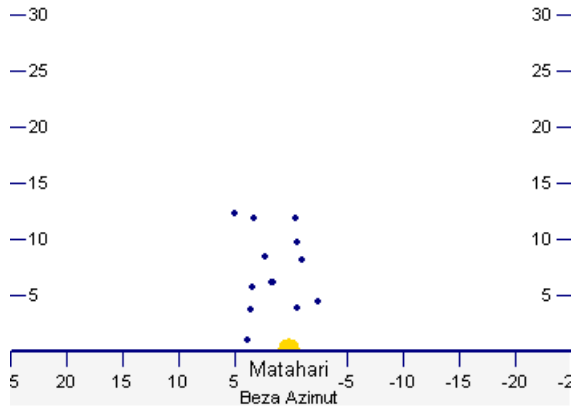
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2001-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



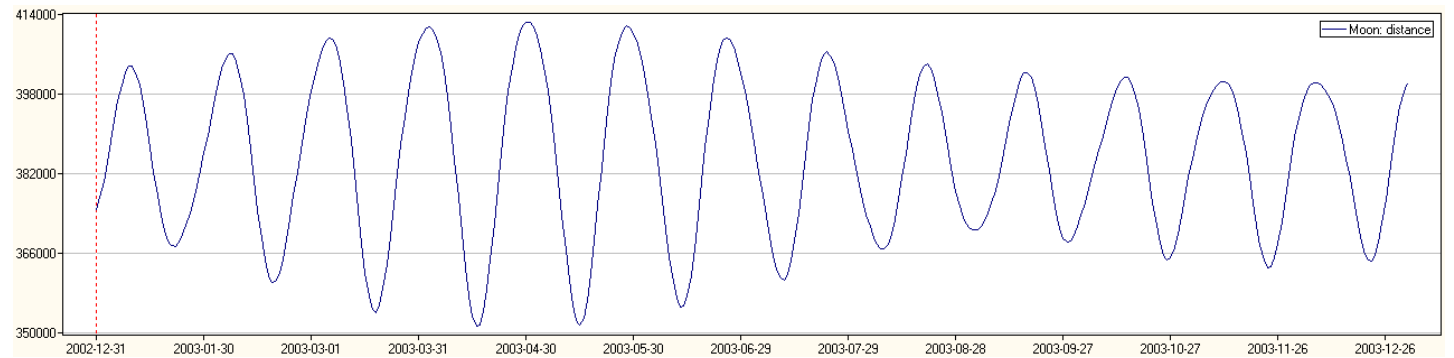
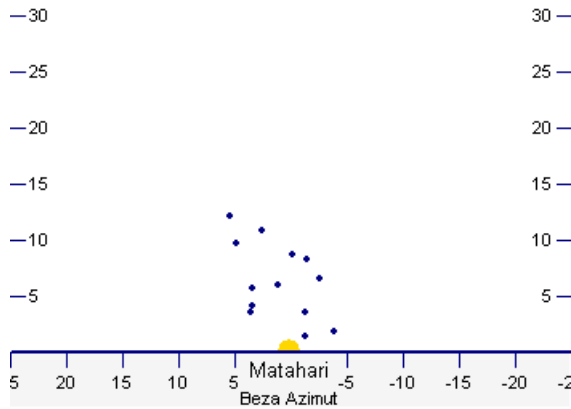
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Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



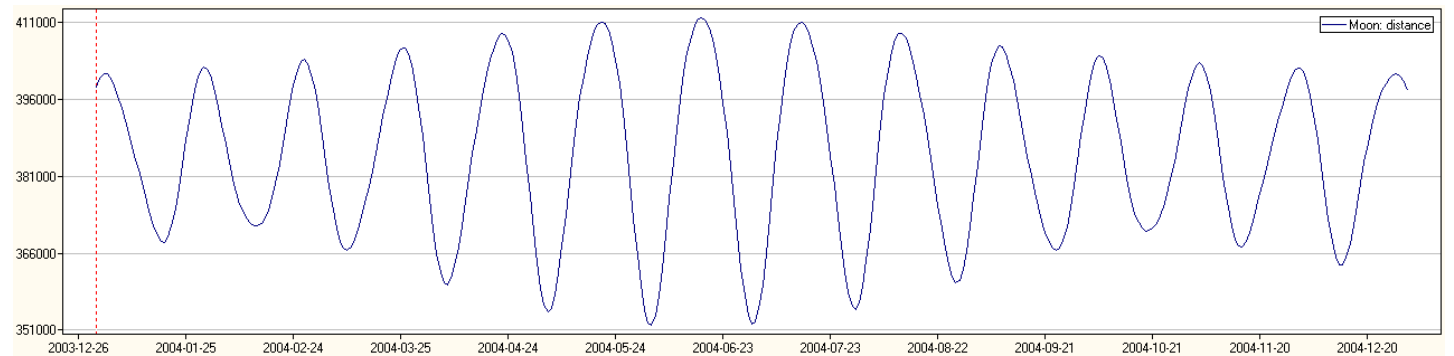
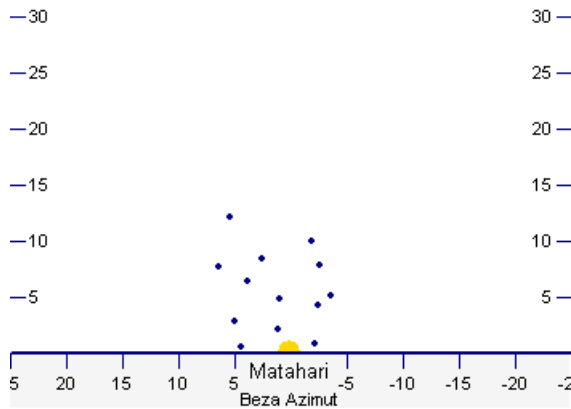
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2003-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



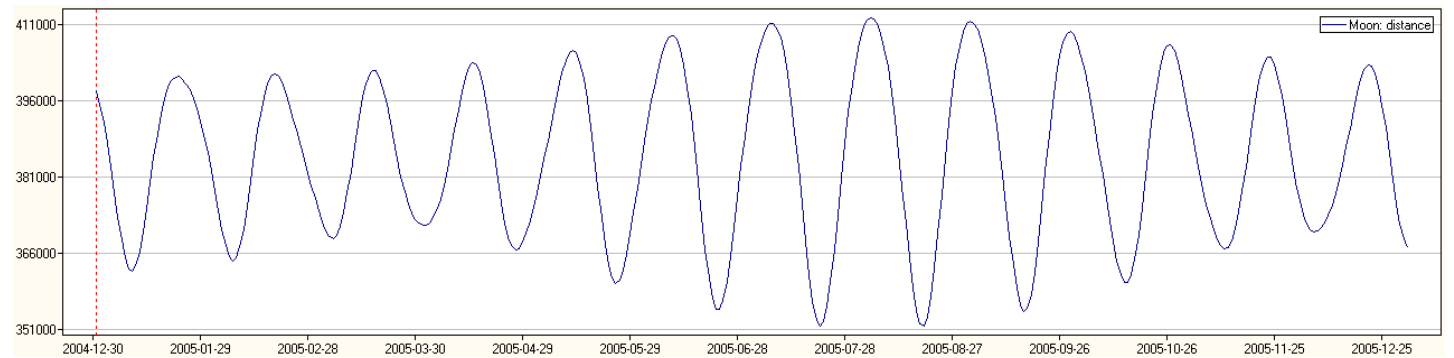
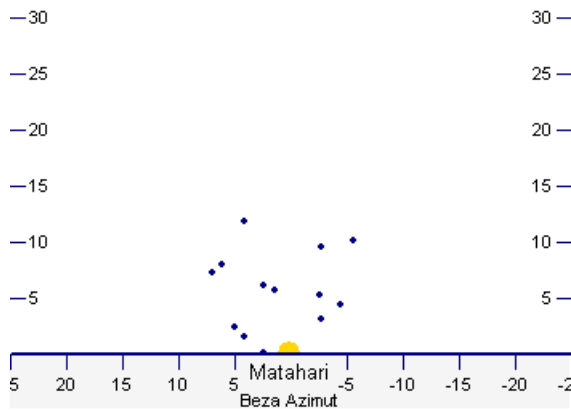
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2004-01-01

Lokasi: Bandar Seri Begawan (Brunei) ©Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



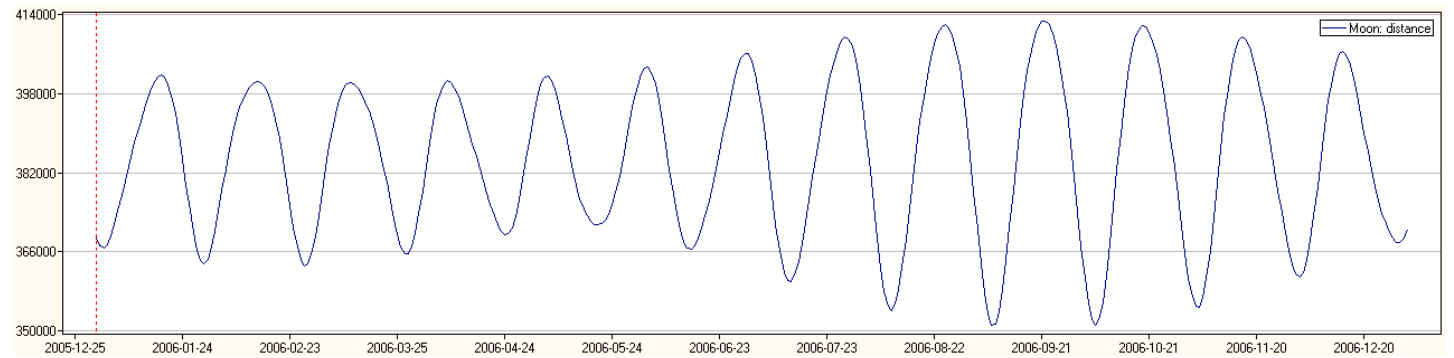
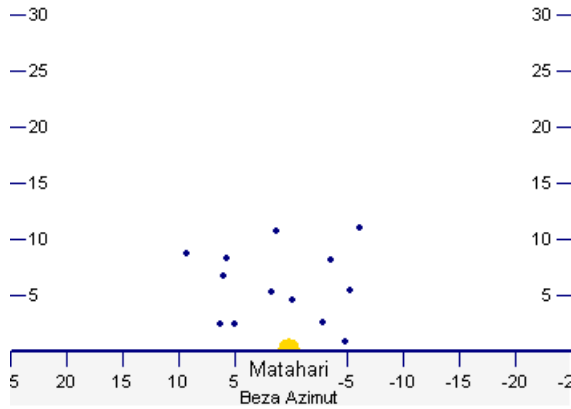
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2005-01-01

Lokasi: Bandar Seri Begawan (Brunei) ©Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



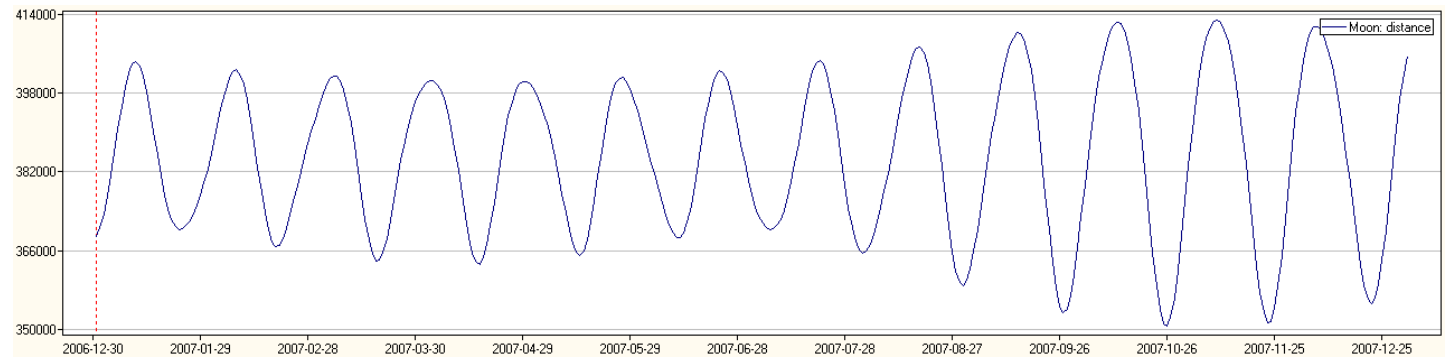
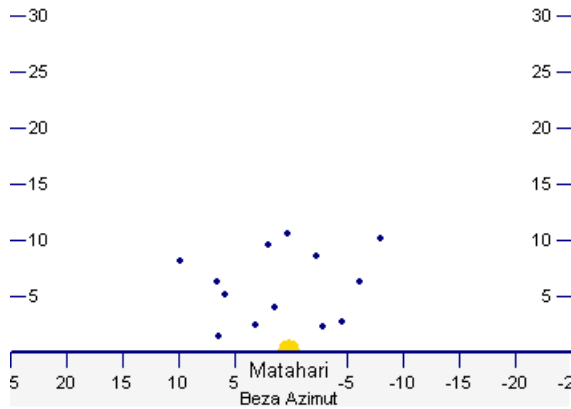
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2006-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



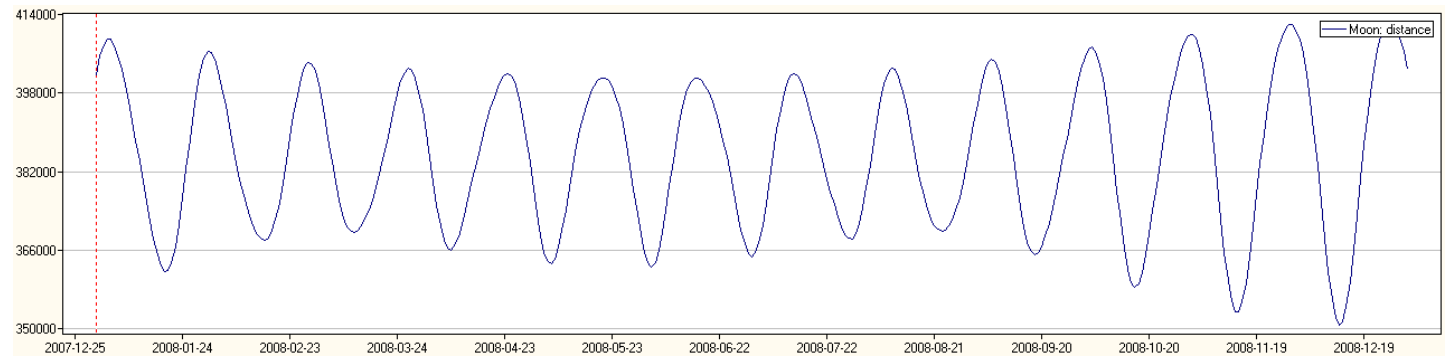
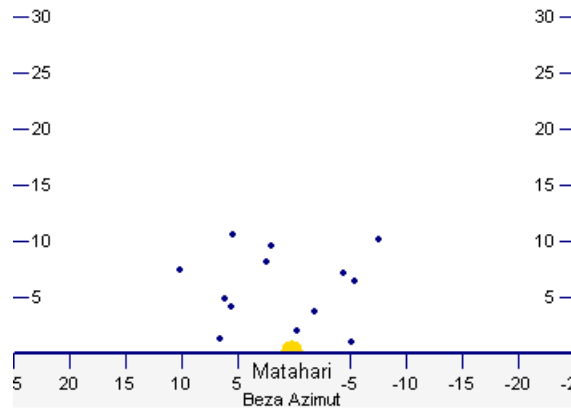
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2007-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



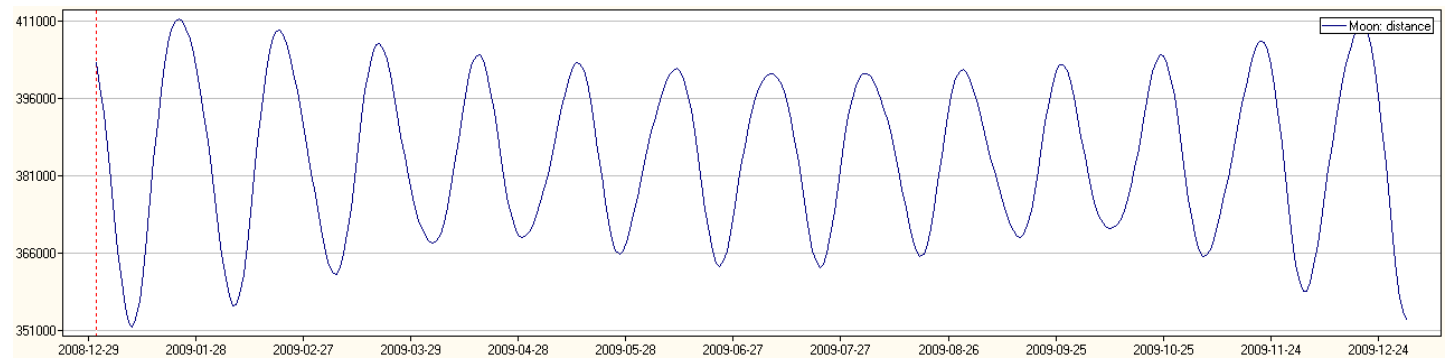
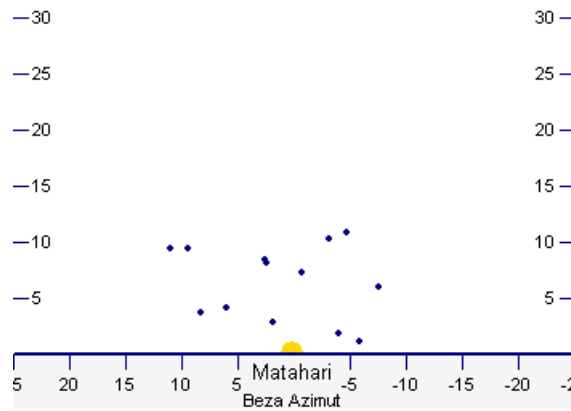
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2008-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2009-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



Jadual Kenampakan Pertama Anak Bulan 2010 – 2019

No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
125	2010-01-15	18:25:43	18:27:28	0:01:46	248° 53' 36"	249° 32' 25"	0° 38' 49"	0° 03' 26"	3:13:09	405535	Safar	1431
126	2010-02-14	18:33:32	18:39:44	0:06:12	257° 02' 57"	261° 03' 23"	4° 00' 26"	1° 06' 57"	7:41:04	405820	Rabiulawal	1431
127	2010-03-16	18:31:57	18:45:54	0:13:57	268° 22' 25"	274° 57' 36"	6° 35' 11"	2° 51' 51"	13:29:36	399839	Rabiulakhir	1431
128	2010-04-15	18:27:13	19:02:10	0:34:57	279° 55' 08"	287° 30' 30"	7° 35' 22"	7° 22' 38"	21:57:10	388804	Jamadilawal	1431
129	2010-05-14	18:27:02	18:41:30	0:14:28	288° 48' 38"	293° 07' 21"	4° 18' 43"	2° 39' 02"	9:21:34	380396	Jamadilakhir	1431
130	2010-06-13	18:32:37	19:26:41	0:54:04	293° 23' 34"	293° 28' 29"	0° 04' 55"	11° 05' 45"	23:16:53	367475	Rejab	1431
131	2010-07-12	18:37:27	19:08:08	0:30:41	292° 06' 55"	288° 31' 44"	-3° 35' 11"	6° 16' 42"	14:55:56	361250	Syaban	1431
132	2010-08-10	18:34:52	18:41:57	0:07:05	285° 39' 59"	280° 49' 30"	-4° 50' 29"	1° 10' 47"	7:25:44	357803	Ramadan	1431
133	2010-09-09	18:22:59	19:00:53	0:37:55	275° 22' 03"	264° 11' 08"	-11° 10' 54"	8° 21' 21"	23:52:07	357791	Syawal	1431
134	2010-10-08	18:09:24	18:29:15	0:19:51	264° 08' 03"	255° 43' 13"	-8° 24' 50"	3° 59' 51"	15:23:52	362022	Zulkaedah	1431
135	2010-11-07	18:01:38	19:00:04	0:58:26	253° 42' 30"	244° 57' 56"	-8° 44' 34"	12° 02' 09"	1d 5:08:48	371951	Zulhijjah	1431
136	2010-12-06	18:06:22	18:39:36	0:33:13	247° 28' 56"	244° 49' 29"	-2° 39' 27"	6° 35' 22"	16:29:32	381043	Muharram	1432
137	2011-01-05	18:20:52	19:10:15	0:49:23	247° 21' 42"	249° 50' 57"	2° 29' 15"	10° 32' 38"	1d 1:17:05	393087	Safar	1432
138	2011-02-03	18:31:38	18:39:36	0:07:58	253° 27' 11"	257° 50' 24"	4° 23' 14"	1° 28' 21"	7:59:49	400887	Rabiulawal	1432
139	2011-03-05	18:33:18	18:47:11	0:13:53	263° 57' 08"	270° 35' 01"	6° 37' 53"	2° 52' 47"	13:46:16	405973	Rabiulakhir	1432
140	2011-04-04	18:28:47	18:55:08	0:26:21	275° 44' 22"	282° 47' 25"	7° 03' 03"	5° 38' 25"	19:55:22	404584	Jamadilawal	1432
141	2011-05-04	18:26:13	19:15:56	0:49:42	286° 03' 59"	291° 09' 58"	5° 05' 59"	10° 28' 13"	1d 3:34:27	396988	Jamadilakhir	1432
142	2011-06-02	18:30:08	18:55:00	0:24:52	292° 20' 32"	293° 04' 15"	0° 43' 42"	4° 54' 04"	13:26:27	389949	Rejab	1432
143	2011-07-02	18:36:20	19:27:51	0:51:31	293° 12' 54"	288° 09' 16"	-5° 03' 38"	11° 01' 42"	1d 1:41:21	376704	Syaban	1432
144	2011-07-31	18:36:51	19:01:15	0:24:24	288° 26' 30"	281° 26' 04"	-7° 00' 26"	5° 06' 37"	15:55:57	368688	Ramadan	1432
145	2011-08-29	18:28:12	18:30:35	0:02:22	279° 30' 51"	273° 10' 29"	-6° 20' 22"	0° 07' 58"	7:23:01	362226	Syawal	1432
146	2011-09-28	18:13:45	18:51:55	0:38:10	268° 05' 57"	257° 42' 21"	-10° 23' 37"	8° 14' 19"	23:04:03	356746	Zulkaedah	1432
147	2011-10-27	18:03:00	18:26:54	0:23:54	257° 17' 38"	251° 12' 58"	-6° 04' 40"	4° 45' 28"	14:06:07	357296	Zulhijjah	1432
148	2011-11-25	18:03:20	18:07:26	0:04:06	249° 17' 02"	247° 50' 30"	-1° 26' 32"	0° 30' 26"	3:52:31	361488	Muharram	1433
149	2011-12-25	18:15:03	18:50:50	0:35:47	246° 35' 03"	248° 30' 13"	1° 55' 10"	7° 19' 02"	16:07:35	371128	Safar	1433
150	2012-01-24	18:28:48	19:19:20	0:50:32	250° 42' 25"	257° 28' 18"	6° 45' 53"	11° 12' 36"	1d 2:48:21	383695	Rabiulawal	1433
151	2012-02-22	18:33:39	18:46:50	0:13:11	259° 42' 18"	266° 09' 22"	6° 27' 04"	2° 40' 31"	11:57:47	393043	Rabiulakhir	1433
152	2012-03-23	18:30:39	18:57:17	0:26:38	271° 21' 04"	278° 13' 24"	6° 52' 20"	5° 47' 43"	19:52:22	401969	Jamadilawal	1433
153	2012-04-22	18:26:29	19:11:37	0:45:08	282° 31' 42"	287° 28' 32"	4° 56' 50"	9° 44' 22"	1d 3:06:54	405304	Jamadilakhir	1433
154	2012-05-21	18:27:34	18:44:40	0:17:05	290° 27' 46"	290° 57' 02"	0° 29' 16"	3° 20' 18"	10:39:21	405006	Rejab	1433
155	2012-06-20	18:34:24	19:08:35	0:34:11	293° 36' 55"	289° 48' 06"	-3° 48' 48"	7° 07' 42"	19:31:11	397995	Syaban	1433
156	2012-07-19	18:37:29	18:40:45	0:03:16	290° 52' 49"	285° 55' 39"	-4° 57' 10"	0° 26' 08"	6:12:19	391366	Ramadan	1433

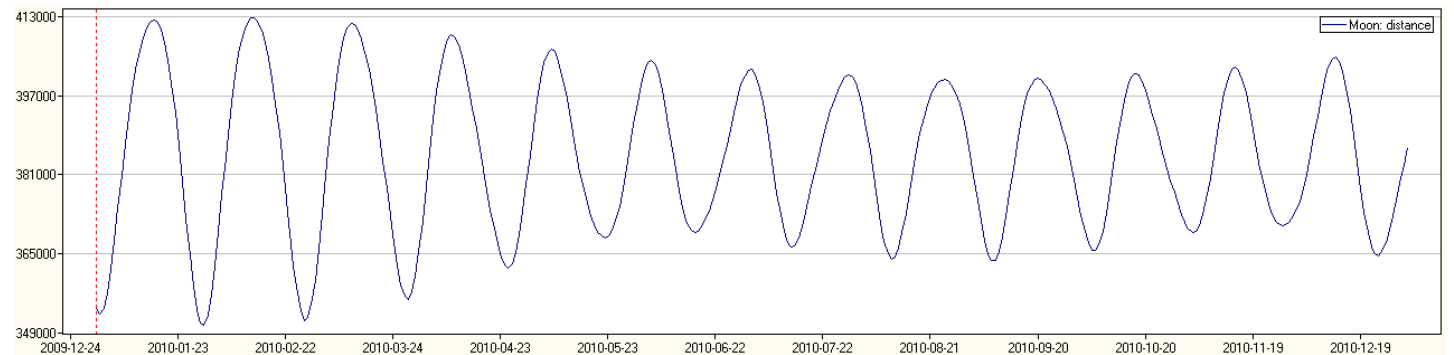
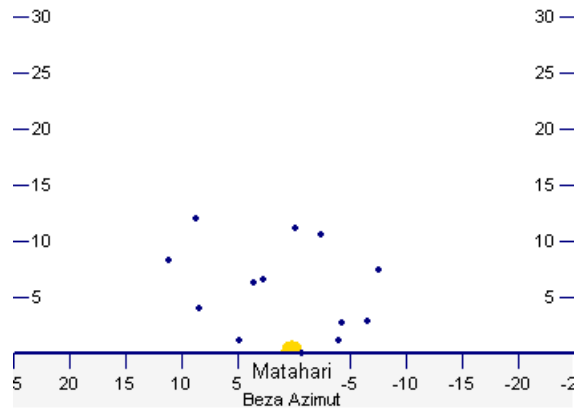
No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
157	2012-08-18	18:31:46	18:55:35	0:23:49	283° 00' 32"	274° 18' 59"	-8° 41' 34"	5° 06' 52"	18:36:09	378295	Syawal	1433
158	2012-09-16	18:19:01	18:22:53	0:03:51	272° 28' 45"	266° 29' 52"	-5° 58' 53"	0° 32' 39"	8:07:17	370052	Zulkaedah	1433
159	2012-10-16	18:05:55	18:47:27	0:41:33	260° 55' 46"	253° 32' 31"	-7° 23' 15"	8° 50' 44"	22:02:19	359979	Zulhijjah	1433
160	2012-11-14	18:01:49	18:27:07	0:25:18	251° 37' 38"	249° 32' 55"	-2° 04' 44"	4° 59' 53"	11:52:42	356771	Muharram	1434
161	2012-12-14	18:10:13	19:14:45	1:04:32	246° 44' 32"	248° 09' 48"	1° 25' 16"	13° 36' 16"	1d 1:27:33	357634	Safar	1434
162	2013-01-12	18:24:11	18:54:59	0:30:47	248° 24' 33"	253° 44' 44"	5° 20' 11"	6° 24' 19"	14:39:32	362766	Rabiulawal	1434
163	2013-02-11	18:33:01	19:23:46	0:50:45	256° 07' 39"	264° 35' 18"	8° 27' 39"	11° 26' 08"	1d 3:11:49	373636	Rabiulakhir	1434
164	2013-03-12	18:32:01	18:52:46	0:20:45	266° 53' 15"	272° 55' 15"	6° 02' 00"	4° 24' 26"	14:39:53	383133	Jamadilawal	1434
165	2013-04-11	18:27:35	19:10:45	0:43:10	278° 33' 37"	283° 13' 57"	4° 40' 20"	9° 27' 48"	1d 0:51:06	394674	Jamadilakhir	1434
166	2013-05-10	18:26:33	18:42:25	0:15:52	287° 51' 57"	287° 58' 47"	0° 06' 49"	3° 07' 58"	9:56:54	401650	Rejab	1434
167	2013-06-09	18:31:18	19:03:52	0:32:34	293° 07' 32"	289° 34' 53"	-3° 32' 39"	6° 48' 15"	18:33:42	405627	Syaban	1434
168	2013-07-09	18:37:15	19:20:13	0:42:59	292° 28' 25"	284° 46' 49"	-7° 41' 36"	9° 23' 57"	1d 3:21:43	403439	Ramadan	1434
169	2013-08-07	18:35:07	18:46:17	0:11:10	286° 26' 33"	279° 35' 25"	-6° 51' 09"	2° 12' 05"	12:43:11	399431	Syawal	1434
170	2013-09-06	18:23:58	18:54:10	0:30:12	276° 23' 22"	267° 58' 54"	-8° 24' 28"	6° 40' 33"	22:46:36	388175	Zulkaedah	1434
171	2013-10-05	18:10:34	18:20:57	0:10:24	265° 11' 05"	261° 13' 50"	-3° 57' 15"	1° 58' 48"	9:34:50	379631	Zulhijjah	1434
172	2013-11-04	18:01:56	18:47:21	0:45:25	254° 32' 12"	251° 20' 47"	-3° 11' 26"	9° 37' 38"	21:10:50	366705	Muharram	1435
173	2013-12-03	18:05:52	18:28:48	0:22:55	247° 50' 55"	249° 50' 27"	1° 59' 32"	4° 29' 54"	9:42:24	360411	Safar	1435
174	2014-01-02	18:19:33	19:15:15	0:55:42	247° 05' 14"	252° 12' 56"	5° 07' 42"	11° 56' 33"	23:04:16	355873	Rabiulawal	1435
175	2014-01-31	18:30:53	18:54:33	0:23:40	252° 39' 58"	258° 51' 55"	6° 11' 57"	4° 53' 46"	12:51:15	357540	Rabiulakhir	1435
176	2014-03-02	18:33:17	19:25:46	0:52:29	262° 53' 43"	270° 13' 01"	7° 19' 18"	11° 50' 28"	1d 2:32:32	364798	Jamadilawal	1435
177	2014-03-31	18:29:29	18:58:00	0:28:31	274° 18' 04"	277° 46' 11"	3° 28' 07"	6° 08' 05"	15:43:43	373070	Jamadilakhir	1435
178	2014-04-29	18:26:01	18:32:06	0:06:05	284° 37' 57"	283° 59' 26"	-0° 38' 31"	1° 00' 36"	4:10:36	382605	Rejab	1435
179	2014-05-29	18:29:18	18:59:10	0:29:53	291° 48' 21"	288° 26' 20"	-3° 22' 01"	6° 12' 38"	15:47:58	394324	Syaban	1435
180	2014-06-28	18:35:41	19:20:27	0:44:46	293° 26' 24"	286° 33' 47"	-6° 52' 37"	9° 42' 15"	1d 2:26:02	402556	Ramadan	1435
181	2014-07-27	18:37:20	18:47:56	0:10:36	289° 19' 37"	283° 00' 51"	-6° 18' 46"	2° 03' 32"	11:54:22	406151	Syawal	1435
182	2014-08-26	18:28:54	18:53:14	0:24:20	280° 27' 58"	273° 31' 54"	-6° 56' 04"	5° 19' 22"	20:14:57	404295	Zulkaedah	1435
183	2014-09-25	18:15:00	18:58:08	0:43:08	269° 09' 49"	262° 33' 08"	-6° 36' 40"	9° 42' 38"	1d 4:00:02	396483	Zulhijjah	1435
184	2014-10-24	18:03:38	18:25:08	0:21:29	258° 14' 03"	257° 08' 31"	-1° 05' 32"	4° 29' 06"	12:05:51	389225	Muharram	1436
185	2014-11-23	18:03:04	18:51:24	0:48:20	249° 38' 22"	250° 23' 15"	0° 44' 54"	10° 15' 43"	21:29:43	375852	Safar	1436
186	2014-12-22	18:13:34	18:32:14	0:18:40	246° 32' 42"	251° 03' 55"	4° 31' 13"	3° 37' 33"	8:36:36	367777	Rabiulawal	1436
187	2015-01-21	18:27:58	19:13:44	0:45:46	250° 04' 45"	256° 07' 29"	6° 02' 45"	9° 54' 31"	21:13:09	358651	Rabiulakhir	1436
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190	2015-04-19	18:27:00	19:01:30	0:34:29	281° 15' 30"	281° 14' 02"	-0° 01' 27"	7° 24' 06"	15:29:03	364397	Rejab	1436
191	2015-05-18	18:27:02	18:39:50	0:12:48	289° 40' 30"	286° 08' 22"	-3° 32' 07"	2° 24' 20"	6:12:44	372575	Syaban	1436
192	2015-06-17	18:33:02	19:13:06	0:40:03	293° 32' 24"	287° 44' 01"	-5° 48' 22"	8° 29' 38"	20:26:36	384843	Ramadan	1436
193	2015-07-16	18:37:46	18:46:42	0:08:56	291° 32' 22"	285° 54' 59"	-5° 37' 23"	1° 37' 48"	9:12:14	393898	Syawal	1436

No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
194	2015-08-15	18:33:28	18:59:04	0:25:36	284° 12' 41"	278° 04' 37"	-6° 08' 04"	5° 33' 40"	19:38:50	402378	Zulkaedah	1436
195	2015-09-14	18:20:29	19:02:08	0:41:40	273° 32' 11"	267° 49' 20"	-5° 42' 51"	9° 28' 03"	1d 3:37:55	405384	Zulhijjah	1436
196	2015-10-13	18:07:15	18:23:49	0:16:34	262° 19' 04"	262° 06' 44"	-0° 12' 19"	3° 27' 58"	10:00:15	404828	Muharram	1437
197	2015-11-12	18:01:20	18:34:25	0:33:04	252° 20' 49"	253° 43' 27"	1° 22' 38"	7° 04' 08"	16:13:01	397587	Safar	1437
198	2015-12-12	18:09:13	18:59:18	0:50:05	246° 55' 43"	250° 01' 41"	3° 05' 59"	10° 40' 24"	23:38:44	385969	Rabiulawal	1437
199	2016-01-10	18:23:02	18:37:56	0:14:54	247° 59' 01"	252° 36' 53"	4° 37' 51"	2° 51' 58"	8:51:25	377564	Rabiulakhir	1437
200	2016-02-09	18:32:47	19:12:15	0:39:28	255° 14' 24"	259° 41' 24"	4° 27' 00"	8° 36' 44"	19:52:46	365278	Jamadalawal	1437
201	2016-03-09	18:32:20	18:48:31	0:16:11	265° 48' 42"	267° 09' 19"	1° 20' 37"	3° 15' 44"	8:36:48	359774	Jamadalakhir	1437
202	2016-04-08	18:28:00	19:23:27	0:55:28	277° 32' 56"	278° 17' 01"	0° 44' 06"	12° 20' 02"	23:03:13	356251	Rejab	1437
203	2016-05-07	18:26:16	19:03:13	0:36:57	287° 07' 58"	284° 12' 31"	-2° 55' 27"	7° 49' 52"	14:55:33	358431	Syaban	1437
204	2016-06-05	18:30:56	18:45:27	0:14:31	292° 47' 14"	287° 49' 03"	-4° 58' 11"	2° 43' 20"	7:30:12	363991	Ramadan	1437
205	2016-07-05	18:37:05	19:23:37	0:46:32	292° 53' 34"	286° 31' 24"	-6° 22' 10"	9° 59' 00"	23:34:56	374764	Syawal	1437
206	2016-08-03	18:36:14	18:56:30	0:20:15	287° 28' 22"	282° 51' 39"	-4° 36' 43"	4° 10' 33"	13:50:27	384134	Zulkaedah	1437
207	2016-09-02	18:25:49	19:08:11	0:42:22	277° 46' 40"	272° 57' 05"	-4° 49' 35"	9° 35' 06"	1d 1:21:25	395399	Zulhijjah	1437
208	2016-10-01	18:11:57	18:29:45	0:17:49	266° 37' 33"	266° 48' 28"	0° 10' 55"	3° 47' 05"	9:59:12	402072	Muharram	1438
209	2016-10-31	18:01:59	18:34:27	0:32:29	255° 42' 26"	256° 57' 11"	1° 14' 46"	7° 04' 47"	16:22:24	405794	Safar	1438
210	2016-11-30	18:04:57	18:47:37	0:42:40	248° 15' 23"	250° 40' 13"	2° 24' 51"	9° 07' 22"	21:45:23	403335	Rabiulawal	1438
211	2016-12-29	18:17:49	18:20:47	0:02:58	246° 48' 14"	250° 55' 33"	4° 07' 19"	0° 21' 30"	3:23:23	399148	Rabiulakhir	1438
212	2017-01-28	18:29:59	18:46:18	0:16:19	251° 54' 53"	254° 33' 46"	2° 38' 53"	3° 14' 49"	10:21:46	387644	Jamadalawal	1438
213	2017-02-27	18:33:42	19:12:27	0:38:45	261° 51' 39"	263° 32' 03"	1° 40' 24"	8° 34' 45"	19:34:13	374264	Jamadalakhir	1438
214	2017-03-28	18:29:57	18:46:26	0:16:29	273° 14' 11"	271° 26' 25"	-1° 47' 46"	3° 21' 35"	7:31:41	366489	Rejab	1438
215	2017-04-27	18:26:04	19:21:18	0:55:14	284° 05' 16"	282° 17' 14"	-1° 48' 02"	12° 06' 38"	22:08:50	358005	Syaban	1438
216	2017-05-26	18:28:23	19:04:17	0:35:55	291° 21' 05"	287° 13' 09"	-4° 07' 56"	7° 27' 21"	14:42:47	356484	Ramadan	1438
217	2017-06-24	18:34:52	18:49:23	0:14:31	293° 34' 13"	289° 13' 54"	-4° 20' 19"	2° 40' 35"	8:03:00	358540	Syawal	1438
218	2017-07-24	18:37:26	19:29:49	0:52:23	289° 55' 39"	284° 39' 48"	-5° 15' 51"	11° 23' 17"	1d 0:50:42	365830	Zulkaedah	1438
219	2017-08-22	18:30:36	19:01:27	0:30:51	281° 45' 21"	279° 08' 42"	-2° 36' 39"	6° 40' 18"	15:59:16	374002	Zulhijjah	1438
220	2017-09-20	18:17:08	18:28:06	0:10:59	271° 00' 30"	272° 32' 42"	1° 32' 12"	2° 08' 59"	4:46:03	383273	Muharram	1439
221	2017-10-20	18:04:39	18:36:18	0:31:39	259° 33' 16"	260° 45' 09"	1° 11' 54"	6° 57' 03"	14:51:24	394792	Safar	1439
222	2017-11-19	18:01:55	18:46:40	0:44:45	250° 26' 58"	251° 46' 49"	1° 19' 52"	9° 39' 55"	22:18:39	402839	Rabiulawal	1439
223	2017-12-18	18:12:13	18:16:47	0:04:34	246° 35' 43"	250° 09' 57"	3° 34' 14"	0° 43' 02"	3:40:33	406391	Rabiulakhir	1439
224	2018-01-17	18:26:14	18:37:27	0:11:13	249° 17' 10"	250° 57' 24"	1° 40' 14"	2° 06' 35"	8:07:47	404381	Jamadalawal	1439
225	2018-02-16	18:33:39	18:56:56	0:23:17	257° 45' 36"	257° 45' 35"	-0° 00' 01"	4° 55' 39"	13:27:16	396344	Jamadalakhir	1439
226	2018-03-18	18:31:33	19:14:51	0:43:19	269° 11' 14"	268° 35' 20"	-0° 35' 55"	9° 45' 37"	21:18:46	384188	Rejab	1439
227	2018-04-16	18:26:45	18:46:40	0:19:55	280° 17' 11"	276° 47' 13"	-3° 29' 58"	4° 09' 23"	8:28:31	375724	Syaban	1439
228	2018-05-16	18:26:48	19:20:57	0:54:09	289° 17' 01"	286° 43' 24"	-2° 33' 37"	11° 37' 44"	22:37:58	363904	Ramadan	1439
229	2018-06-14	18:32:32	19:06:09	0:33:37	293° 26' 14"	290° 02' 56"	-3° 23' 18"	6° 49' 22"	14:48:08	358984	Syawal	1439
230	2018-07-13	18:37:43	18:52:00	0:14:18	291° 57' 57"	289° 53' 20"	-2° 04' 36"	2° 36' 45"	7:48:42	357125	Zulkaedah	1439

No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
231	2018-08-12	18:34:02	19:30:26	0:56:24	285° 02' 46"	281° 31' 27"	-3° 31' 18"	12° 27' 48"	1d 0:35:14	359321	Zulhijjah	1439
232	2018-09-10	18:22:02	19:00:19	0:38:16	274° 57' 33"	274° 11' 09"	-0° 46' 24"	8° 28' 24"	16:19:26	364893	Muharram	1440
233	2018-10-09	18:08:26	18:26:37	0:18:10	263° 43' 26"	266° 28' 19"	2° 44' 52"	3° 46' 45"	6:20:23	372915	Safar	1440
234	2018-11-08	18:01:34	18:41:01	0:39:27	253° 24' 12"	254° 15' 54"	0° 51' 43"	8° 30' 58"	17:58:22	385220	Rabiulawal	1440
235	2018-12-07	18:06:50	18:11:20	0:04:30	247° 21' 54"	250° 24' 41"	3° 02' 47"	0° 40' 50"	2:45:13	394415	Rabiulakhir	1440
236	2019-01-06	18:21:15	18:34:53	0:13:38	247° 29' 03"	248° 14' 25"	0° 45' 22"	2° 34' 37"	8:51:45	403025	Jamadalawal	1440
237	2019-02-05	18:32:16	18:55:16	0:23:00	254° 04' 31"	253° 09' 25"	-0° 55' 06"	4° 46' 46"	13:27:33	405996	Jamadalakhir	1440
238	2019-03-07	18:32:36	19:07:43	0:35:07	264° 44' 32"	263° 08' 14"	-1° 36' 18"	7° 49' 59"	18:27:28	402550	Rejab	1440
239	2019-04-05	18:28:46	18:33:42	0:04:56	276° 08' 47"	271° 38' 54"	-4° 29' 53"	0° 50' 17"	1:37:09	397767	Syaban	1440
240	2019-05-05	18:26:29	18:50:11	0:23:42	286° 22' 35"	283° 18' 26"	-3° 04' 09"	4° 57' 14"	11:39:58	385868	Ramadan	1440
241	2019-06-04	18:30:20	19:24:48	0:54:29	292° 35' 26"	290° 57' 44"	-1° 37' 42"	11° 25' 15"	1d 0:27:18	372597	Syawal	1440
242	2019-07-03	18:36:40	19:10:18	0:33:37	293° 08' 12"	291° 45' 13"	-1° 22' 59"	6° 45' 56"	15:19:22	365112	Zulkaedah	1440
243	2019-08-01	18:36:48	18:53:31	0:16:43	288° 10' 49"	288° 46' 58"	0° 36' 09"	3° 10' 26"	7:23:55	359671	Zulhijjah	1440
244	2019-08-31	18:27:14	19:24:55	0:57:41	278° 46' 32"	276° 28' 58"	-2° 17' 34"	12° 57' 54"	23:49:06	356293	Muharram	1441
245	2019-09-29	18:13:23	18:53:01	0:39:38	267° 41' 34"	267° 42' 49"	0° 01' 15"	8° 47' 57"	15:45:55	358468	Safar	1441
246	2019-10-28	18:02:36	18:20:28	0:17:52	256° 56' 13"	259° 29' 31"	2° 33' 18"	3° 36' 59"	6:23:00	364044	Rabiulawal	1441
247	2019-11-27	18:03:36	18:45:29	0:41:53	248° 53' 24"	248° 12' 09"	-0° 41' 16"	8° 40' 59"	18:56:48	375096	Rabiulakhir	1441
248	2019-12-26	18:15:41	18:22:45	0:07:04	246° 37' 07"	246° 37' 04"	-0° 00' 02"	1° 08' 27"	5:01:18	384911	Jamadalawal	1441

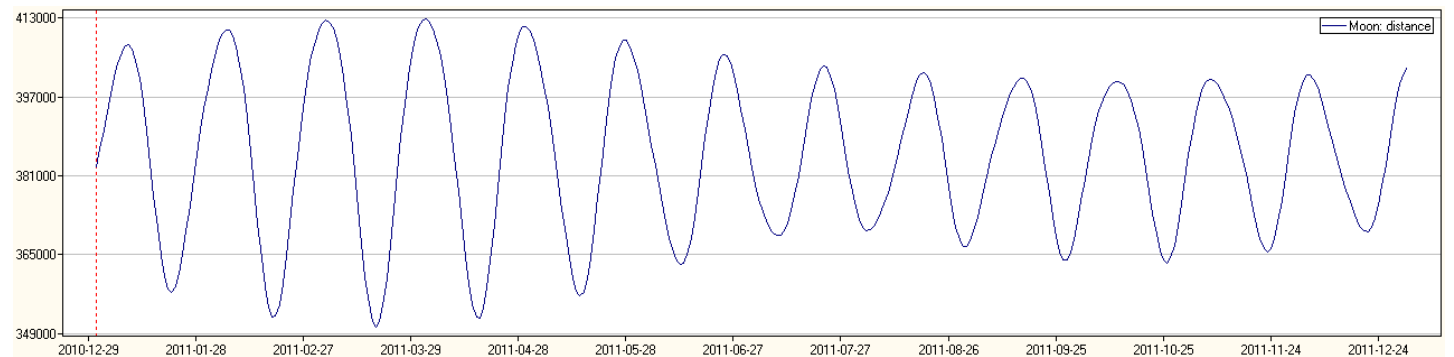
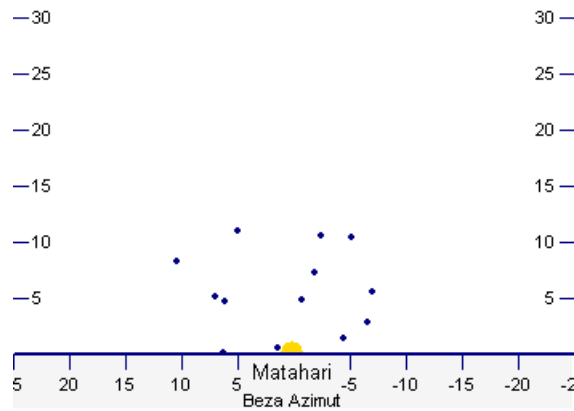
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2010-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



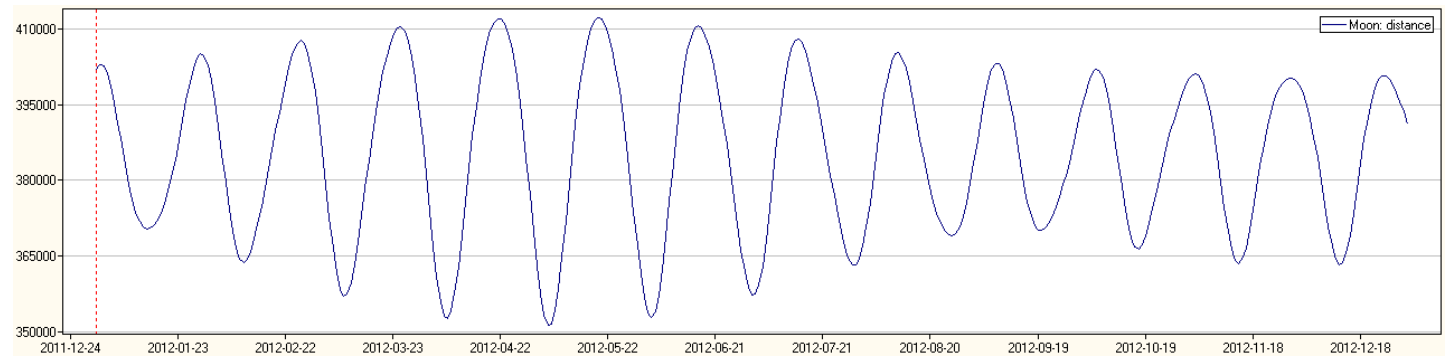
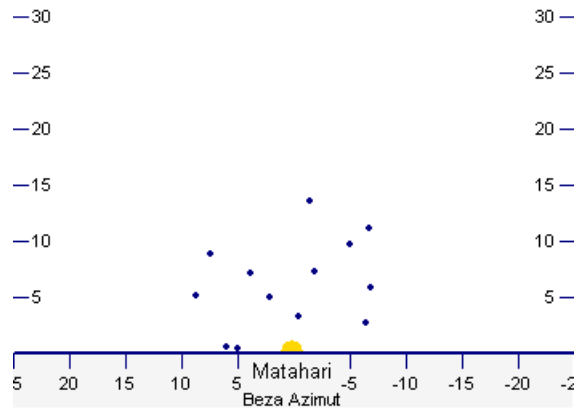
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2011-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



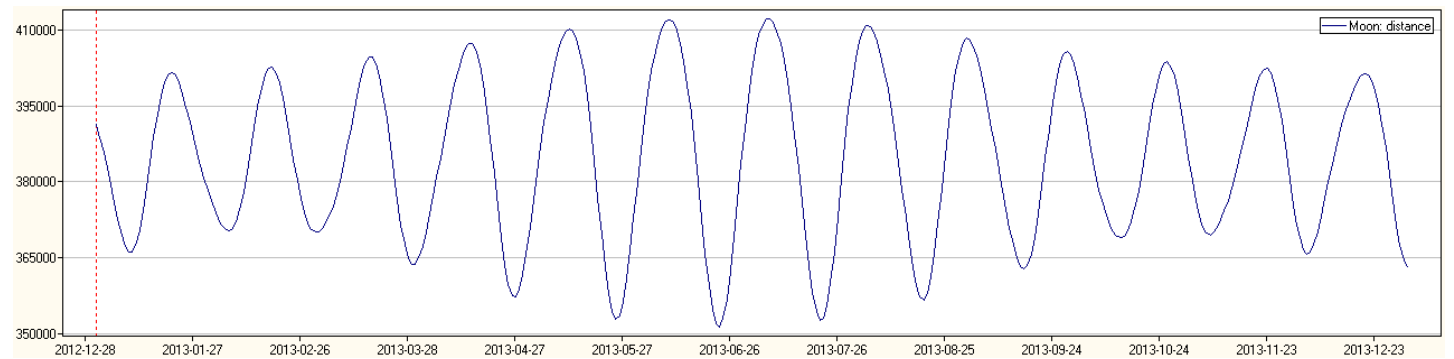
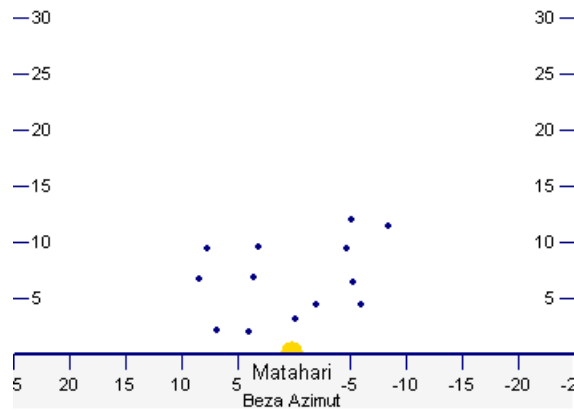
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2012-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



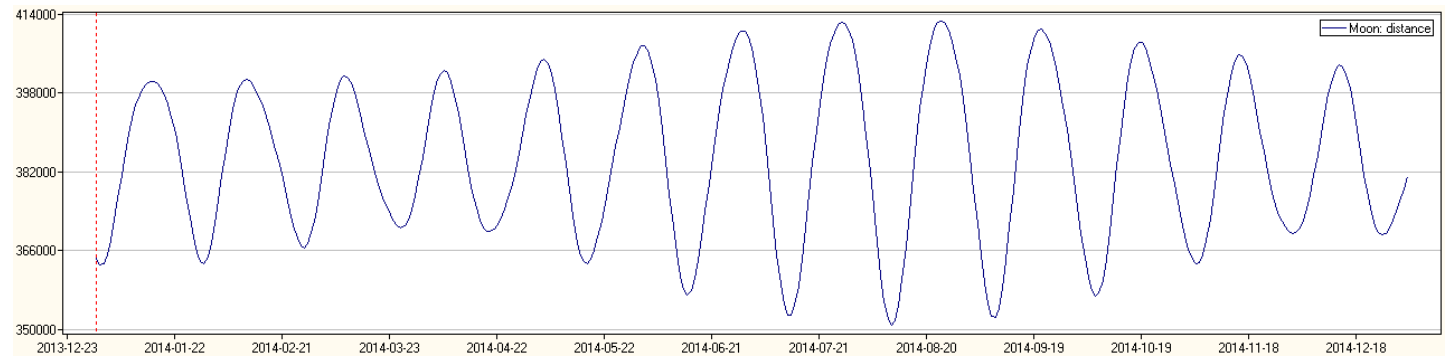
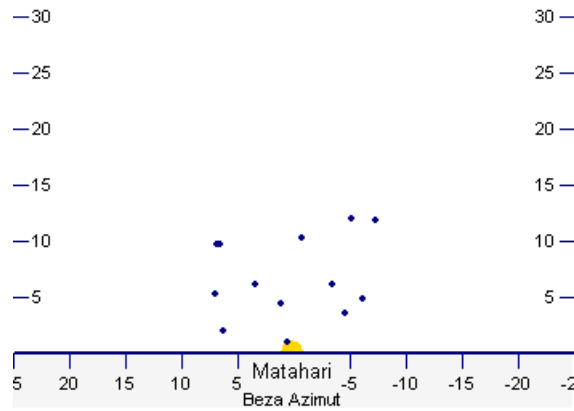
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2013-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



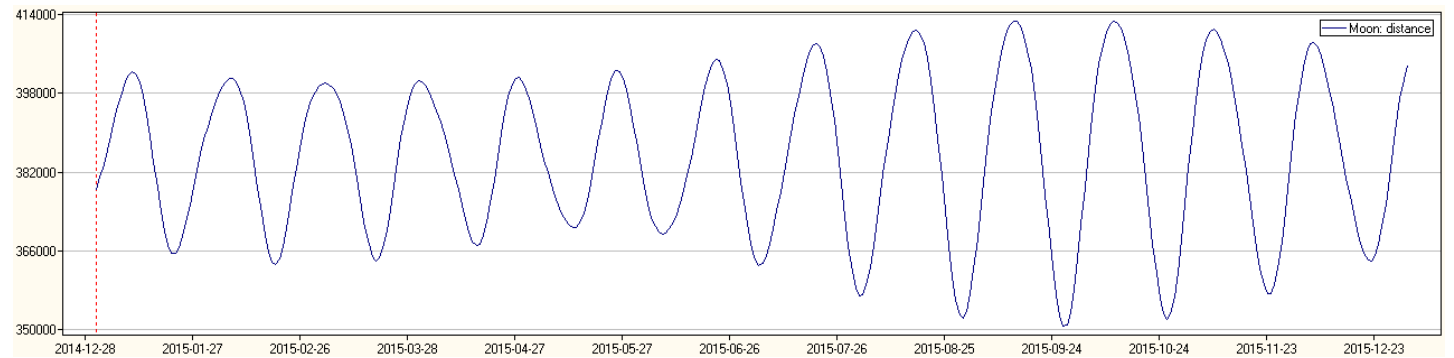
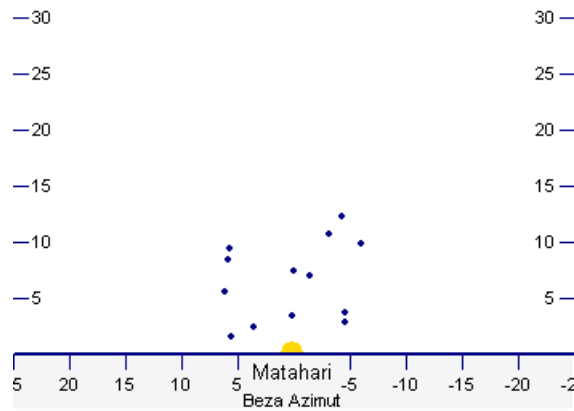
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2014-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



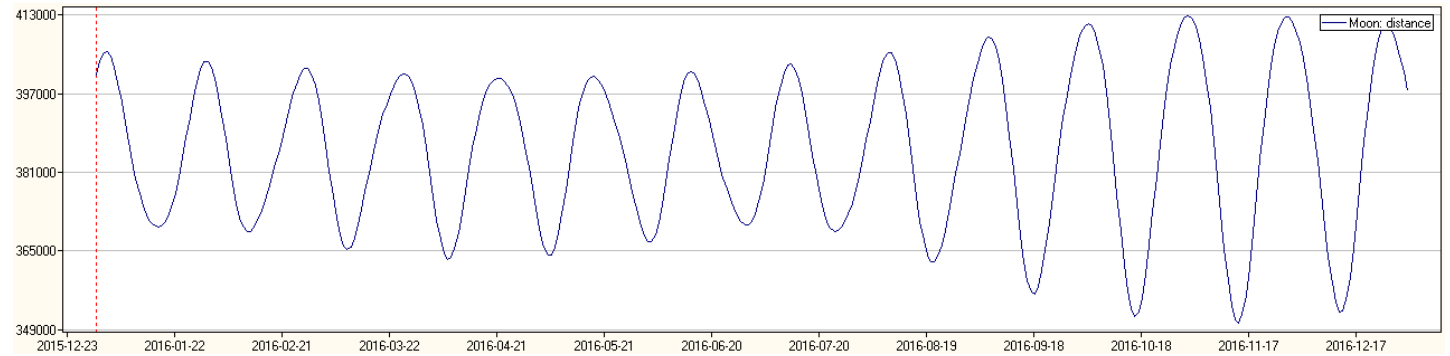
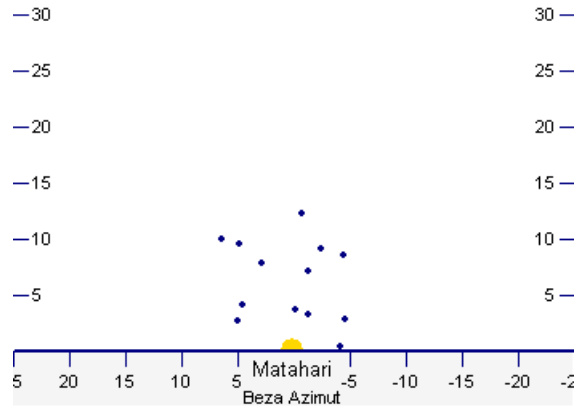
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2015-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



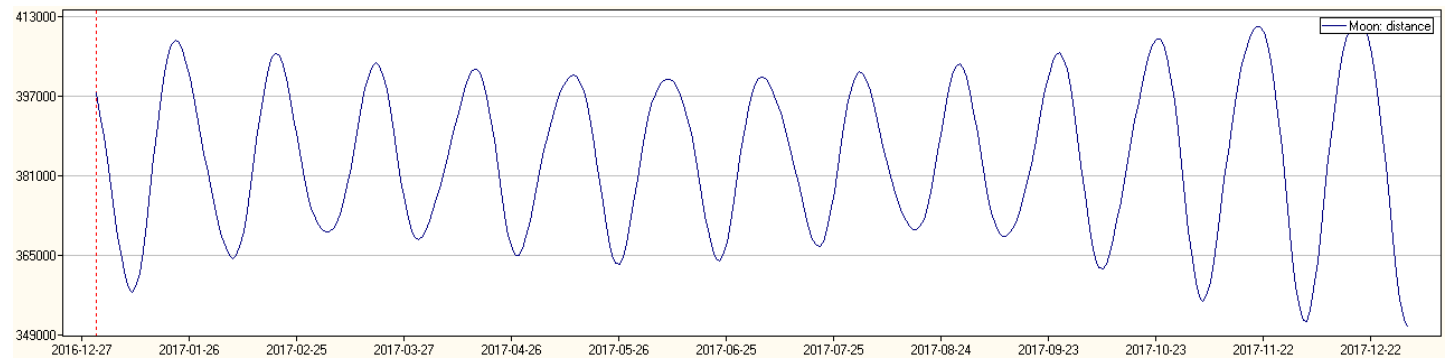
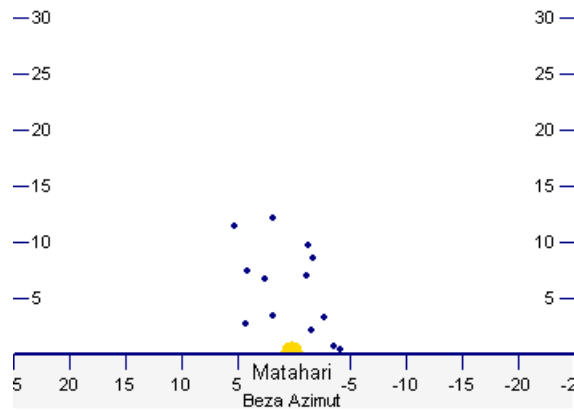
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2016-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



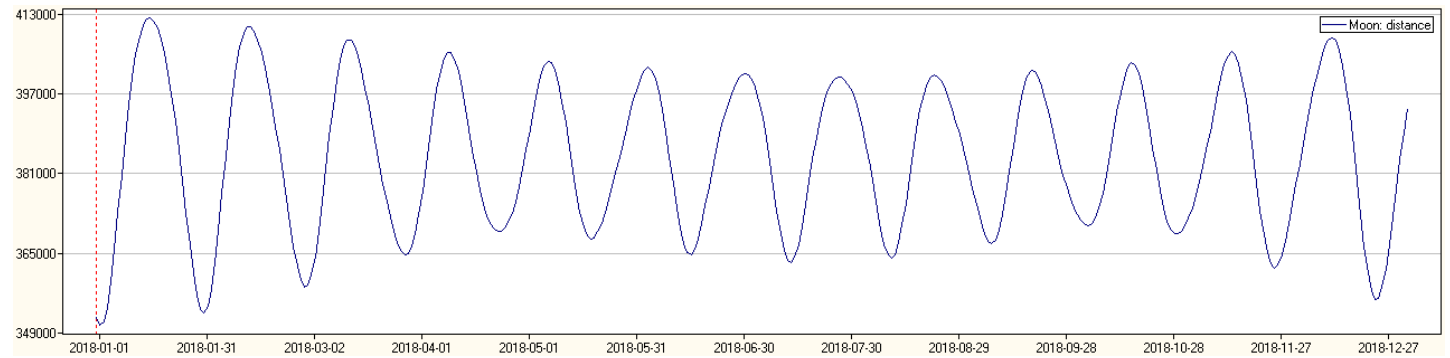
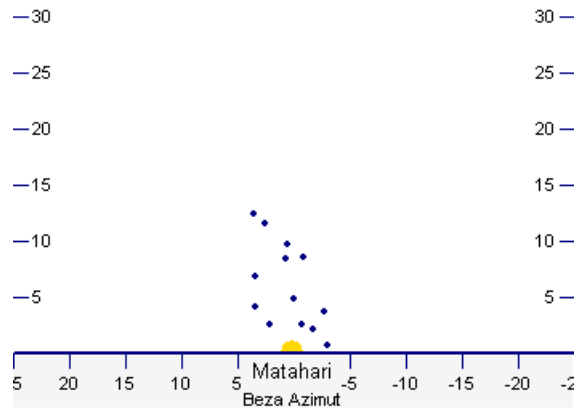
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2017-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



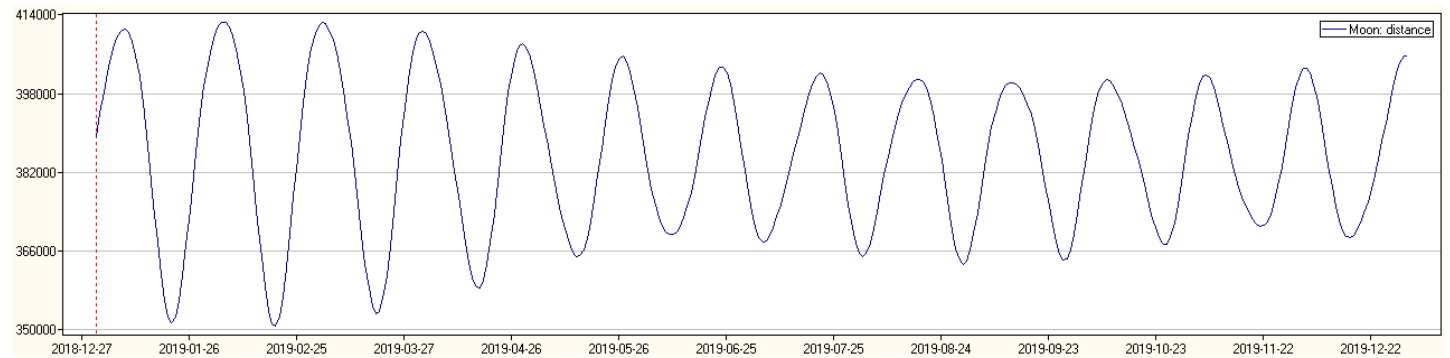
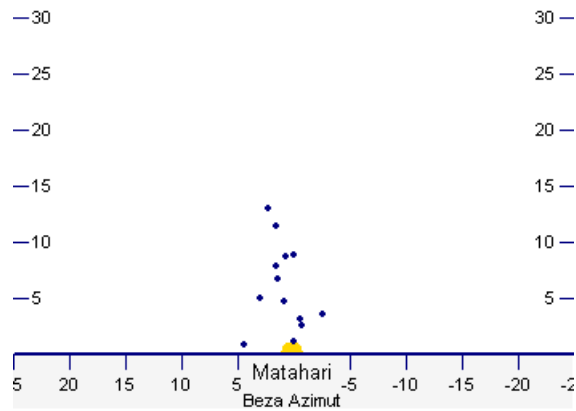
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2018-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2019-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



Jadual Kenampakan Pertama Anak Bulan

2020 – 2029

No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
249	2020-01-25	18:28:57	18:53:11	0:24:13	250° 57' 34"	249° 06' 31"	-1° 51' 02"	4° 53' 23"	12:45:46	396387	Jamadalakhir	1441
250	2020-02-24	18:33:34	19:10:03	0:36:29	260° 27' 36"	258° 26' 35"	-2° 01' 02"	8° 02' 59"	19:00:27	403786	Rejab	1441
251	2020-03-24	18:30:20	18:34:35	0:04:15	271° 46' 00"	267° 11' 10"	-4° 34' 50"	0° 42' 41"	1:01:05	406596	Syaban	1441
252	2020-04-23	18:26:25	18:41:20	0:14:55	282° 52' 57"	279° 52' 01"	-3° 00' 56"	3° 03' 25"	7:59:34	403626	Ramadan	1441
253	2020-05-23	18:27:58	18:59:35	0:31:37	290° 51' 53"	289° 59' 41"	-0° 52' 12"	6° 32' 01"	16:48:04	394840	Syawal	1441
254	2020-06-21	18:34:31	18:38:49	0:04:18	293° 36' 46"	293° 43' 01"	0° 06' 14"	0° 35' 51"	3:52:02	387285	Zulkaedah	1441
255	2020-07-21	18:37:39	19:16:29	0:38:50	290° 29' 26"	290° 54' 47"	0° 25' 21"	8° 00' 13"	17:03:41	373677	Zulhijjah	1441
256	2020-08-19	18:31:47	18:52:47	0:21:01	282° 40' 18"	284° 55' 06"	2° 14' 48"	4° 14' 47"	7:49:07	365884	Muharram	1442
257	2020-09-18	18:18:18	19:13:49	0:55:31	271° 41' 18"	269° 25' 32"	-2° 15' 46"	12° 34' 43"	23:17:08	357676	Safar	1442
258	2020-10-17	18:05:20	18:41:15	0:35:55	260° 32' 23"	260° 05' 48"	-0° 26' 35"	7° 47' 33"	14:33:17	356196	Rabiulawal	1442
259	2020-11-15	18:01:38	18:12:17	0:10:39	251° 21' 16"	252° 23' 08"	1° 01' 52"	1° 53' 14"	4:53:17	358443	Rabiulakhir	1442
260	2020-12-15	18:10:46	18:51:27	0:40:40	246° 41' 24"	244° 02' 54"	-2° 38' 31"	8° 04' 23"	17:53:01	366038	Jamadalawal	1442
261	2021-01-13	18:25:02	18:34:39	0:09:38	248° 35' 43"	245° 44' 16"	-2° 51' 27"	1° 37' 05"	5:23:43	374804	Jamadalakhir	1442
262	2021-02-12	18:33:20	19:06:25	0:33:04	256° 28' 59"	253° 41' 51"	-2° 47' 07"	7° 01' 46"	15:26:29	387224	Rejab	1442
263	2021-03-13	18:31:53	18:34:48	0:02:55	267° 18' 22"	262° 38' 31"	-4° 39' 51"	0° 22' 51"	0:09:36	396104	Syaban	1442
264	2021-04-12	18:27:32	18:42:04	0:14:32	278° 57' 07"	276° 30' 01"	-2° 27' 06"	3° 00' 04"	7:55:36	403838	Ramadan	1442
265	2021-05-12	18:26:53	18:53:00	0:26:07	288° 23' 57"	288° 28' 34"	0° 04' 38"	5° 24' 47"	15:25:54	405790	Syawal	1442
266	2021-06-11	18:32:17	19:17:29	0:45:12	293° 17' 29"	294° 51' 51"	1° 34' 22"	9° 12' 34"	23:38:29	401339	Zulkaedah	1442
267	2021-07-10	18:37:33	18:56:16	0:18:43	292° 20' 45"	294° 43' 17"	2° 22' 32"	3° 33' 03"	9:19:50	395923	Zulhijjah	1442
268	2021-08-09	18:34:36	19:20:44	0:46:08	285° 51' 11"	286° 20' 43"	0° 29' 32"	9° 58' 19"	20:43:21	383490	Muharram	1443
269	2021-09-07	18:23:52	18:47:40	0:23:48	276° 00' 06"	277° 55' 26"	1° 55' 20"	5° 03' 55"	9:30:59	374945	Safar	1443
270	2021-10-07	18:09:26	18:59:34	0:50:08	264° 23' 20"	260° 55' 52"	-3° 27' 28"	11° 11' 51"	23:02:59	363337	Rabiulawal	1443
271	2021-11-05	18:01:32	18:29:05	0:27:33	254° 12' 30"	252° 17' 17"	-1° 55' 12"	5° 37' 42"	12:45:48	358427	Rabiulakhir	1443
272	2021-12-05	18:06:19	19:11:14	1:04:55	247° 34' 15"	241° 47' 52"	-5° 46' 23"	12° 58' 40"	1d 2:22:08	356332	Jamadalawal	1443
273	2022-01-03	18:20:11	18:58:38	0:38:27	247° 11' 17"	243° 12' 48"	-3° 58' 29"	7° 29' 58"	15:45:32	359243	Jamadalakhir	1443
274	2022-02-01	18:31:01	18:42:51	0:11:50	252° 57' 38"	248° 41' 59"	-4° 15' 40"	2° 05' 53"	4:43:50	365548	Rejab	1443
275	2022-03-03	18:33:08	19:10:47	0:37:38	263° 17' 55"	261° 43' 20"	-1° 34' 35"	8° 18' 26"	16:57:14	376949	Syaban	1443
276	2022-04-01	18:29:00	18:37:12	0:08:12	274° 42' 21"	272° 13' 30"	-2° 28' 51"	1° 31' 53"	4:03:33	386700	Ramadan	1443
277	2022-05-01	18:26:14	18:50:03	0:23:49	285° 16' 26"	286° 18' 08"	1° 01' 42"	4° 56' 32"	13:57:06	397689	Syawal	1443
278	2022-05-31	18:29:31	19:12:29	0:42:58	292° 06' 36"	295° 07' 23"	3° 00' 47"	8° 43' 16"	22:58:13	404204	Zulkaedah	1443
279	2022-06-29	18:36:07	18:50:07	0:14:00	293° 23' 36"	296° 41' 58"	3° 18' 22"	2° 32' 16"	7:42:53	406267	Zulhijjah	1443
280	2022-07-29	18:36:48	19:12:08	0:35:20	288° 50' 26"	290° 56' 28"	2° 06' 02"	7° 21' 18"	16:40:48	402253	Muharram	1444

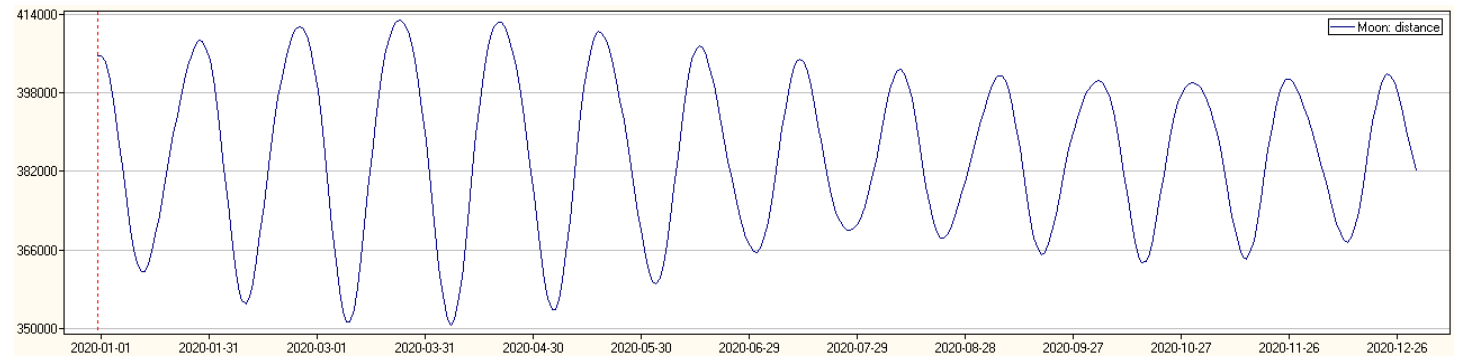
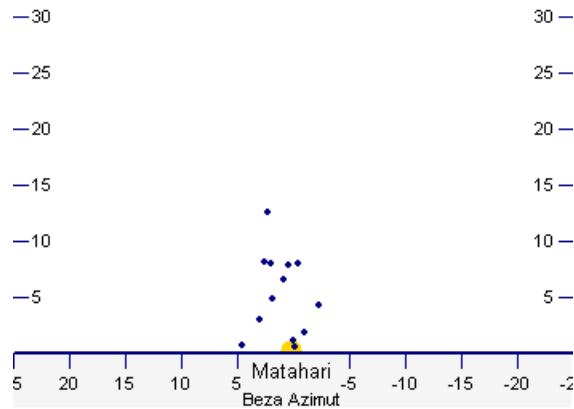
No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
281	2022-08-27	18:28:31	18:37:24	0:08:53	280° 05' 46"	283° 52' 50"	3° 47' 04"	1° 39' 24"	2:10:23	397107	Safar	1444
282	2022-09-26	18:14:14	18:38:32	0:24:18	268° 44' 40"	268° 22' 31"	-0° 22' 10"	5° 16' 49"	12:18:39	385057	Rabiulawal	1444
283	2022-10-26	18:03:23	18:47:38	0:44:15	257° 31' 40"	252° 03' 51"	-5° 27' 49"	9° 27' 55"	23:13:38	371930	Rabiulakhir	1444
284	2022-11-24	18:03:03	18:22:58	0:19:55	249° 24' 58"	245° 30' 11"	-3° 54' 47"	3° 43' 39"	11:04:45	364416	Jamadirawal	1444
285	2022-12-24	18:14:51	19:15:38	1:00:47	246° 34' 17"	240° 52' 25"	-5° 41' 52"	11° 58' 38"	23:56:52	356915	Jamadirakhir	1444
286	2023-01-22	18:28:25	19:03:16	0:34:51	250° 18' 59"	246° 27' 51"	-3° 51' 08"	6° 56' 03"	13:34:03	356085	Rejab	1444
287	2023-02-20	18:33:46	18:42:57	0:09:12	259° 05' 58"	255° 21' 01"	-3° 44' 57"	1° 36' 27"	3:26:50	359134	Syaban	1444
288	2023-03-22	18:30:49	19:07:03	0:36:14	270° 41' 13"	271° 47' 02"	1° 05' 49"	8° 01' 09"	17:06:34	367611	Ramadan	1444
289	2023-04-20	18:26:27	18:36:03	0:09:35	281° 37' 01"	282° 26' 25"	0° 49' 23"	1° 45' 49"	6:12:49	376718	Syawal	1444
290	2023-05-20	18:27:17	19:03:13	0:35:56	290° 07' 22"	294° 13' 27"	4° 06' 05"	7° 13' 09"	18:32:56	389094	Zulkaedah	1444
291	2023-06-18	18:33:40	18:43:40	0:10:01	293° 34' 46"	297° 37' 12"	4° 02' 27"	1° 41' 36"	5:55:26	397463	Zulhijjah	1444
292	2023-07-18	18:37:37	19:11:38	0:34:01	291° 11' 08"	293° 56' 20"	2° 45' 11"	6° 53' 42"	16:04:43	404206	Muharram	1445
293	2023-08-16	18:32:50	18:38:19	0:05:30	283° 52' 13"	287° 48' 00"	3° 55' 47"	0° 55' 27"	0:53:34	406526	Safar	1445
294	2023-09-15	18:19:45	18:35:05	0:15:20	273° 07' 21"	273° 27' 37"	0° 20' 16"	3° 12' 53"	8:38:47	403197	Rabiulawal	1445
295	2023-10-15	18:06:20	18:30:23	0:24:03	261° 32' 38"	257° 40' 34"	-3° 52' 04"	5° 07' 23"	16:09:59	394340	Rabiulakhir	1445
296	2023-11-14	18:01:36	18:45:24	0:43:48	251° 47' 54"	244° 20' 15"	-7° 27' 39"	8° 51' 41"	1d 0:33:05	381828	Jamadirawal	1445
297	2023-12-13	18:09:10	18:28:06	0:18:56	246° 50' 19"	241° 27' 14"	-5° 23' 05"	3° 23' 51"	10:36:02	373151	Jamadirakhir	1445
298	2024-01-12	18:23:47	19:20:09	0:56:23	248° 17' 39"	244° 16' 55"	-4° 00' 44"	11° 27' 21"	22:25:16	361754	Rejab	1445
299	2024-02-10	18:33:02	19:01:07	0:28:05	255° 34' 51"	253° 26' 57"	-2° 07' 54"	5° 46' 21"	11:32:47	357526	Syaban	1445
300	2024-03-10	18:32:40	18:34:47	0:02:07	266° 14' 14"	264° 27' 29"	-1° 46' 45"	0° 02' 36"	1:31:08	356901	Ramadan	1445
301	2024-04-09	18:27:41	19:00:01	0:32:20	277° 56' 33"	281° 55' 36"	3° 59' 03"	6° 53' 08"	16:05:40	360658	Syawal	1445
302	2024-05-08	18:26:25	18:36:47	0:10:21	287° 25' 37"	291° 14' 38"	3° 49' 01"	1° 47' 34"	7:03:21	367515	Zulkaedah	1445
303	2024-06-07	18:31:19	19:21:27	0:50:07	292° 59' 37"	297° 55' 33"	4° 55' 55"	9° 52' 07"	21:52:30	379045	Zulhijjah	1445
304	2024-07-06	18:37:15	19:03:42	0:26:26	292° 47' 13"	296° 24' 09"	3° 36' 56"	5° 04' 59"	11:38:45	388301	Muharram	1446
305	2024-08-05	18:35:54	19:21:13	0:45:19	286° 54' 59"	286° 01' 17"	-0° 53' 42"	9° 52' 41"	23:21:45	398540	Safar	1446
306	2024-09-03	18:25:06	18:39:07	0:14:01	277° 22' 45"	277° 17' 45"	-0° 05' 01"	2° 53' 15"	8:28:24	404124	Rabiulawal	1446
307	2024-10-03	18:11:13	18:30:10	0:18:57	265° 49' 39"	261° 41' 08"	-4° 08' 31"	4° 02' 03"	15:20:42	405923	Rabiulakhir	1446
308	2024-11-02	18:02:06	18:30:57	0:28:50	255° 03' 20"	247° 51' 59"	-7° 11' 21"	5° 53' 43"	21:13:38	401443	Jamadirawal	1446
309	2024-12-02	18:05:22	18:57:11	0:51:49	247° 56' 10"	239° 56' 08"	-8° 00' 01"	10° 10' 39"	1d 3:42:41	391458	Jamadirakhir	1446
310	2024-12-31	18:18:47	18:42:00	0:23:14	246° 56' 38"	242° 02' 05"	-4° 54' 33"	4° 20' 17"	11:50:48	383245	Rejab	1446
311	2025-01-30	18:30:54	19:19:58	0:49:03	252° 28' 48"	251° 45' 51"	-0° 42' 58"	10° 30' 15"	21:53:47	370028	Syaban	1446
312	2025-02-28	18:33:34	18:52:45	0:19:12	262° 15' 36"	262° 53' 43"	0° 38' 06"	3° 57' 14"	9:47:41	363156	Ramadan	1446
313	2025-03-30	18:29:36	19:17:51	0:48:15	274° 02' 32"	280° 41' 28"	6° 38' 56"	10° 35' 37"	23:30:44	356961	Syawal	1446
314	2025-04-28	18:26:08	18:56:00	0:29:52	284° 25' 43"	290° 24' 35"	5° 58' 51"	5° 59' 04"	14:53:50	356981	Zulkaedah	1446
315	2025-05-27	18:29:01	18:42:48	0:13:47	291° 32' 39"	296° 44' 42"	5° 12' 03"	2° 21' 22"	7:25:32	360432	Zulhijjah	1446
316	2025-06-26	18:35:23	19:35:54	1:00:31	293° 30' 51"	296° 10' 00"	2° 39' 09"	12° 13' 01"	1d 0:02:42	369212	Muharram	1447
317	2025-07-25	18:37:38	19:11:46	0:34:08	289° 42' 13"	290° 05' 33"	0° 23' 19"	7° 02' 54"	15:25:22	378110	Safar	1447

No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
318	2025-08-23	18:29:58	18:36:58	0:07:00	281° 23' 10"	281° 42' 00"	0° 18' 50"	1° 14' 28"	4:22:21	387609	Rabiulawal	1447
319	2025-09-22	18:16:03	18:33:28	0:17:25	270° 11' 52"	265° 31' 38"	-4° 40' 14"	3° 41' 17"	14:20:53	398457	Rabiulakhir	1447
320	2025-10-22	18:04:26	18:30:46	0:26:20	258° 49' 25"	250° 54' 06"	-7° 55' 19"	5° 28' 28"	21:38:09	404905	Jamadilawal	1447
321	2025-11-21	18:02:30	18:45:44	0:43:14	249° 59' 13"	241° 26' 01"	-8° 33' 12"	8° 35' 03"	1d 3:14:01	405161	Jamadilakhir	1447
322	2025-12-20	18:12:42	18:24:25	0:11:43	246° 32' 43"	241° 30' 10"	-5° 02' 33"	2° 01' 56"	8:28:06	402561	Rejab	1447
323	2026-01-19	18:26:56	18:55:17	0:28:21	249° 42' 18"	247° 44' 53"	-1° 57' 25"	5° 44' 12"	14:33:41	392767	Syaban	1447
324	2026-02-18	18:33:14	19:15:28	0:42:14	258° 28' 24"	261° 49' 41"	3° 21' 16"	9° 24' 37"	22:30:52	379939	Ramadan	1447
325	2026-03-19	18:31:16	18:43:36	0:12:20	269° 36' 23"	273° 16' 34"	3° 40' 11"	2° 25' 22"	9:06:37	371678	Syawal	1447
326	2026-04-18	18:26:34	19:12:09	0:45:35	281° 01' 01"	289° 03' 20"	8° 02' 19"	9° 33' 06"	22:33:38	361114	Zulkaedah	1447
327	2026-05-17	18:26:54	18:58:45	0:31:51	289° 31' 43"	295° 42' 53"	6° 11' 09"	6° 07' 18"	14:24:44	357376	Zulhijjah	1447
328	2026-06-15	18:33:12	18:51:00	0:17:48	293° 29' 49"	297° 44' 23"	4° 14' 33"	3° 07' 30"	7:37:55	357034	Muharram	1448
329	2026-07-15	18:37:40	19:37:36	0:59:56	291° 38' 44"	289° 46' 26"	-1° 52' 18"	12° 43' 42"	1d 0:52:56	361616	Safar	1448
330	2026-08-13	18:33:43	19:05:52	0:32:09	284° 43' 09"	280° 50' 46"	-3° 52' 22"	6° 56' 00"	16:55:54	368728	Rabiulawal	1448
331	2026-09-11	18:21:45	18:27:09	0:05:24	274° 33' 12"	271° 03' 01"	-3° 30' 12"	0° 53' 52"	6:53:40	377692	Rabiulakhir	1448
332	2026-10-11	18:07:41	18:29:27	0:21:46	262° 56' 11"	254° 52' 16"	-8° 03' 55"	4° 30' 59"	18:16:30	390039	Jamadilawal	1448
333	2026-11-10	18:01:32	18:42:58	0:41:26	252° 48' 32"	243° 29' 43"	-9° 18' 49"	8° 21' 19"	1d 2:58:20	399905	Jamadilakhir	1448
334	2026-12-09	18:07:59	18:18:49	0:10:50	247° 09' 13"	242° 02' 34"	-5° 06' 39"	1° 52' 30"	9:14:59	404989	Rejab	1448
335	2027-01-08	18:22:24	18:46:40	0:24:16	247° 44' 54"	245° 41' 40"	-2° 03' 14"	4° 47' 51"	13:56:46	405669	Syaban	1448
336	2027-02-07	18:32:09	19:02:47	0:30:39	254° 42' 05"	257° 13' 48"	2° 31' 43"	6° 38' 38"	18:34:51	400220	Ramadan	1448
337	2027-03-09	18:32:38	19:11:51	0:39:13	265° 33' 20"	272° 38' 44"	7° 05' 25"	8° 48' 52"	1d 1:01:56	389823	Syawal	1448
338	2027-04-07	18:27:59	18:40:18	0:12:19	276° 55' 13"	282° 55' 04"	5° 59' 51"	2° 22' 33"	10:35:37	381671	Zulkaedah	1448
339	2027-05-07	18:26:34	19:15:35	0:49:01	286° 57' 40"	294° 21' 01"	7° 23' 21"	9° 55' 19"	23:26:51	368697	Zulhijjah	1448
340	2027-06-05	18:30:28	19:05:41	0:35:13	292° 42' 40"	296° 46' 44"	4° 04' 04"	6° 46' 51"	14:49:01	362018	Muharram	1449
341	2027-07-04	18:36:56	18:54:08	0:17:12	293° 02' 58"	294° 22' 07"	1° 19' 09"	3° 07' 23"	7:33:44	358080	Safar	1449
342	2027-08-03	18:36:15	19:27:17	0:51:02	287° 38' 32"	281° 05' 08"	-6° 33' 23"	11° 15' 33"	1d 0:30:01	357414	Rabiulawal	1449
343	2027-09-01	18:26:27	18:52:15	0:25:48	278° 22' 43"	271° 05' 05"	-7° 17' 38"	5° 32' 54"	16:44:13	361387	Rabiulakhir	1449
344	2027-09-30	18:12:59	18:15:32	0:02:33	267° 16' 28"	261° 19' 09"	-5° 57' 19"	0° 11' 41"	7:35:43	368192	Jamadilawal	1449
345	2027-10-30	18:02:15	18:32:56	0:30:41	256° 14' 46"	247° 18' 21"	-8° 56' 25"	6° 11' 27"	20:24:34	379827	Jamadilakhir	1449
346	2027-11-28	18:03:44	18:09:12	0:05:28	248° 41' 32"	243° 49' 45"	-4° 51' 47"	0° 48' 35"	6:38:14	389179	Rejab	1449
347	2027-12-28	18:16:41	18:41:53	0:25:12	246° 42' 07"	244° 41' 36"	-2° 00' 31"	4° 55' 56"	14:03:09	399419	Syaban	1449
348	2028-01-27	18:29:56	19:01:18	0:31:22	251° 29' 07"	254° 10' 37"	2° 41' 30"	6° 43' 31"	19:16:14	405103	Ramadan	1449
349	2028-02-26	18:33:37	19:07:23	0:33:47	261° 13' 51"	268° 01' 32"	6° 47' 40"	7° 34' 51"	23:54:59	404705	Syawal	1449
350	2028-03-27	18:29:49	19:15:01	0:45:12	272° 58' 24"	282° 13' 56"	9° 15' 32"	10° 00' 20"	1d 5:57:11	398084	Zulkaedah	1449
351	2028-04-25	18:26:06	18:47:16	0:21:09	283° 33' 23"	289° 59' 12"	6° 25' 50"	4° 12' 55"	14:37:59	391409	Zulhijjah	1449
352	2028-05-25	18:28:30	19:25:31	0:57:01	291° 14' 40"	295° 28' 34"	4° 13' 54"	11° 34' 26"	1d 2:11:02	378174	Muharram	1450
353	2028-06-23	18:34:44	19:10:46	0:36:02	293° 35' 04"	293° 37' 32"	0° 02' 28"	7° 12' 26"	16:05:59	369872	Safar	1450
354	2028-07-22	18:37:51	18:49:54	0:12:03	290° 16' 47"	287° 57' 39"	-2° 19' 09"	2° 11' 44"	7:35:05	363116	Rabiulawal	1450

No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
355	2028-08-21	18:31:05	19:12:02	0:40:57	281° 58' 53"	272° 10' 54"	-9° 47' 58"	9° 06' 37"	23:46:15	357093	Rabiulakhir	1450
356	2028-09-19	18:17:46	18:38:26	0:20:40	271° 16' 10"	262° 25' 53"	-8° 50' 18"	4° 16' 44"	15:52:56	357220	Jamadilawal	1450
357	2028-10-18	18:05:21	18:07:53	0:02:32	260° 09' 19"	253° 54' 51"	-6° 14' 28"	0° 08' 33"	7:07:25	360754	Jamadilakhir	1450
358	2028-11-17	18:01:47	18:42:54	0:41:06	250° 50' 28"	244° 06' 00"	-6° 44' 28"	8° 11' 26"	20:42:39	369752	Rejab	1450
359	2028-12-16	18:11:06	18:25:06	0:14:00	246° 38' 28"	244° 46' 41"	-1° 51' 47"	2° 30' 23"	8:03:38	378921	Syaban	1450
360	2029-01-15	18:25:43	18:56:39	0:30:56	248° 57' 59"	251° 35' 18"	2° 37' 18"	6° 28' 24"	17:00:03	391302	Ramadan	1450
361	2029-02-14	18:33:18	19:09:21	0:36:03	257° 10' 50"	264° 08' 28"	6° 57' 38"	8° 04' 10"	1d 0:00:36	401005	Syawal	1450
362	2029-03-16	18:31:38	19:14:47	0:43:10	268° 31' 32"	277° 44' 44"	9° 13' 12"	9° 42' 46"	1d 6:11:08	405345	Zulkaedah	1450
363	2029-04-14	18:27:04	18:41:12	0:14:08	279° 41' 48"	285° 45' 59"	6° 04' 11"	2° 48' 08"	12:45:38	405611	Zulhijjah	1450
364	2029-05-14	18:26:42	19:03:34	0:36:52	288° 53' 46"	293° 05' 36"	4° 11' 51"	7° 31' 42"	20:43:17	399046	Muharram	1451
365	2029-06-12	18:32:07	18:42:41	0:10:35	293° 20' 49"	294° 06' 46"	0° 45' 57"	1° 51' 34"	6:40:19	392527	Safar	1451
366	2029-07-12	18:37:22	19:11:38	0:34:16	292° 03' 10"	287° 26' 37"	-4° 36' 33"	7° 12' 16"	18:45:06	379449	Rabiulawal	1451
367	2029-08-10	18:34:18	18:42:11	0:07:53	285° 32' 09"	280° 06' 30"	-5° 25' 39"	1° 23' 42"	8:37:18	371202	Rabiulakhir	1451
368	2029-09-09	18:22:54	18:58:41	0:35:47	275° 13' 06"	264° 15' 49"	-10° 57' 17"	7° 51' 57"	23:37:20	360896	Jamadilawal	1451
369	2029-10-08	18:08:55	18:29:12	0:20:17	263° 58' 39"	255° 50' 21"	-8° 08' 17"	4° 04' 38"	14:53:15	357257	Jamadilakhir	1451
370	2029-11-06	18:01:54	18:05:39	0:03:45	253° 53' 45"	249° 39' 06"	-4° 14' 39"	0° 25' 38"	5:36:37	357056	Rejab	1451
371	2029-12-06	18:06:54	18:52:04	0:45:10	247° 26' 48"	245° 12' 59"	-2° 13' 49"	9° 06' 16"	19:13:35	361742	Syaban	1451

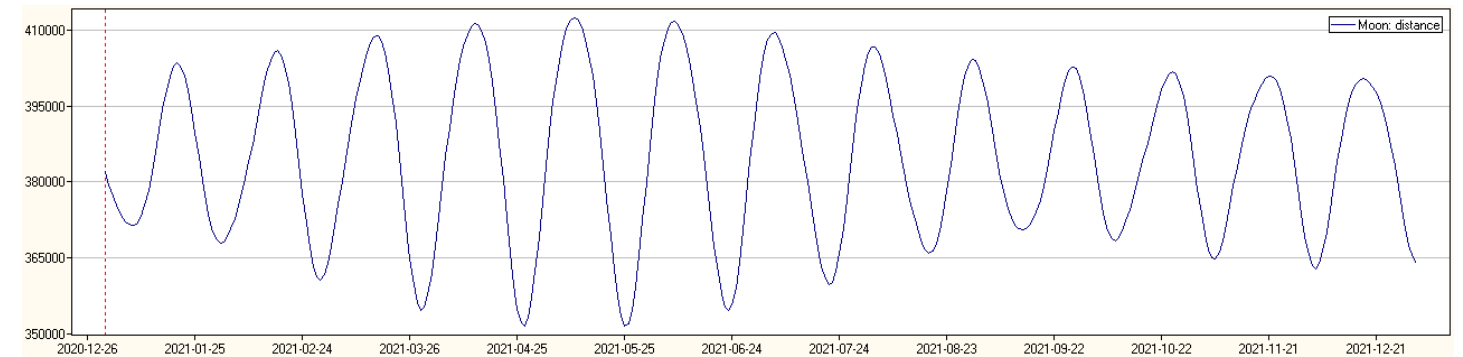
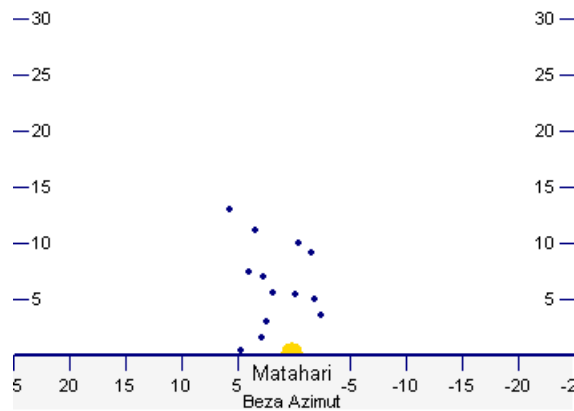
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2020-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



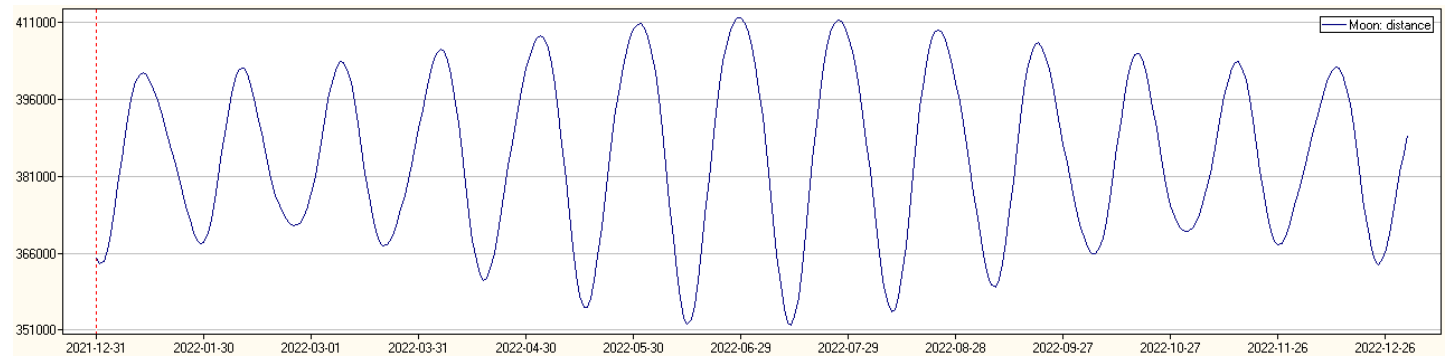
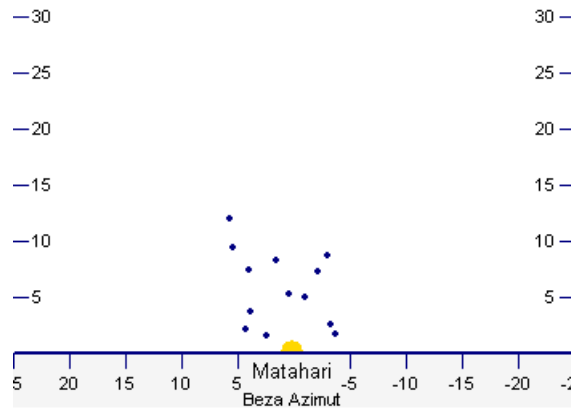
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2021-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
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 Lokasi Longitud: 114° 56' 19" E



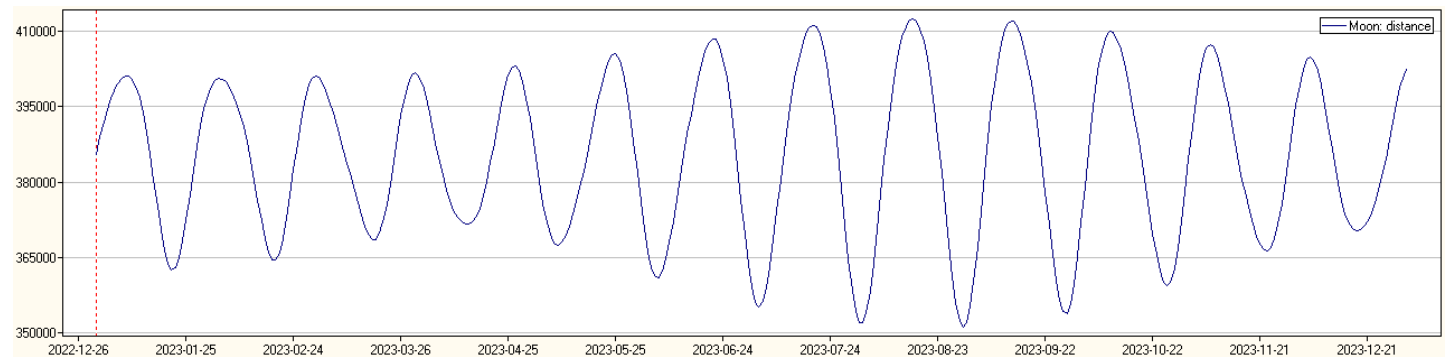
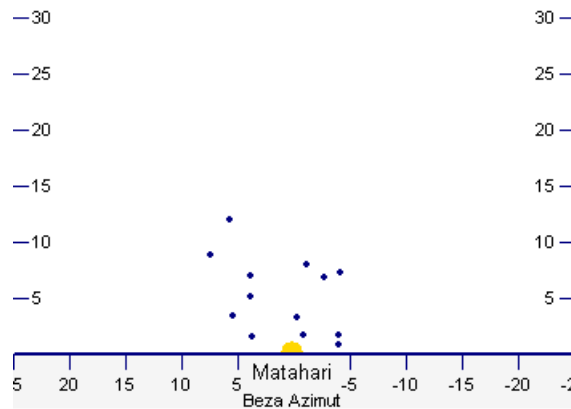
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2022-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
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 Lokasi Longitud: 114° 56' 19" E



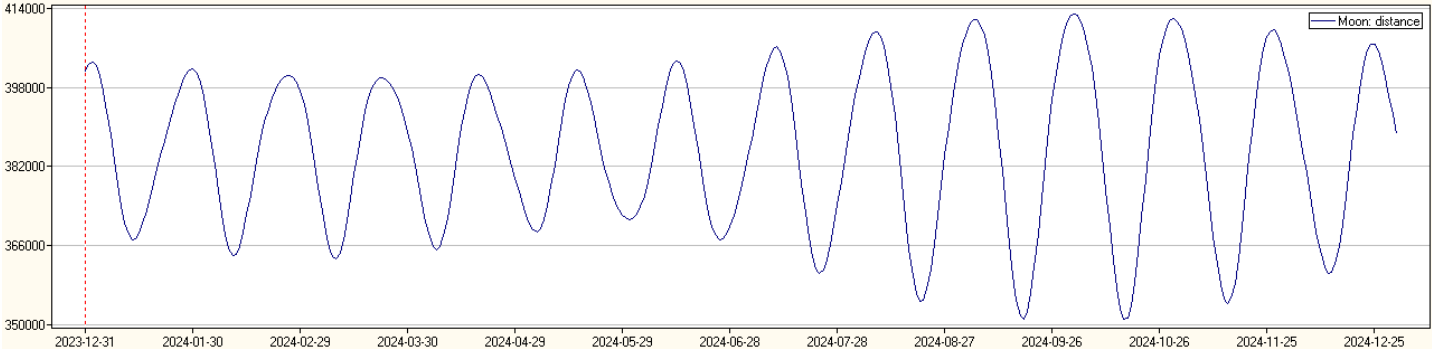
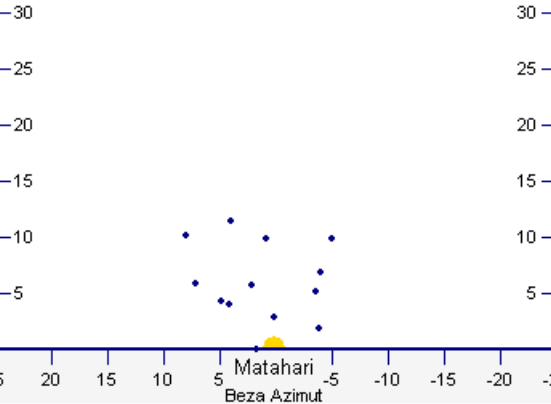
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2023-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



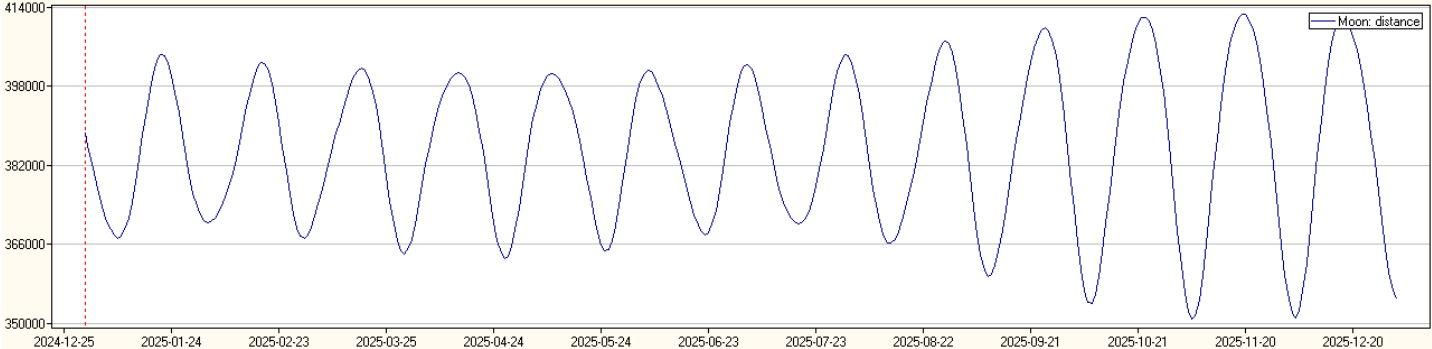
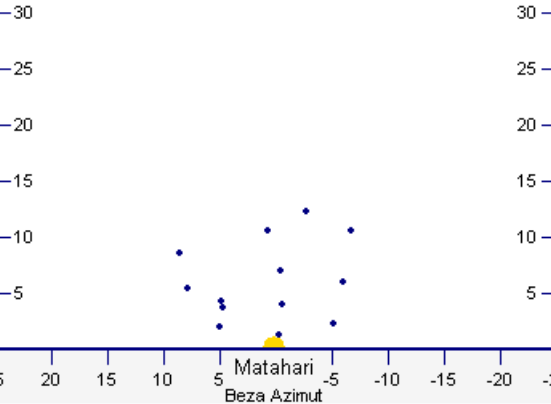
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2024-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
Lokasi Latitud: 4° 56' 33" N
Lokasi Longitud: 114° 56' 19" E



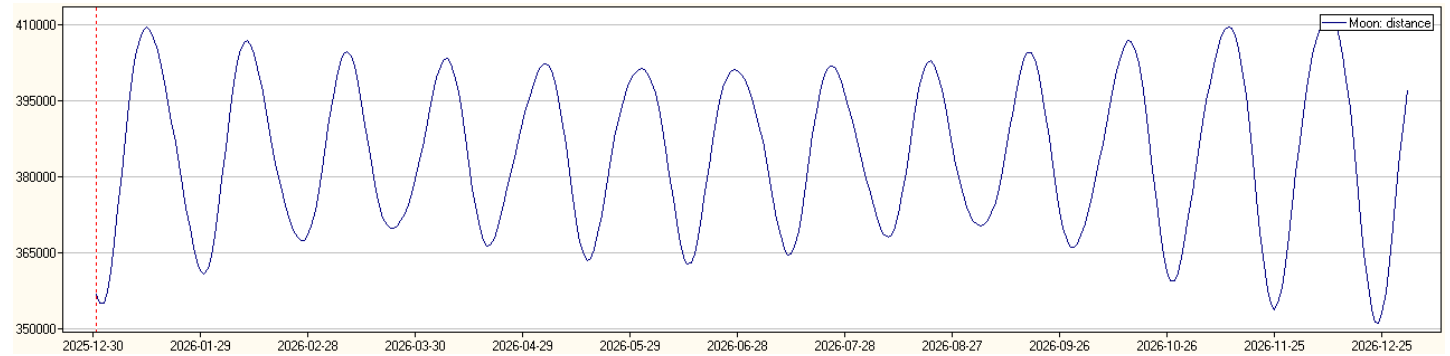
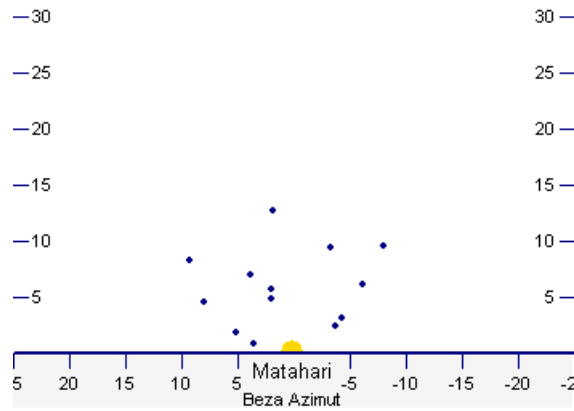
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2025-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
Lokasi Latitud: 4° 56' 33" N
Lokasi Longitud: 114° 56' 19" E



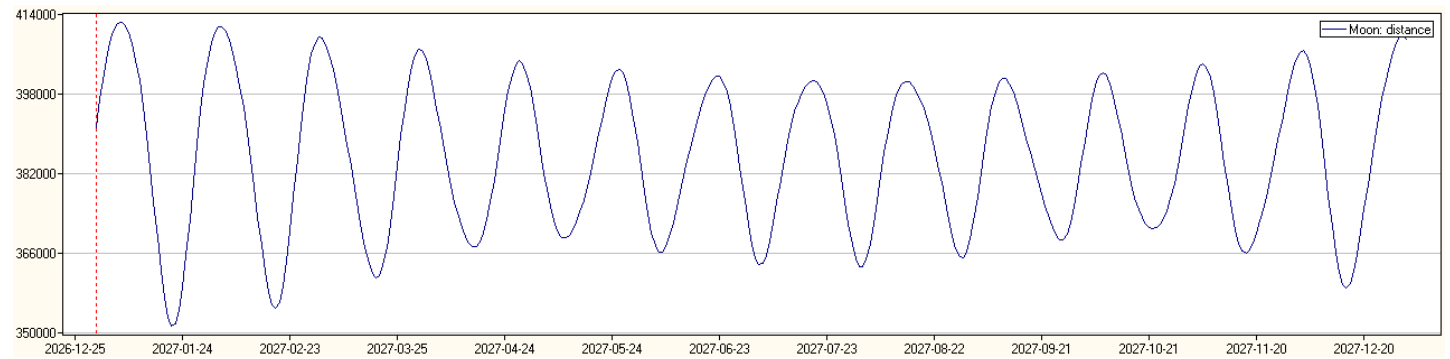
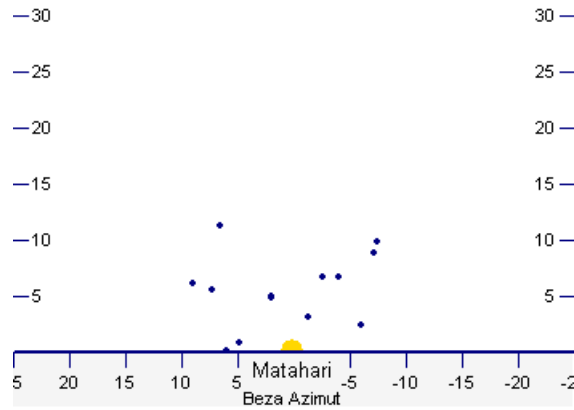
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2026-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
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 Lokasi Longitud: 114° 56' 19" E



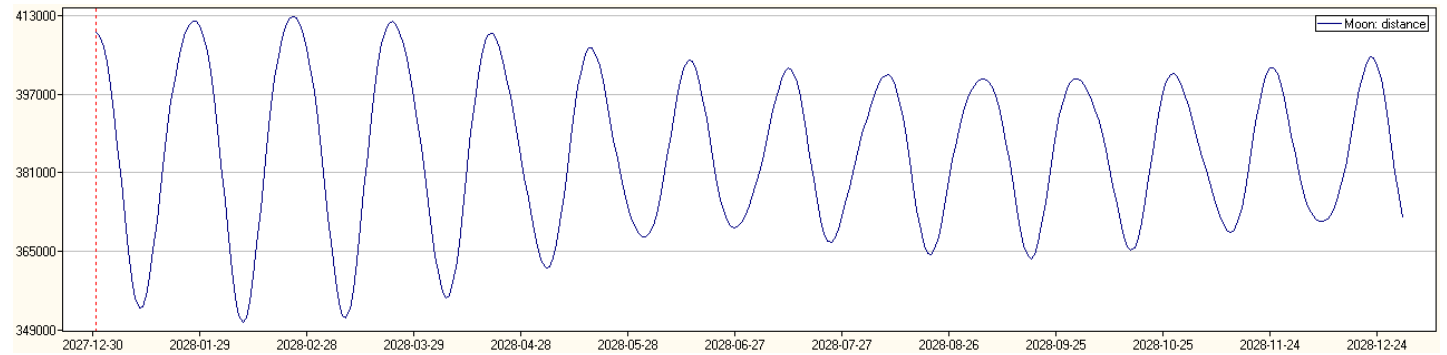
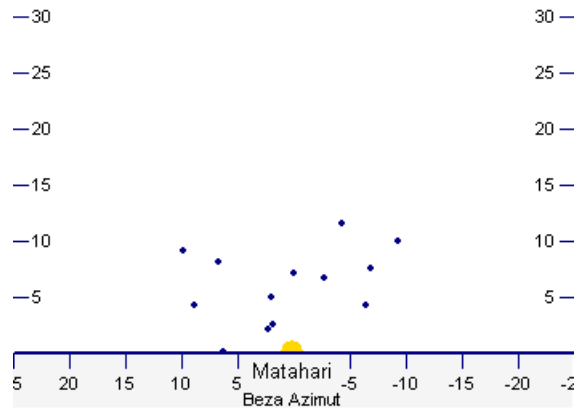
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2027-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



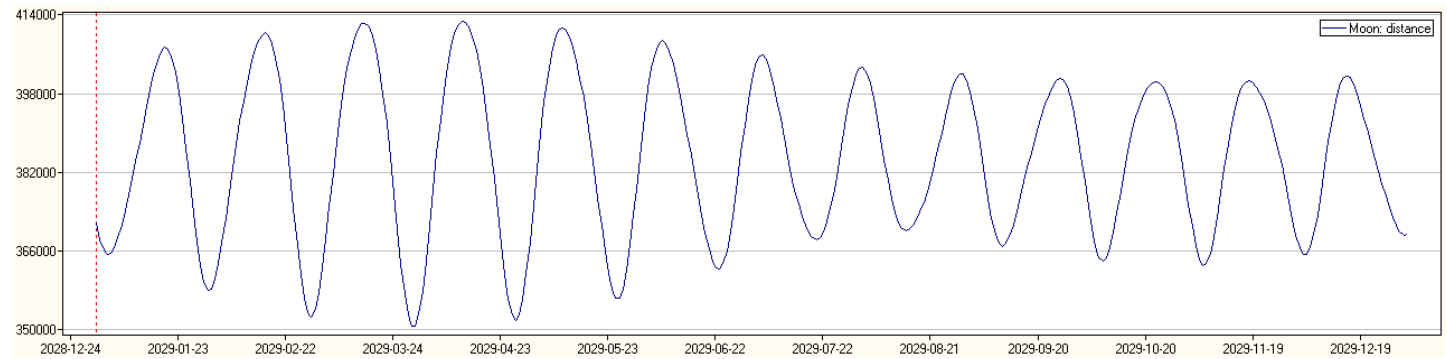
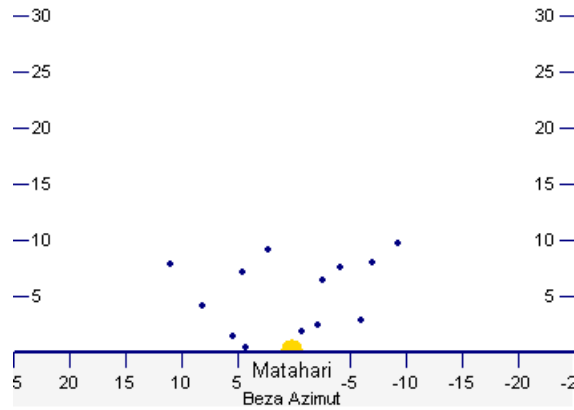
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2028-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2029-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



Jadual Kenampakan Pertama Anak Bulan

2030 – 2039

No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
372	2030-01-04	18:20:47	18:34:23	0:13:36	247° 18' 09"	249° 25' 15"	2° 07' 06"	2° 29' 45"	7:30:06	369274	Ramadan	1451
373	2030-02-03	18:31:26	19:02:47	0:31:21	253° 33' 55"	259° 55' 47"	6° 21' 52"	6° 48' 14"	18:22:41	381576	Syawal	1451
374	2030-03-05	18:33:01	19:16:11	0:43:09	264° 06' 04"	273° 08' 26"	9° 02' 22"	9° 44' 59"	1d 3:57:05	393582	Zulkaedah	1451
375	2030-04-03	18:28:31	18:42:14	0:13:44	275° 29' 58"	281° 24' 16"	5° 54' 18"	2° 45' 36"	12:24:48	400915	Zulhijjah	1451
376	2030-05-03	18:26:01	18:59:15	0:33:14	285° 53' 04"	289° 57' 22"	4° 04' 18"	6° 55' 49"	20:12:42	405383	Muharram	1452
377	2030-06-01	18:29:40	18:33:43	0:04:03	292° 15' 07"	292° 38' 56"	0° 23' 49"	0° 35' 50"	4:07:09	405931	Safar	1452
378	2030-07-01	18:36:17	18:56:06	0:19:50	293° 15' 18"	289° 39' 40"	-3° 35' 38"	3° 57' 48"	13:00:44	400013	Rabiulawal	1452
379	2030-07-31	18:36:58	19:10:45	0:33:47	288° 20' 31"	279° 54' 40"	-8° 25' 51"	7° 24' 13"	23:24:49	389311	Rabiulakhir	1452
380	2030-08-29	18:28:02	18:36:03	0:08:01	279° 22' 05"	272° 14' 25"	-7° 07' 40"	1° 28' 44"	11:19:25	381094	Jamadilawal	1452
381	2030-09-28	18:13:31	18:51:12	0:37:41	267° 56' 32"	258° 02' 31"	-9° 54' 01"	8° 11' 16"	1d 0:17:40	368242	Jamadilakhir	1452
382	2030-10-27	18:03:15	18:25:56	0:22:41	257° 10' 06"	251° 47' 49"	-5° 22' 17"	4° 31' 17"	13:45:07	361556	Rejab	1452
383	2030-11-25	18:03:26	18:06:57	0:03:31	249° 12' 36"	248° 28' 49"	-0° 43' 47"	0° 21' 44"	3:15:47	357684	Syaban	1452
384	2030-12-25	18:15:10	18:55:46	0:40:36	246° 35' 46"	249° 08' 34"	2° 32' 48"	8° 21' 18"	16:41:50	356974	Ramadan	1452
385	2031-01-23	18:28:38	18:36:11	0:07:34	250° 33' 55"	255° 28' 39"	4° 54' 44"	1° 15' 51"	5:56:28	361568	Syawal	1452
386	2031-02-22	18:33:24	19:04:41	0:31:16	259° 50' 44"	267° 31' 24"	7° 40' 41"	6° 51' 01"	18:43:19	371558	Zulkaedah	1452
387	2031-03-23	18:30:24	18:34:53	0:04:28	271° 06' 20"	276° 05' 24"	4° 59' 04"	0° 41' 45"	6:40:06	381046	Zulhijjah	1452
388	2031-04-22	18:26:48	18:55:56	0:29:08	282° 19' 55"	286° 04' 20"	3° 44' 25"	6° 07' 55"	17:28:28	392937	Muharram	1453
389	2031-05-21	18:27:50	18:30:04	0:02:14	290° 20' 54"	290° 11' 28"	-0° 09' 26"	0° 10' 05"	3:09:23	400519	Safar	1453
390	2031-06-20	18:33:55	18:52:32	0:18:37	293° 36' 00"	289° 59' 32"	-3° 36' 28"	3° 41' 58"	12:08:04	405636	Rabiulawal	1453
391	2031-07-20	18:37:40	19:06:08	0:28:28	290° 48' 16"	283° 24' 19"	-7° 23' 58"	6° 07' 13"	20:56:16	404677	Rabiulakhir	1453
392	2031-08-19	18:31:52	19:11:42	0:39:50	282° 52' 47"	272° 27' 36"	-10° 25' 11"	9° 00' 02"	1d 5:58:19	397674	Jamadilawal	1453
393	2031-09-17	18:19:13	18:34:55	0:15:41	272° 19' 57"	265° 21' 51"	-6° 58' 07"	3° 15' 00"	15:31:01	390831	Jamadilakhir	1453
394	2031-10-17	18:05:48	18:50:54	0:45:06	260° 47' 14"	253° 46' 45"	-7° 00' 29"	9° 45' 19"	1d 1:43:45	377551	Rejab	1453
395	2031-11-15	18:01:35	18:28:04	0:26:30	251° 31' 30"	250° 05' 54"	-1° 25' 36"	5° 20' 01"	12:50:43	369079	Syaban	1453
396	2031-12-15	18:10:21	19:12:38	1:02:17	246° 43' 27"	248° 41' 14"	1° 57' 47"	13° 09' 27"	1d 1:03:24	359190	Ramadan	1453
397	2032-01-13	18:24:17	18:55:11	0:30:54	248° 28' 35"	254° 02' 25"	5° 33' 51"	6° 24' 37"	14:16:27	356349	Syawal	1453
398	2032-02-12	18:33:03	19:31:41	0:58:38	256° 15' 36"	264° 56' 03"	8° 40' 27"	13° 13' 17"	1d 4:07:40	357896	Zulkaedah	1453
399	2032-03-12	18:32:03	19:05:01	0:32:58	267° 02' 53"	273° 21' 46"	6° 18' 53"	7° 12' 03"	18:06:14	363169	Zulhijjah	1453
400	2032-04-10	18:27:54	18:39:12	0:11:18	278° 20' 43"	280° 49' 56"	2° 29' 12"	2° 08' 04"	7:47:13	371111	Muharram	1454
401	2032-05-10	18:26:27	19:09:52	0:43:25	287° 58' 01"	287° 55' 15"	-0° 02' 46"	9° 13' 47"	20:49:33	383318	Safar	1454
402	2032-06-08	18:31:27	18:46:11	0:14:45	293° 04' 45"	289° 28' 11"	-3° 36' 34"	2° 49' 47"	8:58:09	392563	Rabiulawal	1454
403	2032-07-08	18:37:21	19:07:01	0:29:41	292° 32' 41"	285° 37' 00"	-6° 55' 42"	6° 18' 33"	19:54:35	401696	Rabiulakhir	1454

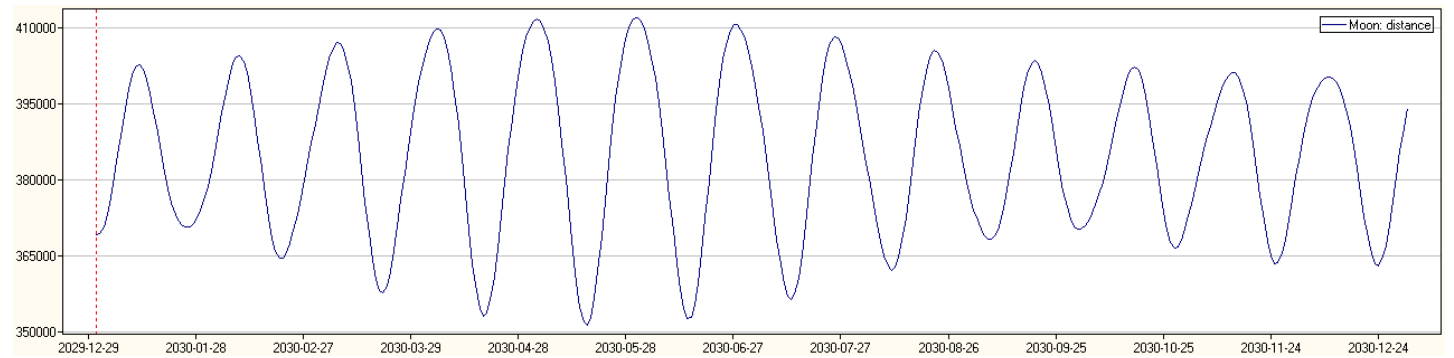
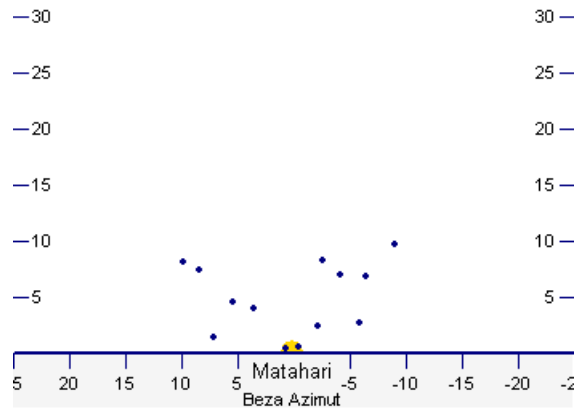
No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
404	2032-08-07	18:35:13	19:14:52	0:39:38	286° 19' 45"	276° 53' 43"	-9° 26' 02"	8° 54' 31"	1d 5:22:26	405484	Jamadilawal	1454
405	2032-09-05	18:24:39	18:35:59	0:11:20	276° 37' 16"	270° 44' 56"	-5° 52' 20"	2° 17' 29"	13:26:43	405425	Jamadilakhir	1454
406	2032-10-05	18:09:56	18:40:06	0:30:10	265° 01' 25"	259° 50' 29"	-5° 10' 56"	6° 35' 42"	20:42:09	398616	Rejab	1454
407	2032-11-03	18:01:37	18:07:47	0:06:11	254° 43' 13"	255° 00' 57"	0° 17' 44"	1° 03' 00"	4:15:17	391875	Syaban	1454
408	2032-12-03	18:05:51	18:34:37	0:28:46	247° 47' 44"	250° 05' 21"	2° 17' 37"	5° 52' 24"	13:11:41	378637	Ramadan	1454
409	2033-01-02	18:19:39	19:13:35	0:53:56	247° 07' 29"	252° 19' 48"	5° 12' 19"	11° 36' 13"	1d 0:01:22	366082	Syawal	1454
410	2033-01-31	18:30:47	18:53:14	0:22:27	252° 46' 28"	258° 41' 15"	5° 54' 46"	4° 37' 24"	12:29:45	360204	Zulkaedah	1454
411	2033-03-02	18:33:14	19:28:05	0:54:50	263° 02' 51"	269° 52' 59"	6° 50' 08"	12° 21' 07"	1d 2:08:36	356233	Zulhijjah	1454
412	2033-03-31	18:28:59	19:04:08	0:35:09	274° 26' 46"	277° 32' 02"	3° 05' 16"	7° 37' 18"	16:36:09	357915	Muharram	1455
413	2033-04-29	18:26:28	18:42:18	0:15:49	284° 46' 00"	283° 47' 28"	-0° 58' 32"	3° 04' 39"	7:39:05	362995	Safar	1455
414	2033-05-29	18:29:08	19:20:47	0:51:39	291° 51' 34"	288° 03' 12"	-3° 48' 22"	11° 01' 26"	22:51:26	373350	Rabiulawal	1455
415	2033-06-27	18:35:51	18:58:06	0:22:15	293° 28' 13"	287° 28' 26"	-5° 59' 47"	4° 30' 09"	13:27:37	382772	Rabiulakhir	1455
416	2033-07-27	18:37:13	19:17:59	0:40:47	289° 13' 44"	280° 51' 24"	-8° 22' 20"	9° 01' 03"	1d 2:23:25	394370	Jamadilawal	1455
417	2033-08-25	18:29:16	18:42:03	0:12:47	280° 40' 28"	275° 24' 58"	-5° 15' 30"	2° 36' 01"	12:48:15	401374	Jamadilakhir	1455
418	2033-09-24	18:15:04	18:44:41	0:29:37	269° 23' 35"	264° 51' 28"	-4° 32' 07"	6° 34' 23"	20:34:02	405542	Rejab	1455
419	2033-10-23	18:03:39	18:07:19	0:03:40	258° 26' 39"	259° 30' 45"	1° 04' 06"	0° 34' 22"	2:33:53	405835	Syaban	1455
420	2033-11-22	18:02:24	18:19:40	0:17:16	249° 45' 35"	252° 32' 09"	2° 46' 34"	3° 27' 25"	8:21:54	399695	Ramadan	1455
421	2033-12-22	18:14:11	18:44:32	0:30:21	246° 33' 32"	250° 58' 00"	4° 24' 28"	6° 17' 50"	15:26:19	388725	Syawal	1455
422	2034-01-21	18:27:55	19:15:49	0:47:54	250° 09' 54"	255° 53' 32"	5° 43' 38"	10° 28' 32"	1d 0:25:00	375571	Zulkaedah	1455
423	2034-02-19	18:33:43	18:52:03	0:18:20	258° 51' 48"	262° 48' 45"	3° 56' 57"	3° 45' 35"	11:22:12	367664	Zulhijjah	1455
424	2034-03-21	18:30:51	19:24:08	0:53:17	270° 25' 22"	273° 53' 33"	3° 28' 10"	11° 57' 16"	1d 0:15:09	358696	Muharram	1456
425	2034-04-19	18:26:44	19:02:27	0:35:43	281° 23' 26"	280° 49' 06"	-0° 34' 20"	7° 39' 42"	14:59:41	356519	Safar	1456
426	2034-05-18	18:27:28	18:43:59	0:16:31	289° 46' 14"	285° 56' 00"	-3° 50' 13"	3° 10' 25"	7:13:41	357929	Rabiulawal	1456
427	2034-06-17	18:33:27	19:28:05	0:54:38	293° 33' 18"	287° 30' 53"	-6° 02' 25"	11° 41' 16"	1d 0:06:21	364572	Rabiulakhir	1456
428	2034-07-16	18:37:27	19:05:51	0:28:24	291° 27' 37"	285° 06' 49"	-6° 20' 47"	5° 55' 35"	16:21:02	372668	Jamadilawal	1456
429	2034-08-14	18:33:14	18:38:14	0:04:59	284° 23' 01"	280° 39' 55"	-3° 43' 06"	0° 47' 45"	6:38:59	381991	Jamadilakhir	1456
430	2034-09-13	18:20:42	18:49:32	0:28:51	273° 45' 45"	270° 03' 27"	-3° 42' 18"	6° 22' 30"	18:05:43	393655	Rejab	1456
431	2034-10-12	18:07:15	18:12:14	0:04:59	262° 32' 22"	264° 04' 16"	1° 31' 53"	0° 51' 07"	2:33:24	400968	Syaban	1456
432	2034-11-11	18:01:20	18:19:39	0:18:19	252° 30' 59"	255° 15' 12"	2° 44' 13"	3° 46' 18"	8:43:50	405876	Ramadan	1456
433	2034-12-11	18:08:47	18:35:01	0:26:14	246° 58' 36"	250° 50' 15"	3° 51' 39"	5° 25' 41"	13:53:03	404661	Syawal	1456
434	2035-01-10	18:23:26	18:57:07	0:33:41	248° 02' 56"	252° 20' 34"	4° 17' 37"	7° 08' 27"	19:19:01	397353	Zulkaedah	1456
435	2035-02-09	18:32:39	19:20:30	0:47:51	255° 21' 46"	259° 27' 37"	4° 05' 51"	10° 39' 42"	1d 2:09:16	385579	Zulhijjah	1456
436	2035-03-10	18:32:42	18:53:08	0:20:27	265° 58' 32"	266° 52' 47"	0° 54' 15"	4° 18' 46"	11:22:07	377068	Muharram	1457
437	2035-04-09	18:28:10	19:21:38	0:53:29	277° 42' 09"	277° 50' 35"	0° 08' 26"	11° 56' 03"	23:29:18	364817	Safar	1457
438	2035-05-08	18:26:08	19:01:33	0:35:25	287° 14' 17"	284° 01' 19"	-3° 12' 58"	7° 29' 43"	14:21:08	359340	Rabiulawal	1457
439	2035-06-06	18:30:57	18:45:23	0:14:27	292° 49' 29"	287° 55' 25"	-4° 54' 04"	2° 40' 51"	7:09:05	357032	Rabiulakhir	1457
440	2035-07-06	18:36:57	19:31:57	0:54:59	292° 50' 33"	286° 40' 07"	-6° 10' 26"	11° 48' 07"	1d 0:36:29	358692	Jamadilawal	1457

No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
441	2035-08-04	18:36:17	19:09:16	0:32:59	287° 21' 41"	282° 30' 36"	-4° 51' 05"	7° 01' 47"	17:23:20	364134	Jamadilakhir	1457
442	2035-09-02	18:25:53	18:40:37	0:14:44	277° 59' 16"	276° 36' 40"	-1° 22' 36"	2° 57' 24"	8:25:11	371914	Rejab	1457
443	2035-10-02	18:11:48	18:54:22	0:42:34	266° 28' 14"	264° 37' 05"	-1° 51' 09"	9° 33' 49"	21:03:46	384004	Syaban	1457
444	2035-10-31	18:02:20	18:19:13	0:16:53	255° 54' 39"	258° 48' 37"	2° 53' 58"	3° 28' 03"	7:02:24	393031	Ramadan	1457
445	2035-11-30	18:04:14	18:33:29	0:29:15	248° 20' 51"	251° 24' 58"	3° 04' 07"	6° 07' 19"	14:25:23	402025	Syawal	1457
446	2035-12-30	18:17:57	18:52:47	0:34:50	246° 49' 51"	249° 55' 49"	3° 05' 58"	7° 19' 11"	19:45:38	405712	Zulkaedah	1457
447	2036-01-29	18:30:18	19:11:48	0:41:30	252° 01' 30"	254° 34' 35"	2° 33' 05"	9° 03' 15"	1d 0:11:42	402992	Zulhijjah	1457
448	2036-02-27	18:33:41	18:41:20	0:07:39	261° 37' 50"	261° 06' 19"	-0° 31' 31"	1° 24' 59"	5:33:03	398593	Muharram	1458
449	2036-03-28	18:29:52	18:57:01	0:27:09	273° 23' 27"	271° 45' 16"	-1° 38' 11"	5° 55' 48"	13:31:47	386971	Safar	1458
450	2036-04-26	18:26:10	18:28:55	0:02:45	283° 53' 49"	279° 19' 01"	-4° 34' 48"	0° 16' 35"	0:51:45	378628	Rabiulawal	1458
451	2036-05-26	18:28:47	19:03:05	0:34:18	291° 25' 32"	287° 28' 15"	-3° 57' 17"	7° 07' 38"	15:10:40	366099	Rabiulakhir	1458
452	2036-06-24	18:35:17	18:47:47	0:12:30	293° 33' 54"	289° 42' 55"	-3° 50' 59"	2° 14' 30"	7:24:27	360531	Jamadilawal	1458
453	2036-07-24	18:37:27	19:32:20	0:54:53	289° 50' 15"	285° 07' 43"	-4° 42' 32"	11° 52' 45"	1d 0:19:21	356616	Jamadilakhir	1458
454	2036-08-22	18:30:24	19:07:50	0:37:26	281° 36' 52"	279° 07' 03"	-2° 29' 49"	8° 08' 24"	16:54:02	358367	Rejab	1458
455	2036-09-20	18:16:50	18:37:57	0:21:06	270° 50' 57"	271° 51' 06"	1° 00' 09"	4° 26' 08"	8:24:08	363296	Syaban	1458
456	2036-10-20	18:04:25	18:55:45	0:51:20	259° 24' 41"	258° 39' 54"	-0° 44' 46"	11° 25' 19"	22:13:14	373681	Ramadan	1458
457	2036-11-18	18:02:15	18:24:42	0:22:27	250° 36' 10"	253° 29' 39"	2° 53' 29"	4° 35' 49"	9:46:37	383102	Syawal	1458
458	2036-12-18	18:11:52	18:48:34	0:36:41	246° 34' 43"	248° 22' 58"	1° 48' 15"	7° 36' 45"	18:36:09	394833	Zulkaedah	1458
459	2037-01-17	18:26:30	19:11:39	0:45:09	249° 22' 06"	250° 33' 07"	1° 11' 01"	9° 40' 12"	1d 0:50:46	402871	Zulhijjah	1458
460	2037-02-15	18:33:34	18:41:40	0:08:06	257° 32' 55"	256° 20' 17"	-1° 12' 38"	1° 30' 04"	5:38:15	406263	Muharram	1459
461	2037-03-17	18:31:21	18:52:13	0:20:52	268° 56' 26"	266° 31' 18"	-2° 25' 08"	4° 30' 05"	10:53:48	404000	Safar	1459
462	2037-04-16	18:26:43	19:03:28	0:36:45	280° 25' 37"	277° 58' 38"	-2° 26' 59"	8° 09' 02"	18:17:43	395857	Rabiulawal	1459
463	2037-05-15	18:26:42	18:35:09	0:08:27	289° 08' 31"	284° 59' 33"	-4° 08' 58"	1° 31' 14"	4:31:12	388646	Rabiulakhir	1459
464	2037-06-14	18:32:59	19:08:47	0:35:47	293° 27' 43"	290° 38' 49"	-2° 48' 55"	7° 20' 27"	17:21:31	375274	Jamadilawal	1459
465	2037-07-13	18:37:29	18:52:14	0:14:45	291° 53' 49"	290° 29' 27"	-1° 24' 22"	2° 43' 53"	8:04:30	367412	Jamadilakhir	1459
466	2037-08-12	18:34:06	19:29:25	0:55:19	284° 55' 28"	282° 04' 28"	-2° 50' 59"	12° 10' 53"	23:51:28	358490	Rejab	1459
467	2037-09-10	18:22:12	19:01:36	0:39:23	274° 48' 41"	274° 16' 24"	-0° 32' 18"	8° 41' 50"	15:55:41	356341	Syaban	1459
468	2037-10-09	18:08:48	18:30:29	0:21:41	263° 34' 57"	265° 57' 27"	2° 22' 30"	4° 32' 38"	7:33:11	357727	Ramadan	1459
469	2037-11-08	18:01:34	18:54:29	0:52:55	253° 17' 27"	252° 27' 03"	-0° 50' 24"	11° 24' 22"	21:57:20	364620	Syawal	1459
470	2037-12-07	18:06:50	18:29:36	0:22:46	247° 19' 19"	248° 40' 28"	1° 21' 09"	4° 28' 38"	10:27:16	372992	Zulkaedah	1459
471	2038-01-06	18:21:15	19:03:58	0:42:43	247° 31' 48"	247° 13' 07"	-0° 18' 41"	8° 49' 49"	20:38:32	385591	Zulhijjah	1459
472	2038-02-04	18:31:37	18:39:19	0:07:43	253° 52' 47"	251° 55' 33"	-1° 57' 14"	1° 21' 12"	4:38:03	394783	Muharram	1460
473	2038-03-06	18:33:02	18:55:01	0:21:59	264° 30' 44"	261° 47' 53"	-2° 42' 51"	4° 43' 02"	11:16:42	403117	Safar	1460
474	2038-04-05	18:28:38	19:02:06	0:33:27	276° 17' 38"	273° 59' 38"	-2° 18' 00"	7° 28' 48"	17:44:23	405791	Rabiulawal	1460
475	2038-05-04	18:26:16	18:27:54	0:01:38	286° 11' 48"	282° 07' 29"	-4° 04' 19"	0° 02' 36"	1:05:25	404969	Rabiulakhir	1460
476	2038-06-03	18:30:07	18:47:07	0:17:00	292° 30' 54"	290° 37' 12"	-1° 53' 42"	3° 18' 23"	10:04:43	397147	Jamadilawal	1460
477	2038-07-03	18:36:36	19:19:36	0:42:59	293° 05' 51"	292° 11' 58"	-0° 53' 54"	8° 52' 12"	21:03:20	384997	Jamadilakhir	1460

No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
478	2038-08-01	18:36:39	18:58:19	0:21:41	288° 04' 18"	288° 57' 40"	0° 53' 22"	4° 19' 00"	9:55:11	376395	Rejab	1460
479	2038-08-30	18:27:09	18:32:01	0:04:52	278° 58' 45"	282° 46' 52"	3° 48' 08"	0° 43' 44"	0:13:14	368281	Syaban	1460
480	2038-09-29	18:13:10	18:51:18	0:38:08	267° 31' 59"	267° 40' 22"	0° 08' 23"	8° 26' 44"	15:14:31	358783	Ramadan	1460
481	2038-10-28	18:02:38	18:19:51	0:17:13	256° 48' 20"	259° 02' 46"	2° 14' 25"	3° 26' 09"	6:08:43	356532	Syawal	1460
482	2038-11-27	18:03:30	18:52:43	0:49:13	248° 48' 59"	246° 54' 20"	-1° 54' 38"	10° 07' 27"	20:15:34	358513	Zulkaedah	1460
483	2038-12-26	18:15:58	18:34:59	0:19:02	246° 38' 11"	245° 33' 19"	-1° 04' 52"	3° 31' 57"	9:12:45	364394	Zulhijjah	1460
484	2039-01-25	18:29:04	19:16:26	0:47:21	251° 03' 24"	249° 06' 46"	-1° 56' 37"	9° 57' 10"	20:51:40	375526	Muharram	1461
485	2039-02-23	18:33:40	18:49:58	0:16:18	260° 14' 10"	256° 45' 06"	-3° 29' 05"	3° 16' 46"	7:14:44	385186	Safar	1461
486	2039-03-25	18:29:58	19:03:16	0:33:18	271° 54' 50"	269° 50' 02"	-2° 04' 47"	7° 26' 14"	16:29:07	396418	Rabiulawal	1461
487	2039-04-23	18:26:19	18:28:05	0:01:46	282° 40' 37"	279° 00' 47"	-3° 39' 50"	0° 04' 38"	0:50:17	403054	Rabiulakhir	1461
488	2039-05-23	18:27:53	18:41:40	0:13:47	290° 44' 58"	289° 43' 20"	-1° 01' 38"	2° 39' 17"	8:48:33	406171	Jamadilawal	1461
489	2039-06-22	18:34:37	19:06:17	0:31:40	293° 36' 31"	294° 17' 20"	0° 40' 49"	6° 20' 50"	17:12:01	402887	Jamadilakhir	1461
490	2039-07-21	18:37:29	18:43:04	0:05:35	290° 36' 00"	293° 17' 00"	2° 41' 00"	0° 52' 39"	2:42:20	398124	Rejab	1461
491	2039-08-20	18:31:44	19:02:30	0:30:46	282° 32' 15"	284° 01' 07"	1° 28' 52"	6° 34' 27"	13:40:01	386227	Syaban	1461
492	2039-09-18	18:18:33	18:27:45	0:09:12	271° 55' 07"	275° 47' 06"	3° 51' 59"	1° 43' 37"	1:54:20	377717	Ramadan	1461
493	2039-10-18	18:05:24	18:39:08	0:33:44	260° 23' 55"	259° 41' 02"	-0° 42' 53"	7° 18' 48"	14:55:14	365345	Syawal	1461
494	2039-11-16	18:01:31	18:09:49	0:08:17	251° 15' 15"	251° 51' 50"	0° 36' 36"	1° 23' 06"	4:14:15	359853	Zulkaedah	1461
495	2039-12-16	18:11:03	18:53:19	0:42:16	246° 40' 37"	243° 20' 03"	-3° 20' 34"	8° 18' 21"	17:37:51	356169	Zulhijjah	1461

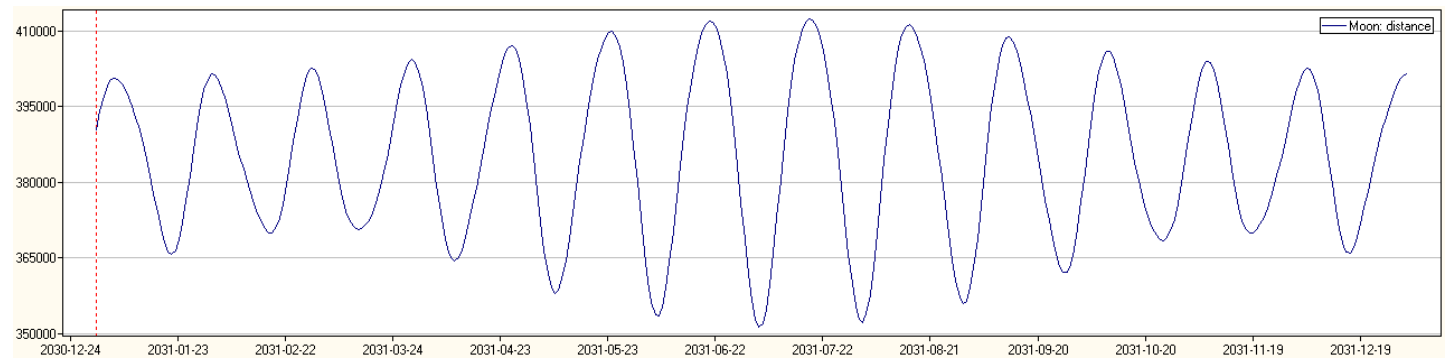
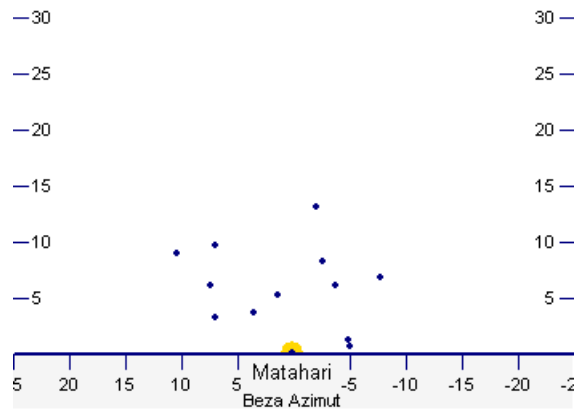
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2030-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



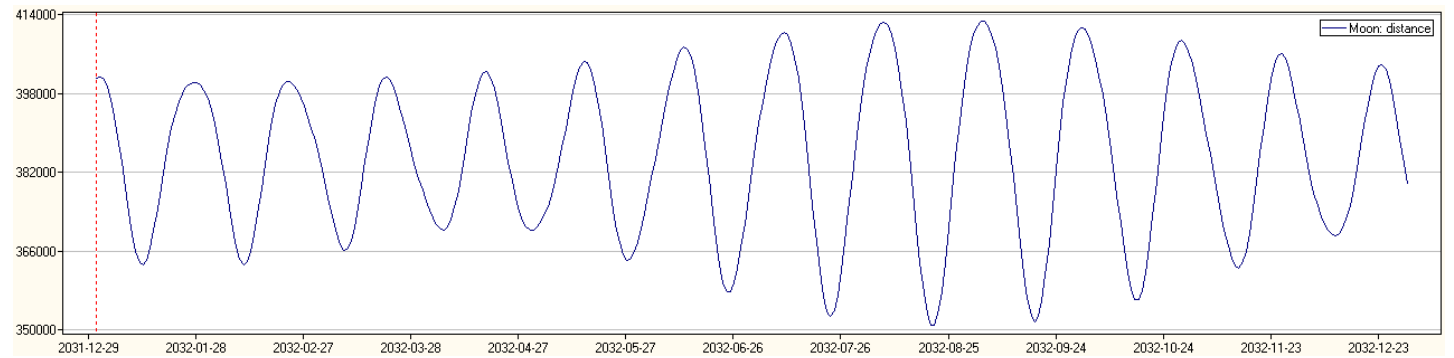
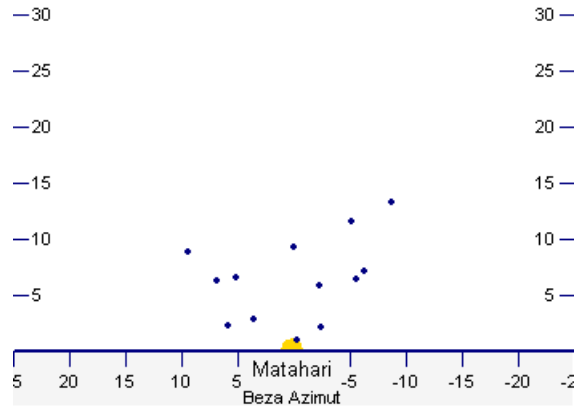
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2031-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



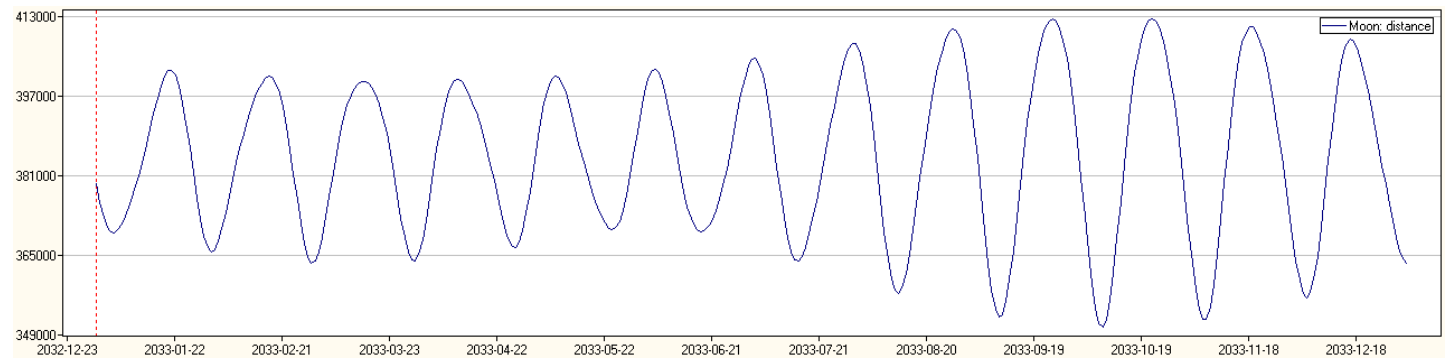
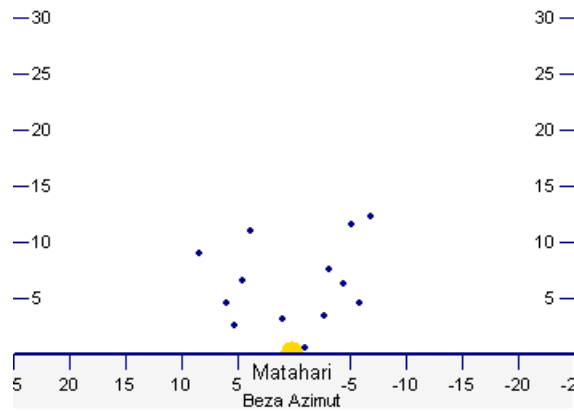
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2032-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



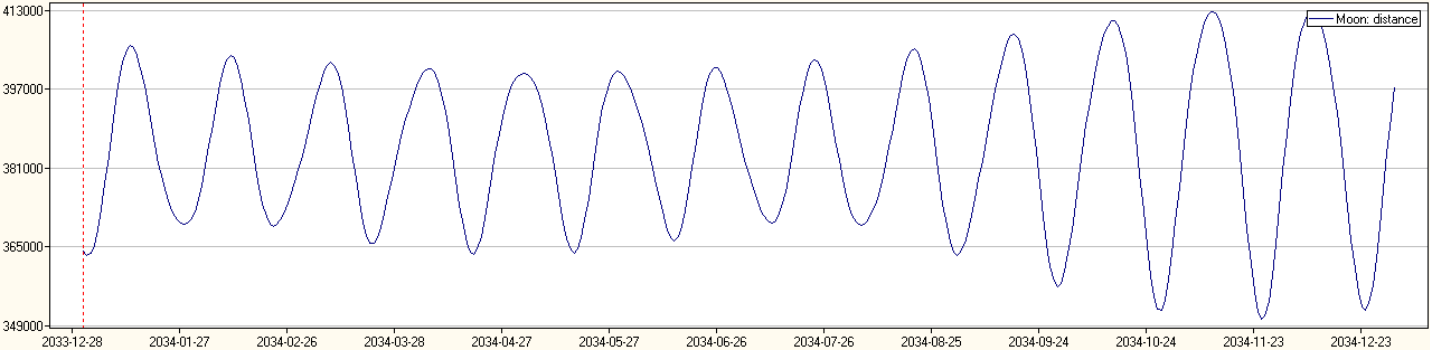
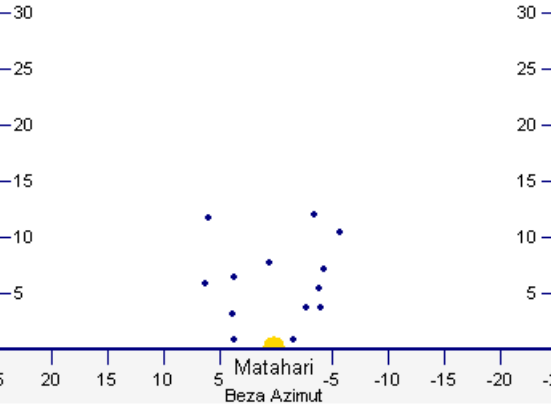
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2033-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



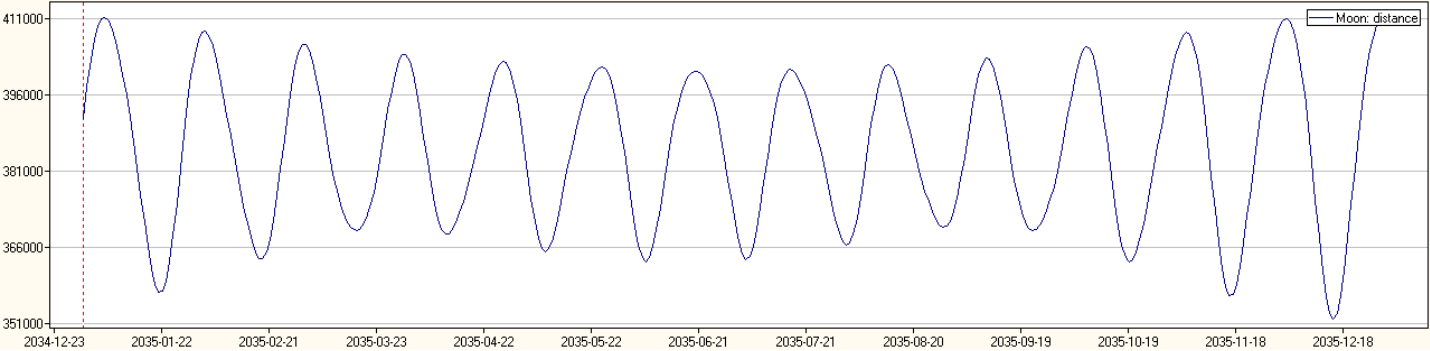
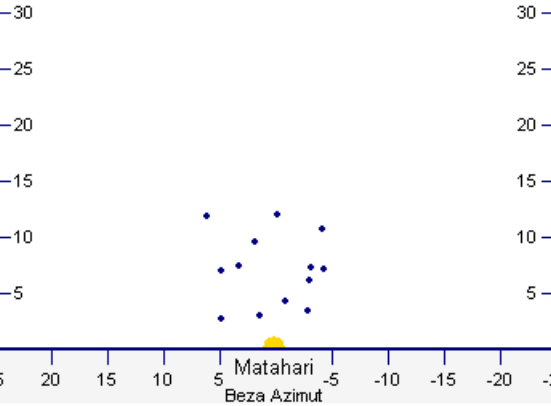
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2034-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
Lokasi Latitud: 4° 56' 33" N
Lokasi Longitud: 114° 56' 19" E



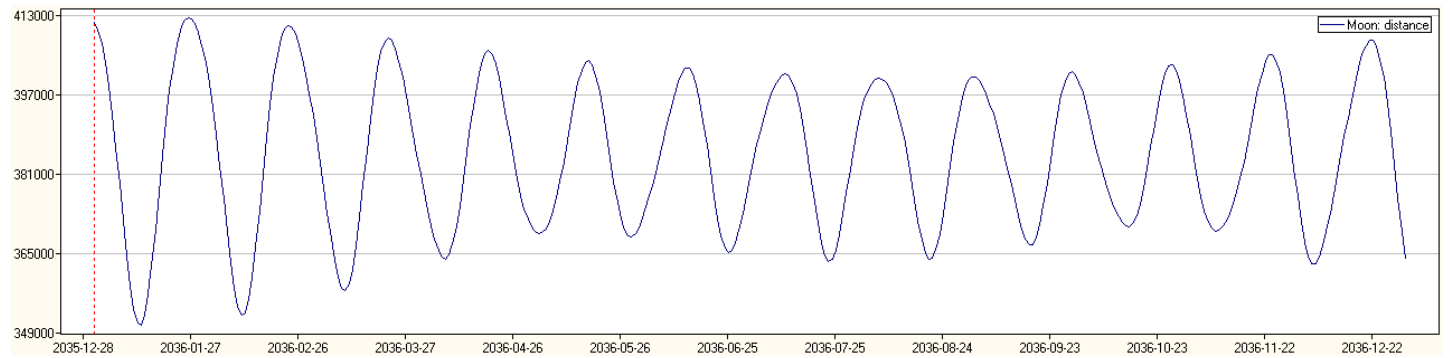
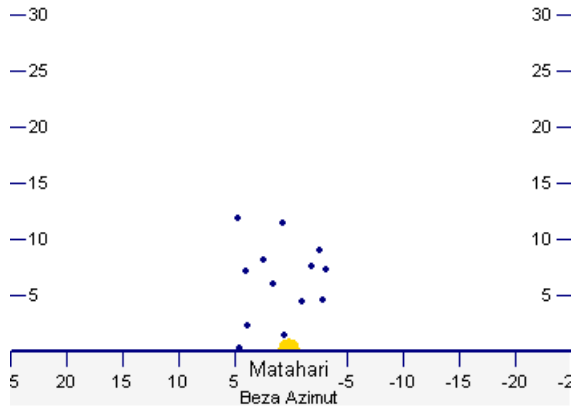
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2035-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
Lokasi Latitud: 4° 56' 33" N
Lokasi Longitud: 114° 56' 19" E



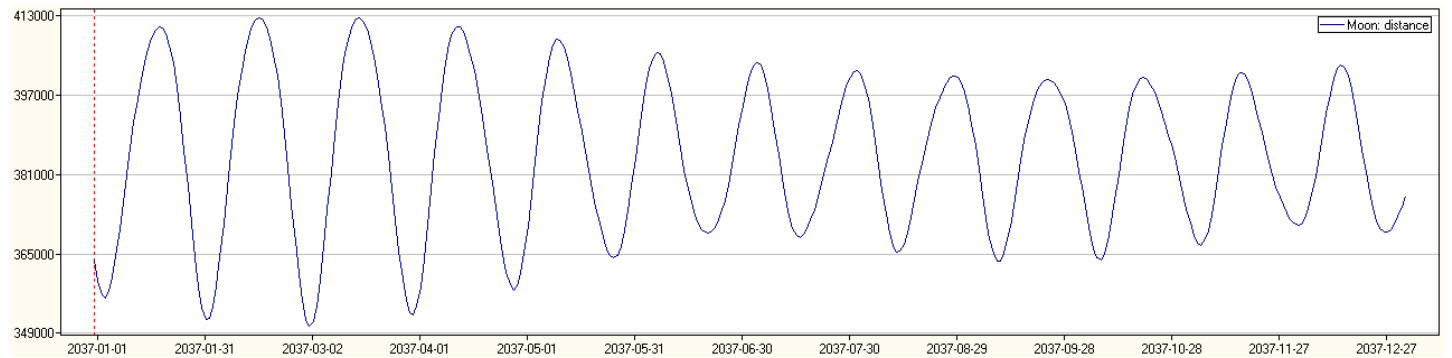
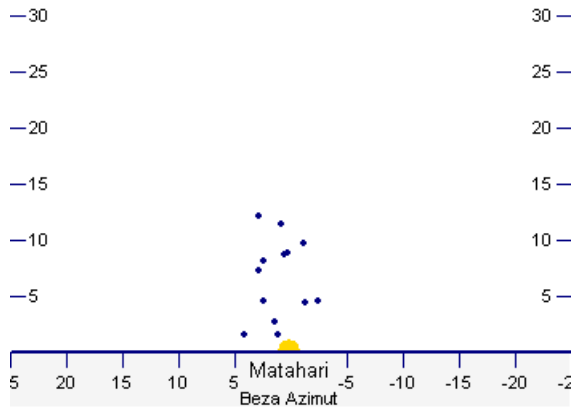
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2036-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



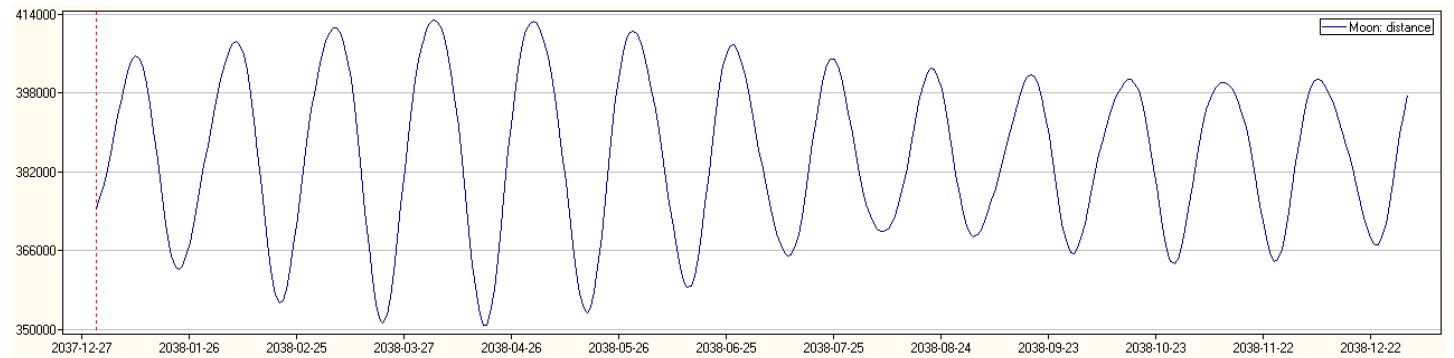
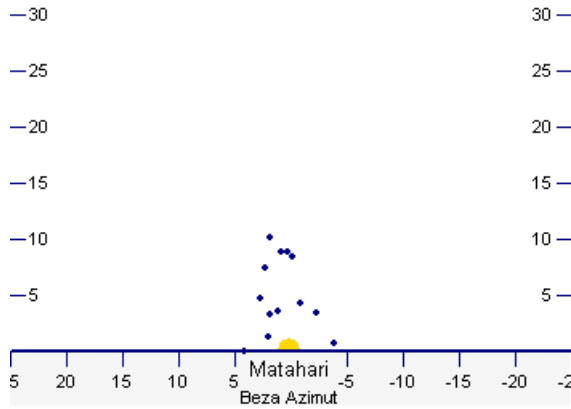
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2037-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



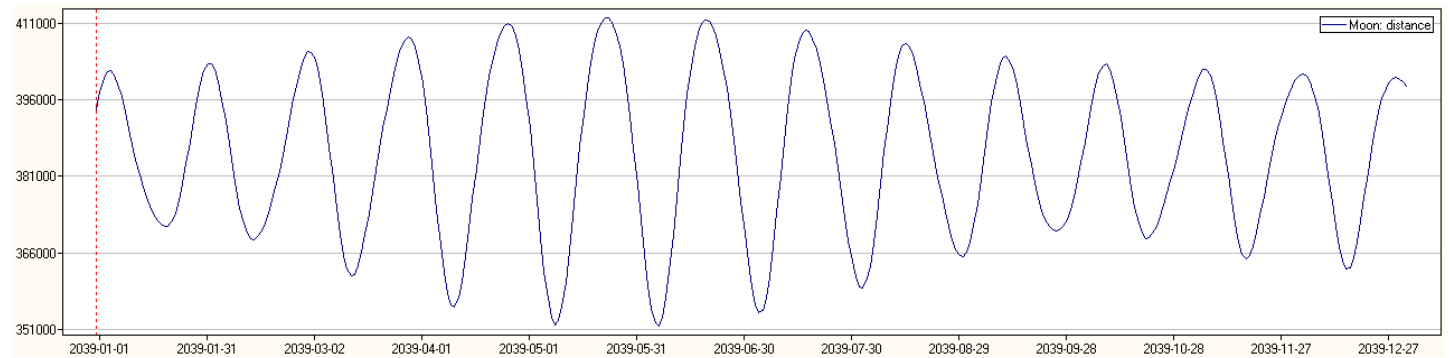
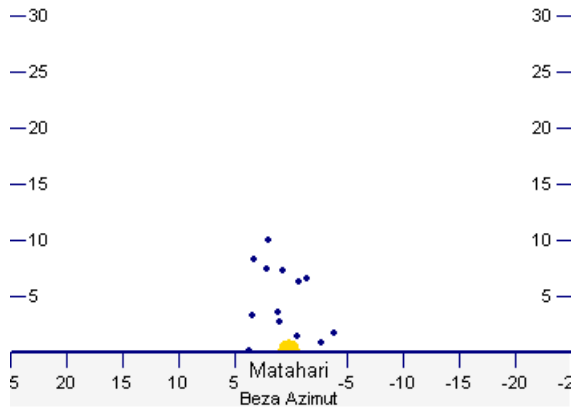
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2038-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2039-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



Jadual Kenampakan Pertama Anak Bulan

2040 – 2049

No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
496	2040-01-14	18:24:55	18:40:38	0:15:43	248° 39' 37"	245° 19' 41"	-3° 19' 57"	2° 48' 38"	6:58:31	358434	Muharram	1462
497	2040-02-13	18:32:58	19:21:51	0:48:53	256° 36' 25"	254° 33' 17"	-2° 03' 08"	10° 36' 10"	20:07:18	366108	Safar	1462
498	2040-03-13	18:31:48	18:52:32	0:20:44	267° 27' 40"	264° 30' 13"	-2° 57' 27"	4° 21' 54"	8:44:28	374856	Rabiulawal	1462
499	2040-04-12	18:27:08	19:07:48	0:40:40	279° 05' 18"	279° 28' 21"	0° 23' 03"	9° 00' 26"	20:25:42	387367	Rabiulakhir	1462
500	2040-05-11	18:26:35	18:37:10	0:10:35	288° 14' 25"	287° 58' 44"	-0° 15' 42"	1° 58' 06"	6:57:22	396141	Jamadirawal	1462
501	2040-06-10	18:31:40	19:02:12	0:30:32	293° 14' 11"	295° 11' 38"	1° 57' 26"	6° 03' 28"	16:27:17	403635	Jamadirakhir	1462
502	2040-07-09	18:37:32	18:39:29	0:01:57	292° 25' 12"	295° 50' 23"	3° 25' 11"	0° 05' 16"	1:21:35	406513	Rejab	1462
503	2040-08-08	18:34:49	18:57:36	0:22:47	286° 01' 30"	288° 47' 18"	2° 45' 47"	4° 39' 47"	10:07:13	403703	Syaban	1462
504	2040-09-07	18:23:31	19:01:20	0:37:49	275° 50' 47"	275° 33' 33"	-0° 17' 14"	8° 29' 12"	19:08:38	395238	Ramadan	1462
505	2040-10-06	18:09:28	18:20:22	0:10:54	264° 36' 58"	266° 24' 11"	1° 47' 14"	2° 08' 48"	4:42:20	387796	Syawal	1462
506	2040-11-05	18:01:42	18:30:03	0:28:22	254° 05' 39"	251° 17' 55"	-2° 47' 44"	5° 50' 18"	15:04:26	374504	Zulkaedah	1462
507	2040-12-05	18:06:27	19:08:08	1:01:41	247° 31' 28"	241° 24' 46"	-6° 06' 42"	12° 16' 55"	1d 2:32:04	362896	Zulhijjah	1462
508	2041-01-03	18:20:16	18:57:32	0:37:16	247° 13' 41"	242° 55' 39"	-4° 18' 02"	7° 13' 21"	15:11:17	357890	Muharram	1463
509	2041-02-01	18:31:07	18:43:49	0:12:42	253° 04' 33"	248° 45' 45"	-4° 18' 48"	2° 15' 11"	4:47:01	356348	Safar	1463
510	2041-03-03	18:33:02	19:18:24	0:45:22	263° 26' 58"	262° 56' 03"	-0° 30' 56"	10° 04' 25"	18:52:33	359307	Rabiulawal	1463
511	2041-04-01	18:28:59	18:48:05	0:19:06	274° 51' 32"	274° 03' 52"	-0° 47' 40"	3° 57' 44"	8:58:18	365877	Rabiulakhir	1463
512	2041-05-01	18:25:58	19:12:44	0:46:46	285° 23' 10"	288° 48' 01"	3° 24' 51"	9° 54' 43"	22:38:22	377540	Jamadirawal	1463
513	2041-05-30	18:29:41	18:50:49	0:21:09	292° 01' 41"	294° 57' 23"	2° 55' 42"	4° 01' 23"	11:32:28	387056	Jamadirakhir	1463
514	2041-06-29	18:36:09	19:25:40	0:49:31	293° 22' 01"	296° 12' 10"	2° 50' 09"	10° 00' 20"	23:17:59	397659	Rejab	1463
515	2041-07-28	18:37:21	18:58:40	0:21:19	288° 59' 27"	292° 12' 35"	3° 13' 08"	4° 13' 25"	9:33:48	403543	Syaban	1463
516	2041-08-27	18:28:21	19:02:56	0:34:35	279° 57' 10"	280° 00' 21"	0° 03' 10"	7° 39' 44"	18:11:03	405708	Ramadan	1463
517	2041-09-25	18:15:02	18:18:50	0:03:47	268° 59' 23"	271° 08' 37"	2° 09' 14"	0° 36' 39"	1:32:35	404567	Syawal	1463
518	2041-10-25	18:03:08	18:14:36	0:11:29	257° 43' 38"	255° 59' 58"	-1° 43' 40"	2° 13' 39"	8:31:37	396653	Zulkaedah	1463
519	2041-11-24	18:02:49	18:31:00	0:28:11	249° 19' 56"	244° 07' 49"	-5° 12' 07"	5° 29' 54"	16:24:57	384531	Zulhijjah	1463
520	2041-12-24	18:14:59	19:15:32	1:00:33	246° 34' 52"	240° 41' 38"	-5° 53' 14"	11° 59' 28"	1d 2:07:24	371195	Muharram	1464
521	2042-01-22	18:28:30	19:02:01	0:33:31	250° 24' 31"	246° 36' 00"	-3° 48' 31"	6° 41' 14"	13:45:11	363728	Safar	1464
522	2042-02-20	18:33:27	18:41:15	0:07:48	259° 14' 12"	255° 42' 38"	-3° 31' 34"	1° 18' 46"	2:53:22	358886	Rabiulawal	1464
523	2042-03-22	18:30:45	19:08:26	0:37:41	270° 50' 39"	272° 47' 24"	1° 56' 45"	8° 18' 15"	17:06:32	356475	Rabiulakhir	1464
524	2042-04-20	18:26:31	18:41:05	0:14:34	281° 45' 18"	283° 44' 58"	1° 59' 40"	2° 47' 40"	8:05:55	359675	Jamadirawal	1464
525	2042-05-20	18:27:52	19:21:48	0:53:56	290° 12' 58"	295° 36' 49"	5° 23' 51"	10° 51' 08"	23:31:46	368188	Jamadirakhir	1464
526	2042-06-18	18:33:31	19:07:56	0:34:25	293° 34' 46"	297° 44' 19"	4° 09' 33"	6° 36' 46"	14:44:08	376837	Rejab	1464
527	2042-07-17	18:37:34	18:50:08	0:12:34	291° 17' 08"	295° 24' 56"	4° 07' 47"	2° 13' 39"	4:44:26	386209	Syaban	1464

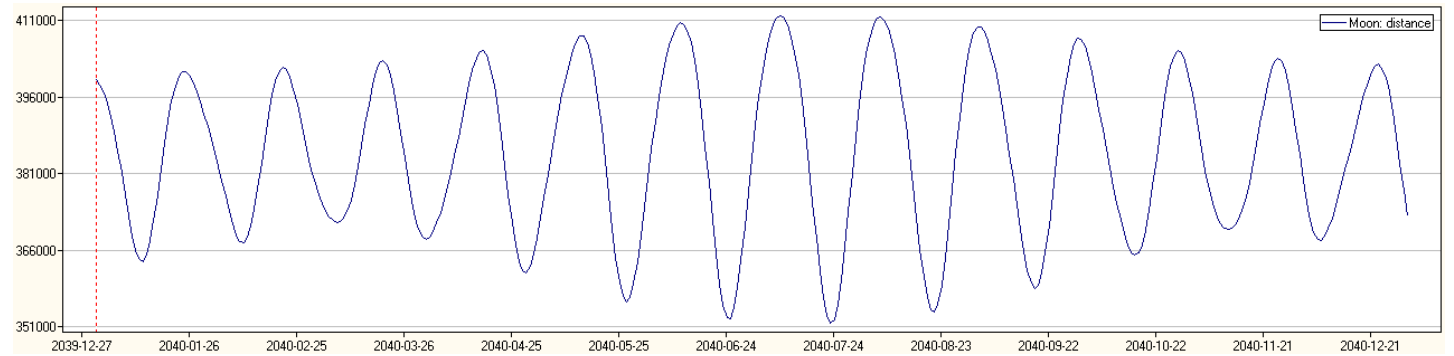
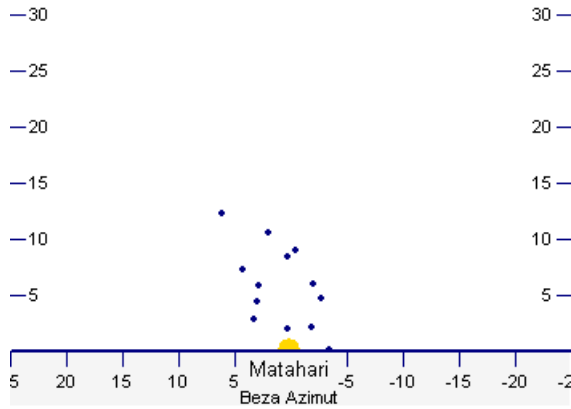
No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
528	2042-08-16	18:32:32	19:05:40	0:33:08	283° 44' 10"	283° 54' 17"	0° 10' 07"	7° 10' 13"	16:30:02	397053	Ramadan	1464
529	2042-09-14	18:20:32	18:23:09	0:02:37	273° 21' 45"	275° 01' 46"	1° 40' 01"	0° 19' 25"	1:29:11	403359	Syawal	1464
530	2042-10-14	18:06:40	18:14:51	0:08:11	261° 46' 16"	259° 33' 49"	-2° 12' 27"	1° 33' 07"	8:02:18	406343	Zulkaedah	1464
531	2042-11-13	18:01:49	18:17:57	0:16:08	251° 57' 54"	246° 42' 15"	-5° 15' 39"	3° 05' 12"	13:32:07	403041	Zulhijjah	1464
532	2042-12-13	18:09:48	18:45:22	0:35:34	246° 49' 28"	240° 32' 16"	-6° 17' 12"	6° 51' 05"	19:38:56	393899	Muharram	1465
533	2043-01-11	18:23:59	18:28:54	0:04:55	248° 12' 35"	243° 25' 23"	-4° 47' 12"	0° 41' 30"	3:29:33	386073	Safar	1465
534	2043-02-10	18:33:02	19:02:08	0:29:05	255° 42' 39"	254° 10' 27"	-1° 32' 12"	6° 05' 16"	13:24:11	372647	Rabiulawal	1465
535	2043-03-12	18:32:14	19:25:26	0:53:12	266° 47' 05"	271° 10' 13"	4° 23' 08"	12° 01' 11"	1d 1:21:48	361828	Rabiulakhir	1465
536	2043-04-10	18:27:58	18:57:55	0:29:56	278° 05' 57"	282° 33' 34"	4° 27' 37"	6° 18' 13"	15:20:11	357792	Jamadilawal	1465
537	2043-05-09	18:26:30	18:37:38	0:11:08	287° 32' 07"	291° 53' 49"	4° 21' 43"	1° 54' 35"	7:03:59	357007	Jamadilakhir	1465
538	2043-06-08	18:31:26	19:33:34	1:02:08	293° 01' 40"	298° 05' 04"	5° 03' 24"	12° 15' 15"	23:55:06	360699	Rejab	1465
539	2043-07-07	18:36:56	19:19:52	0:42:56	292° 43' 51"	295° 19' 38"	2° 35' 47"	8° 33' 26"	16:44:48	367255	Syaban	1465
540	2043-08-05	18:35:40	18:55:03	0:19:23	287° 04' 03"	288° 41' 28"	1° 37' 25"	3° 49' 45"	8:11:42	375917	Ramadan	1465
541	2043-09-04	18:25:16	19:00:58	0:35:41	277° 14' 10"	272° 55' 31"	-4° 18' 39"	7° 59' 41"	21:06:41	388331	Syawal	1465
542	2043-10-03	18:11:15	18:16:52	0:05:36	266° 03' 22"	263° 23' 14"	-2° 40' 08"	0° 58' 50"	6:57:49	396897	Zulkaedah	1465
543	2043-11-02	18:01:57	18:16:56	0:15:00	255° 14' 40"	249° 13' 05"	-6° 01' 35"	2° 54' 25"	14:03:09	404371	Zulhijjah	1465
544	2043-12-02	18:05:23	18:35:11	0:29:49	248° 01' 58"	241° 08' 09"	-6° 53' 48"	5° 44' 25"	19:27:05	405877	Muharram	1466
545	2044-01-01	18:18:47	19:06:24	0:47:36	246° 58' 28"	242° 25' 34"	-4° 32' 54"	9° 34' 36"	1d 0:29:26	400926	Safar	1466
546	2044-01-30	18:30:20	18:42:02	0:11:42	252° 18' 23"	249° 47' 08"	-2° 31' 14"	2° 10' 32"	6:24:35	395252	Rabiulawal	1466
547	2044-02-29	18:33:06	18:58:14	0:25:09	262° 24' 12"	264° 21' 42"	1° 57' 30"	5° 25' 53"	14:19:31	382759	Rabiulakhir	1466
548	2044-03-30	18:29:19	19:15:59	0:46:41	274° 11' 39"	281° 17' 58"	7° 06' 19"	10° 16' 08"	1d 1:02:07	369852	Jamadilawal	1466
549	2044-04-28	18:26:03	18:53:49	0:27:45	284° 33' 12"	290° 45' 31"	6° 12' 19"	5° 31' 50"	14:42:43	362920	Jamadilakhir	1466
550	2044-05-27	18:28:47	18:41:28	0:12:41	291° 36' 04"	296° 51' 52"	5° 15' 49"	2° 07' 34"	6:47:56	358453	Rejab	1466
551	2044-06-26	18:35:30	19:40:03	1:04:32	293° 29' 46"	295° 33' 56"	2° 04' 11"	13° 04' 22"	1d 0:09:57	356763	Syaban	1466
552	2044-07-25	18:37:38	19:18:57	0:41:19	289° 36' 44"	288° 38' 02"	-0° 58' 42"	8° 39' 09"	17:25:58	360294	Ramadan	1466
553	2044-08-23	18:30:18	18:46:35	0:16:17	281° 15' 28"	279° 20' 28"	-1° 54' 59"	3° 16' 55"	9:23:08	366855	Syawal	1466
554	2044-09-22	18:16:14	18:51:21	0:35:07	270° 03' 03"	261° 44' 37"	-8° 18' 25"	7° 45' 08"	23:11:32	378571	Zulkaedah	1466
555	2044-10-21	18:04:04	18:12:41	0:08:37	259° 01' 45"	253° 01' 49"	-5° 59' 56"	1° 32' 47"	10:26:23	387945	Zulhijjah	1466
556	2044-11-20	18:02:24	18:30:33	0:28:10	250° 07' 29"	242° 35' 18"	-7° 32' 11"	5° 27' 32"	19:03:22	398544	Muharram	1467
557	2044-12-20	18:13:07	19:00:29	0:47:22	246° 33' 01"	241° 22' 09"	-5° 10' 51"	9° 26' 21"	1d 1:18:42	404530	Safar	1467
558	2045-01-18	18:26:54	18:35:54	0:09:00	249° 35' 01"	247° 16' 18"	-2° 18' 43"	1° 35' 41"	6:00:09	406340	Rabiulawal	1467
559	2045-02-17	18:33:15	18:48:46	0:15:30	258° 15' 42"	259° 46' 46"	1° 31' 04"	3° 11' 27"	10:40:55	402040	Rabiulakhir	1467
560	2045-03-19	18:31:18	18:55:34	0:24:16	269° 46' 04"	275° 20' 25"	5° 34' 21"	5° 15' 14"	17:15:08	392403	Jamadilawal	1467
561	2045-04-18	18:26:48	19:15:46	0:48:58	281° 09' 48"	289° 42' 53"	8° 33' 05"	10° 20' 55"	1d 2:58:49	379588	Jamadilakhir	1467
562	2045-05-17	18:27:16	18:59:38	0:32:21	289° 37' 29"	295° 45' 31"	6° 08' 02"	6° 17' 10"	15:59:26	371154	Rejab	1467
563	2045-06-15	18:33:19	18:49:38	0:16:18	293° 30' 37"	297° 26' 13"	3° 55' 36"	2° 51' 30"	7:27:15	364002	Syaban	1467
564	2045-07-15	18:37:43	19:35:43	0:58:00	291° 34' 39"	289° 06' 41"	-2° 27' 58"	12° 19' 44"	1d 0:08:06	357200	Ramadan	1467

No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
565	2045-08-13	18:33:35	19:06:38	0:33:03	284° 35' 33"	279° 47' 24"	-4° 48' 09"	7° 07' 12"	16:53:12	357012	Syawal	1467
566	2045-09-11	18:21:33	18:31:06	0:09:33	274° 24' 00"	269° 31' 15"	-4° 52' 46"	1° 46' 11"	8:52:38	360210	Zulkaedah	1467
567	2045-10-11	18:08:00	18:44:25	0:36:25	262° 47' 53"	252° 24' 37"	-10° 23' 16"	7° 41' 14"	23:29:52	368910	Zulhijjah	1467
568	2045-11-09	18:01:19	18:16:12	0:14:53	252° 58' 45"	245° 58' 09"	-7° 00' 36"	2° 43' 25"	12:11:11	377578	Muharram	1468
569	2045-12-09	18:07:41	18:51:42	0:44:02	247° 06' 40"	241° 26' 10"	-5° 40' 30"	8° 40' 36"	22:25:04	389709	Safar	1468
570	2046-01-07	18:22:03	18:30:36	0:08:33	247° 40' 08"	245° 41' 06"	-1° 59' 03"	1° 27' 43"	5:56:36	398091	Rabiulawal	1468
571	2046-02-06	18:32:26	18:48:24	0:15:58	254° 31' 14"	256° 30' 45"	1° 59' 31"	3° 15' 34"	11:21:21	404845	Rabiulakhir	1468
572	2046-03-08	18:32:27	18:52:45	0:20:19	265° 18' 43"	270° 55' 17"	5° 36' 34"	4° 23' 16"	16:15:45	405632	Jamadilawal	1468
573	2046-04-07	18:27:55	19:00:18	0:32:23	277° 04' 11"	284° 56' 59"	7° 52' 48"	6° 56' 55"	22:34:53	400056	Jamadilakhir	1468
574	2046-05-06	18:26:35	18:33:31	0:06:56	286° 47' 38"	292° 18' 52"	5° 31' 14"	1° 08' 51"	7:29:18	393940	Rejab	1468
575	2046-06-05	18:30:49	19:11:40	0:40:52	292° 45' 29"	296° 15' 35"	3° 30' 06"	8° 05' 17"	19:07:12	380905	Syaban	1468
576	2046-07-04	18:36:45	18:55:12	0:18:27	293° 00' 11"	293° 34' 43"	0° 34' 33"	3° 27' 43"	8:56:38	372456	Ramadan	1468
577	2046-08-03	18:36:14	19:23:27	0:47:14	287° 31' 53"	280° 39' 22"	-6° 52' 31"	10° 24' 43"	1d 0:09:36	361670	Syawal	1468
578	2046-09-01	18:26:29	18:50:08	0:23:40	278° 13' 58"	270° 38' 36"	-7° 35' 22"	5° 01' 49"	15:59:55	357757	Zulkaedah	1468
579	2046-09-30	18:12:45	18:16:13	0:03:27	267° 07' 03"	260° 44' 39"	-6° 22' 24"	0° 24' 15"	7:46:03	357042	Zulhijjah	1468
580	2046-10-30	18:02:16	18:44:09	0:41:53	256° 07' 13"	246° 21' 09"	-9° 46' 04"	8° 29' 48"	22:44:02	361051	Muharram	1469
581	2046-11-28	18:03:49	18:25:57	0:22:07	248° 37' 37"	243° 28' 23"	-5° 09' 15"	4° 07' 05"	12:12:32	367779	Safar	1469
582	2046-12-28	18:17:08	19:08:25	0:51:16	246° 43' 51"	245° 43' 13"	-1° 00' 38"	10° 34' 18"	23:36:57	379702	Rabiulawal	1469
583	2047-01-26	18:29:21	18:42:36	0:13:15	251° 19' 22"	253° 25' 31"	2° 06' 09"	2° 33' 21"	8:44:12	389425	Rabiulakhir	1469
584	2047-02-25	18:33:22	18:54:23	0:21:01	260° 59' 52"	266° 57' 51"	5° 57' 59"	4° 31' 46"	16:06:04	399876	Jamadilawal	1469
585	2047-03-27	18:29:44	19:00:15	0:30:31	272° 43' 53"	280° 46' 41"	8° 02' 48"	6° 39' 45"	22:44:09	405313	Jamadilakhir	1469
586	2047-04-26	18:26:19	19:15:32	0:49:13	283° 41' 24"	291° 15' 47"	7° 34' 23"	10° 23' 23"	1d 5:45:09	404309	Rejab	1469
587	2047-05-25	18:28:26	18:52:08	0:23:41	291° 08' 15"	294° 44' 07"	3° 35' 52"	4° 36' 53"	13:59:36	400939	Syaban	1469
588	2047-06-24	18:35:02	19:22:31	0:47:28	293° 34' 38"	292° 16' 35"	-1° 18' 02"	9° 52' 53"	23:58:00	390357	Ramadan	1469
589	2047-07-23	18:37:50	18:55:35	0:17:46	290° 11' 27"	286° 33' 12"	-3° 38' 15"	3° 32' 09"	11:47:20	382251	Syawal	1469
590	2047-08-22	18:30:45	19:10:07	0:39:22	281° 50' 13"	271° 48' 34"	-10° 01' 39"	8° 47' 21"	1d 1:13:15	369382	Zulkaedah	1469
591	2047-09-20	18:17:40	18:36:31	0:18:51	271° 06' 54"	262° 23' 27"	-8° 43' 27"	3° 52' 28"	15:44:59	362558	Zulhijjah	1469
592	2047-10-19	18:04:54	18:07:06	0:02:12	260° 00' 27"	254° 02' 33"	-5° 57' 54"	0° 02' 57"	6:35:46	358181	Muharram	1470
593	2047-11-18	18:02:00	18:48:19	0:46:19	250° 45' 17"	244° 19' 31"	-6° 25' 46"	9° 15' 38"	21:01:50	356743	Safar	1470
594	2047-12-17	18:11:03	18:34:18	0:23:15	246° 37' 34"	245° 23' 26"	-1° 14' 08"	4° 24' 09"	10:31:36	360477	Rabiulawal	1470
595	2048-01-16	18:25:44	19:14:46	0:49:02	249° 02' 24"	253° 08' 51"	4° 06' 27"	10° 34' 31"	22:52:08	370036	Rabiulakhir	1470
596	2048-02-14	18:33:12	18:45:47	0:12:35	256° 58' 20"	262° 22' 27"	5° 24' 07"	2° 28' 44"	10:00:24	379495	Jamadilawal	1470
597	2048-03-15	18:31:38	18:59:47	0:28:08	268° 17' 02"	276° 12' 27"	7° 55' 26"	6° 08' 51"	20:02:37	391778	Jamadilakhir	1470
598	2048-04-14	18:27:11	19:14:44	0:47:33	279° 50' 35"	287° 32' 28"	7° 41' 53"	10° 16' 06"	1d 5:06:07	400905	Rejab	1470
599	2048-05-13	18:27:05	18:47:39	0:20:33	288° 45' 37"	292° 10' 31"	3° 24' 54"	4° 03' 08"	13:27:29	405237	Syaban	1470
600	2048-06-12	18:32:42	19:11:58	0:39:16	293° 22' 42"	292° 33' 37"	-0° 49' 05"	8° 06' 45"	21:41:22	404698	Ramadan	1470
601	2048-07-11	18:37:18	18:43:41	0:06:24	292° 07' 52"	289° 13' 17"	-2° 54' 34"	1° 05' 09"	6:31:51	401837	Syawal	1470

No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
602	2048-08-10	18:34:13	18:53:43	0:19:29	285° 24' 42"	278° 07' 44"	-7° 16' 58"	4° 06' 30"	16:34:01	391898	Zulkaedah	1470
603	2048-09-09	18:22:28	19:01:29	0:39:01	275° 03' 30"	263° 44' 59"	-11° 18' 32"	8° 42' 04"	1d 3:56:30	379083	Zulhijjah	1470
604	2048-10-08	18:08:34	18:30:03	0:21:30	263° 49' 23"	255° 56' 12"	-7° 53' 10"	4° 24' 09"	16:22:01	370628	Muharram	1471
605	2048-11-06	18:01:48	18:05:23	0:03:35	253° 46' 52"	250° 07' 40"	-3° 39' 12"	0° 24' 30"	5:22:05	363485	Safar	1471
606	2048-12-06	18:06:37	18:52:02	0:45:25	247° 23' 50"	245° 52' 47"	-1° 31' 03"	9° 11' 03"	18:35:08	356666	Rabiulawal	1471
607	2049-01-04	18:20:46	18:36:50	0:16:04	247° 20' 38"	250° 08' 00"	2° 47' 22"	2° 59' 54"	7:55:03	356770	Rabiulakhir	1471
608	2049-02-03	18:31:52	19:13:48	0:41:56	253° 41' 26"	261° 04' 26"	7° 23' 00"	9° 13' 18"	21:14:49	362028	Jamadirawal	1471
609	2049-03-04	18:32:47	18:45:18	0:12:31	263° 51' 34"	270° 21' 58"	6° 30' 25"	2° 27' 29"	10:20:02	369642	Jamadirakhir	1471
610	2049-04-03	18:28:34	19:07:50	0:39:16	275° 39' 10"	282° 46' 25"	7° 07' 16"	8° 32' 05"	22:48:09	381809	Rejab	1471
611	2049-05-02	18:26:00	18:41:32	0:15:32	285° 42' 16"	288° 42' 16"	3° 00' 00"	3° 00' 43"	10:13:41	391070	Syaban	1471
612	2049-06-01	18:29:38	19:08:15	0:38:37	292° 18' 01"	291° 36' 03"	-0° 41' 58"	8° 00' 40"	20:28:10	400535	Ramadan	1471
613	2049-06-30	18:36:25	18:41:10	0:04:45	293° 17' 50"	290° 05' 29"	-3° 12' 21"	0° 44' 59"	5:44:50	405410	Syawal	1471
614	2049-07-30	18:36:36	18:51:44	0:15:08	288° 28' 30"	281° 48' 56"	-6° 39' 34"	3° 05' 41"	14:28:06	405669	Zulkaedah	1471
615	2049-08-29	18:27:47	18:53:57	0:26:10	279° 13' 06"	269° 56' 55"	-9° 16' 11"	5° 45' 47"	23:07:52	399736	Zulhijjah	1471
616	2049-09-27	18:13:42	18:16:12	0:02:30	268° 10' 19"	262° 43' 48"	-5° 26' 31"	0° 15' 29"	8:07:23	393386	Muharram	1472
617	2049-10-27	18:03:09	18:32:01	0:28:52	257° 02' 05"	251° 50' 19"	-5° 11' 46"	5° 58' 44"	17:46:48	380286	Safar	1472
618	2049-11-25	18:03:04	18:09:56	0:06:52	249° 07' 41"	248° 58' 31"	-0° 09' 10"	1° 05' 34"	4:26:07	371701	Rabiulawal	1472
619	2049-12-25	18:15:15	18:53:47	0:38:32	246° 36' 33"	249° 41' 00"	3° 04' 27"	7° 56' 49"	16:22:15	360763	Rabiulakhir	1472

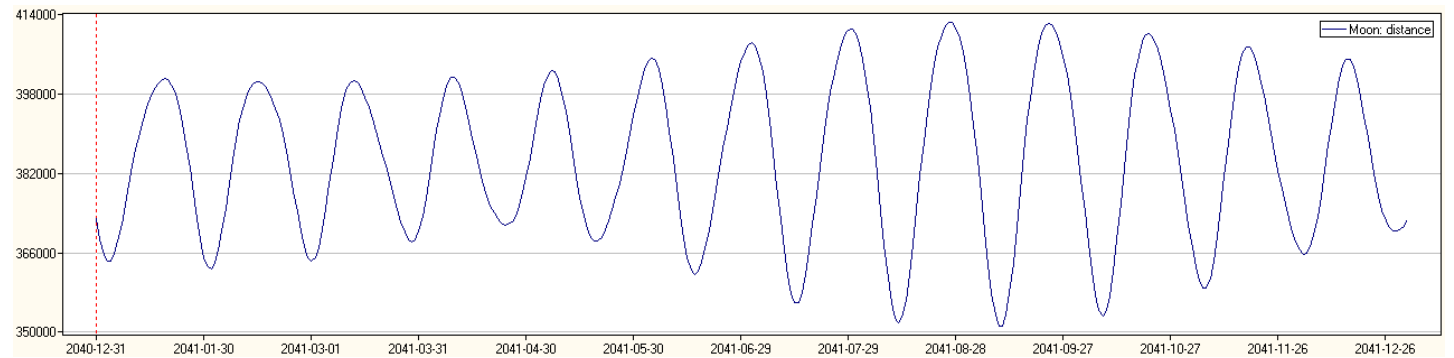
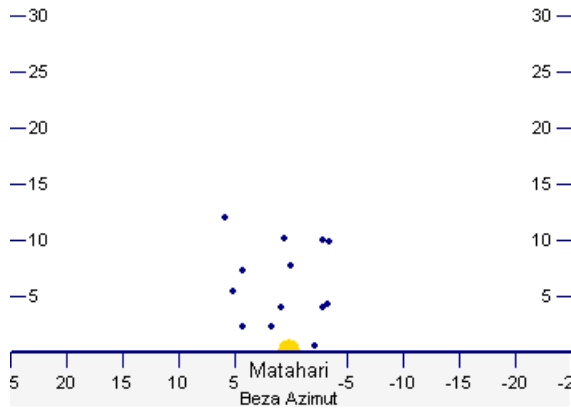
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2040-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



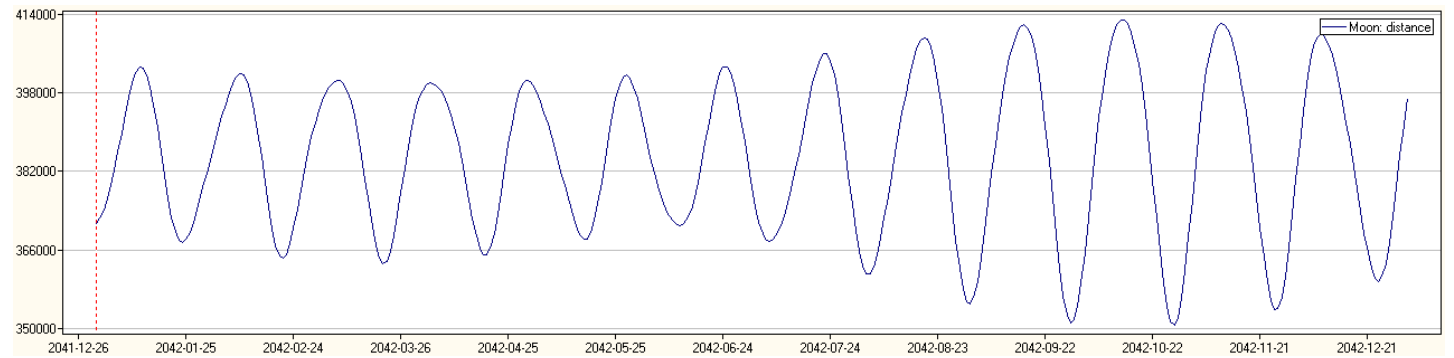
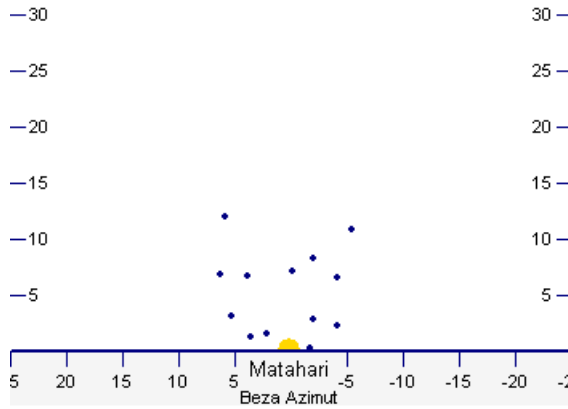
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2041-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



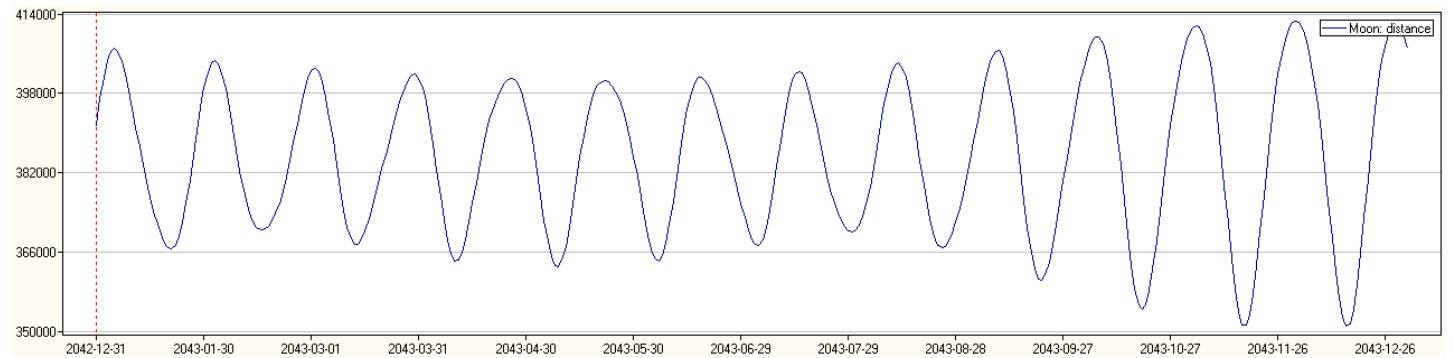
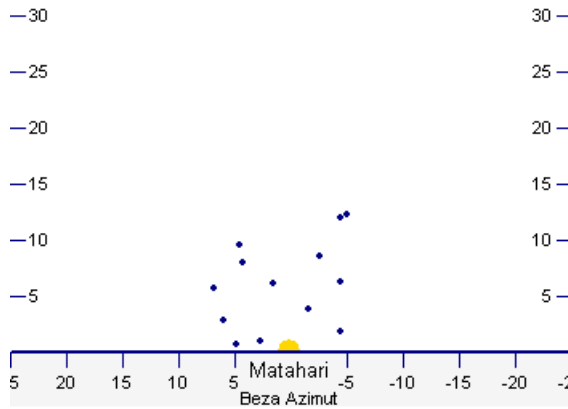
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2042-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



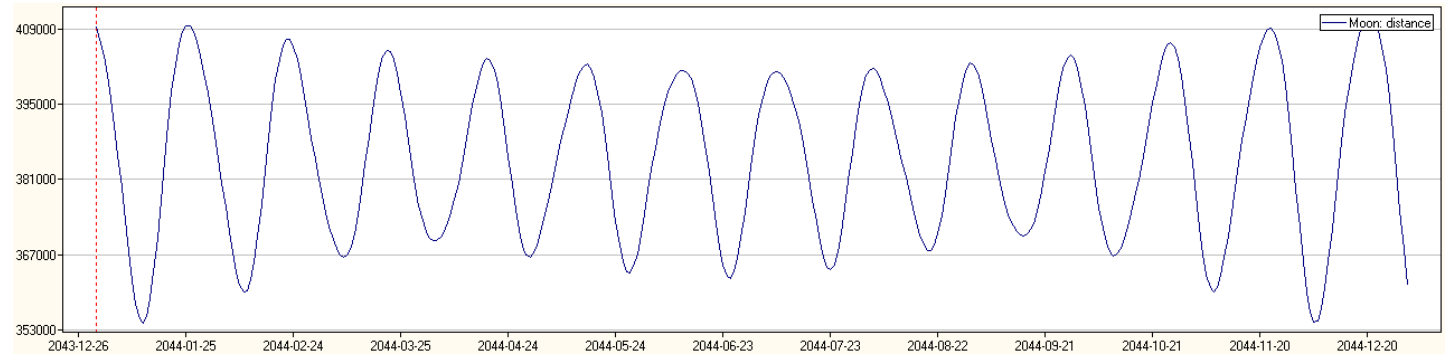
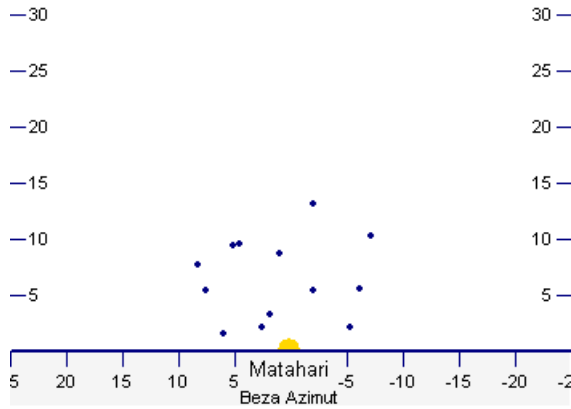
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2043-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



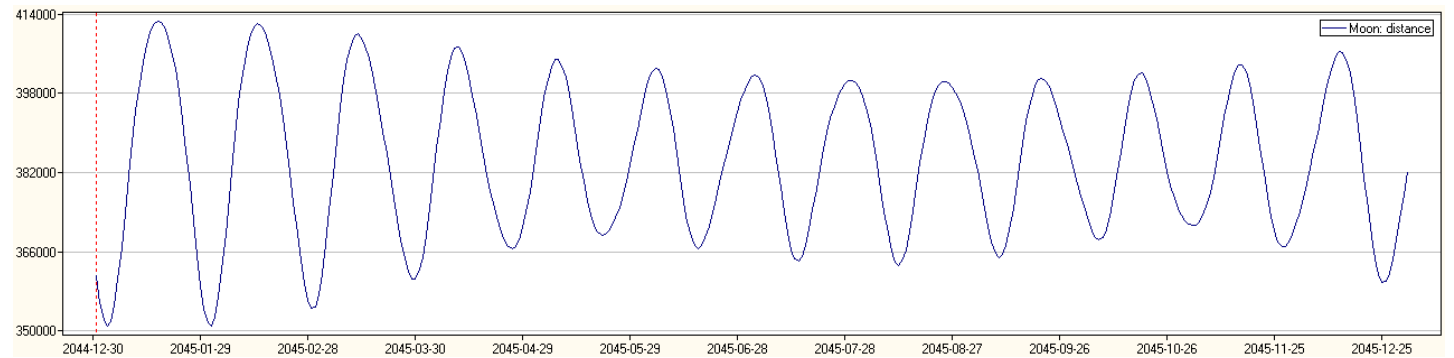
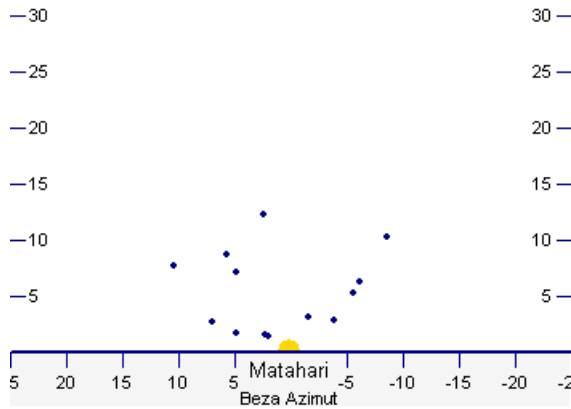
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2044-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



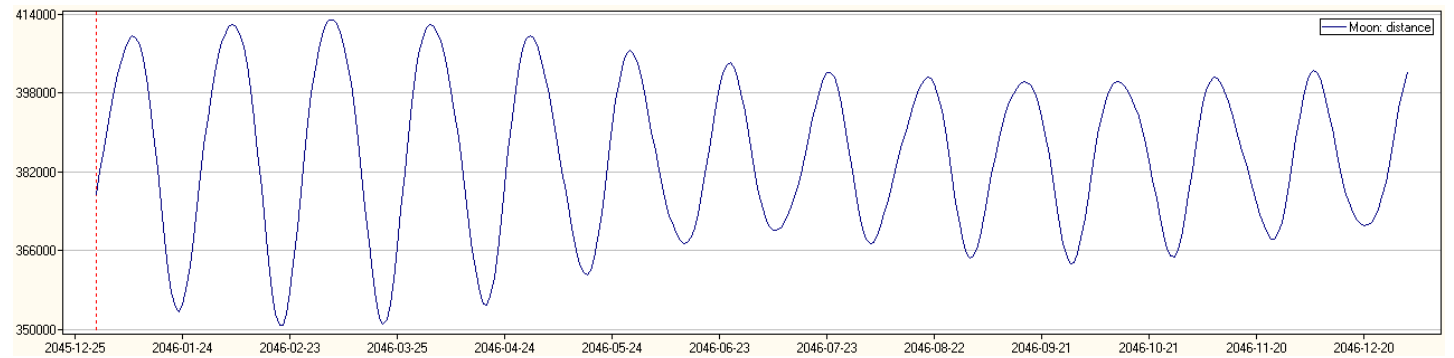
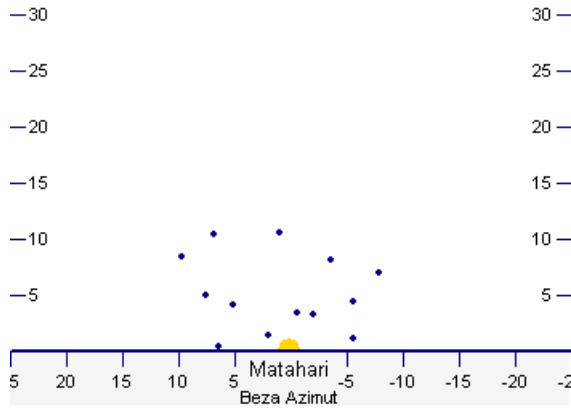
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2045-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



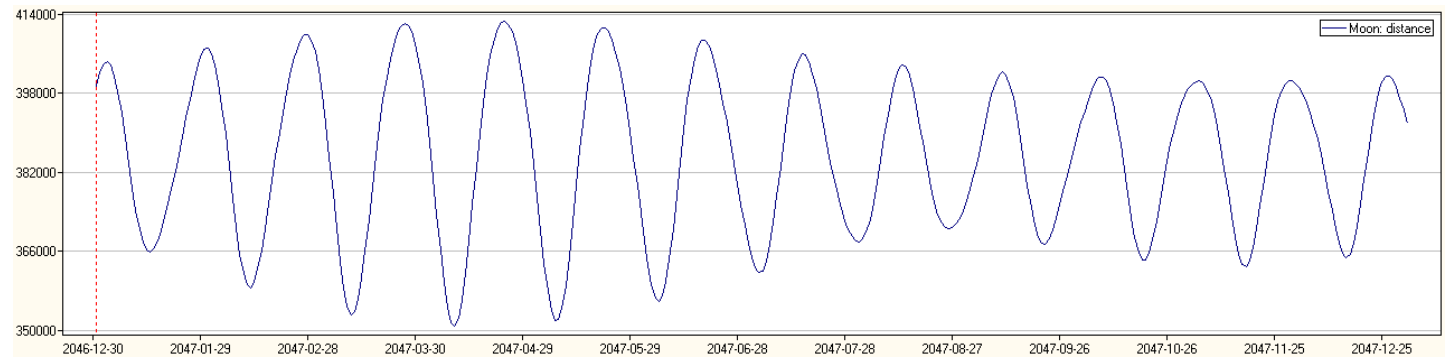
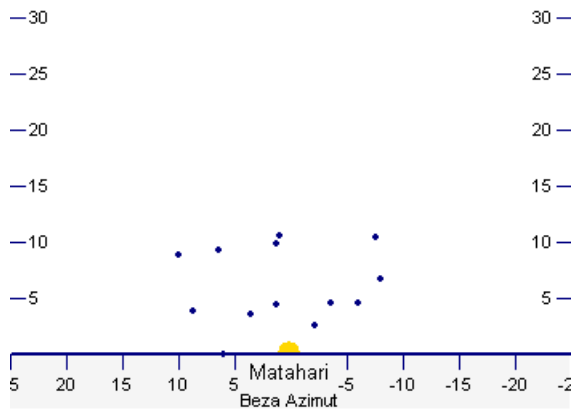
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2046-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



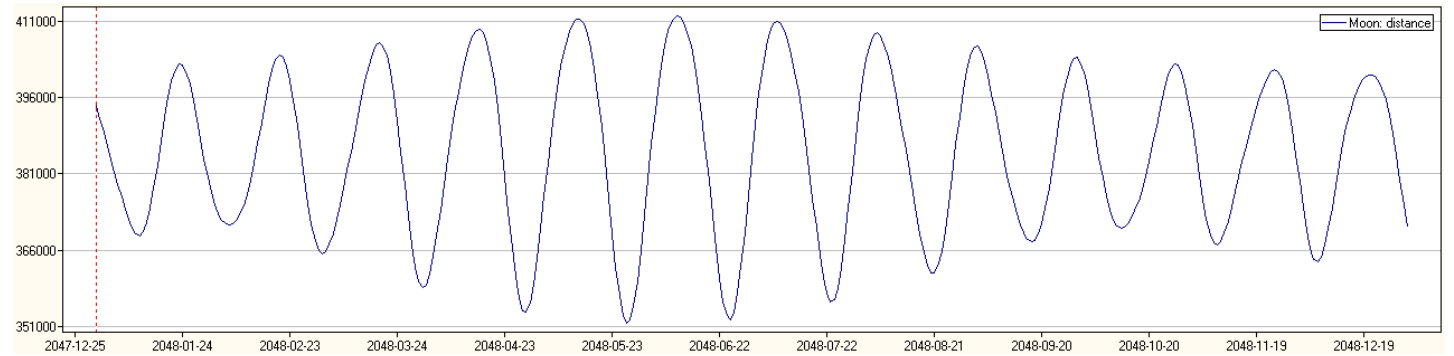
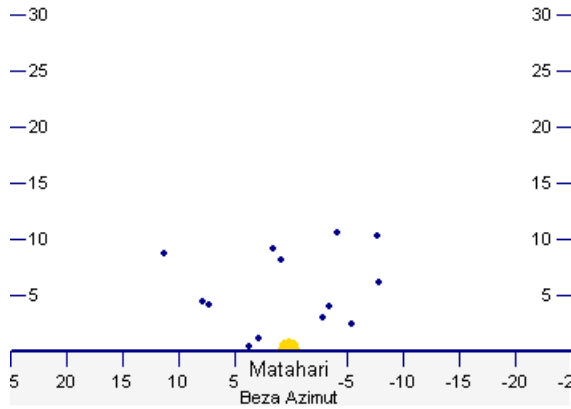
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2047-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



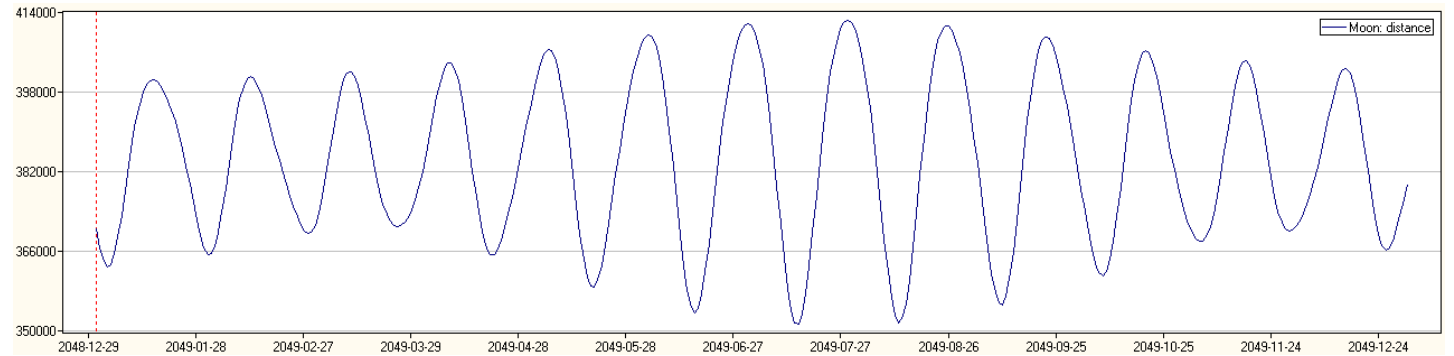
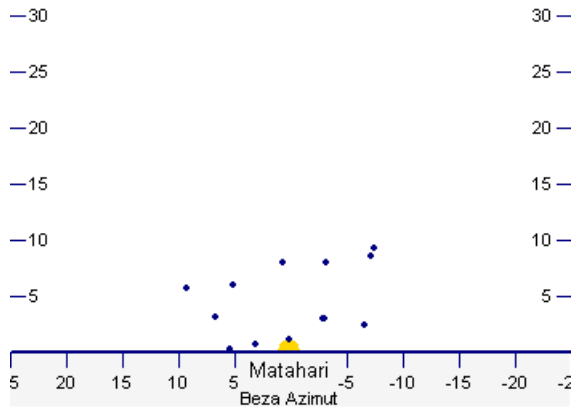
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2048-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2049-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



Jadual Kenampakan Pertama Anak Bulan

2050 – 2059

No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
620	2050-01-23	18:28:53	18:35:19	0:06:26	250° 39' 45"	255° 48' 42"	5° 08' 57"	1° 00' 54"	5:30:43	357289	Jamadalawal	1472
621	2050-02-22	18:33:47	19:10:03	0:36:16	259° 59' 50"	267° 50' 42"	7° 50' 52"	7° 57' 58"	19:29:07	357200	Jamadalakhir	1472
622	2050-03-23	18:30:42	18:44:15	0:13:33	271° 16' 06"	276° 24' 27"	5° 08' 21"	2° 38' 51"	9:48:38	361846	Rejab	1472
623	2050-04-22	18:26:31	19:16:59	0:50:28	282° 27' 30"	286° 20' 45"	3° 53' 15"	10° 51' 45"	23:59:34	371893	Syaban	1472
624	2050-05-21	18:28:03	18:55:10	0:27:07	290° 25' 50"	289° 42' 03"	-0° 43' 47"	5° 29' 47"	13:35:51	381192	Ramadan	1472
625	2050-06-20	18:34:11	19:23:52	0:49:41	293° 36' 11"	288° 14' 49"	-5° 21' 22"	10° 40' 18"	1d 2:11:06	393089	Syawal	1472
626	2050-07-19	18:37:57	18:53:03	0:15:05	290° 55' 05"	284° 27' 01"	-6° 28' 05"	3° 01' 38"	13:19:50	400621	Zulkaedah	1472
627	2050-08-18	18:31:57	18:58:26	0:26:28	283° 04' 02"	274° 24' 19"	-8° 39' 43"	5° 49' 50"	22:43:13	405544	Zulhijjah	1472
628	2050-09-17	18:18:48	18:59:16	0:40:28	272° 10' 06"	262° 58' 39"	-9° 11' 28"	9° 07' 05"	1d 6:28:13	404202	Muharram	1473
629	2050-10-16	18:06:12	18:22:49	0:16:37	261° 00' 41"	257° 15' 02"	-3° 45' 39"	3° 24' 30"	13:16:15	400597	Safar	1473
630	2050-11-15	18:01:27	18:41:08	0:39:41	251° 25' 24"	249° 56' 22"	-1° 29' 02"	8° 21' 07"	20:18:46	389819	Rabiulawal	1473
631	2050-12-14	18:09:55	18:18:50	0:08:55	246° 45' 30"	249° 56' 51"	3° 11' 21"	1° 33' 03"	4:50:33	381527	Rabiulakhir	1473
632	2051-01-13	18:24:52	18:55:09	0:30:17	248° 33' 14"	254° 15' 55"	5° 42' 41"	6° 19' 49"	15:25:25	368502	Jamadalawal	1473
633	2051-02-12	18:33:02	19:29:59	0:56:58	256° 23' 24"	264° 37' 19"	8° 13' 55"	12° 49' 31"	1d 3:50:12	359207	Jamadalakhir	1473
634	2051-03-13	18:32:20	19:05:53	0:33:33	267° 12' 37"	273° 00' 04"	5° 47' 27"	7° 18' 38"	17:38:36	356610	Rejab	1473
635	2051-04-11	18:27:23	18:43:01	0:15:39	278° 28' 49"	280° 27' 48"	1° 58' 59"	3° 04' 01"	8:26:53	357509	Syaban	1473
636	2051-05-11	18:26:41	19:23:56	0:57:15	288° 04' 23"	287° 38' 29"	-0° 25' 55"	12° 15' 20"	23:56:16	363531	Ramadan	1473
637	2051-06-09	18:31:52	19:04:42	0:32:50	293° 07' 02"	288° 42' 41"	-4° 24' 21"	6° 46' 15"	15:34:07	371337	Syawal	1473
638	2051-07-08	18:36:58	18:42:36	0:05:37	292° 36' 11"	287° 01' 46"	-5° 34' 25"	0° 53' 32"	6:26:29	380670	Zulkaedah	1473
639	2051-08-07	18:35:40	19:01:02	0:25:22	286° 30' 00"	278° 42' 05"	-7° 47' 55"	5° 28' 06"	19:29:21	392611	Zulhijjah	1473
640	2051-09-06	18:24:15	19:06:17	0:42:02	276° 27' 45"	267° 52' 49"	-8° 34' 57"	9° 32' 35"	1d 5:49:38	401406	Muharram	1474
641	2051-10-05	18:10:37	18:27:30	0:16:53	265° 15' 46"	261° 59' 52"	-3° 15' 54"	3° 32' 31"	13:22:23	405475	Safar	1474
642	2051-11-04	18:01:49	18:35:31	0:33:43	254° 36' 14"	253° 29' 32"	-1° 06' 42"	7° 14' 01"	19:01:05	404725	Rabiulawal	1474
643	2051-12-04	18:05:51	18:54:47	0:48:57	247° 44' 34"	249° 41' 41"	1° 57' 08"	10° 26' 59"	1d 0:27:33	397992	Rabiulakhir	1474
644	2052-01-02	18:19:26	18:30:17	0:10:52	247° 04' 26"	252° 04' 09"	4° 59' 43"	2° 01' 00"	7:12:31	391453	Jamadalawal	1474
645	2052-02-01	18:31:06	18:57:53	0:26:47	252° 53' 32"	258° 39' 59"	5° 46' 27"	5° 41' 32"	15:59:27	378391	Jamadalakhir	1474
646	2052-03-02	18:33:11	19:26:22	0:53:11	263° 11' 54"	269° 16' 59"	6° 05' 05"	12° 00' 54"	1d 2:56:02	366038	Rejab	1474
647	2052-03-31	18:29:07	19:02:40	0:33:33	274° 36' 14"	276° 54' 51"	2° 18' 37"	7° 16' 15"	16:00:44	360138	Syaban	1474
648	2052-04-29	18:26:16	18:41:59	0:15:43	284° 53' 04"	283° 17' 11"	-1° 35' 53"	3° 02' 30"	7:04:11	357208	Ramadan	1474
649	2052-05-29	18:29:35	19:27:49	0:58:13	291° 55' 34"	287° 49' 06"	-4° 06' 28"	12° 25' 46"	23:38:02	357983	Syawal	1474
650	2052-06-27	18:35:33	19:09:54	0:34:21	293° 26' 23"	287° 00' 51"	-6° 25' 32"	7° 09' 10"	16:44:20	363031	Zulkaedah	1474
651	2052-07-26	18:37:21	18:47:20	0:09:58	289° 21' 50"	283° 38' 42"	-5° 43' 08"	1° 49' 00"	9:05:08	370712	Zulhijjah	1474

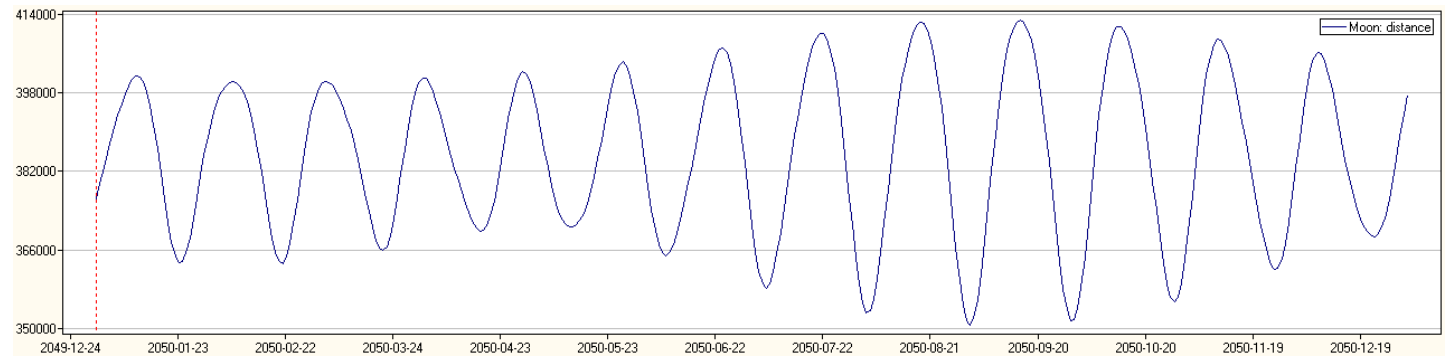
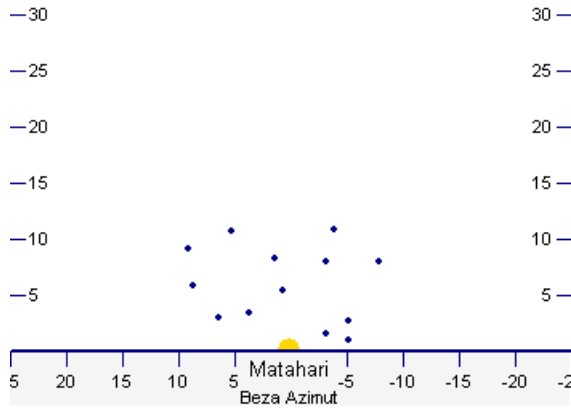
No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
652	2052-08-25	18:29:27	19:06:34	0:37:07	280° 32' 26"	273° 29' 28"	-7° 02' 58"	8° 16' 41"	23:21:20	382771	Muharram	1475
653	2052-09-23	18:15:24	18:30:40	0:15:16	269° 37' 43"	267° 13' 56"	-2° 23' 47"	3° 09' 32"	10:41:21	391786	Safar	1475
654	2052-10-23	18:03:47	18:38:35	0:34:48	258° 18' 40"	257° 13' 16"	-1° 05' 24"	7° 36' 48"	18:59:06	401067	Rabiulawal	1475
655	2052-11-21	18:02:32	18:05:36	0:03:04	249° 53' 46"	253° 48' 18"	3° 54' 32"	0° 25' 02"	0:58:43	405748	Rabiulakhir	1475
656	2052-12-21	18:13:41	18:22:53	0:09:12	246° 33' 19"	251° 17' 21"	4° 44' 02"	1° 41' 21"	5:57:15	405784	Jamadirawal	1475
657	2053-01-20	18:27:49	18:43:22	0:15:33	250° 02' 05"	254° 39' 41"	4° 37' 36"	3° 06' 39"	11:14:08	399539	Jamadirakhir	1475
658	2053-02-19	18:33:29	19:03:06	0:29:37	259° 00' 04"	262° 49' 39"	3° 49' 34"	6° 28' 22"	18:00:36	388342	Rejab	1475
659	2053-03-20	18:31:08	18:34:24	0:03:16	270° 11' 14"	270° 11' 56"	0° 00' 41"	0° 26' 08"	3:18:20	379978	Syaban	1475
660	2053-04-19	18:26:58	19:01:56	0:34:58	281° 31' 59"	280° 24' 00"	-1° 08' 00"	7° 32' 56"	15:37:16	367093	Ramadan	1475
661	2053-05-18	18:27:13	18:42:29	0:15:16	289° 50' 54"	285° 41' 37"	-4° 09' 18"	2° 54' 57"	6:42:52	361045	Syawal	1475
662	2053-06-17	18:33:48	19:29:34	0:55:46	293° 34' 05"	287° 40' 04"	-5° 54' 01"	11° 53' 04"	23:41:04	356459	Zulkaedah	1475
663	2053-07-16	18:37:50	19:11:36	0:33:46	291° 23' 55"	285° 11' 41"	-6° 12' 15"	7° 04' 39"	17:10:01	357955	Zulhijjah	1475
664	2053-08-14	18:33:29	18:48:02	0:14:33	284° 15' 54"	280° 22' 06"	-3° 53' 48"	2° 50' 42"	9:51:01	362674	Muharram	1476
665	2053-09-13	18:20:36	19:09:00	0:48:24	273° 36' 40"	268° 37' 21"	-4° 59' 19"	10° 56' 17"	1d 0:43:07	372721	Safar	1476
666	2053-10-12	18:07:28	18:34:54	0:27:25	262° 23' 57"	262° 15' 59"	-0° 07' 58"	5° 56' 10"	13:12:25	381792	Rabiulawal	1476
667	2053-11-11	18:01:33	18:50:04	0:48:31	252° 24' 52"	253° 04' 47"	0° 39' 55"	10° 33' 44"	23:04:42	393535	Rabiulakhir	1476
668	2053-12-10	18:08:06	18:20:34	0:12:28	247° 01' 18"	251° 21' 17"	4° 19' 59"	2° 22' 44"	6:26:12	401043	Jamadirawal	1476
669	2054-01-09	18:23:08	18:40:49	0:17:41	247° 57' 40"	251° 48' 17"	3° 50' 37"	3° 32' 59"	11:47:42	405895	Jamadirakhir	1476
670	2054-02-08	18:32:18	18:57:35	0:25:17	255° 09' 49"	257° 47' 33"	2° 37' 44"	5° 25' 00"	16:16:52	404353	Rejab	1476
671	2054-03-10	18:32:38	19:11:00	0:38:22	266° 07' 51"	267° 22' 17"	1° 14' 27"	8° 37' 46"	21:45:26	396753	Syaban	1476
672	2054-04-08	18:28:06	18:39:52	0:11:46	277° 28' 22"	274° 51' 06"	-2° 37' 16"	2° 20' 04"	5:54:10	389720	Ramadan	1476
673	2054-05-08	18:26:39	19:04:55	0:38:16	287° 21' 23"	284° 06' 59"	-3° 14' 24"	8° 13' 12"	17:24:36	376447	Syawal	1476
674	2054-06-06	18:31:09	18:45:48	0:14:39	292° 51' 56"	288° 07' 04"	-4° 44' 52"	2° 45' 45"	7:49:30	368544	Zulkaedah	1476
675	2054-07-06	18:37:02	19:30:16	0:53:14	292° 47' 54"	287° 13' 43"	-5° 34' 11"	11° 22' 11"	1d 0:01:42	359277	Zulhijjah	1476
676	2054-08-04	18:35:52	19:10:21	0:34:29	287° 14' 31"	283° 00' 39"	-4° 13' 52"	7° 19' 28"	16:46:31	356876	Muharram	1477
677	2054-09-02	18:26:03	18:44:48	0:18:45	277° 50' 45"	276° 45' 51"	-1° 04' 54"	3° 49' 55"	9:06:27	357771	Safar	1477
678	2054-10-01	18:11:47	18:15:22	0:03:35	266° 41' 51"	269° 35' 04"	2° 53' 12"	0° 28' 06"	0:21:00	362009	Rabiulawal	1477
679	2054-10-31	18:02:15	18:36:23	0:34:08	255° 47' 01"	257° 15' 30"	1° 28' 29"	7° 20' 48"	13:59:21	371531	Rabiulakhir	1477
680	2054-11-29	18:04:32	18:08:32	0:04:00	248° 27' 37"	252° 56' 41"	4° 29' 04"	0° 33' 43"	1:29:25	381044	Jamadirawal	1477
681	2054-12-29	18:17:08	18:35:36	0:18:28	246° 47' 04"	249° 45' 00"	2° 57' 55"	3° 38' 03"	10:23:46	393167	Jamadirakhir	1477
682	2055-01-28	18:29:58	18:58:21	0:28:23	251° 51' 41"	253° 30' 28"	1° 38' 47"	5° 59' 54"	16:49:07	402114	Rejab	1477
683	2055-02-27	18:33:31	19:11:36	0:38:05	261° 46' 40"	262° 11' 56"	0° 25' 16"	8° 31' 28"	21:52:55	405531	Syaban	1477
684	2055-03-28	18:29:58	18:36:57	0:06:59	273° 09' 19"	269° 52' 00"	-3° 17' 19"	1° 18' 20"	3:27:42	405234	Ramadan	1477
685	2055-04-27	18:26:22	18:48:28	0:22:06	284° 01' 46"	280° 24' 34"	-3° 37' 12"	4° 41' 11"	11:07:44	398102	Syawal	1477
686	2055-05-27	18:29:03	19:12:36	0:43:33	291° 29' 45"	288° 05' 37"	-3° 24' 08"	9° 15' 49"	21:30:25	386463	Zulkaedah	1477
687	2055-06-25	18:34:57	18:53:00	0:18:02	293° 32' 28"	290° 10' 01"	-3° 22' 27"	3° 28' 58"	10:17:50	378058	Zulhijjah	1477
688	2055-07-25	18:37:28	19:30:50	0:53:22	289° 44' 49"	285° 48' 53"	-3° 55' 56"	11° 32' 25"	1d 0:48:08	365611	Muharram	1478

No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
689	2055-08-23	18:30:07	19:06:45	0:36:38	281° 28' 21"	279° 42' 14"	-1° 46' 07"	7° 56' 42"	16:13:55	359769	Safar	1478
690	2055-09-21	18:16:59	18:38:11	0:21:12	270° 42' 03"	272° 06' 44"	1° 24' 41"	4° 25' 52"	7:55:55	356798	Rabiulawal	1478
691	2055-10-21	18:04:38	19:02:20	0:57:42	259° 16' 45"	257° 47' 36"	-1° 29' 09"	12° 47' 20"	23:13:37	357812	Rabiulakhir	1478
692	2055-11-19	18:02:18	18:35:39	0:33:21	250° 30' 52"	252° 12' 05"	1° 41' 13"	6° 56' 07"	13:26:41	362958	Jamadirawal	1478
693	2055-12-19	18:12:15	19:11:36	0:59:21	246° 34' 38"	246° 50' 44"	0° 16' 06"	12° 25' 24"	1d 1:55:18	373860	Jamadirakhir	1478
694	2056-01-17	18:25:59	18:49:20	0:23:21	249° 14' 37"	249° 41' 34"	0° 26' 57"	4° 40' 24"	12:13:50	383522	Rejab	1478
695	2056-02-16	18:33:05	19:12:51	0:39:46	257° 40' 34"	257° 13' 52"	-0° 26' 42"	8° 44' 14"	20:31:50	395178	Syaban	1478
696	2056-03-16	18:31:47	18:39:43	0:07:56	268° 42' 36"	265° 07' 24"	-3° 35' 12"	1° 30' 15"	3:37:54	402236	Ramadan	1478
697	2056-04-15	18:26:49	18:47:45	0:20:55	280° 12' 56"	276° 45' 26"	-3° 27' 30"	4° 29' 20"	10:34:46	406057	Syawal	1478
698	2056-05-15	18:26:49	19:00:56	0:34:08	289° 14' 11"	286° 36' 26"	-2° 37' 45"	7° 16' 54"	18:19:02	403543	Zulkaedah	1478
699	2056-06-13	18:32:56	18:35:04	0:02:08	293° 25' 58"	290° 59' 13"	-2° 26' 45"	0° 08' 03"	3:27:28	399316	Zulhijjah	1478
700	2056-07-13	18:37:25	19:04:18	0:26:53	291° 49' 48"	290° 40' 08"	-1° 09' 40"	5° 26' 05"	14:16:01	387718	Muharram	1479
701	2056-08-11	18:33:59	18:40:03	0:06:04	285° 05' 45"	286° 52' 25"	1° 46' 40"	0° 59' 01"	2:44:25	379198	Safar	1479
702	2056-09-10	18:21:41	19:01:01	0:39:20	274° 39' 05"	274° 27' 46"	-0° 11' 19"	8° 43' 52"	16:32:50	366328	Rabiulawal	1479
703	2056-10-09	18:08:26	18:29:03	0:20:36	263° 25' 46"	265° 57' 33"	2° 31' 48"	4° 18' 07"	7:06:28	360274	Rabiulakhir	1479
704	2056-11-08	18:01:43	18:55:24	0:53:41	253° 11' 03"	251° 47' 55"	-1° 23' 08"	11° 29' 26"	21:39:29	356000	Jamadirawal	1479
705	2056-12-07	18:07:28	18:34:25	0:26:57	247° 17' 34"	247° 44' 10"	0° 26' 36"	5° 17' 37"	11:34:49	357730	Jamadirakhir	1479
706	2057-01-06	18:21:37	19:20:26	0:58:49	247° 35' 04"	246° 24' 14"	-1° 10' 50"	12° 12' 31"	1d 0:30:46	365024	Rejab	1479
707	2057-02-04	18:31:37	18:59:08	0:27:31	253° 59' 54"	252° 06' 33"	-1° 53' 20"	5° 39' 03"	12:19:38	373436	Syaban	1479
708	2057-03-06	18:32:53	19:21:36	0:48:43	264° 39' 52"	263° 32' 30"	-1° 07' 22"	10° 59' 52"	23:06:35	385896	Ramadan	1479
709	2057-04-04	18:28:28	18:47:28	0:19:00	276° 03' 30"	272° 41' 59"	-3° 21' 31"	4° 02' 14"	8:55:31	394813	Syawal	1479
710	2057-05-04	18:26:23	18:59:27	0:33:04	286° 18' 50"	284° 38' 59"	-1° 39' 51"	7° 07' 10"	17:52:46	402896	Zulkaedah	1479
711	2057-06-03	18:30:21	19:19:15	0:48:54	292° 33' 51"	292° 06' 11"	-0° 27' 41"	10° 15' 17"	1d 2:17:45	405250	Zulhijjah	1479
712	2057-07-02	18:36:23	18:54:46	0:18:23	293° 08' 22"	293° 23' 27"	0° 15' 04"	3° 32' 48"	10:47:27	404227	Muharram	1480
713	2057-08-01	18:36:27	19:16:39	0:40:12	287° 57' 44"	288° 05' 45"	0° 08' 00"	8° 34' 11"	20:03:04	396185	Safar	1480
714	2057-08-30	18:26:57	18:44:11	0:17:14	278° 49' 53"	281° 35' 29"	2° 45' 36"	3° 31' 50"	6:30:50	388913	Rabiulawal	1480
715	2057-09-29	18:12:39	18:53:13	0:40:33	267° 22' 12"	267° 01' 26"	-0° 20' 46"	9° 05' 43"	18:10:55	375619	Rabiulakhir	1480
716	2057-10-28	18:02:31	18:19:17	0:16:46	256° 40' 26"	258° 30' 15"	1° 49' 49"	3° 21' 45"	6:41:52	367652	Jamadirawal	1480
717	2057-11-27	18:04:03	18:50:15	0:46:12	248° 45' 27"	246° 23' 38"	-2° 21' 49"	9° 25' 23"	19:40:00	358607	Jamadirakhir	1480
718	2057-12-26	18:15:53	18:35:16	0:19:23	246° 38' 56"	244° 54' 54"	-1° 44' 02"	3° 33' 12"	8:51:52	356469	Rejab	1480
719	2058-01-25	18:29:02	19:25:27	0:56:25	251° 09' 09"	248° 59' 30"	-2° 09' 39"	11° 52' 43"	22:13:15	358563	Syaban	1480
720	2058-02-23	18:33:44	19:02:13	0:28:30	260° 22' 59"	257° 30' 11"	-2° 52' 48"	6° 00' 44"	11:35:25	364446	Ramadan	1480
721	2058-03-24	18:30:05	18:33:58	0:03:53	271° 40' 32"	267° 13' 08"	-4° 27' 23"	0° 33' 21"	0:38:45	372902	Syawal	1480
722	2058-04-23	18:26:22	18:52:17	0:25:55	282° 48' 40"	281° 33' 32"	-1° 15' 08"	5° 30' 20"	12:55:46	385304	Zulkaedah	1480
723	2058-05-23	18:28:07	19:14:59	0:46:51	290° 49' 41"	291° 53' 27"	1° 03' 46"	9° 47' 13"	1d 0:03:13	396454	Zulhijjah	1480
724	2058-06-21	18:34:27	18:51:34	0:17:07	293° 36' 25"	294° 55' 15"	1° 18' 50"	3° 13' 29"	9:57:55	402869	Muharram	1481
725	2058-07-21	18:37:39	19:15:19	0:37:39	290° 31' 14"	291° 54' 10"	1° 22' 56"	7° 48' 51"	18:56:20	405677	Safar	1481

No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
726	2058-08-19	18:31:59	18:42:30	0:10:31	282° 43' 52"	286° 27' 54"	3° 44' 02"	2° 00' 00"	3:27:10	404943	Rabiulawal	1481
727	2058-09-18	18:18:16	18:43:43	0:25:26	271° 45' 34"	273° 09' 16"	1° 23' 42"	5° 34' 43"	11:59:10	397471	Rabiulakhir	1481
728	2058-10-18	18:05:18	18:45:34	0:40:15	260° 15' 21"	257° 59' 11"	-2° 16' 09"	8° 52' 29"	20:58:52	385752	Jamadilawal	1481
729	2058-11-16	18:01:39	18:13:22	0:11:43	251° 09' 39"	250° 40' 17"	-0° 29' 22"	2° 09' 00"	6:50:43	377246	Jamadilakhir	1481
730	2058-12-16	18:10:59	18:51:27	0:40:28	246° 39' 32"	242° 48' 56"	-3° 50' 36"	7° 55' 45"	17:57:38	364856	Rejab	1481
731	2059-01-14	18:24:47	18:39:26	0:14:39	248° 43' 34"	244° 58' 28"	-3° 45' 06"	2° 35' 00"	6:26:05	359293	Syaban	1481
732	2059-02-13	18:33:00	19:24:17	0:51:17	256° 44' 24"	254° 52' 32"	-1° 51' 52"	11° 07' 06"	20:04:07	355871	Ramadan	1481
733	2059-03-14	18:31:38	18:57:42	0:26:05	267° 36' 53"	265° 26' 48"	-2° 10' 05"	5° 33' 51"	10:24:31	358421	Syawal	1481
734	2059-04-13	18:27:21	19:22:45	0:55:24	279° 14' 21"	281° 37' 33"	2° 23' 12"	12° 15' 22"	1d 0:57:03	366661	Zulkaedah	1481
735	2059-05-12	18:26:48	18:57:37	0:30:49	288° 20' 42"	290° 00' 31"	1° 39' 49"	6° 17' 07"	15:09:58	375380	Zulhijjah	1481
736	2059-06-10	18:31:36	18:38:13	0:06:37	293° 11' 30"	295° 23' 37"	2° 12' 07"	1° 01' 44"	4:32:58	384963	Muharram	1482
737	2059-07-10	18:37:12	19:13:10	0:35:58	292° 21' 17"	294° 51' 57"	2° 30' 40"	7° 13' 04"	16:37:01	396095	Safar	1482
738	2059-08-08	18:35:07	18:44:45	0:09:39	286° 11' 38"	290° 15' 26"	4° 03' 49"	1° 45' 26"	2:55:50	402644	Rabiulawal	1482
739	2059-09-07	18:23:57	18:46:51	0:22:54	276° 04' 17"	277° 31' 47"	1° 27' 30"	4° 57' 40"	11:21:35	406022	Rabiulakhir	1482
740	2059-10-07	18:09:15	18:40:11	0:30:56	264° 27' 43"	262° 32' 41"	-1° 55' 02"	6° 51' 42"	18:17:48	403261	Jamadilawal	1482
741	2059-11-06	18:01:36	18:43:48	0:42:13	253° 58' 38"	248° 47' 06"	-5° 11' 32"	8° 53' 44"	1d 0:48:33	394820	Jamadilakhir	1482
742	2059-12-05	18:05:57	18:17:33	0:11:36	247° 35' 53"	244° 10' 02"	-3° 25' 51"	2° 01' 43"	8:15:06	387271	Rejab	1482

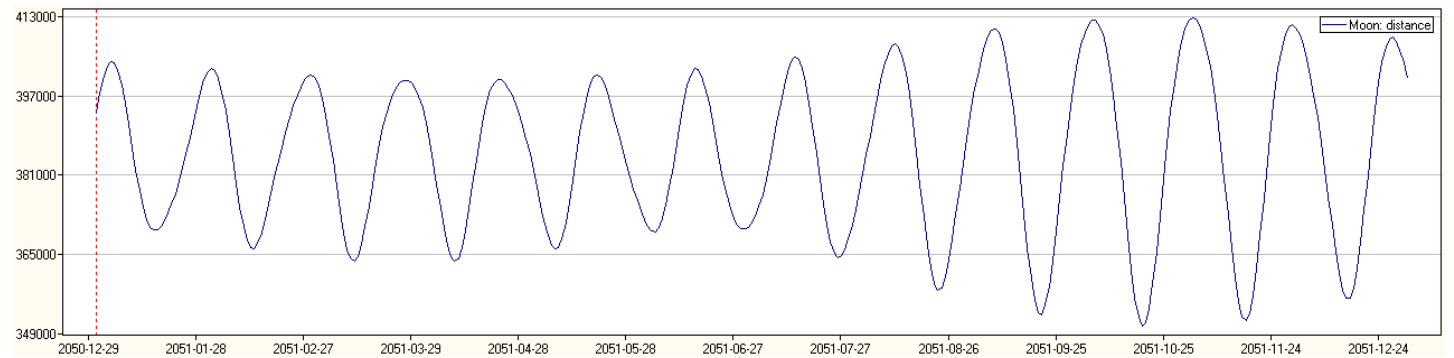
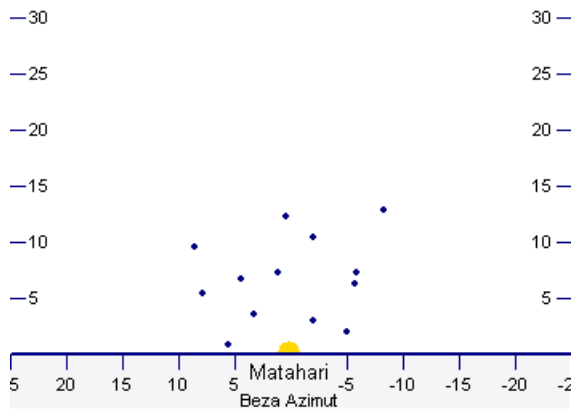
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2050-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



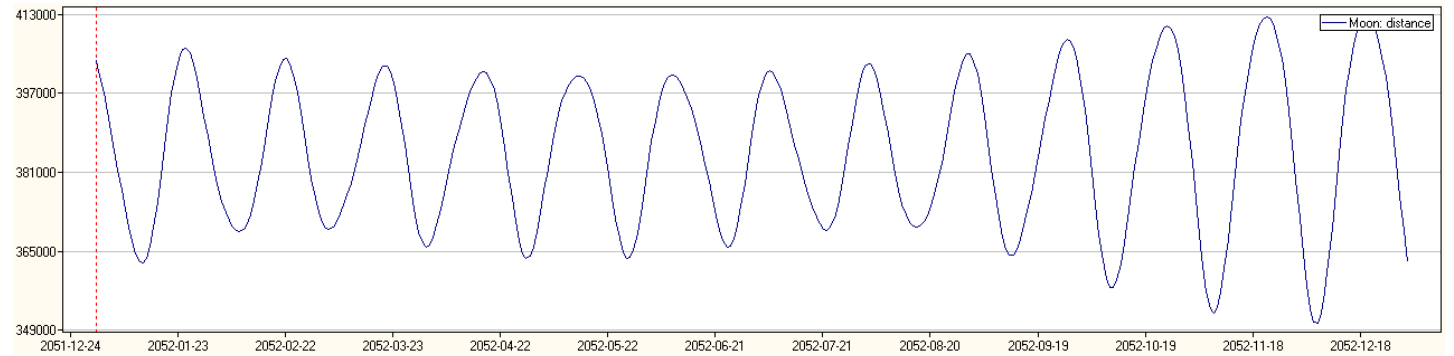
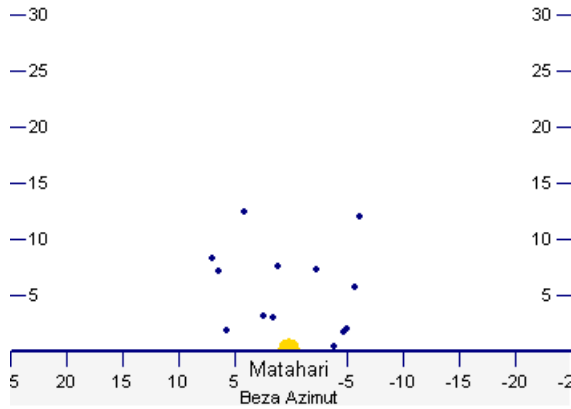
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2051-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



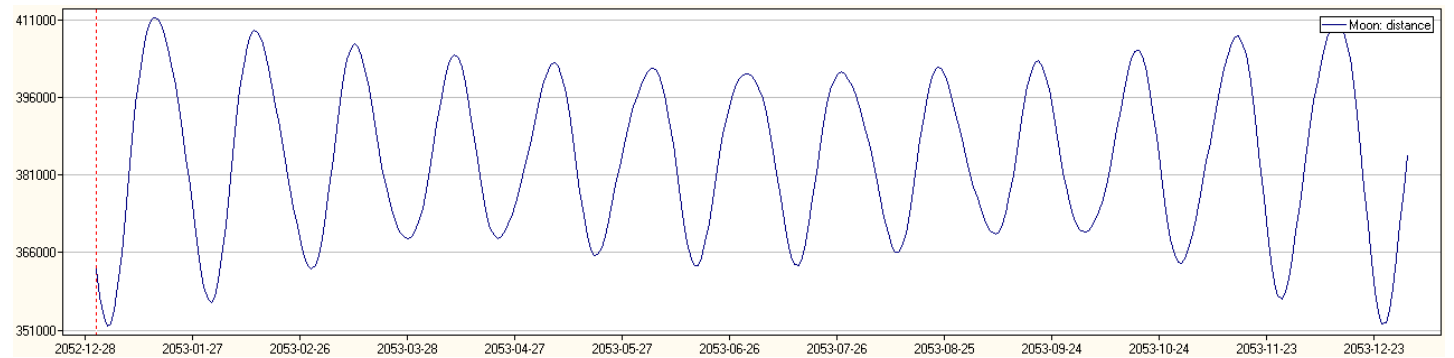
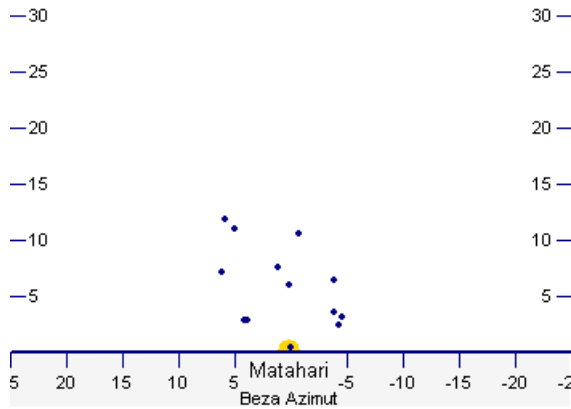
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2052-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



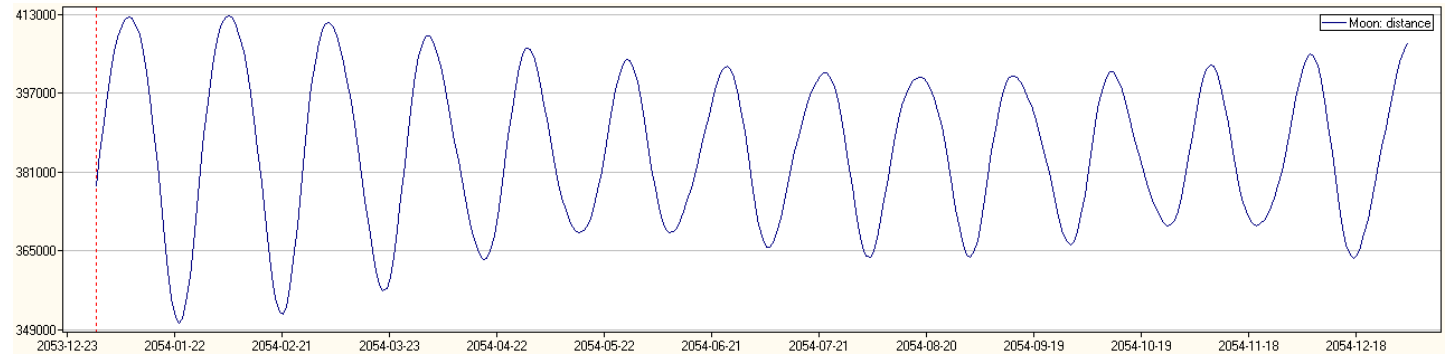
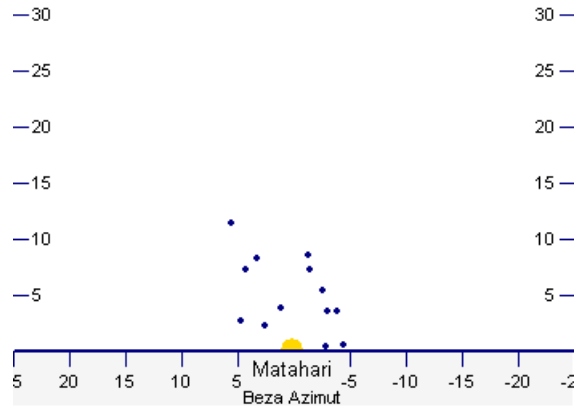
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Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



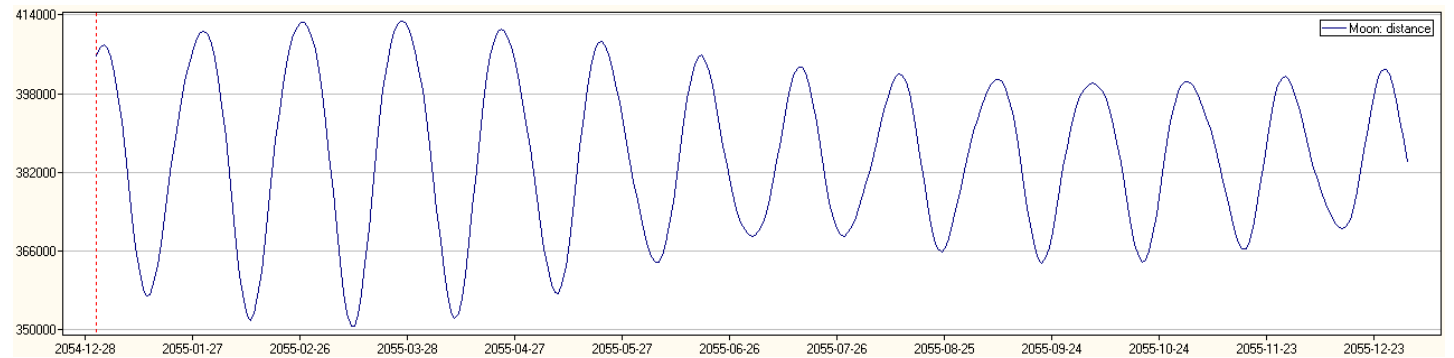
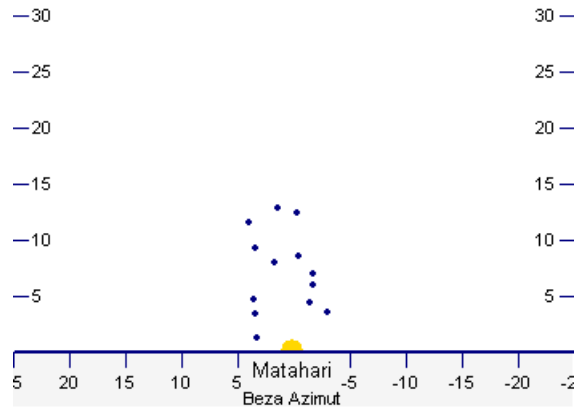
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2054-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



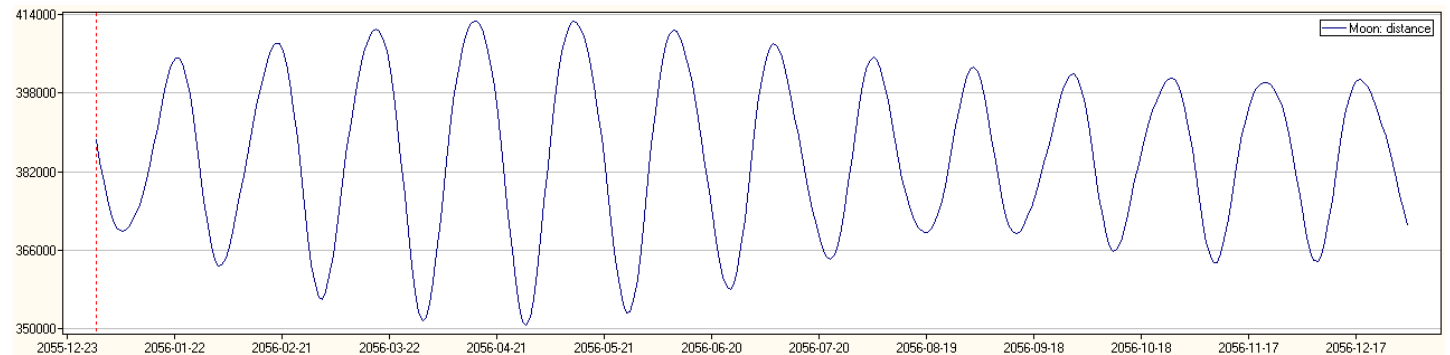
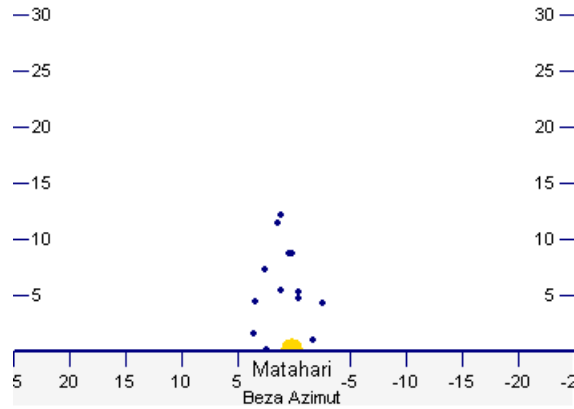
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2055-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



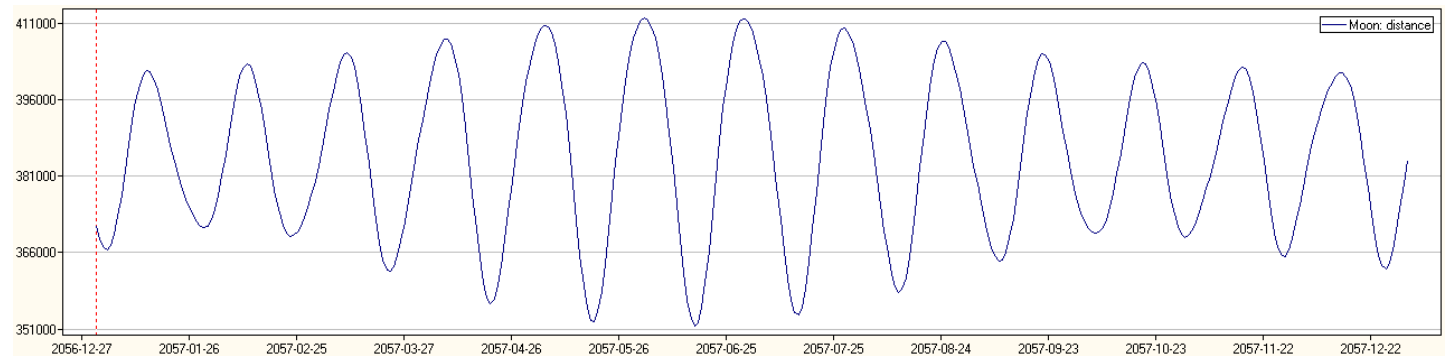
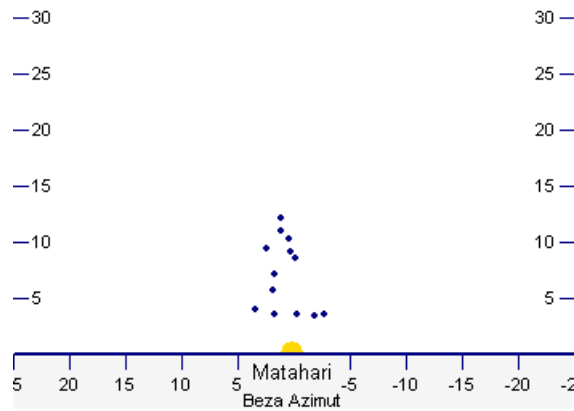
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2056-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



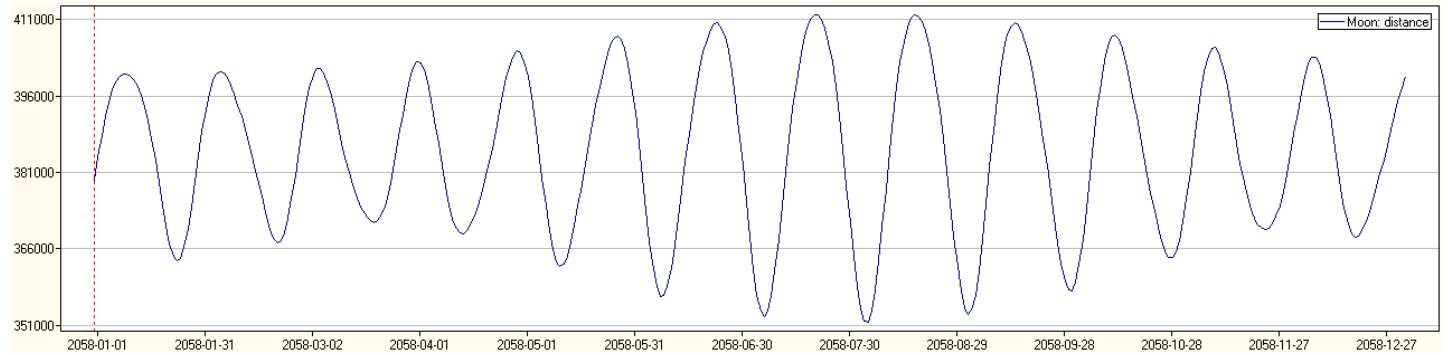
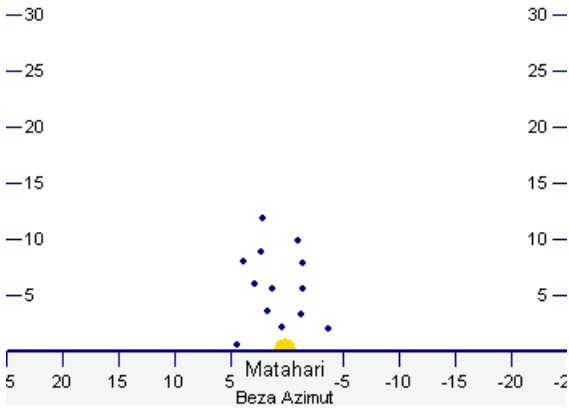
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2057-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



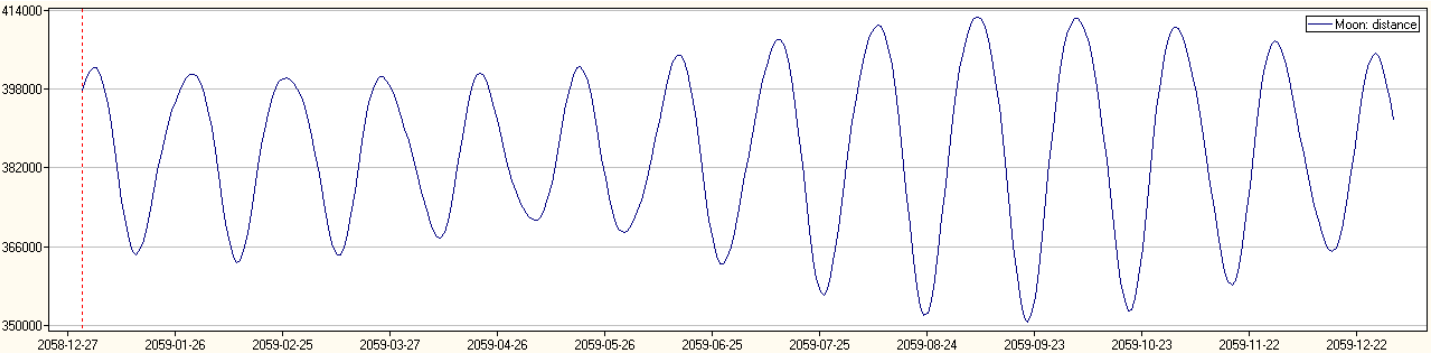
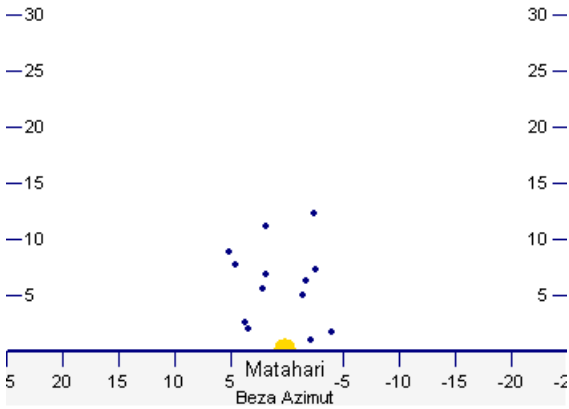
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2058-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2059-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



Jadual Kenampakan Pertama Anak Bulan

2060 – 2069

No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
743	2060-01-04	18:20:32	18:59:59	0:39:27	247° 16' 23"	242° 41' 14"	-4° 35' 09"	7° 44' 34"	17:38:40	373772	Syaban	1482
744	2060-02-02	18:31:23	18:43:59	0:12:36	253° 11' 38"	248° 53' 14"	-4° 18' 24"	2° 16' 00"	5:07:13	366015	Ramadan	1482
745	2060-03-03	18:32:48	19:16:30	0:43:42	263° 35' 52"	263° 24' 04"	-0° 11' 48"	9° 41' 04"	18:19:36	357772	Syawal	1482
746	2060-04-01	18:28:49	18:47:56	0:19:08	275° 00' 36"	274° 52' 03"	-0° 08' 33"	3° 55' 45"	8:49:35	356628	Zulkaedah	1482
747	2060-05-01	18:26:12	19:21:53	0:55:41	285° 30' 39"	290° 15' 21"	4° 44' 42"	11° 41' 32"	1d 0:13:42	360025	Zulhijjah	1482
748	2060-05-30	18:29:27	19:06:26	0:36:59	292° 04' 36"	295° 59' 12"	3° 54' 36"	7° 13' 30"	16:04:23	366318	Muharram	1483
749	2060-06-28	18:36:10	18:53:42	0:17:32	293° 23' 58"	297° 18' 50"	3° 54' 52"	3° 08' 56"	7:36:39	374732	Safar	1483
750	2060-07-28	18:37:17	19:25:51	0:48:34	288° 53' 27"	289° 45' 10"	0° 51' 43"	10° 19' 03"	21:46:04	386843	Rabiulawal	1483
751	2060-08-26	18:29:04	18:49:22	0:20:18	280° 10' 15"	281° 43' 45"	1° 33' 31"	4° 15' 30"	9:31:17	395426	Rabiulakhir	1483
752	2060-09-25	18:14:21	18:44:01	0:29:40	268° 49' 20"	266° 13' 59"	-2° 35' 21"	6° 36' 39"	18:19:18	403272	Jamadilawal	1483
753	2060-10-25	18:03:16	18:39:52	0:36:36	257° 35' 53"	251° 40' 31"	-5° 55' 23"	7° 50' 17"	1d 0:35:59	405576	Jamadilakhir	1483
754	2060-11-23	18:03:08	18:05:59	0:02:51	249° 28' 00"	245° 48' 57"	-3° 39' 04"	0° 19' 06"	5:45:34	404442	Rejab	1483
755	2060-12-23	18:14:53	18:34:07	0:19:14	246° 34' 33"	241° 25' 41"	-5° 08' 52"	3° 31' 58"	11:33:36	396246	Syaban	1483
756	2061-01-22	18:28:29	19:09:57	0:41:28	250° 29' 55"	247° 10' 13"	-3° 19' 43"	8° 33' 24"	19:10:34	383898	Ramadan	1483
757	2061-02-20	18:33:29	18:44:32	0:11:03	259° 22' 50"	256° 35' 08"	-2° 47' 42"	2° 04' 27"	5:00:22	375433	Syawal	1483
758	2061-03-22	18:30:39	19:05:31	0:34:52	271° 00' 00"	273° 22' 54"	2° 22' 54"	7° 40' 03"	17:05:48	363735	Zulkaedah	1483
759	2061-04-20	18:26:48	18:38:35	0:11:47	281° 53' 51"	284° 22' 07"	2° 28' 16"	2° 10' 12"	7:20:25	359025	Zulhijjah	1483
760	2061-05-20	18:27:54	19:25:30	0:57:36	290° 17' 47"	296° 13' 08"	5° 55' 22"	11° 29' 49"	23:23:24	356671	Muharram	1484
761	2061-06-18	18:33:32	19:17:00	0:43:28	293° 34' 56"	297° 46' 59"	4° 12' 03"	8° 24' 15"	16:28:44	359515	Safar	1484
762	2061-07-17	18:38:00	19:02:57	0:24:57	291° 13' 19"	294° 21' 19"	3° 07' 59"	4° 47' 15"	9:25:55	365509	Rabiulawal	1484
763	2061-08-15	18:32:55	18:37:29	0:04:34	283° 55' 36"	287° 12' 25"	3° 16' 49"	0° 39' 37"	0:51:51	373827	Rabiulakhir	1484
764	2061-09-14	18:20:21	18:43:08	0:22:47	273° 12' 23"	270° 52' 35"	-2° 19' 48"	4° 55' 48"	13:41:20	386187	Jamadilawal	1484
765	2061-10-14	18:06:48	18:40:41	0:33:52	261° 37' 44"	254° 48' 54"	-6° 48' 50"	7° 19' 23"	23:23:45	397311	Jamadilakhir	1484
766	2061-11-12	18:01:16	18:03:51	0:02:36	252° 07' 06"	247° 48' 10"	-4° 18' 55"	0° 15' 43"	6:19:44	403634	Rejab	1484
767	2061-12-12	18:09:30	18:25:17	0:15:47	246° 52' 06"	241° 12' 24"	-5° 39' 42"	2° 51' 10"	11:35:15	406367	Syaban	1484
768	2062-01-11	18:23:36	18:55:15	0:31:39	248° 15' 45"	244° 13' 11"	-4° 02' 34"	6° 18' 10"	16:29:21	402597	Ramadan	1484
769	2062-02-10	18:32:33	19:15:12	0:42:39	255° 49' 39"	255° 55' 43"	0° 06' 04"	9° 21' 46"	22:20:06	393296	Syawal	1484
770	2062-03-11	18:32:02	18:41:25	0:09:24	266° 32' 17"	266° 54' 22"	0° 22' 06"	1° 47' 48"	6:17:05	385603	Zulkaedah	1484
771	2062-04-10	18:27:48	18:57:56	0:30:08	278° 14' 31"	283° 22' 26"	5° 07' 55"	6° 23' 07"	17:09:03	372392	Zulhijjah	1484
772	2062-05-09	18:26:30	18:36:26	0:09:55	287° 38' 22"	292° 22' 04"	4° 43' 42"	1° 40' 40"	7:02:09	365036	Muharram	1485
773	2062-06-08	18:31:38	19:32:41	1:01:03	293° 03' 47"	298° 03' 08"	4° 59' 21"	12° 00' 39"	23:17:57	357410	Safar	1485
774	2062-07-07	18:37:00	19:21:55	0:44:56	292° 40' 59"	294° 49' 23"	2° 08' 24"	8° 58' 08"	16:42:27	356540	Rabiulawal	1485

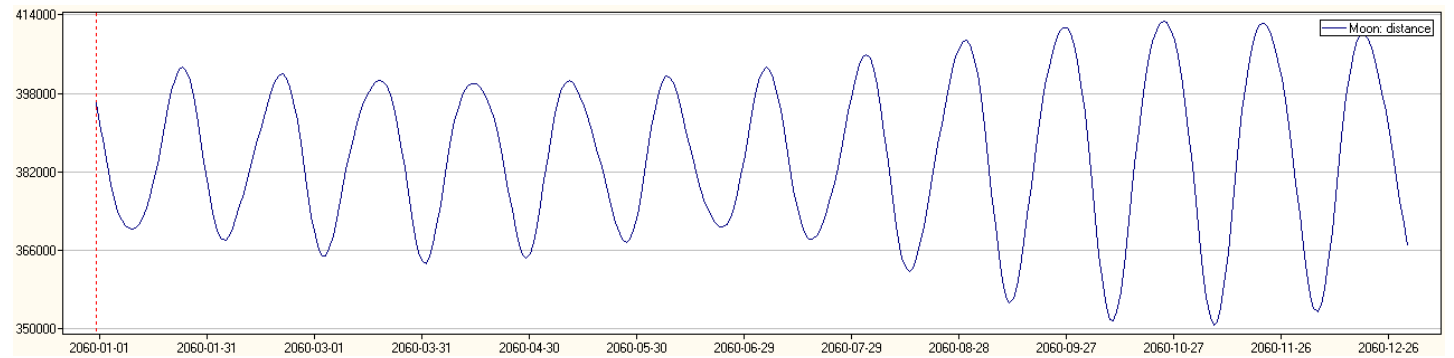
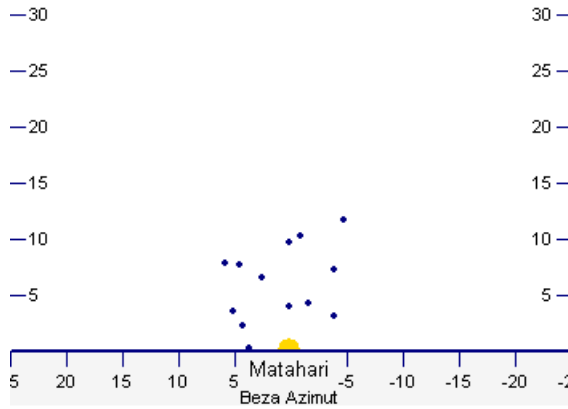
No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
775	2062-08-05	18:35:56	18:59:39	0:23:44	286° 57' 37"	287° 26' 57"	0° 29' 20"	4° 46' 10"	9:53:51	359261	Rabiulakhir	1485
776	2062-09-04	18:25:03	19:13:01	0:47:59	277° 04' 54"	269° 58' 23"	-7° 06' 31"	10° 51' 19"	1d 1:41:01	367659	Jamadilawal	1485
777	2062-10-03	18:11:20	18:32:35	0:21:15	265° 54' 15"	259° 58' 27"	-5° 55' 48"	4° 27' 21"	15:20:00	376276	Jamadilakhir	1485
778	2062-11-02	18:01:58	18:44:20	0:42:22	255° 07' 16"	245° 37' 45"	-9° 29' 31"	8° 41' 03"	1d 2:27:34	388650	Rejab	1485
779	2062-12-01	18:04:56	18:18:42	0:13:46	248° 07' 20"	242° 01' 41"	-6° 05' 40"	2° 26' 35"	11:02:24	397036	Syaban	1485
780	2062-12-31	18:18:37	18:50:19	0:31:42	246° 55' 55"	242° 33' 43"	-4° 22' 12"	6° 12' 58"	17:19:58	404110	Ramadan	1485
781	2063-01-30	18:30:32	19:10:11	0:39:39	252° 25' 01"	252° 17' 20"	-0° 07' 41"	8° 32' 44"	22:05:37	405362	Syawal	1485
782	2063-02-28	18:33:15	18:34:46	0:01:31	262° 10' 27"	262° 24' 21"	0° 13' 54"	0° 00' 42"	2:53:39	403651	Zulkaedah	1485
783	2063-03-30	18:29:38	18:39:56	0:10:17	273° 57' 45"	277° 59' 45"	4° 02' 00"	2° 00' 04"	9:38:09	394879	Zulhijjah	1485
784	2063-04-29	18:26:30	19:00:19	0:33:49	284° 41' 11"	291° 36' 18"	6° 55' 07"	6° 53' 36"	19:32:34	382325	Muharram	1486
785	2063-05-28	18:28:49	18:44:40	0:15:51	291° 39' 45"	296° 58' 51"	5° 19' 06"	2° 48' 41"	8:39:58	373785	Safar	1486
786	2063-06-27	18:35:37	19:36:46	1:01:09	293° 28' 36"	295° 10' 50"	1° 42' 14"	12° 25' 38"	1d 0:08:16	362368	Rabiulawal	1486
787	2063-07-26	18:37:12	19:16:22	0:39:10	289° 30' 33"	288° 05' 07"	-1° 25' 26"	8° 11' 26"	16:40:21	358037	Rabiulakhir	1486
788	2063-08-24	18:30:03	18:45:47	0:15:44	281° 06' 53"	278° 29' 20"	-2° 37' 33"	3° 07' 42"	9:10:50	356981	Jamadilawal	1486
789	2063-09-23	18:15:55	18:58:20	0:42:25	269° 53' 27"	259° 49' 43"	-10° 03' 45"	9° 20' 25"	1d 0:52:41	360622	Jamadilakhir	1486
790	2063-10-22	18:04:23	18:25:04	0:20:41	258° 53' 55"	250° 58' 13"	-7° 55' 42"	4° 05' 08"	15:16:17	366897	Rejab	1486
791	2063-11-21	18:02:24	18:57:29	0:55:05	250° 02' 21"	240° 47' 55"	-9° 14' 26"	10° 53' 54"	1d 3:51:16	378392	Syaban	1486
792	2063-12-20	18:12:39	18:39:20	0:26:42	246° 33' 20"	241° 54' 55"	-4° 38' 25"	5° 04' 06"	14:07:08	387700	Ramadan	1486
793	2064-01-19	18:27:13	19:08:16	0:41:03	249° 40' 17"	249° 30' 49"	-0° 09' 28"	8° 40' 39"	21:48:35	398313	Syawal	1486
794	2064-02-17	18:33:38	18:35:12	0:01:33	258° 03' 26"	258° 57' 00"	0° 53' 33"	0° 01' 13"	3:29:00	404348	Zulkaedah	1486
795	2064-03-18	18:31:03	18:38:21	0:07:19	269° 31' 13"	273° 48' 39"	4° 17' 26"	1° 22' 45"	8:44:11	406317	Zulhijjah	1486
796	2064-04-17	18:27:06	18:46:29	0:19:23	280° 57' 27"	287° 32' 19"	6° 34' 52"	3° 55' 36"	15:23:30	401854	Muharram	1487
797	2064-05-17	18:27:20	19:14:20	0:47:00	289° 42' 44"	296° 02' 51"	6° 20' 08"	9° 26' 59"	1d 0:30:25	391793	Safar	1487
798	2064-06-15	18:33:02	18:58:30	0:25:28	293° 30' 46"	296° 46' 31"	3° 15' 44"	4° 50' 21"	12:10:32	383664	Rabiulawal	1487
799	2064-07-14	18:37:54	18:39:59	0:02:05	291° 40' 27"	293° 18' 47"	1° 38' 21"	0° 02' 43"	1:50:09	375176	Rabiulakhir	1487
800	2064-08-13	18:33:23	19:03:19	0:29:56	284° 27' 48"	279° 18' 01"	-5° 09' 48"	6° 25' 55"	16:42:31	363464	Jamadilawal	1487
801	2064-09-11	18:21:17	18:28:29	0:07:12	274° 14' 41"	269° 06' 16"	-5° 08' 25"	1° 14' 28"	8:08:46	358791	Jamadilakhir	1487
802	2064-10-11	18:07:51	18:47:34	0:39:43	262° 38' 58"	251° 42' 01"	-10° 56' 57"	8° 20' 37"	23:32:10	356809	Rejab	1487
803	2064-11-09	18:01:16	18:24:38	0:23:22	252° 52' 08"	245° 19' 27"	-7° 32' 41"	4° 26' 07"	14:14:34	359749	Syaban	1487
804	2064-12-09	18:08:05	19:12:44	1:04:39	247° 04' 58"	241° 25' 24"	-5° 39' 34"	12° 56' 24"	1d 3:37:36	368538	Ramadan	1487
805	2065-01-07	18:22:13	18:53:44	0:31:31	247° 43' 24"	247° 04' 47"	-0° 38' 37"	6° 20' 19"	15:05:30	377537	Syawal	1487
806	2065-02-06	18:32:17	19:15:29	0:43:12	254° 38' 27"	259° 30' 01"	4° 51' 34"	9° 36' 42"	1d 0:28:20	390109	Zulkaedah	1487
807	2065-03-07	18:32:30	18:39:15	0:06:45	265° 04' 31"	269° 46' 37"	4° 42' 06"	1° 14' 24"	8:15:34	398554	Zulhijjah	1487
808	2065-04-06	18:28:28	18:46:10	0:17:42	276° 51' 05"	283° 41' 50"	6° 50' 45"	3° 38' 31"	15:25:38	405047	Muharram	1488
809	2065-05-06	18:26:17	19:03:54	0:37:37	286° 53' 46"	293° 22' 24"	6° 28' 37"	7° 42' 01"	22:54:08	405224	Safar	1488
810	2065-06-04	18:30:51	18:41:32	0:10:41	292° 41' 36"	296° 03' 51"	3° 22' 15"	1° 52' 18"	7:24:11	402636	Rabiulawal	1488
811	2065-07-04	18:37:04	19:09:23	0:32:19	292° 58' 06"	291° 51' 16"	-1° 06' 50"	6° 36' 11"	17:19:29	392880	Rabiulakhir	1488

No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
812	2065-08-02	18:36:14	18:39:40	0:03:26	287° 40' 59"	285° 27' 09"	-2° 13' 49"	0° 27' 54"	4:48:17	385041	Jamadilawal	1488
813	2065-09-01	18:26:32	18:49:41	0:23:09	278° 05' 21"	270° 00' 31"	-8° 04' 50"	4° 57' 39"	17:45:18	371849	Jamadilakhir	1488
814	2065-09-30	18:12:35	18:14:59	0:02:24	266° 57' 42"	260° 32' 00"	-6° 25' 43"	0° 08' 23"	7:46:28	364530	Rejab	1488
815	2065-10-30	18:02:10	18:44:04	0:41:54	255° 59' 30"	246° 34' 20"	-9° 25' 09"	8° 29' 43"	22:11:56	357229	Syaban	1488
816	2065-11-28	18:03:52	18:29:06	0:25:15	248° 33' 36"	243° 49' 52"	-4° 43' 44"	4° 44' 27"	12:22:08	356475	Ramadan	1488
817	2065-12-28	18:17:04	19:20:21	1:03:17	246° 45' 00"	246° 38' 36"	-0° 06' 23"	13° 12' 09"	1d 1:47:48	360941	Syawal	1488
818	2066-01-26	18:29:24	18:57:10	0:27:46	251° 25' 29"	255° 06' 21"	3° 40' 52"	5° 47' 29"	14:13:23	368131	Zulkaedah	1488
819	2066-02-25	18:33:27	19:17:01	0:43:33	261° 08' 58"	269° 34' 54"	8° 25' 56"	9° 48' 52"	1d 1:40:53	380396	Zulhijjah	1488
820	2066-03-26	18:29:47	18:43:25	0:13:37	272° 29' 36"	279° 10' 21"	6° 40' 45"	2° 43' 51"	12:14:15	389864	Muharram	1489
821	2066-04-25	18:26:28	19:01:34	0:35:07	283° 29' 47"	290° 05' 49"	6° 36' 02"	7° 19' 21"	21:54:59	399755	Safar	1489
822	2066-05-24	18:28:13	18:36:44	0:08:31	291° 01' 26"	294° 05' 42"	3° 04' 16"	1° 28' 07"	6:47:54	404835	Rabiulawal	1489
823	2066-06-23	18:35:05	19:01:12	0:26:07	293° 35' 19"	292° 44' 12"	-0° 51' 07"	5° 14' 37"	15:17:54	405534	Rabiulakhir	1489
824	2066-07-23	18:37:39	19:14:25	0:36:47	290° 05' 56"	283° 50' 48"	-6° 15' 09"	8° 00' 53"	1d 0:02:01	400191	Jamadilawal	1489
825	2066-08-21	18:31:16	18:36:47	0:05:30	282° 02' 27"	276° 13' 19"	-5° 49' 08"	0° 57' 06"	9:39:28	394401	Jamadilakhir	1489
826	2066-09-20	18:17:01	18:41:32	0:24:31	270° 56' 50"	261° 30' 28"	-9° 26' 22"	5° 15' 13"	20:27:38	381802	Rejab	1489
827	2066-10-19	18:04:46	18:09:52	0:05:07	259° 51' 52"	253° 53' 44"	-5° 58' 08"	0° 46' 34"	8:20:14	373219	Syaban	1489
828	2066-11-18	18:01:56	18:46:33	0:44:37	250° 39' 44"	244° 58' 57"	-5° 40' 47"	8° 58' 25"	20:54:00	361876	Ramadan	1489
829	2066-12-17	18:11:36	18:33:18	0:21:42	246° 37' 25"	246° 05' 40"	-0° 31' 45"	4° 05' 22"	9:52:08	357590	Syawal	1489
830	2067-01-16	18:26:02	19:19:07	0:53:05	249° 07' 16"	254° 01' 13"	4° 53' 57"	11° 28' 53"	23:07:20	356677	Zulkaedah	1489
831	2067-02-14	18:32:59	18:53:40	0:20:41	257° 06' 15"	263° 27' 47"	6° 21' 32"	4° 17' 27"	12:33:45	360768	Zulhijjah	1489
832	2067-03-16	18:31:39	19:18:23	0:46:44	268° 26' 40"	277° 45' 32"	9° 18' 52"	10° 23' 57"	1d 2:00:56	370519	Muharram	1490
833	2067-04-14	18:27:18	18:50:56	0:23:38	279° 37' 44"	285° 36' 18"	5° 58' 34"	4° 51' 19"	15:01:46	379645	Safar	1490
834	2067-05-14	18:26:57	19:20:50	0:53:53	288° 51' 07"	292° 11' 13"	3° 20' 06"	11° 16' 57"	1d 3:04:22	391597	Rabiulawal	1490
835	2067-06-12	18:32:34	18:56:53	0:24:20	293° 20' 22"	292° 24' 35"	-0° 55' 47"	4° 50' 45"	13:49:41	399335	Rabiulakhir	1490
836	2067-07-12	18:37:50	19:13:58	0:36:08	292° 04' 49"	286° 08' 37"	-5° 56' 12"	7° 46' 53"	23:19:43	404964	Jamadilawal	1490
837	2067-08-10	18:34:45	18:37:02	0:02:17	285° 35' 29"	280° 02' 13"	-5° 33' 16"	0° 13' 38"	7:56:13	406422	Jamadilakhir	1490
838	2067-09-09	18:22:36	18:36:22	0:13:47	275° 16' 45"	267° 23' 05"	-7° 53' 40"	2° 50' 48"	16:11:41	401596	Rejab	1490
839	2067-10-09	18:08:40	18:42:22	0:33:43	263° 40' 37"	254° 55' 25"	-8° 45' 12"	7° 15' 05"	1d 0:38:40	391394	Syaban	1490
840	2067-11-07	18:01:46	18:14:18	0:12:32	253° 40' 01"	250° 01' 28"	-3° 38' 33"	2° 19' 32"	9:45:45	383086	Ramadan	1490
841	2067-12-07	18:06:58	18:51:59	0:45:01	247° 21' 39"	246° 33' 41"	-0° 47' 59"	9° 12' 54"	20:00:11	369691	Syawal	1490
842	2068-01-05	18:21:04	18:35:28	0:14:25	247° 23' 35"	250° 42' 53"	3° 19' 19"	2° 40' 27"	7:41:03	362736	Zulkaedah	1490
843	2068-02-04	18:31:36	19:13:44	0:42:07	253° 48' 12"	261° 21' 26"	7° 33' 15"	9° 14' 46"	20:45:08	356517	Zulhijjah	1490
844	2068-03-04	18:32:56	18:48:24	0:15:28	264° 01' 05"	270° 37' 15"	6° 36' 10"	3° 05' 38"	10:53:14	356894	Muharram	1491
845	2068-04-03	18:28:39	19:21:06	0:52:27	275° 48' 37"	283° 10' 11"	7° 21' 34"	11° 27' 17"	1d 1:35:24	362422	Safar	1491
846	2068-05-02	18:26:02	18:59:50	0:33:47	285° 49' 25"	288° 40' 42"	2° 51' 17"	6° 58' 37"	16:17:08	369865	Rabiulawal	1491
847	2068-05-31	18:29:34	18:40:38	0:11:04	292° 13' 08"	291° 15' 43"	-0° 57' 25"	1° 58' 22"	6:24:19	379076	Rabiulakhir	1491
848	2068-06-30	18:36:32	19:10:09	0:33:36	293° 16' 01"	287° 50' 05"	-5° 25' 56"	7° 04' 25"	19:23:12	391272	Jamadilawal	1491

No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
849	2068-07-29	18:36:46	18:38:29	0:01:43	288° 37' 09"	283° 04' 30"	-5° 32' 39"	0° 02' 48"	6:40:00	399328	Jamadilakhir	1491
850	2068-08-28	18:28:01	18:41:42	0:13:41	279° 25' 47"	271° 51' 09"	-7° 34' 38"	2° 50' 06"	15:57:42	405356	Rejab	1491
851	2068-09-27	18:13:52	18:41:59	0:28:07	268° 01' 28"	260° 10' 27"	-7° 51' 01"	6° 08' 41"	23:23:39	405229	Syaban	1491
852	2068-10-26	18:03:17	18:06:28	0:03:10	257° 14' 30"	254° 46' 37"	-2° 27' 53"	0° 26' 36"	5:44:16	402390	Ramadan	1491
853	2068-11-25	18:03:09	18:26:07	0:22:58	249° 03' 23"	248° 55' 27"	-0° 07' 56"	4° 35' 47"	12:19:01	392413	Syawal	1491
854	2068-12-25	18:15:24	18:58:43	0:43:19	246° 37' 28"	250° 11' 56"	3° 34' 27"	9° 07' 57"	20:29:08	379410	Zulkaedah	1491
855	2069-01-23	18:28:37	18:37:10	0:08:33	250° 45' 02"	256° 10' 22"	5° 25' 19"	1° 30' 27"	6:50:19	371154	Zulhijjah	1491
856	2069-02-22	18:33:40	19:08:26	0:34:46	260° 08' 28"	267° 35' 54"	7° 27' 26"	7° 37' 40"	19:14:48	360745	Muharram	1492
857	2069-03-23	18:30:37	18:44:03	0:13:26	271° 25' 33"	276° 01' 17"	4° 35' 44"	2° 36' 32"	9:15:29	357402	Safar	1492
858	2069-04-22	18:26:31	19:23:28	0:56:58	282° 35' 34"	286° 00' 02"	3° 24' 27"	12° 16' 34"	1d 0:25:55	357543	Rabiulawal	1492
859	2069-05-21	18:27:39	19:06:14	0:38:35	290° 29' 55"	289° 09' 36"	-1° 20' 19"	7° 58' 43"	16:19:40	362069	Rabiulakhir	1492
860	2069-06-19	18:33:51	18:48:25	0:14:33	293° 35' 27"	289° 12' 39"	-4° 22' 48"	2° 43' 27"	8:18:00	369455	Jamadilawal	1492
861	2069-07-19	18:38:01	19:16:58	0:38:58	290° 50' 24"	282° 22' 17"	-8° 28' 08"	8° 29' 26"	23:22:58	381484	Jamadilakhir	1492
862	2069-08-17	18:32:06	18:43:26	0:11:21	283° 15' 25"	276° 28' 07"	-6° 47' 18"	2° 14' 18"	12:26:59	390700	Rejab	1492
863	2069-09-16	18:18:55	18:48:23	0:29:28	272° 23' 47"	264° 59' 45"	-7° 24' 02"	6° 31' 20"	22:41:33	400307	Syaban	1492
864	2069-10-15	18:06:12	18:10:43	0:04:31	261° 13' 52"	259° 14' 03"	-1° 59' 49"	0° 44' 56"	6:00:53	405157	Ramadan	1492
865	2069-11-14	18:01:51	18:21:13	0:19:22	251° 35' 25"	251° 48' 31"	0° 13' 06"	3° 55' 36"	11:22:07	405663	Syawal	1492
866	2069-12-14	18:09:54	18:41:39	0:31:45	246° 44' 11"	249° 56' 20"	3° 12' 09"	6° 36' 38"	16:29:53	400035	Zulkaedah	1492

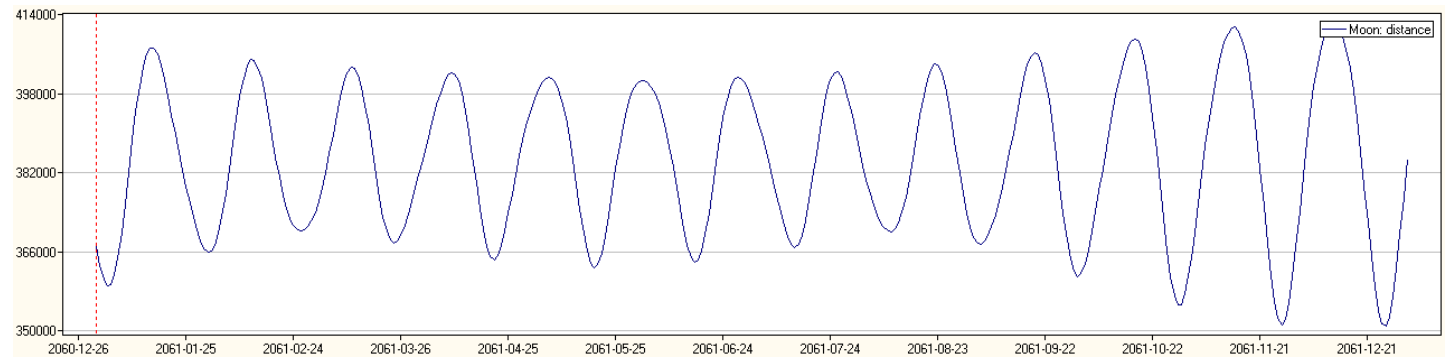
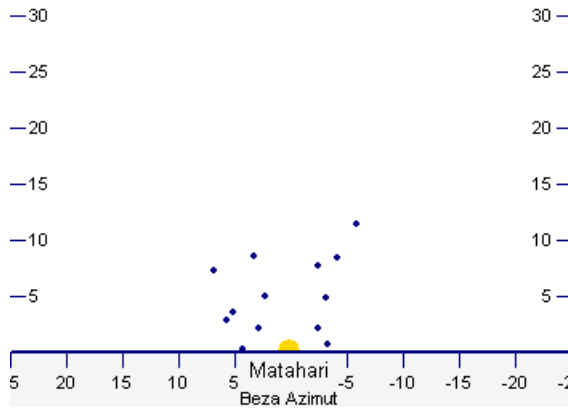
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2060-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



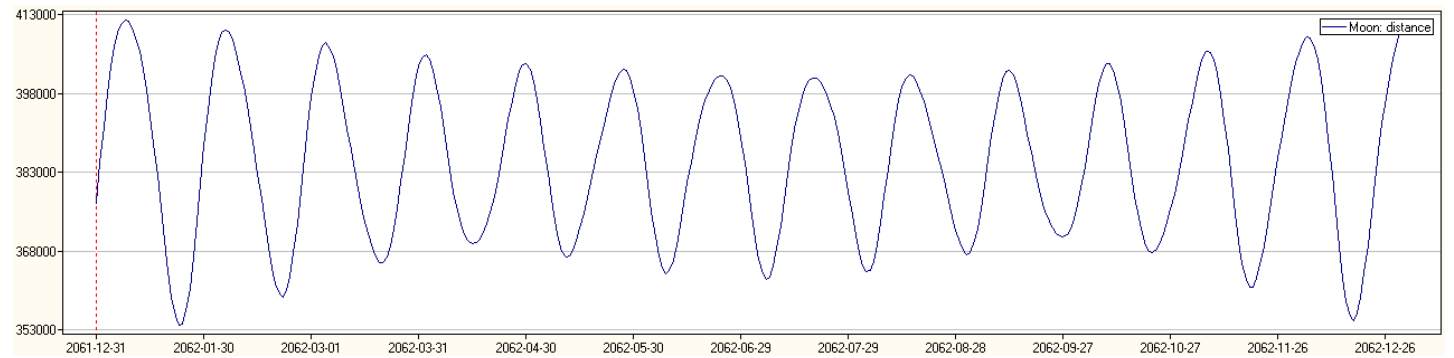
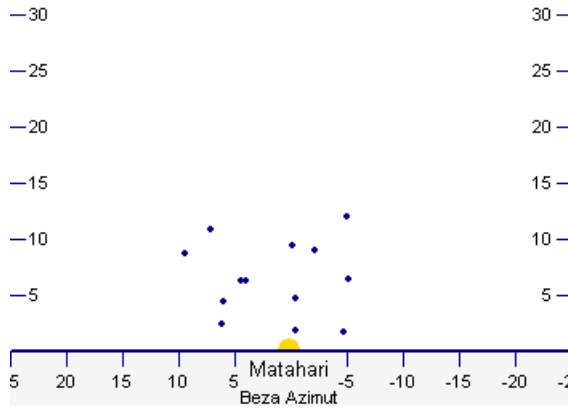
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2061-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



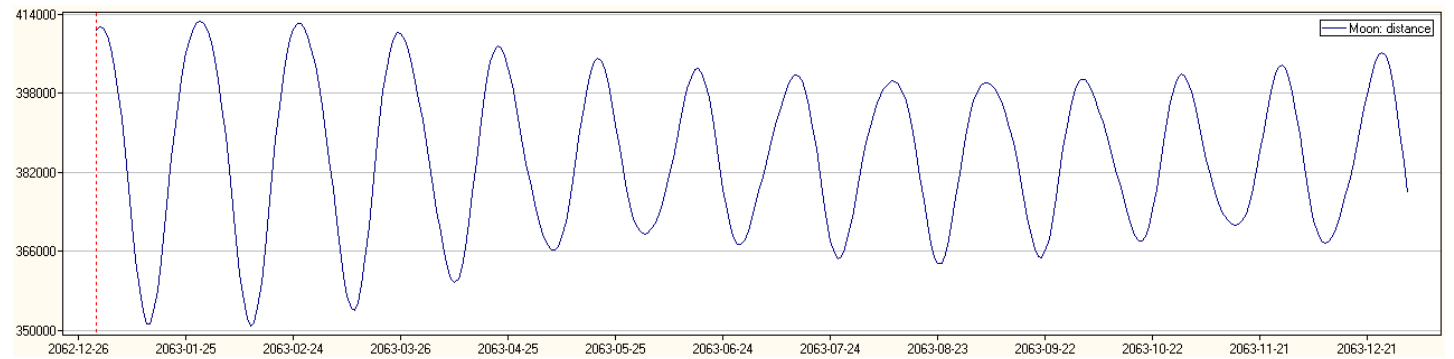
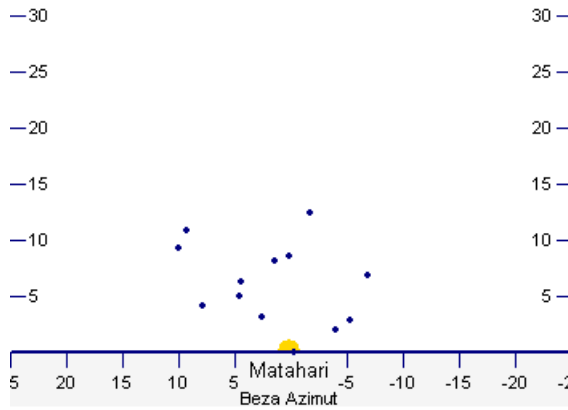
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2062-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



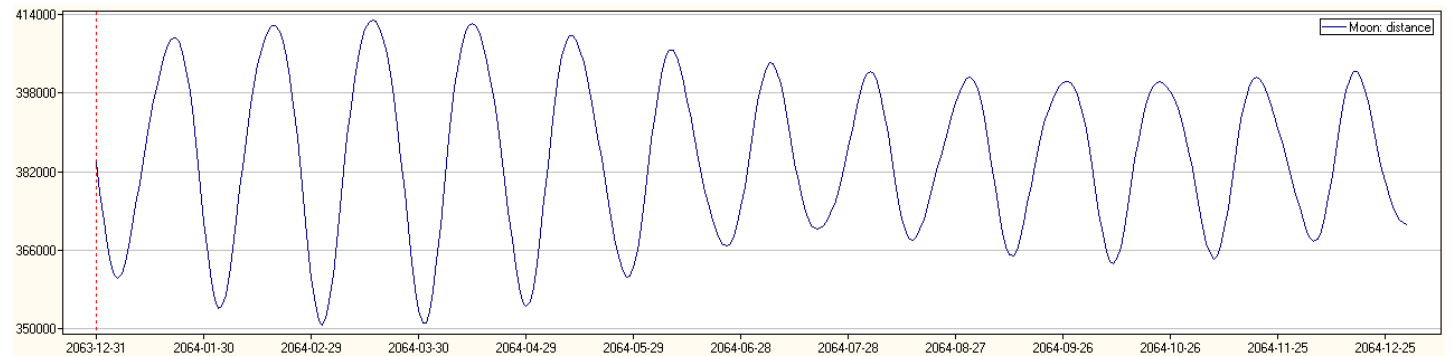
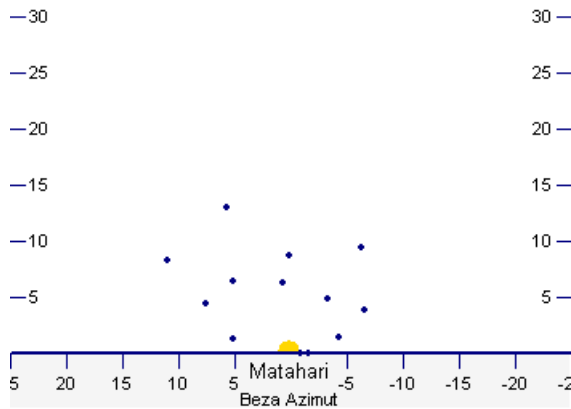
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2063-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



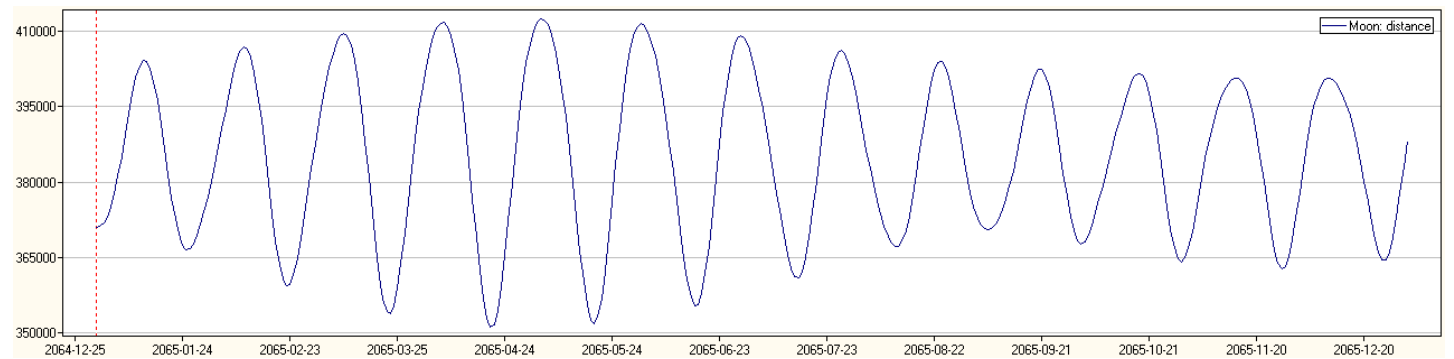
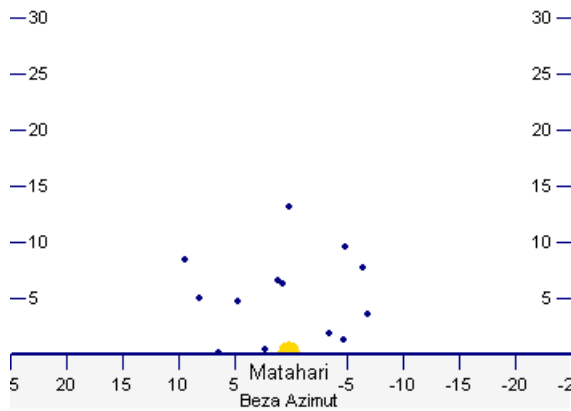
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2064-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



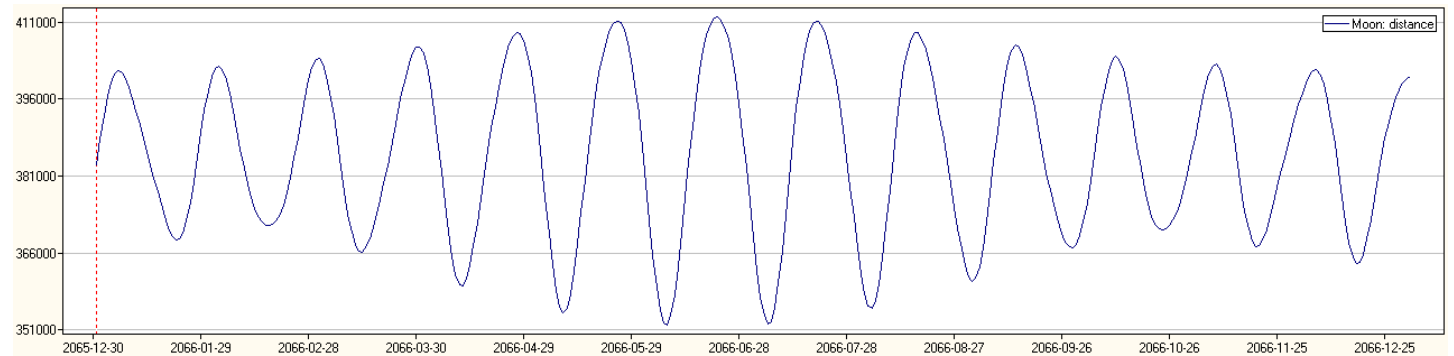
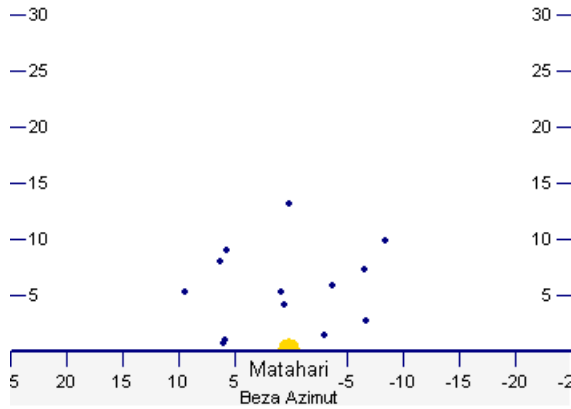
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2065-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



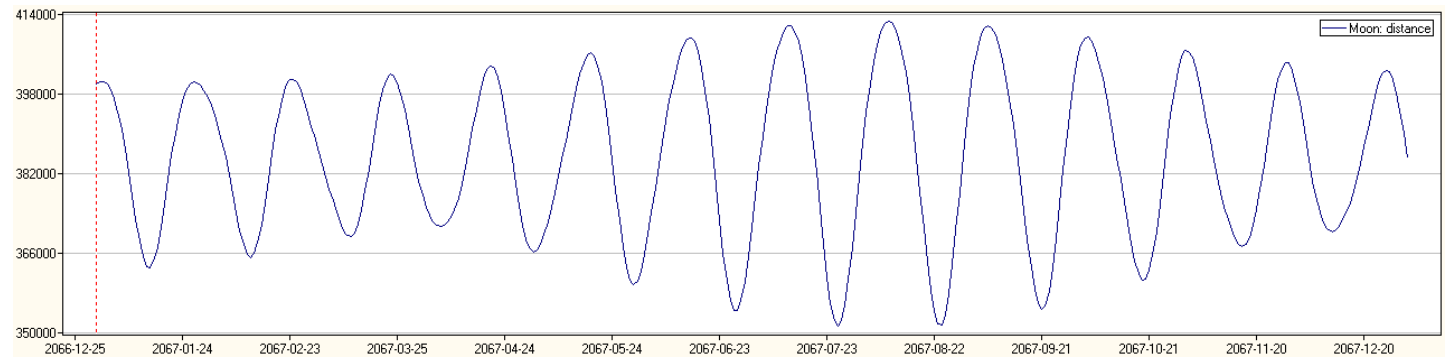
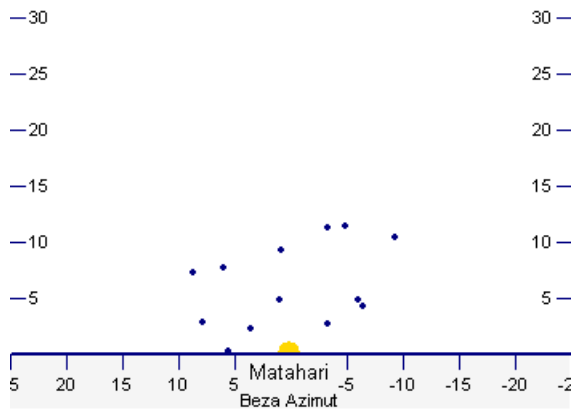
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2066-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



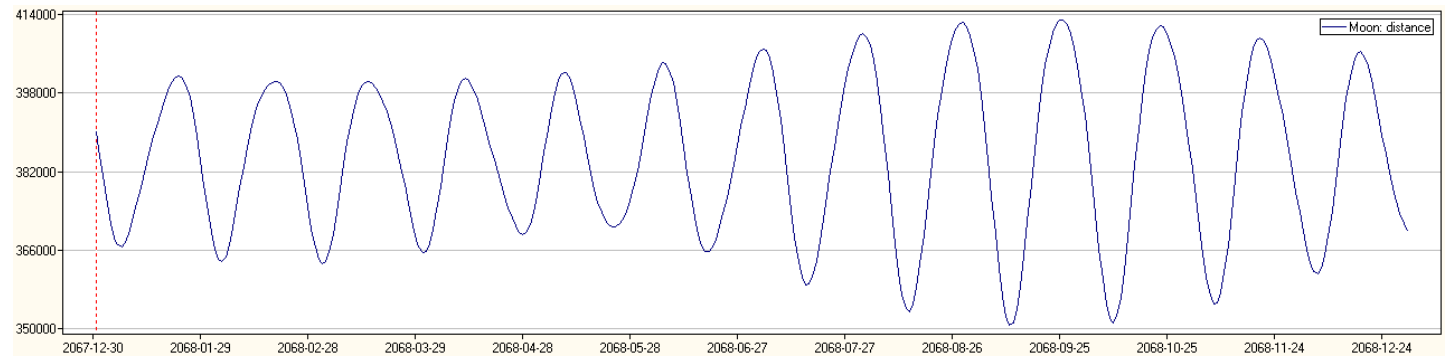
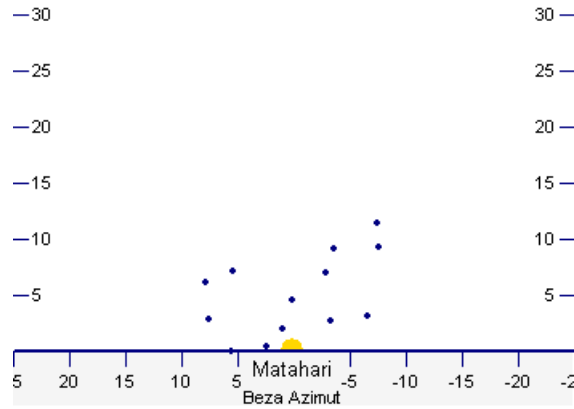
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2067-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



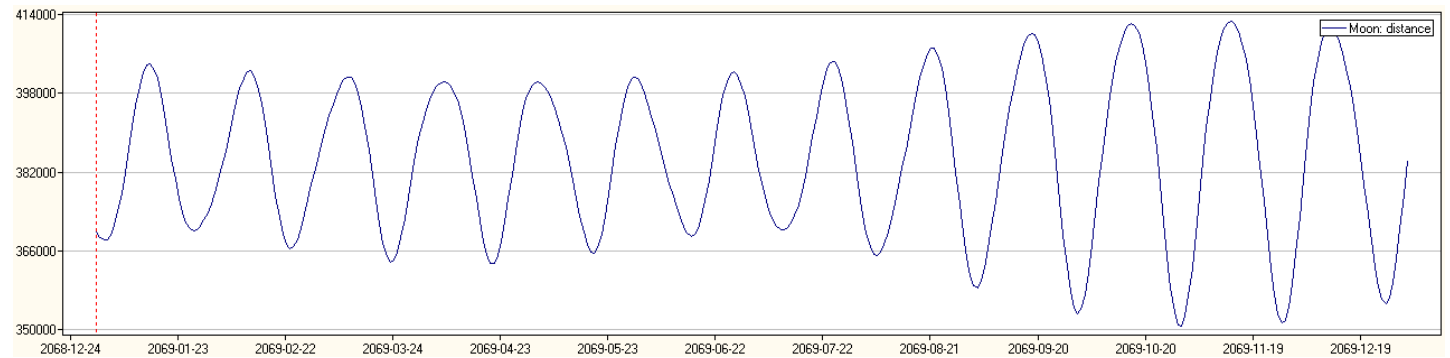
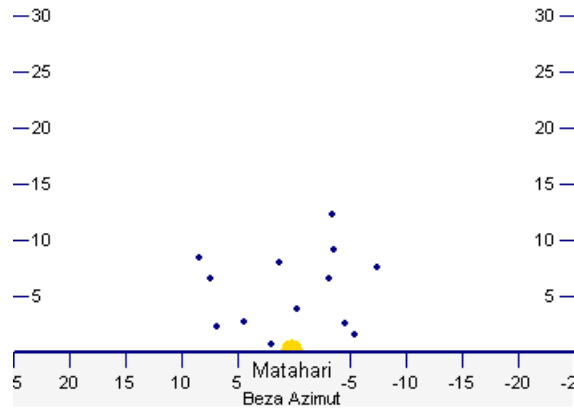
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2068-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2069-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



Jadual Kenampakan Pertama Anak Bulan

2070 – 2079

No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
867	2070-01-13	18:24:45	19:06:39	0:41:54	248° 37' 05"	254° 37' 37"	6° 00' 32"	9° 05' 46"	23:00:02	389455	Zulhijjah	1492
868	2070-02-11	18:33:10	18:40:16	0:07:06	256° 11' 29"	261° 26' 18"	5° 14' 49"	1° 15' 21"	7:38:39	381309	Muharram	1493
869	2070-03-13	18:31:46	19:05:39	0:33:52	267° 21' 17"	272° 30' 42"	5° 09' 25"	7° 26' 28"	18:37:35	368374	Safar	1493
870	2070-04-11	18:27:40	18:41:54	0:14:13	278° 38' 00"	279° 52' 16"	1° 14' 15"	2° 46' 06"	7:55:24	361947	Rabiulawal	1493
871	2070-05-11	18:26:51	19:24:34	0:57:43	288° 10' 38"	287° 10' 23"	-1° 00' 15"	12° 21' 13"	23:16:23	356539	Rabiulakhir	1493
872	2070-06-09	18:31:39	19:09:10	0:37:32	293° 08' 22"	288° 19' 14"	-4° 49' 08"	7° 46' 10"	16:05:19	357417	Jamadirawal	1493
873	2070-07-08	18:37:32	18:51:15	0:13:43	292° 33' 46"	286° 27' 26"	-6° 06' 20"	2° 34' 07"	9:20:51	361772	Jamadirakhir	1493
874	2070-08-07	18:35:22	19:19:51	0:44:29	286° 22' 33"	277° 16' 22"	-9° 06' 10"	9° 54' 00"	1d 1:41:47	371533	Rejab	1493
875	2070-09-05	18:24:41	18:46:35	0:21:54	276° 41' 09"	270° 50' 46"	-5° 50' 23"	4° 40' 57"	15:53:53	380549	Syaban	1493
876	2070-10-05	18:10:14	18:56:53	0:46:40	265° 06' 15"	259° 37' 29"	-5° 28' 46"	10° 26' 29"	1d 3:06:52	392362	Ramadan	1493
877	2070-11-03	18:02:01	18:22:39	0:20:38	254° 47' 48"	255° 10' 31"	0° 22' 43"	4° 16' 39"	11:17:18	399902	Syawal	1493
878	2070-12-03	18:05:42	18:38:48	0:33:07	247° 49' 50"	250° 35' 58"	2° 46' 08"	6° 57' 59"	17:09:59	405324	Zulkaedah	1493
879	2071-01-02	18:19:23	18:58:16	0:38:53	247° 06' 28"	252° 06' 16"	4° 59' 48"	8° 20' 28"	22:01:59	404638	Zulhijjah	1493
880	2071-02-01	18:31:07	19:16:17	0:45:10	253° 00' 12"	259° 01' 26"	6° 01' 13"	10° 04' 15"	1d 3:13:15	397785	Muharram	1494
881	2071-03-02	18:33:11	18:45:59	0:12:48	262° 57' 48"	266° 10' 20"	3° 12' 33"	2° 34' 42"	9:59:33	391061	Safar	1494
882	2071-04-01	18:29:16	19:06:44	0:37:28	274° 45' 39"	276° 35' 36"	1° 49' 57"	8° 16' 22"	19:23:59	377819	Rabiulawal	1494
883	2071-04-30	18:26:21	18:43:07	0:16:46	285° 00' 27"	282° 52' 35"	-2° 07' 52"	3° 19' 43"	7:53:58	369615	Rabiulakhir	1494
884	2071-05-30	18:29:34	19:25:31	0:55:56	291° 58' 53"	287° 39' 51"	-4° 19' 02"	11° 56' 14"	23:10:44	359730	Jamadirawal	1494
885	2071-06-28	18:35:39	19:09:59	0:34:20	293° 24' 59"	287° 06' 09"	-6° 18' 50"	7° 07' 00"	16:12:51	356933	Jamadirakhir	1494
886	2071-07-27	18:37:34	18:50:47	0:13:13	289° 16' 20"	283° 43' 15"	-5° 33' 05"	2° 29' 19"	9:39:13	357566	Rejab	1494
887	2071-08-26	18:29:07	19:19:28	0:50:21	280° 23' 32"	272° 48' 00"	-7° 35' 32"	11° 20' 07"	1d 2:10:28	363240	Syaban	1494
888	2071-09-24	18:15:19	18:47:32	0:32:13	269° 28' 28"	266° 04' 42"	-3° 23' 45"	7° 04' 15"	16:52:03	370568	Ramadan	1494
889	2071-10-23	18:04:03	18:15:29	0:11:25	258° 31' 40"	260° 03' 51"	1° 32' 11"	2° 12' 04"	5:12:25	379627	Syawal	1494
890	2071-11-22	18:02:35	18:34:54	0:32:19	249° 48' 57"	252° 15' 10"	2° 26' 13"	6° 48' 56"	15:00:55	391722	Zulkaedah	1494
891	2071-12-22	18:13:30	18:56:38	0:43:08	246° 33' 09"	250° 28' 15"	3° 55' 06"	9° 12' 02"	22:24:34	401106	Zulhijjah	1494
892	2072-01-21	18:27:45	19:14:59	0:47:14	250° 07' 10"	254° 51' 34"	4° 44' 25"	10° 24' 03"	1d 3:50:39	405249	Muharram	1495
893	2072-02-19	18:33:10	18:43:09	0:09:58	258° 46' 39"	261° 04' 08"	2° 17' 29"	1° 56' 53"	8:27:32	405492	Safar	1495
894	2072-03-20	18:30:44	18:54:39	0:23:55	270° 20' 10"	270° 49' 28"	0° 29' 17"	5° 12' 40"	14:07:00	398900	Rabiulawal	1495
895	2072-04-19	18:26:25	19:12:18	0:45:53	281° 39' 28"	280° 33' 37"	-1° 05' 51"	10° 10' 27"	22:27:26	387594	Rabiulakhir	1495
896	2072-05-18	18:27:21	18:48:29	0:21:08	289° 56' 06"	285° 42' 37"	-4° 13' 28"	4° 17' 09"	10:06:50	379272	Jamadirawal	1495
897	2072-06-17	18:33:41	19:27:46	0:54:04	293° 34' 10"	287° 56' 41"	-5° 37' 29"	11° 32' 27"	1d 0:34:25	366714	Jamadirakhir	1495
898	2072-07-16	18:37:34	19:10:01	0:32:26	291° 19' 10"	285° 42' 43"	-5° 36' 27"	6° 46' 13"	16:39:32	360757	Rejab	1495

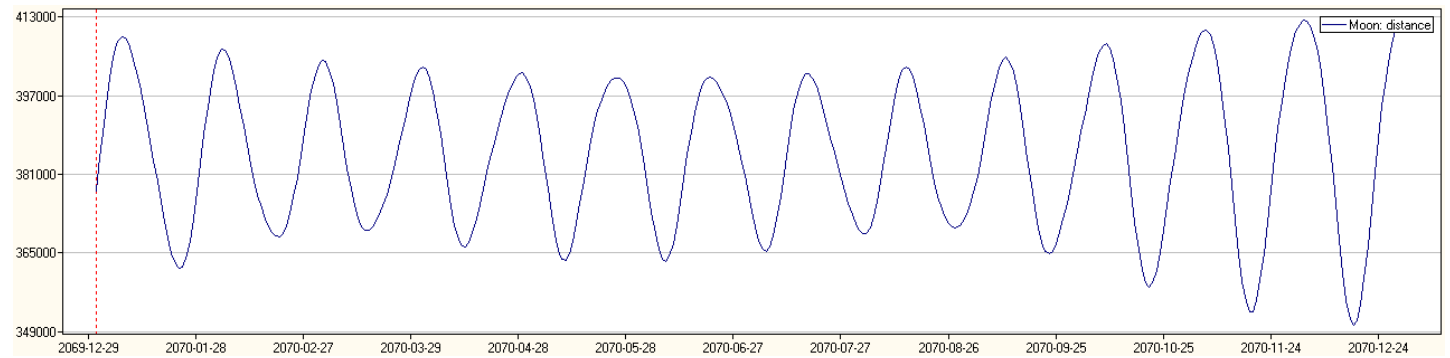
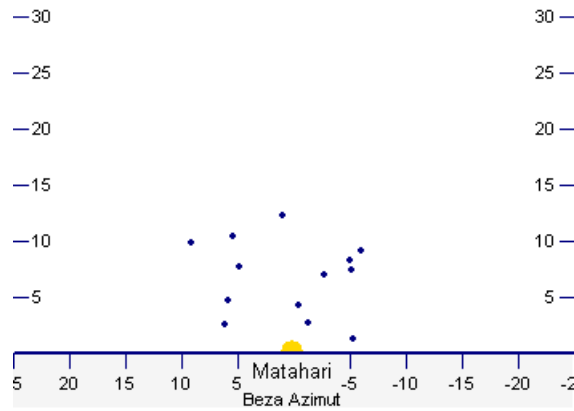
No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
899	2072-08-14	18:33:21	18:48:05	0:14:44	284° 08' 05"	280° 54' 49"	-3° 13' 17"	2° 51' 44"	9:10:21	357521	Syaban	1495
900	2072-09-13	18:20:25	19:15:35	0:55:10	273° 27' 19"	268° 27' 53"	-4° 59' 27"	12° 28' 10"	1d 1:11:29	357812	Ramadan	1495
901	2072-10-12	18:07:01	18:45:32	0:38:31	262° 14' 42"	261° 33' 02"	-0° 41' 40"	8° 26' 54"	16:09:44	362210	Syawal	1495
902	2072-11-10	18:01:43	18:17:05	0:15:22	252° 35' 18"	256° 01' 38"	3° 26' 20"	3° 00' 33"	5:38:25	369591	Zulkaedah	1495
903	2072-12-10	18:08:34	18:46:06	0:37:32	246° 59' 55"	250° 03' 10"	3° 03' 15"	7° 50' 24"	17:07:27	381733	Zulhijjah	1495
904	2073-01-09	18:23:04	19:13:20	0:50:16	248° 00' 57"	251° 17' 27"	3° 16' 30"	10° 50' 17"	1d 2:09:57	393673	Muharram	1496
905	2073-02-07	18:32:16	18:44:24	0:12:08	254° 58' 19"	256° 33' 12"	1° 34' 54"	2° 22' 48"	8:49:38	401158	Safar	1496
906	2073-03-09	18:32:13	18:56:26	0:24:13	265° 52' 51"	265° 44' 05"	-0° 08' 47"	5° 17' 16"	14:14:31	405687	Rabiulawal	1496
907	2073-04-08	18:27:43	19:05:38	0:37:55	277° 36' 43"	276° 06' 16"	-1° 30' 27"	8° 29' 38"	20:11:38	403924	Rabiulakhir	1496
908	2073-05-07	18:26:13	18:34:15	0:08:02	287° 10' 53"	282° 40' 33"	-4° 30' 21"	1° 28' 52"	4:08:51	400176	Jamadirawal	1496
909	2073-06-06	18:30:51	18:58:20	0:27:30	292° 53' 38"	288° 30' 47"	-4° 22' 51"	5° 39' 24"	14:37:32	389173	Jamadirakhir	1496
910	2073-07-06	18:37:06	19:32:20	0:55:14	292° 45' 12"	287° 42' 41"	-5° 02' 31"	11° 52' 33"	1d 3:18:41	375932	Rejab	1496
911	2073-08-04	18:36:13	19:10:14	0:34:02	287° 08' 22"	283° 36' 28"	-3° 31' 54"	7° 14' 53"	17:30:05	367880	Syaban	1496
912	2073-09-02	18:25:34	18:44:04	0:18:29	277° 41' 19"	277° 20' 39"	-0° 20' 40"	3° 46' 39"	8:30:58	361398	Ramadan	1496
913	2073-10-02	18:11:37	19:08:43	0:57:06	266° 09' 45"	263° 33' 53"	-2° 35' 52"	12° 51' 09"	23:48:12	356196	Syawal	1496
914	2073-10-31	18:02:02	18:40:57	0:38:54	255° 39' 12"	256° 44' 51"	1° 05' 39"	8° 22' 00"	14:46:58	357041	Zulkaedah	1496
915	2073-11-29	18:04:16	18:16:49	0:12:33	248° 23' 25"	252° 05' 16"	3° 41' 52"	2° 17' 45"	4:50:14	361641	Zulhijjah	1496
916	2073-12-29	18:17:45	18:55:35	0:37:50	246° 49' 13"	248° 46' 36"	1° 57' 23"	7° 47' 27"	17:20:17	371758	Muharram	1497
917	2074-01-27	18:30:02	18:33:58	0:03:56	251° 42' 23"	252° 15' 29"	0° 33' 06"	0° 32' 46"	3:50:20	381492	Safar	1497
918	2074-02-26	18:33:07	18:56:50	0:23:43	261° 32' 18"	260° 38' 18"	-0° 54' 00"	5° 04' 29"	12:30:46	393496	Rabiulawal	1497
919	2074-03-28	18:29:29	19:08:06	0:38:37	273° 17' 56"	271° 44' 57"	-1° 32' 59"	8° 42' 43"	20:07:37	402158	Rabiulakhir	1497
920	2074-04-26	18:26:32	18:33:49	0:07:17	283° 50' 17"	279° 23' 24"	-4° 26' 53"	1° 21' 02"	3:36:45	406113	Jamadirawal	1497
921	2074-05-26	18:28:55	18:48:49	0:19:53	291° 23' 31"	287° 43' 56"	-3° 39' 35"	4° 02' 18"	11:42:33	404810	Jamadirakhir	1497
922	2074-06-25	18:35:14	19:13:01	0:37:47	293° 31' 51"	290° 31' 31"	-3° 00' 20"	7° 52' 50"	20:54:32	397373	Rejab	1497
923	2074-07-24	18:37:48	18:48:47	0:10:59	289° 52' 44"	288° 57' 10"	-0° 55' 35"	2° 01' 30"	7:28:44	390409	Syaban	1497
924	2074-08-23	18:30:27	19:10:37	0:40:10	281° 20' 32"	279° 47' 09"	-1° 33' 23"	8° 50' 39"	19:28:58	377004	Ramadan	1497
925	2074-09-21	18:16:35	18:39:09	0:22:35	270° 32' 15"	272° 11' 43"	1° 39' 28"	4° 48' 04"	8:45:46	368703	Syawal	1497
926	2074-10-21	18:04:17	19:00:17	0:56:00	259° 07' 56"	257° 45' 01"	-1° 22' 56"	12° 23' 53"	22:50:35	359053	Zulkaedah	1497
927	2074-11-19	18:02:09	18:35:26	0:33:16	250° 25' 16"	251° 44' 22"	1° 19' 06"	6° 52' 08"	13:04:02	356330	Zulhijjah	1497
928	2074-12-18	18:11:48	18:16:08	0:04:21	246° 35' 26"	248° 37' 52"	2° 02' 26"	0° 32' 50"	2:49:48	357382	Muharram	1498
929	2075-01-17	18:26:30	19:02:24	0:35:54	249° 19' 51"	249° 09' 22"	-0° 10' 29"	7° 20' 40"	15:47:35	363380	Safar	1498
930	2075-02-15	18:33:24	18:41:06	0:07:42	257° 28' 23"	255° 05' 38"	-2° 22' 45"	1° 19' 14"	3:50:31	371523	Rabiulawal	1498
931	2075-03-17	18:31:29	19:04:04	0:32:35	268° 51' 38"	266° 42' 03"	-2° 09' 35"	7° 12' 16"	15:04:16	383795	Rabiulakhir	1498
932	2075-04-15	18:27:22	18:31:42	0:04:20	280° 00' 36"	275° 27' 19"	-4° 33' 17"	0° 41' 38"	1:29:40	393096	Jamadirawal	1498
933	2075-05-15	18:27:02	18:46:51	0:19:49	289° 06' 05"	286° 13' 34"	-2° 52' 31"	4° 03' 05"	11:02:25	402035	Jamadirakhir	1498
934	2075-06-14	18:32:58	19:08:12	0:35:14	293° 26' 53"	291° 52' 20"	-1° 34' 33"	7° 16' 08"	19:51:40	405565	Rejab	1498
935	2075-07-13	18:37:24	18:42:49	0:05:25	291° 54' 58"	292° 10' 58"	0° 16' 01"	0° 52' 09"	4:23:55	405349	Syaban	1498

No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
936	2075-08-12	18:34:16	19:00:22	0:26:06	284° 58' 47"	285° 38' 59"	0° 40' 12"	5° 29' 18"	13:21:26	398344	Ramadan	1498
937	2075-09-11	18:21:56	19:09:36	0:47:40	274° 30' 21"	273° 26' 36"	-1° 03' 45"	10° 48' 51"	23:17:25	386855	Syawal	1498
938	2075-10-10	18:07:57	18:33:23	0:25:26	263° 16' 16"	265° 06' 29"	1° 50' 13"	5° 29' 51"	10:22:45	378357	Zulkaedah	1498
939	2075-11-09	18:01:12	18:52:56	0:51:45	253° 03' 43"	251° 23' 22"	-1° 40' 22"	11° 04' 40"	22:23:42	365924	Zulhijjah	1498
940	2075-12-08	18:07:22	18:32:10	0:24:48	247° 14' 57"	247° 11' 31"	-0° 03' 26"	4° 48' 50"	11:01:36	360035	Muharram	1499
941	2076-01-07	18:21:46	19:22:45	1:00:59	247° 38' 11"	245° 49' 54"	-1° 48' 17"	12° 34' 32"	1d 0:04:57	355991	Safar	1499
942	2076-02-05	18:32:10	19:05:19	0:33:09	254° 07' 45"	251° 59' 38"	-2° 08' 07"	6° 50' 57"	13:28:34	357768	Rabiulawal	1499
943	2076-03-05	18:32:55	18:42:09	0:09:14	264° 25' 41"	260° 21' 25"	-4° 04' 17"	1° 39' 58"	3:06:29	363065	Rabiulakhir	1499
944	2076-04-04	18:28:14	19:06:00	0:37:46	276° 12' 21"	274° 35' 20"	-1° 37' 01"	8° 22' 11"	16:38:53	373584	Jamadilawal	1499
945	2076-05-03	18:26:30	18:36:50	0:10:20	286° 08' 32"	283° 28' 32"	-2° 40' 00"	1° 55' 54"	5:32:34	383239	Jamadilakhir	1499
946	2076-06-02	18:30:23	19:03:05	0:32:42	292° 29' 37"	292° 14' 48"	-0° 14' 49"	6° 39' 27"	17:14:06	394842	Rejab	1499
947	2076-07-01	18:36:42	18:40:26	0:03:44	293° 11' 33"	294° 18' 53"	1° 07' 20"	0° 30' 54"	3:29:52	401896	Syaban	1499
948	2076-07-31	18:36:22	19:01:31	0:25:09	288° 06' 31"	289° 45' 18"	1° 38' 47"	5° 09' 29"	12:28:43	405849	Ramadan	1499
949	2076-08-30	18:26:50	19:07:29	0:40:39	278° 41' 15"	278° 51' 42"	0° 10' 28"	9° 06' 16"	20:41:04	403635	Syawal	1499
950	2076-09-28	18:12:56	18:26:18	0:13:21	267° 36' 20"	270° 45' 03"	3° 08' 44"	2° 44' 50"	4:43:41	399550	Zulkaedah	1499
951	2076-10-28	18:02:44	18:28:39	0:25:56	256° 32' 59"	256° 36' 36"	0° 03' 37"	5° 30' 14"	13:10:07	388444	Zulhijjah	1499
952	2076-11-27	18:03:39	18:51:27	0:47:48	248° 40' 46"	245° 30' 33"	-3° 10' 13"	9° 47' 05"	22:33:05	375189	Muharram	1500
953	2076-12-26	18:16:22	18:35:06	0:18:43	246° 40' 24"	244° 19' 30"	-2° 20' 54"	3° 26' 10"	9:20:57	367152	Safar	1500
954	2077-01-25	18:29:36	19:24:12	0:54:36	251° 15' 47"	248° 46' 46"	-2° 29' 01"	11° 27' 24"	21:42:01	358120	Rabiulawal	1500
955	2077-02-23	18:33:41	19:03:05	0:29:24	260° 31' 49"	257° 40' 06"	-2° 51' 43"	6° 11' 28"	11:24:37	356140	Rabiulakhir	1500
956	2077-03-24	18:30:10	18:36:57	0:06:47	271° 50' 09"	267° 54' 22"	-3° 55' 48"	1° 08' 21"	2:03:28	357940	Jamadilawal	1500
957	2077-04-23	18:26:27	19:04:46	0:38:19	282° 56' 42"	283° 17' 22"	0° 20' 39"	8° 13' 32"	17:04:03	364882	Jamadilakhir	1500
958	2077-05-22	18:28:14	18:42:27	0:14:13	290° 42' 59"	291° 00' 33"	0° 17' 34"	2° 37' 33"	7:48:10	373331	Rejab	1500
959	2077-06-21	18:34:47	19:21:55	0:47:08	293° 36' 29"	295° 23' 25"	1° 46' 56"	9° 30' 47"	21:37:35	385619	Syaban	1500
960	2077-07-20	18:37:50	18:59:37	0:21:46	290° 38' 19"	293° 17' 16"	2° 38' 58"	4° 14' 59"	9:54:34	394401	Ramadan	1500
961	2077-08-19	18:31:25	19:12:19	0:40:54	282° 35' 18"	283° 08' 25"	0° 33' 07"	9° 00' 37"	20:11:32	402541	Syawal	1500
962	2077-09-17	18:18:17	18:30:30	0:12:13	271° 59' 13"	275° 01' 15"	3° 02' 02"	2° 29' 23"	4:23:09	406071	Zulkaedah	1500
963	2077-10-17	18:05:27	18:24:32	0:19:05	260° 28' 34"	260° 33' 09"	0° 04' 35"	4° 02' 40"	10:56:11	404547	Zulhijjah	1500
964	2077-11-16	18:01:46	18:30:13	0:28:28	251° 04' 02"	248° 06' 39"	-2° 57' 23"	5° 48' 09"	16:59:26	397065	Muharram	1501
965	2077-12-16	18:11:05	19:00:11	0:49:06	246° 38' 40"	241° 51' 01"	-4° 47' 39"	9° 46' 10"	1d 0:02:38	385155	Safar	1501
966	2078-01-14	18:25:17	18:44:37	0:19:20	248° 48' 21"	244° 45' 33"	-4° 02' 49"	3° 36' 45"	9:08:49	376524	Rabiulawal	1501
967	2078-02-13	18:32:51	19:22:23	0:49:32	256° 52' 17"	255° 01' 53"	-1° 50' 23"	10° 46' 18"	20:31:38	364311	Rabiulakhir	1501
968	2078-03-14	18:31:58	18:55:40	0:23:42	267° 46' 52"	265° 50' 42"	-1° 56' 10"	5° 00' 50"	9:52:07	359126	Jamadilawal	1501
969	2078-04-13	18:27:19	19:24:29	0:57:10	279° 23' 03"	282° 37' 01"	3° 13' 59"	12° 33' 14"	1d 0:40:08	356394	Jamadilakhir	1501
970	2078-05-12	18:26:29	19:04:16	0:37:46	288° 26' 12"	291° 09' 59"	2° 43' 48"	7° 40' 44"	16:27:40	358983	Rejab	1501
971	2078-06-10	18:31:47	18:50:45	0:18:59	293° 13' 15"	296° 09' 30"	2° 56' 16"	3° 26' 50"	8:40:16	364694	Syaban	1501
972	2078-07-10	18:37:30	19:37:02	0:59:32	292° 18' 16"	294° 01' 33"	1° 43' 17"	12° 16' 40"	1d 0:26:31	375471	Ramadan	1501

No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
973	2078-08-08	18:34:54	19:09:16	0:34:23	286° 04' 18"	287° 44' 30"	1° 40' 11"	7° 14' 41"	14:40:24	384680	Syawal	1501
974	2078-09-06	18:23:47	18:32:25	0:08:38	276° 17' 02"	279° 30' 07"	3° 13' 05"	1° 37' 32"	2:22:39	393631	Zulkaedah	1501
975	2078-10-06	18:09:46	18:27:56	0:18:10	264° 41' 55"	264° 03' 42"	-0° 38' 12"	3° 51' 42"	11:01:40	402416	Zulhijjah	1501
976	2078-11-05	18:01:39	18:26:34	0:24:55	254° 09' 42"	250° 19' 23"	-3° 50' 20"	5° 08' 10"	17:03:06	405913	Muharram	1502
977	2078-12-05	18:06:22	18:43:42	0:37:20	247° 33' 27"	241° 56' 23"	-5° 37' 04"	7° 21' 56"	21:55:46	403049	Safar	1502
978	2079-01-03	18:20:11	18:23:15	0:03:04	247° 12' 43"	242° 36' 12"	-4° 36' 30"	0° 20' 02"	3:27:45	398476	Rabiulawal	1502
979	2079-02-02	18:31:17	18:54:48	0:23:31	253° 18' 23"	249° 39' 22"	-3° 39' 01"	4° 43' 41"	10:53:22	386680	Rabiulakhir	1502
980	2079-03-04	18:32:50	19:16:39	0:43:49	263° 45' 12"	264° 09' 29"	0° 24' 17"	9° 48' 20"	20:41:44	373429	Jamadilawal	1502
981	2079-04-02	18:28:51	18:46:10	0:17:19	275° 10' 01"	275° 33' 02"	0° 23' 01"	3° 32' 24"	8:56:31	365950	Jamadilakhir	1502
982	2079-05-02	18:26:29	19:19:45	0:53:16	285° 38' 15"	290° 50' 33"	5° 12' 18"	11° 05' 57"	23:27:10	358016	Rejab	1502
983	2079-05-31	18:29:53	19:08:11	0:38:18	292° 08' 24"	296° 31' 12"	4° 22' 48"	7° 24' 43"	15:46:24	356633	Syaban	1502
984	2079-06-29	18:36:04	18:59:55	0:23:51	293° 22' 09"	297° 19' 52"	3° 57' 44"	4° 22' 52"	9:02:30	358679	Ramadan	1502
985	2079-07-28	18:37:10	18:45:13	0:08:03	289° 01' 22"	293° 15' 39"	4° 14' 17"	1° 17' 05"	2:01:28	363979	Syawal	1502
986	2079-08-27	18:28:54	19:05:50	0:36:56	280° 01' 36"	278° 43' 48"	-1° 17' 48"	8° 08' 04"	17:23:59	374526	Zulkaedah	1502
987	2079-09-25	18:14:46	18:25:01	0:10:15	269° 03' 36"	268° 53' 22"	-0° 10' 14"	1° 59' 48"	6:06:30	383995	Zulhijjah	1502
988	2079-10-25	18:03:38	18:25:24	0:21:47	257° 48' 48"	253° 10' 48"	-4° 38' 00"	4° 29' 30"	15:41:42	395662	Muharram	1503
989	2079-11-24	18:02:42	18:38:57	0:36:15	249° 22' 52"	242° 34' 03"	-6° 48' 48"	7° 11' 21"	22:31:00	403475	Safar	1503
990	2079-12-24	18:14:46	19:07:20	0:52:34	246° 34' 49"	240° 39' 19"	-5° 55' 30"	10° 28' 14"	1d 3:41:00	405425	Rabiulawal	1503

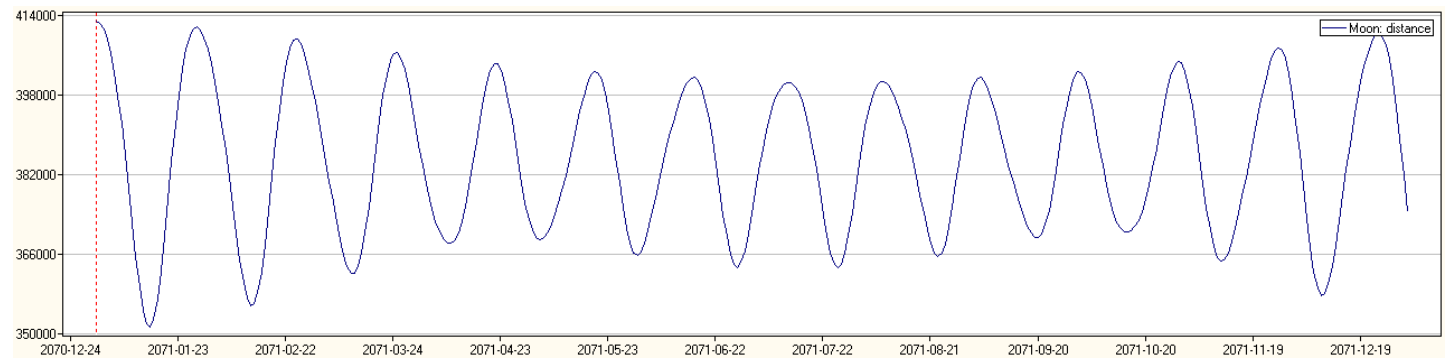
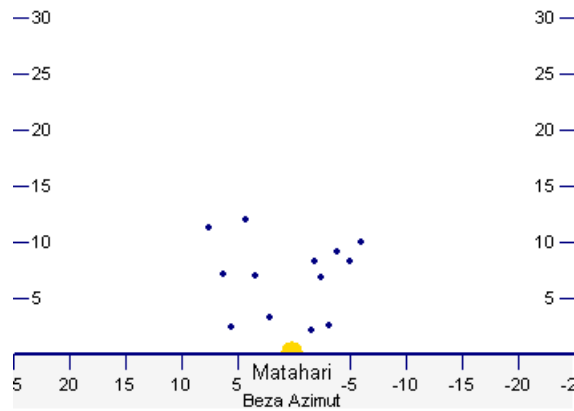
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2070-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



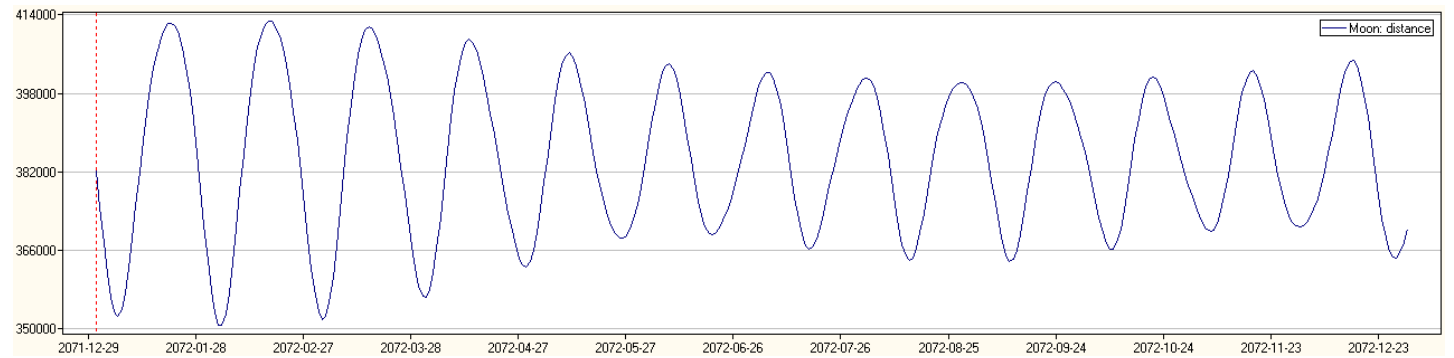
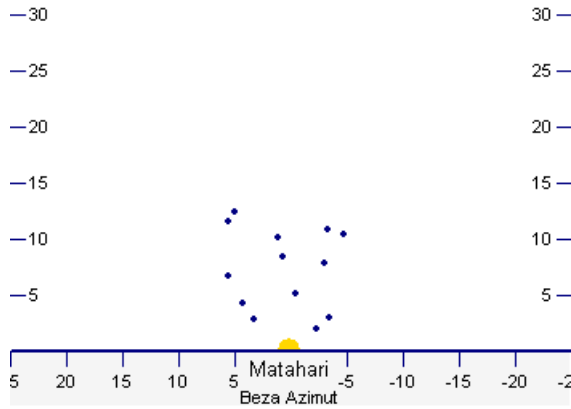
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2071-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



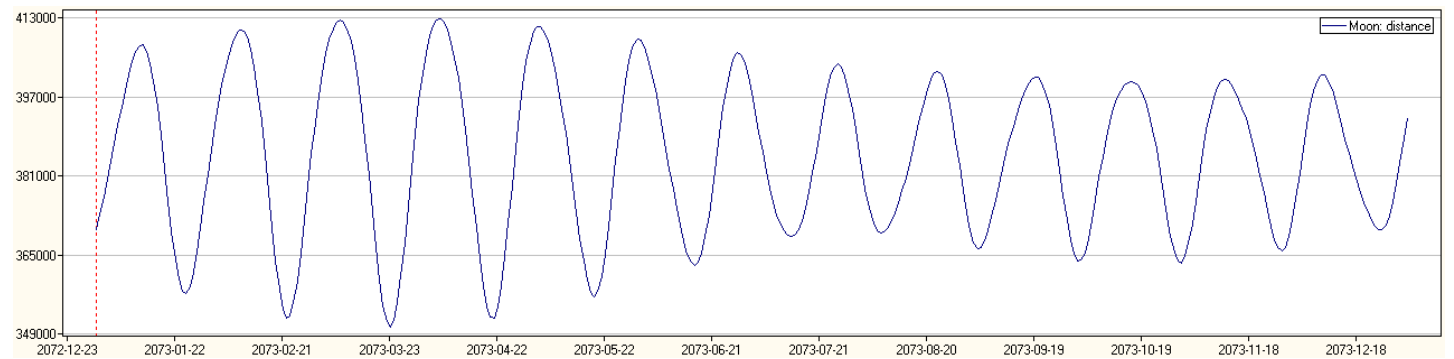
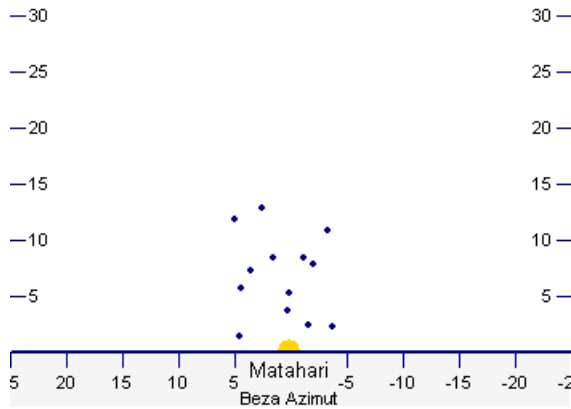
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2072-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



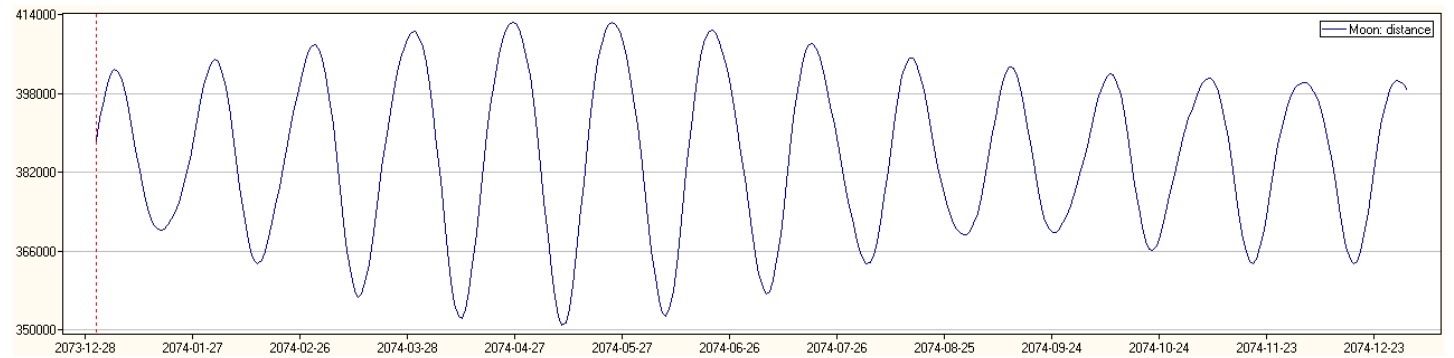
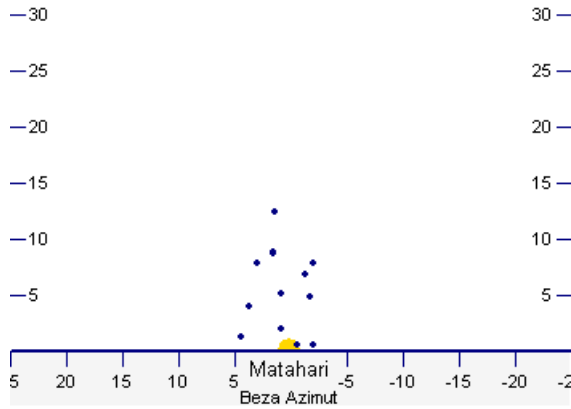
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2073-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



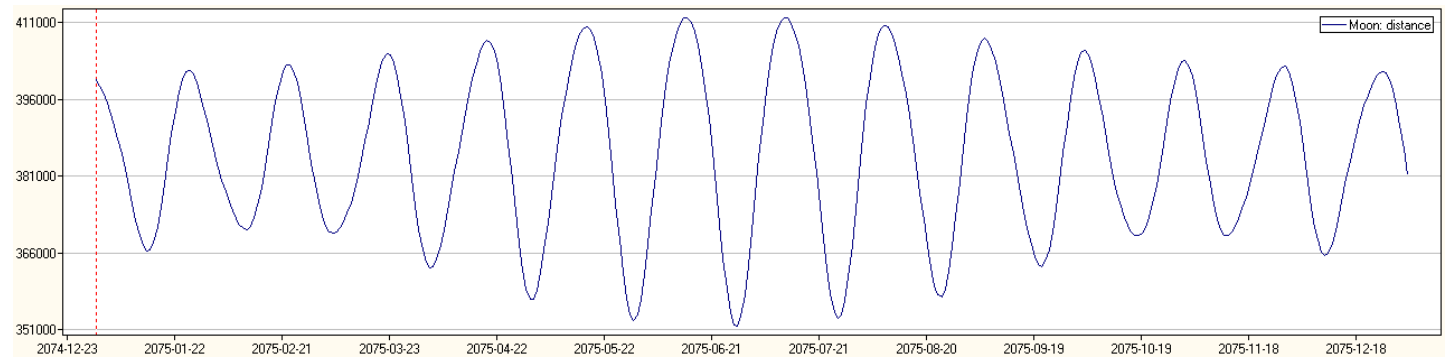
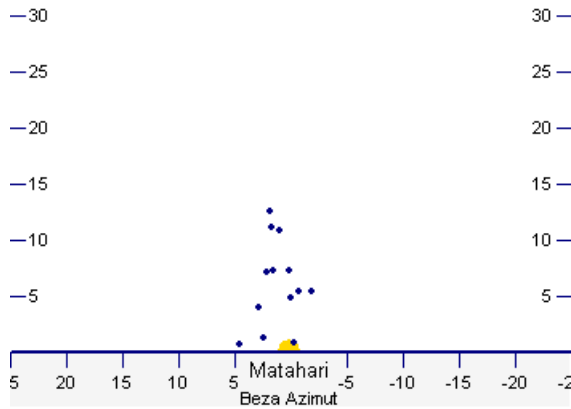
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2074-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



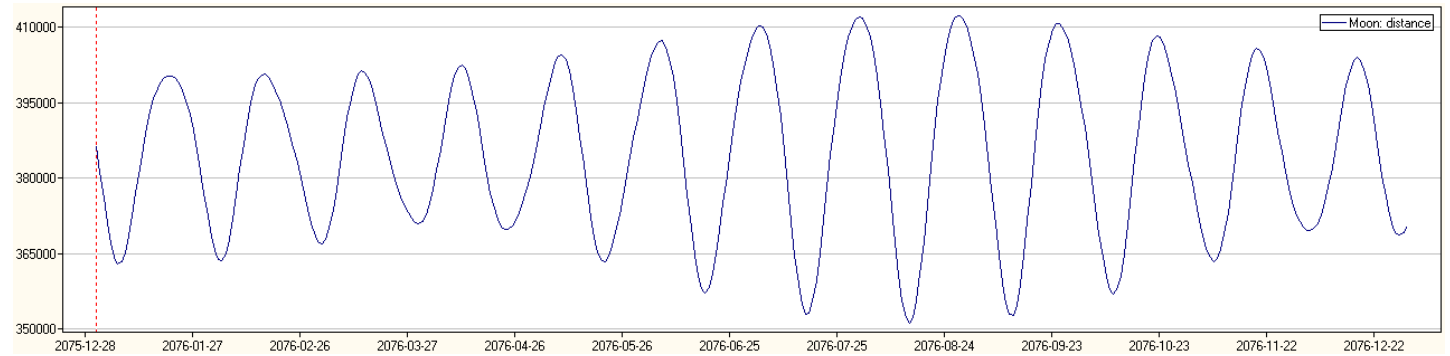
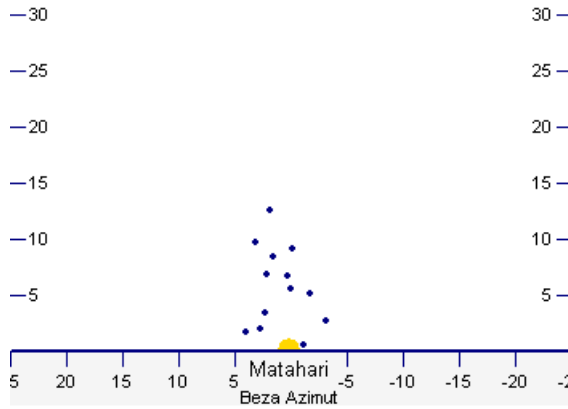
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2075-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



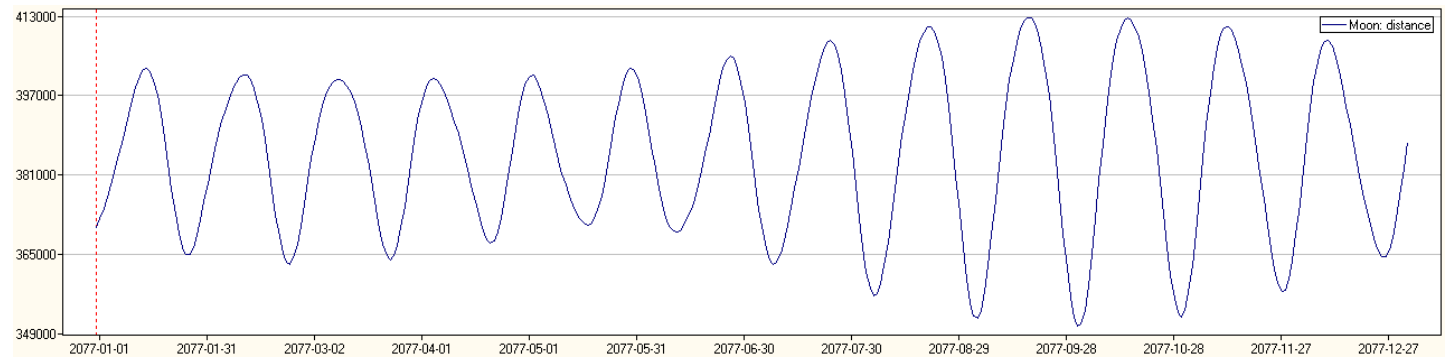
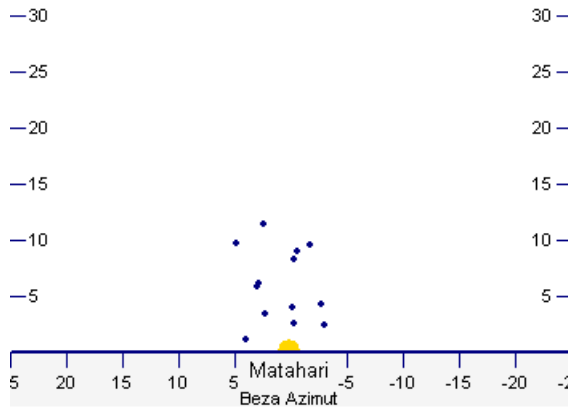
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2076-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
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 Lokasi Longitud: 114° 56' 19" E



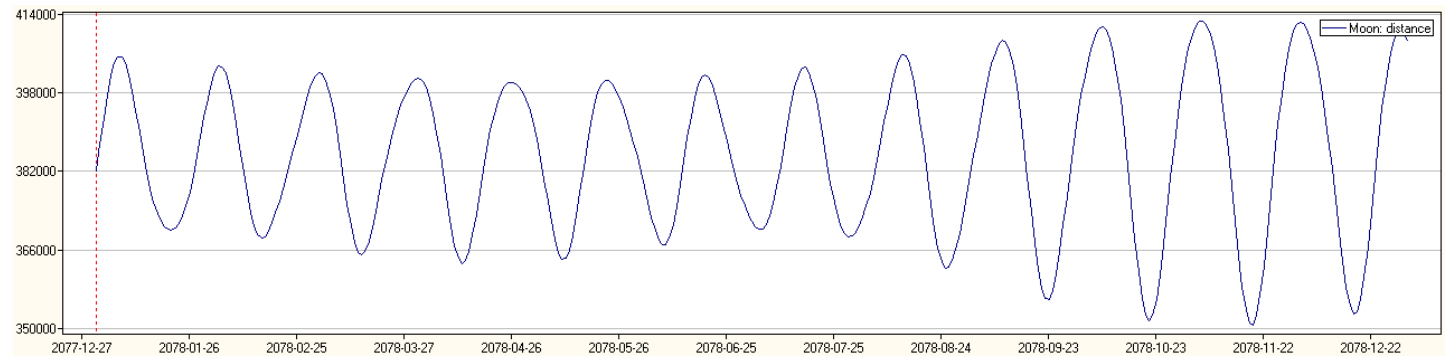
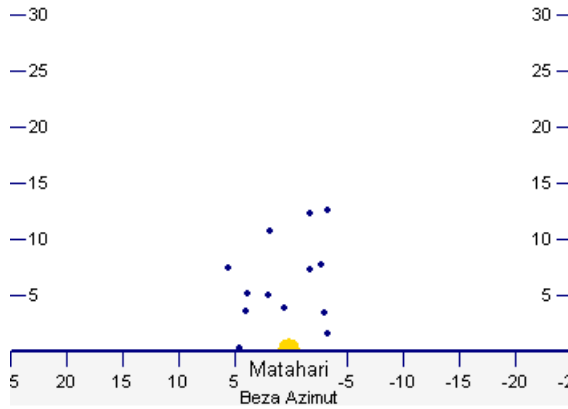
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2077-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
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 Lokasi Longitud: 114° 56' 19" E



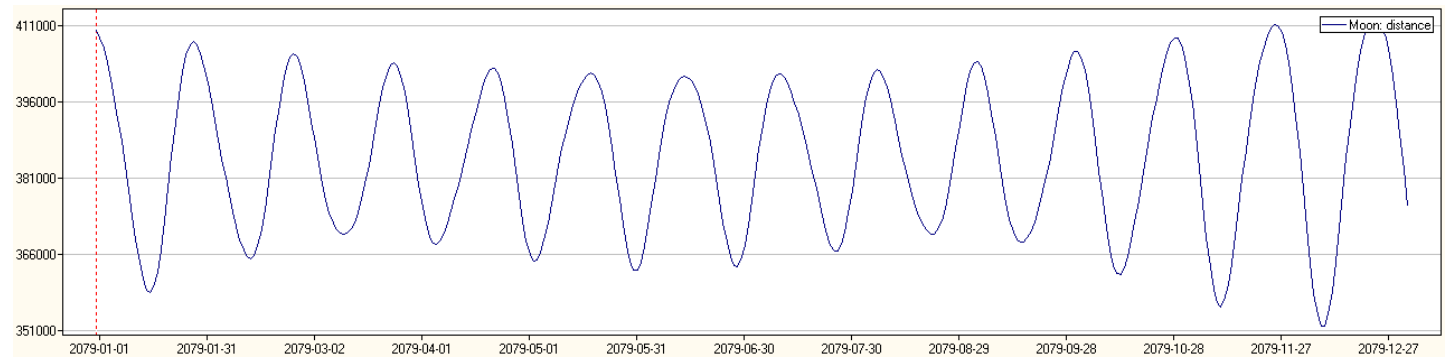
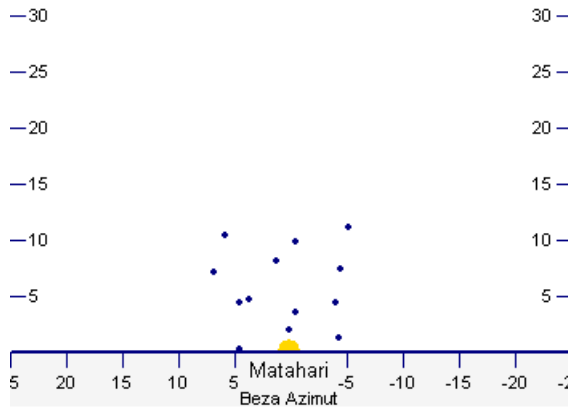
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2078-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2079-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



Jadual Kenampakan Pertama Anak Bulan

2080 – 2089

No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
991	2080-01-22	18:27:52	18:43:54	0:16:03	250° 21' 04"	246° 14' 51"	-4° 06' 13"	3° 02' 57"	8:30:00	404078	Rabiulakhir	1503
992	2080-02-21	18:33:14	19:00:02	0:26:48	259° 31' 13"	258° 39' 03"	-0° 52' 10"	5° 46' 16"	14:19:36	395711	Jamadirawal	1503
993	2080-03-22	18:30:17	19:10:33	0:40:15	271° 09' 11"	274° 51' 22"	3° 42' 11"	9° 00' 27"	22:21:54	383517	Jamadirakhir	1503
994	2080-04-20	18:26:51	18:40:47	0:13:56	282° 02' 15"	285° 22' 48"	3° 20' 33"	2° 40' 54"	9:24:38	375104	Rejab	1503
995	2080-05-20	18:28:03	19:22:51	0:54:47	290° 22' 47"	296° 29' 57"	6° 07' 10"	10° 54' 41"	23:29:07	363361	Syaban	1503
996	2080-06-18	18:34:07	19:15:30	0:41:23	293° 35' 45"	297° 49' 53"	4° 14' 08"	7° 57' 56"	15:51:13	358420	Ramadan	1503
997	2080-07-17	18:37:58	19:03:21	0:25:23	291° 08' 43"	293° 59' 09"	2° 50' 26"	4° 51' 33"	9:14:39	356699	Syawal	1503
998	2080-08-15	18:32:41	18:39:51	0:07:10	283° 47' 36"	286° 12' 38"	2° 25' 03"	1° 09' 56"	2:16:52	358551	Zulkaedah	1503
999	2080-09-14	18:20:03	18:52:48	0:32:45	273° 02' 57"	268° 18' 04"	-4° 44' 53"	7° 13' 07"	17:52:41	365704	Zulhijjah	1503
1000	2080-10-13	18:06:59	18:13:52	0:06:53	261° 51' 18"	258° 20' 45"	-3° 30' 33"	1° 10' 48"	7:20:31	374087	Muharram	1504
1001	2080-11-12	18:01:14	18:29:52	0:28:38	252° 00' 58"	244° 42' 25"	-7° 18' 33"	5° 38' 07"	18:21:36	386480	Safar	1504
1002	2080-12-12	18:09:22	19:01:27	0:52:06	246° 50' 21"	239° 50' 12"	-7° 00' 08"	10° 14' 51"	1d 2:57:11	397283	Rabiulawal	1504
1003	2081-01-10	18:23:43	18:39:53	0:16:10	248° 10' 36"	244° 02' 12"	-4° 08' 24"	3° 00' 34"	9:19:10	403474	Rabiulakhir	1504
1004	2081-02-09	18:32:29	18:57:17	0:24:49	255° 37' 49"	254° 52' 05"	-0° 45' 44"	5° 14' 54"	14:12:58	405940	Jamadirawal	1504
1005	2081-03-11	18:32:21	19:01:38	0:29:18	266° 42' 10"	270° 00' 12"	3° 18' 02"	6° 30' 39"	19:13:14	402195	Jamadirakhir	1504
1006	2081-04-10	18:27:40	19:10:36	0:42:56	278° 23' 15"	285° 18' 12"	6° 54' 57"	9° 19' 24"	1d 2:10:22	392906	Rejab	1504
1007	2081-05-09	18:26:20	18:45:56	0:19:36	287° 44' 23"	293° 19' 04"	5° 34' 41"	3° 45' 03"	12:15:09	385072	Syaban	1504
1008	2081-06-08	18:31:36	19:32:32	1:00:56	293° 05' 29"	297° 56' 19"	4° 50' 50"	12° 05' 13"	1d 1:27:37	371694	Ramadan	1504
1009	2081-07-07	18:37:10	19:19:32	0:42:22	292° 38' 10"	294° 28' 56"	1° 50' 47"	8° 29' 23"	16:50:30	364287	Syawal	1504
1010	2081-08-05	18:35:52	18:56:49	0:20:57	286° 50' 43"	286° 59' 18"	0° 08' 35"	4° 09' 44"	9:09:33	359236	Zulkaedah	1504
1011	2081-09-04	18:24:53	19:13:42	0:48:49	276° 55' 48"	268° 51' 38"	-8° 04' 10"	11° 00' 03"	1d 1:20:59	356772	Zulhijjah	1504
1012	2081-10-03	18:10:48	18:37:17	0:26:29	265° 44' 30"	258° 23' 56"	-7° 20' 34"	5° 34' 40"	16:45:09	359373	Muharram	1505
1013	2081-11-01	18:01:59	18:06:02	0:04:03	255° 18' 47"	249° 42' 13"	-5° 36' 33"	0° 31' 09"	6:55:29	365142	Safar	1505
1014	2081-12-01	18:05:15	18:42:59	0:37:44	248° 04' 12"	240° 46' 32"	-7° 17' 40"	7° 14' 57"	19:26:40	376103	Rabiulawal	1505
1015	2081-12-30	18:18:16	18:26:50	0:08:34	246° 53' 20"	242° 39' 31"	-4° 13' 49"	1° 23' 18"	5:47:29	385676	Rabiulakhir	1505
1016	2082-01-29	18:30:41	18:55:14	0:24:34	252° 15' 28"	251° 42' 40"	-0° 32' 47"	5° 03' 57"	13:41:33	396905	Jamadirawal	1505
1017	2082-02-28	18:33:31	19:02:56	0:29:26	262° 19' 48"	266° 10' 15"	3° 50' 26"	6° 32' 07"	19:42:31	404114	Jamadirakhir	1505
1018	2082-03-30	18:29:18	19:05:55	0:36:37	274° 06' 39"	281° 16' 49"	7° 10' 10"	8° 04' 33"	1d 1:21:58	405350	Rejab	1505
1019	2082-04-28	18:26:01	18:33:35	0:07:34	284° 29' 13"	289° 56' 56"	5° 27' 43"	1° 19' 29"	8:21:24	403423	Syaban	1505
1020	2082-05-28	18:29:24	19:02:33	0:33:09	291° 44' 09"	297° 08' 31"	5° 24' 22"	6° 27' 29"	17:39:50	394221	Ramadan	1505
1021	2082-06-26	18:35:45	18:45:50	0:10:05	293° 30' 07"	297° 00' 43"	3° 30' 37"	1° 41' 29"	5:17:23	386434	Syawal	1505
1022	2082-07-26	18:37:14	19:15:57	0:38:43	289° 24' 49"	287° 15' 04"	-2° 09' 45"	8° 12' 12"	18:40:26	372998	Zulkaedah	1505

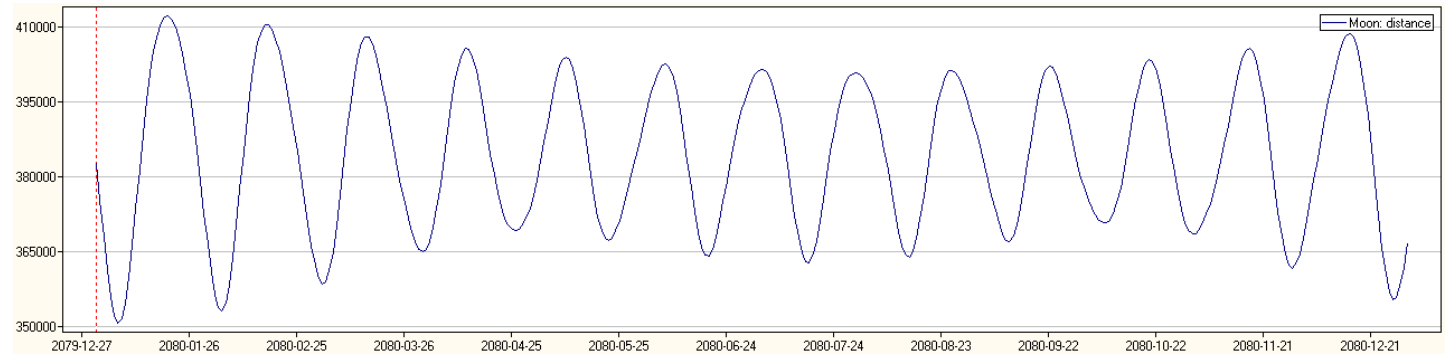
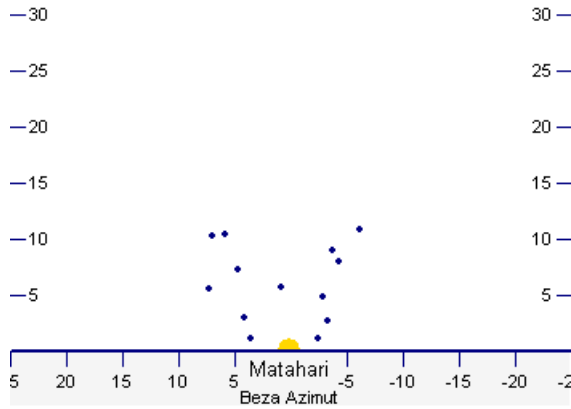
No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
1023	2082-08-24	18:29:56	18:43:20	0:13:24	280° 58' 15"	277° 52' 57"	-3° 05' 19"	2° 37' 47"	9:09:33	365544	Zulhijjah	1505
1024	2082-09-23	18:15:45	18:56:09	0:40:24	269° 43' 57"	259° 26' 44"	-10° 17' 13"	8° 50' 29"	1d 0:09:31	357892	Muharram	1506
1025	2082-10-22	18:04:14	18:26:25	0:22:11	258° 45' 30"	250° 26' 24"	-8° 19' 06"	4° 21' 45"	15:11:17	356578	Safar	1506
1026	2082-11-20	18:02:31	18:05:37	0:03:06	250° 10' 54"	244° 28' 12"	-5° 42' 42"	0° 14' 05"	5:40:34	358853	Rabiulawal	1506
1027	2082-12-20	18:12:55	18:56:54	0:43:59	246° 33' 26"	242° 15' 59"	-4° 17' 27"	8° 37' 54"	18:59:43	366548	Rabiulakhir	1506
1028	2083-01-18	18:26:29	18:38:36	0:12:07	249° 32' 12"	248° 31' 54"	-1° 00' 18"	2° 11' 06"	6:34:03	375468	Jamadalawal	1506
1029	2083-02-17	18:33:08	18:59:46	0:26:38	258° 11' 07"	262° 03' 15"	3° 52' 08"	5° 46' 07"	16:15:12	388145	Jamadalakhir	1506
1030	2083-03-19	18:31:08	19:07:05	0:35:57	269° 40' 50"	277° 21' 27"	7° 40' 37"	8° 00' 01"	1d 0:31:57	398824	Rejab	1506
1031	2083-04-17	18:26:43	18:32:39	0:05:55	280° 44' 10"	286° 27' 42"	5° 43' 32"	1° 00' 52"	8:14:38	404518	Syaban	1506
1032	2083-05-17	18:27:08	18:53:07	0:25:59	289° 34' 29"	295° 11' 08"	5° 36' 40"	5° 05' 55"	16:10:49	405899	Ramadan	1506
1033	2083-06-16	18:33:23	19:22:26	0:49:03	293° 31' 42"	295° 32' 14"	2° 00' 33"	9° 58' 57"	1d 0:53:15	400890	Syawal	1506
1034	2083-07-15	18:37:37	18:56:16	0:18:39	291° 35' 45"	291° 09' 00"	-0° 26' 46"	3° 39' 09"	10:40:39	395276	Zulkaedah	1506
1035	2083-08-14	18:33:43	19:07:27	0:33:44	284° 20' 29"	277° 47' 33"	-6° 32' 55"	7° 25' 47"	21:46:07	382915	Zulhijjah	1506
1036	2083-09-12	18:21:06	18:29:41	0:08:36	274° 05' 12"	268° 09' 10"	-5° 56' 02"	1° 35' 38"	10:11:17	374458	Muharram	1507
1037	2083-10-12	18:07:41	18:45:18	0:37:37	262° 29' 58"	251° 45' 48"	-10° 44' 10"	7° 53' 47"	23:41:52	363012	Safar	1507
1038	2083-11-10	18:01:41	18:23:52	0:22:11	252° 46' 12"	245° 32' 59"	-7° 13' 13"	4° 10' 59"	13:44:19	358137	Rabiulawal	1507
1039	2083-12-09	18:08:02	18:10:31	0:02:30	247° 08' 51"	243° 28' 12"	-3° 40' 39"	0° 04' 14"	3:40:46	356685	Rabiulakhir	1507
1040	2084-01-08	18:22:18	19:02:23	0:40:05	247° 46' 39"	248° 07' 33"	0° 20' 54"	8° 11' 49"	17:02:42	359683	Jamadalawal	1507
1041	2084-02-06	18:32:23	18:39:13	0:06:50	254° 27' 25"	257° 02' 47"	2° 35' 22"	1° 08' 16"	5:37:08	366471	Jamadalakhir	1507
1042	2084-03-07	18:32:54	18:59:10	0:26:17	265° 14' 22"	272° 19' 04"	7° 04' 41"	5° 42' 00"	17:26:36	378231	Rejab	1507
1043	2084-04-06	18:28:10	19:15:50	0:47:40	276° 59' 45"	286° 08' 19"	9° 08' 33"	10° 20' 23"	1d 4:33:24	390500	Syaban	1507
1044	2084-05-05	18:26:15	18:48:58	0:22:43	286° 43' 37"	292° 24' 12"	5° 40' 35"	4° 29' 33"	14:51:10	398409	Ramadan	1507
1045	2084-06-04	18:30:45	19:16:50	0:46:05	292° 43' 50"	295° 05' 15"	2° 21' 25"	9° 23' 50"	1d 0:14:45	404340	Syawal	1507
1046	2084-07-03	18:36:47	18:50:23	0:13:36	293° 00' 50"	292° 34' 05"	-0° 26' 44"	2° 33' 38"	8:56:03	406122	Zulkaedah	1507
1047	2084-08-02	18:36:36	18:59:43	0:23:07	287° 34' 53"	282° 15' 08"	-5° 19' 45"	4° 54' 55"	17:29:56	401953	Zulhijjah	1507
1048	2084-09-01	18:26:10	19:00:09	0:34:00	277° 56' 02"	267° 53' 07"	-10° 02' 54"	7° 36' 29"	1d 2:38:49	392487	Muharram	1508
1049	2084-09-30	18:12:08	18:22:18	0:10:10	266° 47' 57"	259° 17' 24"	-7° 30' 33"	1° 56' 04"	12:53:07	384560	Safar	1508
1050	2084-10-30	18:02:18	18:44:25	0:42:08	255° 52' 06"	246° 49' 39"	-9° 02' 27"	8° 37' 45"	1d 0:12:53	371273	Rabiulawal	1508
1051	2084-11-28	18:03:56	18:28:11	0:24:14	248° 29' 46"	244° 24' 18"	-4° 05' 28"	4° 35' 05"	12:22:18	363783	Rabiulakhir	1508
1052	2084-12-28	18:17:13	19:19:29	1:02:16	246° 46' 30"	247° 23' 44"	0° 37' 14"	13° 01' 31"	1d 1:07:44	356773	Jamadalawal	1508
1053	2085-01-26	18:29:26	18:59:11	0:29:45	251° 31' 33"	255° 56' 36"	4° 25' 03"	6° 13' 19"	14:20:12	356441	Jamadalakhir	1508
1054	2085-02-25	18:33:25	19:27:57	0:54:32	261° 17' 48"	270° 57' 16"	9° 39' 28"	12° 19' 26"	1d 3:58:32	361437	Rejab	1508
1055	2085-03-26	18:30:05	18:59:11	0:29:06	272° 39' 23"	280° 32' 13"	7° 52' 50"	6° 12' 05"	17:50:19	368537	Syaban	1508
1056	2085-04-24	18:26:37	18:34:20	0:07:43	283° 18' 05"	288° 17' 29"	4° 59' 24"	1° 18' 19"	7:24:57	377534	Ramadan	1508
1057	2085-05-24	18:28:23	19:08:21	0:39:58	291° 05' 47"	293° 38' 05"	2° 32' 18"	8° 07' 35"	20:02:30	389662	Syawal	1508
1058	2085-06-22	18:34:57	18:45:30	0:10:33	293° 35' 38"	292° 54' 14"	-0° 41' 24"	1° 53' 21"	7:14:04	397941	Zulkaedah	1508
1059	2085-07-22	18:37:37	19:00:35	0:22:58	290° 13' 02"	284° 52' 59"	-5° 20' 03"	4° 49' 17"	16:52:15	404637	Zulhijjah	1508

No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
1060	2085-08-21	18:30:53	19:00:39	0:29:46	281° 53' 48"	272° 33' 51"	-9° 19' 57"	6° 38' 01"	1d 1:17:39	405461	Muharram	1509
1061	2085-09-20	18:17:05	18:59:34	0:42:29	270° 47' 40"	259° 07' 53"	-11° 39' 47"	9° 29' 05"	1d 9:07:41	400003	Safar	1509
1062	2085-10-19	18:04:56	18:24:57	0:20:01	259° 43' 37"	252° 39' 21"	-7° 04' 17"	4° 03' 58"	17:02:36	393882	Rabiulawal	1509
1063	2085-11-18	18:02:02	18:52:15	0:50:13	250° 34' 23"	245° 17' 18"	-5° 17' 06"	10° 18' 34"	1d 1:38:51	380949	Rabiulakhir	1509
1064	2085-12-17	18:11:51	18:35:24	0:23:33	246° 36' 59"	246° 46' 53"	0° 09' 54"	4° 34' 05"	11:31:09	372303	Jamadalawal	1509
1065	2086-01-16	18:26:02	19:16:25	0:50:23	249° 11' 46"	254° 29' 59"	5° 18' 13"	10° 54' 45"	22:59:37	361315	Jamadalakhir	1509
1066	2086-02-14	18:33:07	18:52:37	0:19:30	257° 14' 25"	263° 45' 54"	6° 31' 29"	4° 00' 21"	12:03:31	357417	Rejab	1509
1067	2086-03-16	18:31:33	19:24:00	0:52:27	268° 35' 53"	278° 04' 59"	9° 29' 05"	11° 39' 08"	1d 2:24:58	356986	Syaban	1509
1068	2086-04-14	18:27:29	19:01:25	0:33:56	279° 46' 29"	285° 48' 08"	6° 01' 39"	7° 06' 06"	17:31:47	361037	Ramadan	1509
1069	2086-05-13	18:26:42	18:42:56	0:16:14	288° 42' 01"	290° 51' 11"	2° 09' 10"	3° 02' 30"	8:42:50	368031	Syawal	1509
1070	2086-06-12	18:32:42	19:22:20	0:49:38	293° 21' 40"	290° 57' 19"	-2° 24' 21"	10° 24' 07"	23:17:49	379872	Zulkaedah	1509
1071	2086-07-11	18:37:23	18:55:53	0:18:30	292° 09' 01"	287° 12' 26"	-4° 56' 35"	3° 42' 12"	12:32:49	389328	Zulhijjah	1509
1072	2086-08-10	18:34:43	19:05:12	0:30:29	285° 28' 08"	276° 23' 49"	-9° 04' 19"	6° 44' 26"	23:54:11	399574	Muharram	1510
1073	2086-09-08	18:23:09	18:24:48	0:01:40	275° 30' 26"	269° 14' 54"	-6° 15' 32"	0° 03' 42"	9:03:12	404914	Safar	1510
1074	2086-10-08	18:08:46	18:25:14	0:16:28	263° 54' 03"	257° 27' 09"	-6° 26' 55"	3° 23' 38"	16:09:45	405999	Rabiulawal	1510
1075	2086-11-07	18:01:26	18:37:25	0:35:59	253° 32' 43"	249° 00' 33"	-4° 32' 09"	7° 31' 05"	22:05:18	400776	Rabiulakhir	1510
1076	2086-12-06	18:06:28	18:12:16	0:05:48	247° 25' 41"	248° 08' 33"	0° 42' 52"	0° 55' 30"	4:16:03	394930	Jamadalawal	1510
1077	2087-01-05	18:20:49	18:43:09	0:22:20	247° 25' 56"	251° 26' 04"	4° 00' 07"	4° 30' 03"	12:07:15	382275	Jamadalakhir	1510
1078	2087-02-04	18:31:32	19:13:03	0:41:31	253° 55' 09"	261° 32' 08"	7° 37' 00"	9° 10' 10"	22:18:21	369323	Rejab	1510
1079	2087-03-05	18:32:46	18:47:17	0:14:31	264° 10' 01"	270° 28' 22"	6° 18' 21"	2° 53' 45"	10:44:54	362630	Syaban	1510
1080	2087-04-04	18:28:35	19:21:44	0:53:10	275° 57' 35"	282° 43' 53"	6° 46' 18"	11° 36' 27"	1d 1:00:06	356757	Ramadan	1510
1081	2087-05-03	18:26:02	19:03:58	0:37:56	285° 56' 20"	288° 11' 57"	2° 15' 37"	7° 51' 51"	16:32:21	357078	Syawal	1510
1082	2087-06-01	18:29:49	18:48:41	0:18:53	292° 16' 26"	290° 33' 15"	-1° 43' 11"	3° 35' 33"	8:48:33	360922	Zulkaedah	1510
1083	2087-07-01	18:36:25	19:28:16	0:51:50	293° 13' 51"	286° 18' 19"	-6° 55' 32"	11° 11' 18"	1d 1:03:02	370255	Zulhijjah	1510
1084	2087-07-30	18:36:45	18:59:19	0:22:34	288° 31' 02"	280° 48' 44"	-7° 42' 19"	4° 44' 05"	16:13:45	379301	Muharram	1511
1085	2087-08-29	18:27:48	19:08:58	0:41:10	279° 16' 59"	268° 47' 34"	-10° 29' 25"	9° 18' 14"	1d 5:16:57	391353	Safar	1511
1086	2087-09-27	18:14:10	18:30:31	0:16:21	268° 15' 31"	262° 12' 10"	-6° 03' 21"	3° 24' 14"	15:24:47	399023	Rabiulawal	1511
1087	2087-10-27	18:02:43	18:38:25	0:35:42	257° 05' 57"	252° 41' 23"	-4° 24' 34"	7° 39' 18"	22:30:41	404757	Rabiulakhir	1511
1088	2087-11-25	18:03:29	18:07:52	0:04:23	249° 11' 07"	250° 23' 01"	1° 11' 54"	0° 40' 57"	3:37:12	406379	Jamadalawal	1511
1089	2087-12-25	18:15:04	18:29:08	0:14:04	246° 36' 28"	250° 27' 03"	3° 50' 35"	2° 42' 41"	8:29:50	401923	Jamadalakhir	1511
1090	2088-01-24	18:28:41	18:51:19	0:22:38	250° 50' 47"	256° 54' 53"	6° 04' 05"	4° 44' 45"	14:47:33	392123	Rejab	1511
1091	2088-02-23	18:33:41	19:12:31	0:38:49	260° 17' 15"	267° 37' 59"	7° 20' 45"	8° 40' 04"	23:21:54	379259	Syaban	1511
1092	2088-03-23	18:30:07	18:45:34	0:15:27	271° 34' 20"	275° 40' 28"	4° 06' 09"	3° 07' 03"	10:27:03	370951	Ramadan	1511
1093	2088-04-22	18:26:31	19:21:10	0:54:40	282° 43' 31"	285° 19' 45"	2° 36' 14"	11° 48' 55"	23:59:04	360584	Syawal	1511
1094	2088-05-21	18:28:15	19:05:32	0:37:18	290° 35' 15"	288° 38' 07"	-1° 57' 08"	7° 41' 51"	15:36:49	357176	Zulkaedah	1511
1095	2088-06-19	18:34:00	18:50:35	0:16:35	293° 35' 30"	288° 44' 58"	-4° 50' 32"	3° 07' 53"	8:37:35	357225	Zulhijjah	1511
1096	2088-07-19	18:37:48	19:28:38	0:50:50	290° 45' 22"	281° 26' 26"	-9° 18' 56"	11° 11' 09"	1d 1:56:36	362296	Muharram	1512

No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
1097	2088-08-17	18:32:01	18:59:12	0:27:11	283° 07' 34"	275° 04' 07"	-8° 03' 27"	5° 51' 41"	18:13:54	369475	Safar	1512
1098	2088-09-15	18:19:09	18:26:14	0:07:04	272° 37' 40"	268° 14' 50"	-4° 22' 50"	1° 15' 38"	8:18:41	378344	Rabiulawal	1512
1099	2088-10-15	18:06:18	18:38:54	0:32:35	261° 05' 29"	257° 11' 35"	-3° 53' 55"	7° 03' 28"	19:24:07	390420	Rabiulakhir	1512
1100	2088-11-13	18:01:49	18:07:18	0:05:29	251° 45' 00"	253° 21' 20"	1° 36' 20"	0° 54' 29"	3:27:25	398581	Jamadirawal	1512
1101	2088-12-13	18:10:01	18:26:29	0:16:28	246° 46' 54"	250° 32' 50"	3° 45' 57"	3° 14' 53"	9:15:32	405127	Jamadirakhir	1512
1102	2089-01-12	18:24:23	18:45:37	0:21:15	248° 30' 50"	253° 59' 04"	5° 28' 13"	4° 24' 06"	14:04:01	405684	Rejab	1512
1103	2089-02-11	18:33:05	19:00:49	0:27:44	256° 19' 19"	262° 11' 23"	5° 52' 04"	6° 03' 37"	19:14:28	399891	Syaban	1512
1104	2089-03-13	18:31:55	19:16:19	0:44:24	267° 30' 56"	272° 37' 54"	5° 06' 59"	10° 01' 28"	1d 2:05:09	389004	Ramadan	1512
1105	2089-04-11	18:27:47	18:48:35	0:20:48	278° 46' 52"	279° 38' 05"	0° 51' 13"	4° 20' 24"	11:39:26	380657	Syawal	1512
1106	2089-05-11	18:26:43	19:23:00	0:56:17	288° 16' 21"	286° 42' 51"	-1° 33' 30"	12° 07' 46"	1d 0:20:27	367741	Zulkaedah	1512
1107	2089-06-09	18:32:04	19:07:02	0:34:58	293° 10' 32"	288° 07' 30"	-5° 03' 03"	7° 13' 32"	15:45:00	361384	Zulhijjah	1512
1108	2089-07-08	18:37:15	18:50:22	0:13:07	292° 30' 15"	286° 30' 09"	-6° 00' 06"	2° 25' 25"	8:46:57	357793	Muharram	1513
1109	2089-08-07	18:35:17	19:25:45	0:50:27	286° 15' 34"	277° 08' 50"	-9° 06' 44"	11° 14' 05"	1d 2:04:42	357579	Safar	1513
1110	2089-09-05	18:24:08	18:56:47	0:32:39	276° 31' 37"	270° 19' 45"	-6° 11' 52"	7° 09' 02"	18:23:36	361697	Rabiulawal	1513
1111	2089-10-04	18:10:25	18:25:55	0:15:30	265° 20' 04"	263° 38' 48"	-1° 41' 16"	3° 07' 25"	8:52:44	368599	Rabiulakhir	1513
1112	2089-11-03	18:01:50	18:47:20	0:45:29	254° 40' 22"	253° 44' 17"	-0° 56' 05"	9° 50' 46"	21:04:07	380372	Jamadirawal	1513
1113	2089-12-02	18:05:16	18:20:00	0:14:44	247° 54' 49"	251° 41' 16"	3° 46' 26"	2° 51' 03"	6:51:02	389854	Jamadirakhir	1513

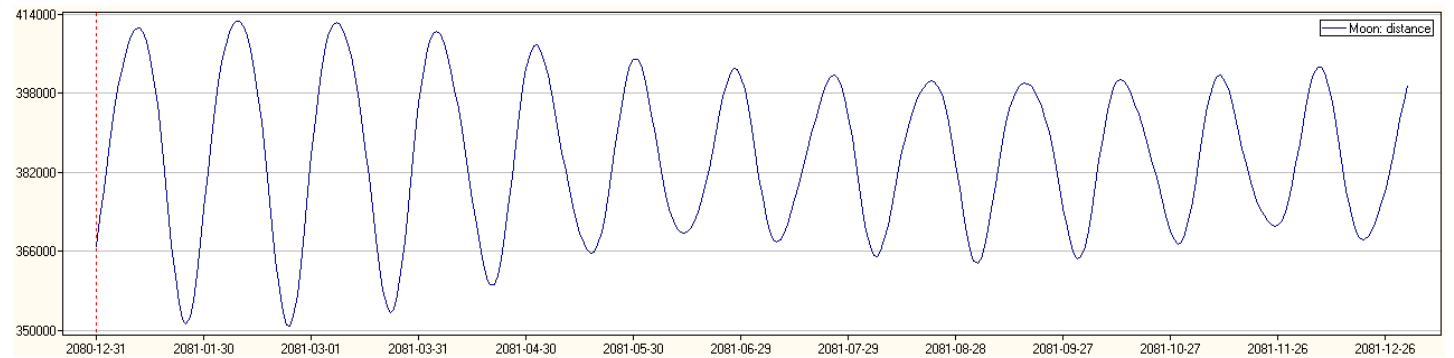
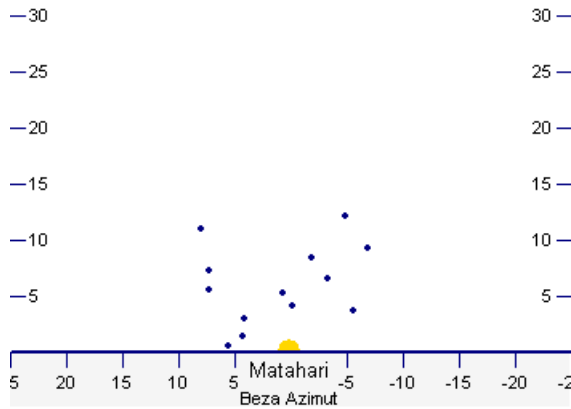
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2080-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



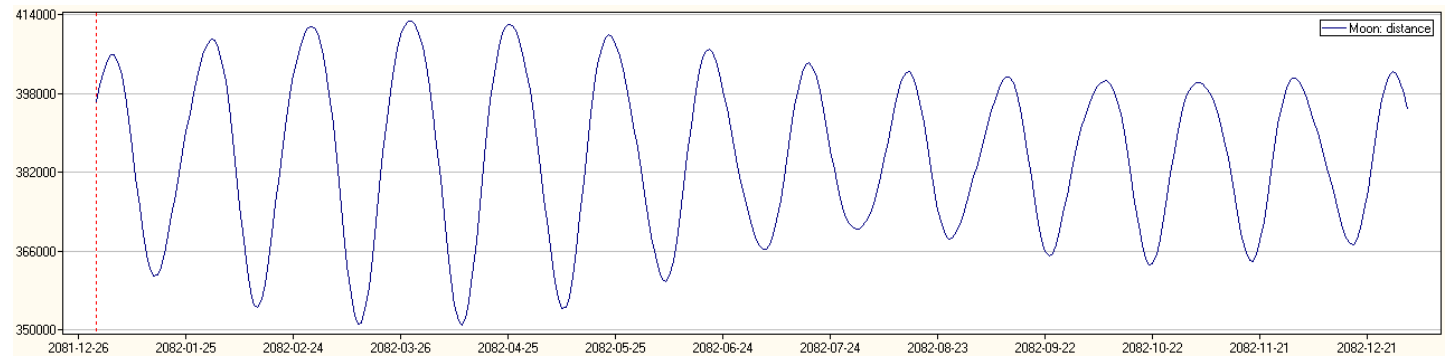
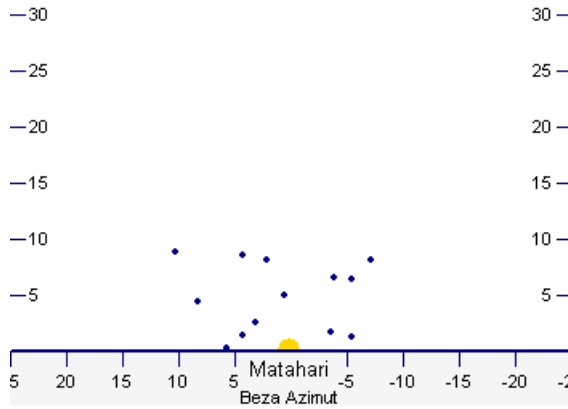
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2081-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



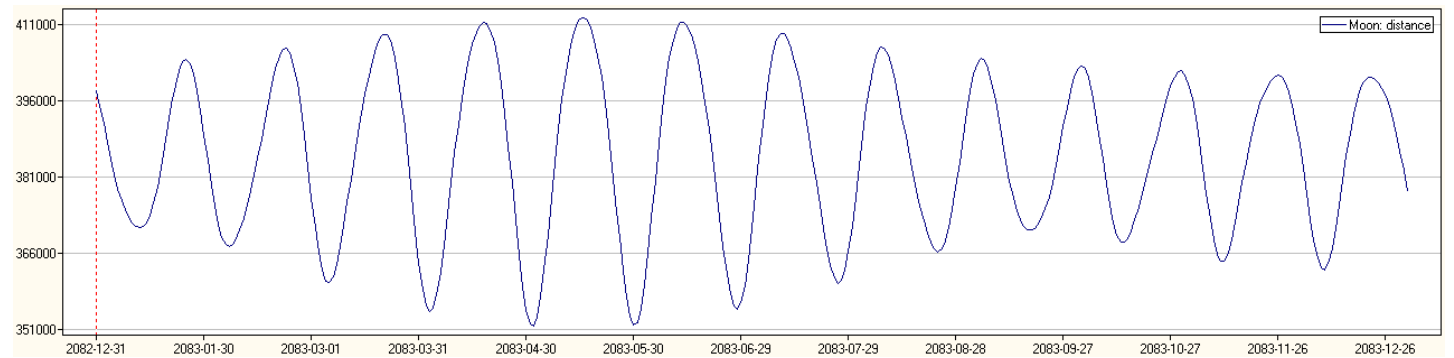
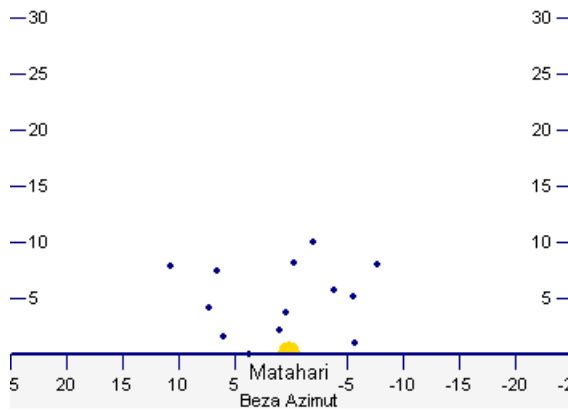
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2082-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



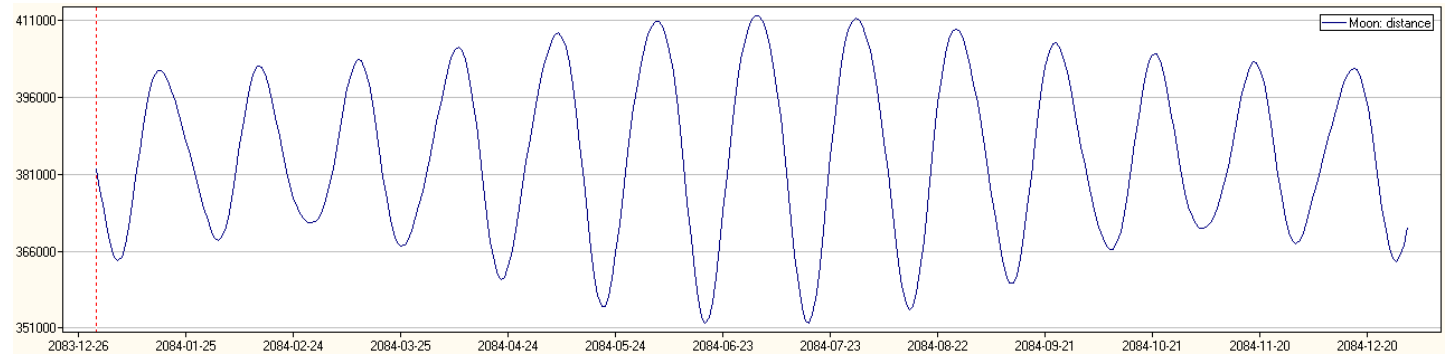
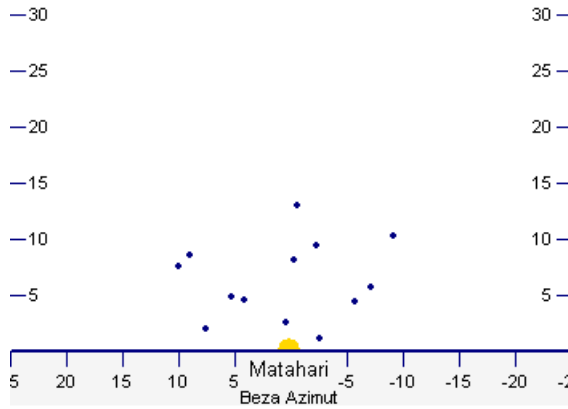
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2083-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



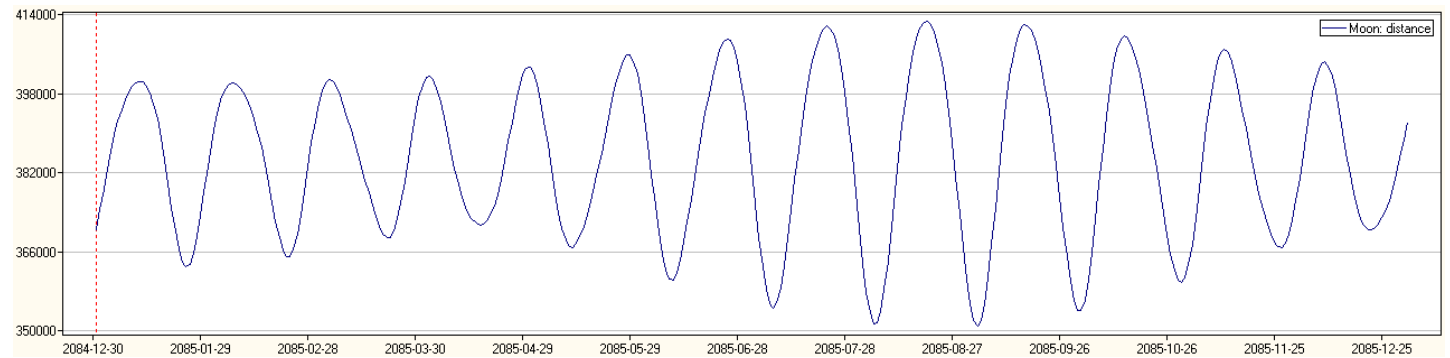
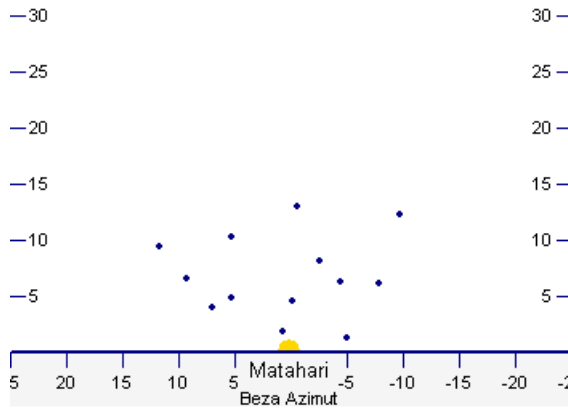
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2084-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



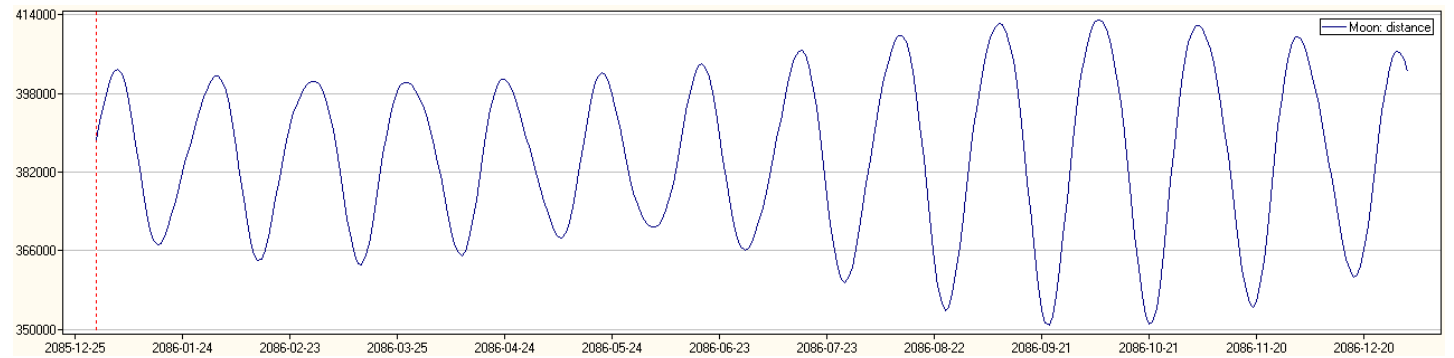
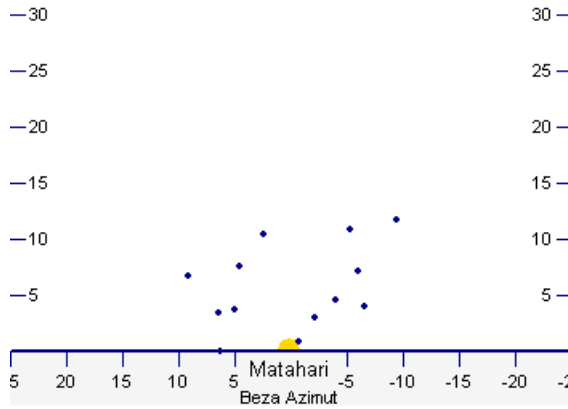
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2085-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



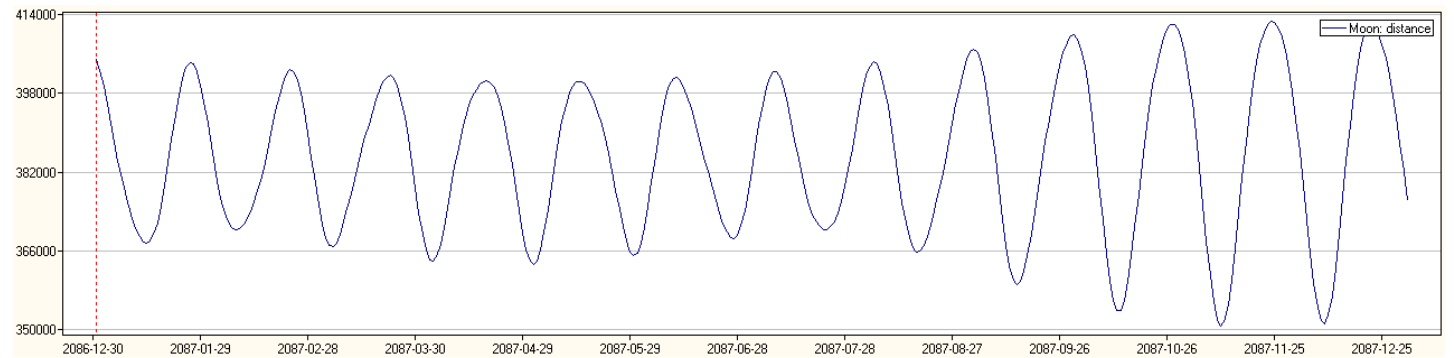
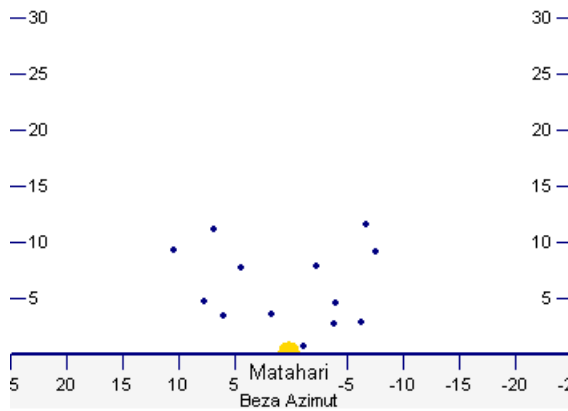
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2086-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



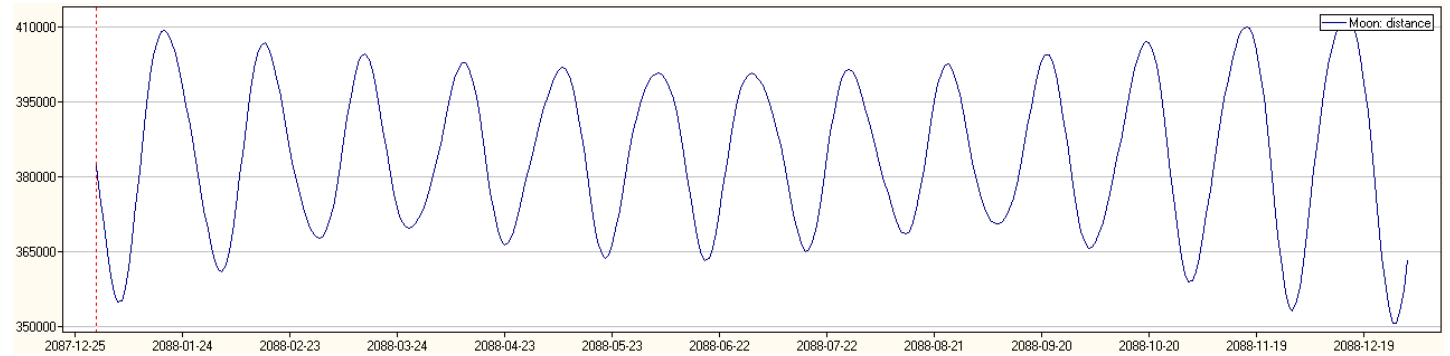
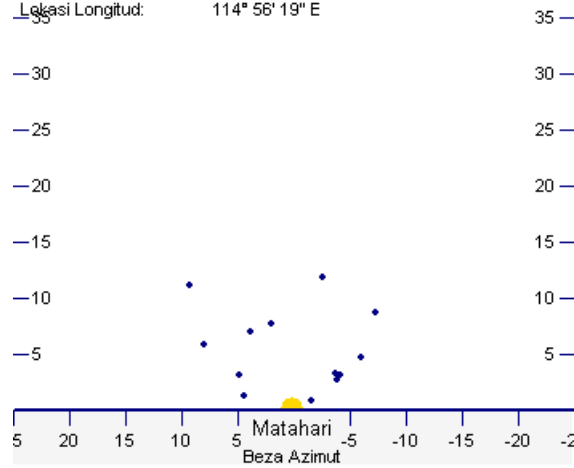
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2087-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



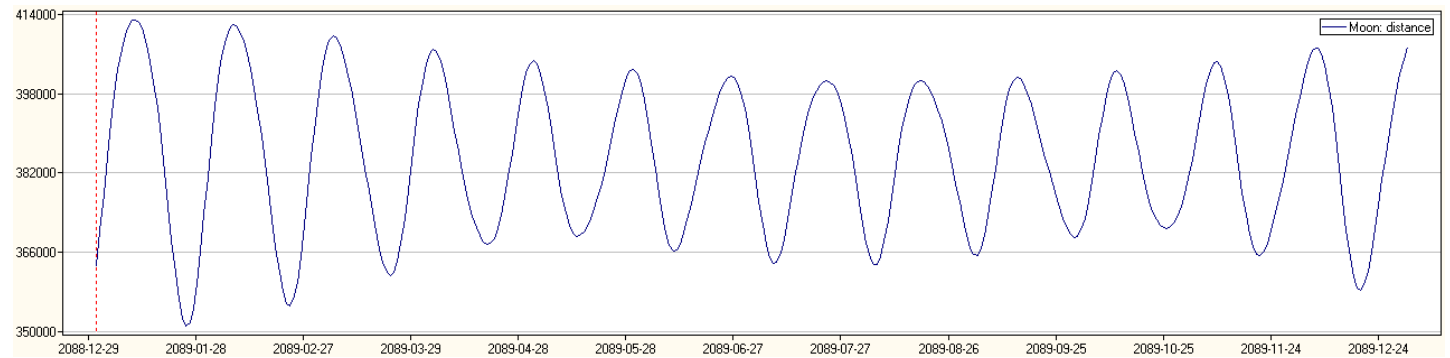
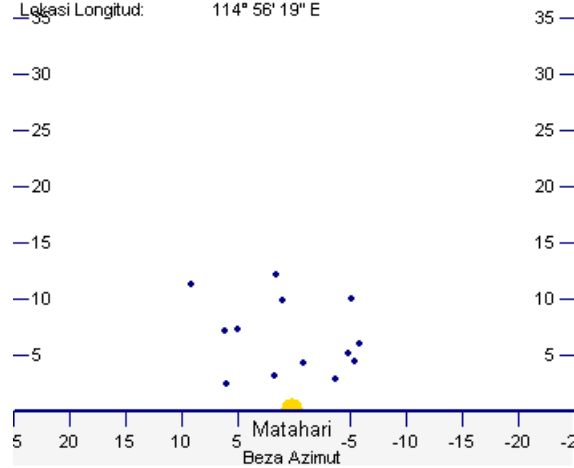
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2088-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2089-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



Jadual Kenampakan Pertama Anak Bulan

2090 – 2099

No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
1114	2090-01-01	18:18:51	18:43:54	0:25:03	247° 03' 05"	251° 54' 24"	4° 51' 19"	5° 10' 52"	14:19:18	400063	Rejab	1513
1115	2090-01-31	18:31:04	19:01:13	0:30:09	252° 50' 04"	257° 51' 16"	5° 01' 12"	6° 33' 10"	19:54:06	405344	Syaban	1513
1116	2090-03-02	18:33:08	19:12:14	0:39:06	263° 06' 57"	267° 05' 02"	3° 58' 05"	8° 49' 43"	1d 0:43:58	404267	Ramadan	1513
1117	2090-03-31	18:28:55	18:38:48	0:09:52	274° 31' 02"	274° 13' 26"	-0° 17' 35"	1° 56' 08"	6:37:59	400881	Syawal	1513
1118	2090-04-30	18:26:22	18:56:28	0:30:06	285° 07' 44"	282° 58' 49"	-2° 08' 55"	6° 26' 37"	15:11:32	390274	Zulkaedah	1513
1119	2090-05-29	18:29:19	18:32:58	0:03:39	291° 53' 12"	287° 10' 18"	-4° 42' 55"	0° 29' 34"	2:57:06	382170	Zulhijjah	1513
1120	2090-06-28	18:36:10	19:09:46	0:33:36	293° 24' 10"	287° 16' 56"	-6° 07' 14"	6° 59' 52"	17:22:19	369113	Muharram	1514
1121	2090-07-27	18:37:28	18:49:42	0:12:14	289° 10' 28"	284° 10' 05"	-5° 00' 23"	2° 16' 52"	9:15:40	362568	Safar	1514
1122	2090-08-26	18:28:58	19:20:36	0:51:38	280° 14' 57"	273° 16' 24"	-6° 58' 33"	11° 35' 44"	1d 1:27:31	356853	Rabiulawal	1514
1123	2090-09-24	18:15:20	18:52:05	0:36:45	269° 19' 19"	266° 09' 39"	-3° 09' 41"	8° 05' 05"	17:09:39	357159	Rabiulakhir	1514
1124	2090-10-23	18:03:57	18:23:36	0:19:38	258° 23' 28"	259° 43' 50"	1° 20' 22"	4° 00' 25"	7:51:43	360908	Jamadirawal	1514
1125	2090-11-22	18:02:45	18:53:59	0:51:15	249° 44' 14"	251° 09' 17"	1° 25' 03"	10° 56' 50"	21:11:29	370275	Jamadirakhir	1514
1126	2090-12-21	18:13:14	18:30:47	0:17:33	246° 33' 18"	250° 52' 27"	4° 19' 10"	3° 25' 05"	8:41:18	379649	Rejab	1514
1127	2091-01-20	18:27:37	18:58:55	0:31:19	249° 59' 18"	253° 56' 58"	3° 57' 40"	6° 38' 46"	17:53:57	391952	Syaban	1514
1128	2091-02-19	18:33:26	19:15:31	0:42:05	258° 55' 33"	262° 02' 02"	3° 06' 29"	9° 26' 48"	1d 0:52:21	401183	Ramadan	1514
1129	2091-03-20	18:30:47	18:41:14	0:10:27	270° 05' 52"	269° 14' 22"	-0° 51' 29"	2° 05' 06"	6:42:18	405611	Syawal	1514
1130	2091-04-19	18:26:48	18:51:06	0:24:18	281° 27' 33"	278° 59' 13"	-2° 28' 20"	5° 14' 35"	13:04:17	405058	Zulkaedah	1514
1131	2091-05-19	18:27:46	19:08:46	0:41:00	290° 01' 41"	286° 14' 14"	-3° 47' 26"	8° 50' 16"	21:18:12	398368	Zulhijjah	1514
1132	2091-06-17	18:33:47	18:44:30	0:10:44	293° 33' 26"	288° 43' 32"	-4° 49' 54"	1° 58' 32"	7:50:05	391847	Muharram	1515
1133	2091-07-17	18:37:35	19:14:31	0:36:56	291° 14' 44"	285° 59' 18"	-5° 15' 26"	7° 51' 22"	20:19:14	378674	Safar	1515
1134	2091-08-15	18:33:00	18:49:38	0:16:38	283° 59' 58"	281° 21' 07"	-2° 38' 51"	3° 19' 58"	10:08:23	370347	Rabiulawal	1515
1135	2091-09-14	18:20:14	19:14:10	0:53:56	273° 18' 01"	269° 04' 46"	-4° 13' 15"	12° 11' 22"	1d 0:43:00	360086	Rabiulakhir	1515
1136	2091-10-13	18:07:17	18:45:46	0:38:29	262° 06' 24"	261° 47' 36"	-0° 18' 48"	8° 25' 18"	15:35:46	356620	Jamadirawal	1515
1137	2091-11-11	18:01:12	18:19:43	0:18:31	252° 28' 22"	255° 48' 54"	3° 20' 32"	3° 40' 03"	6:16:13	356718	Jamadirakhir	1515
1138	2091-12-11	18:08:25	18:58:35	0:50:10	246° 57' 50"	249° 08' 05"	2° 10' 15"	10° 30' 35"	20:11:36	362019	Rejab	1515
1139	2092-01-09	18:22:33	18:38:54	0:16:21	247° 55' 29"	250° 45' 49"	2° 50' 20"	3° 07' 08"	8:42:56	369843	Syaban	1515
1140	2092-02-08	18:32:40	19:10:14	0:37:34	255° 06' 20"	256° 52' 10"	1° 45' 50"	8° 09' 20"	19:27:04	382224	Ramadan	1515
1141	2092-03-08	18:32:16	18:40:22	0:08:05	265° 38' 41"	264° 00' 58"	-1° 37' 42"	1° 30' 31"	4:33:12	391708	Syawal	1515
1142	2092-04-07	18:27:51	18:52:51	0:25:00	277° 23' 22"	274° 49' 21"	-2° 34' 00"	5° 27' 04"	12:43:48	401185	Zulkaedah	1515
1143	2092-05-07	18:26:17	19:05:41	0:39:24	287° 17' 30"	284° 09' 34"	-3° 07' 56"	8° 35' 56"	20:44:38	405451	Zulhijjah	1515
1144	2092-06-05	18:31:06	18:37:05	0:05:59	292° 50' 27"	288° 34' 24"	-4° 16' 03"	1° 00' 51"	5:10:47	405843	Muharram	1516
1145	2092-07-05	18:36:49	18:59:39	0:22:50	292° 48' 26"	289° 24' 27"	-3° 24' 00"	4° 37' 42"	14:23:22	399461	Safar	1516

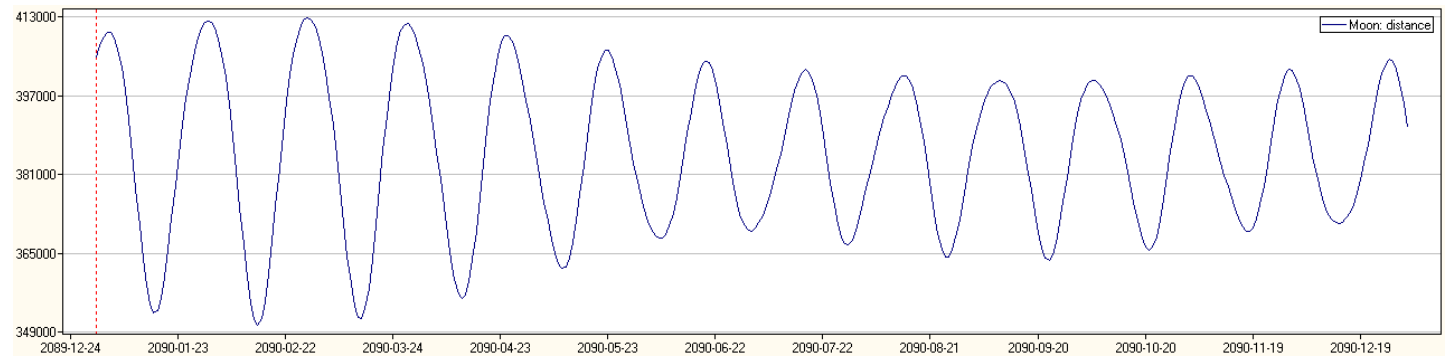
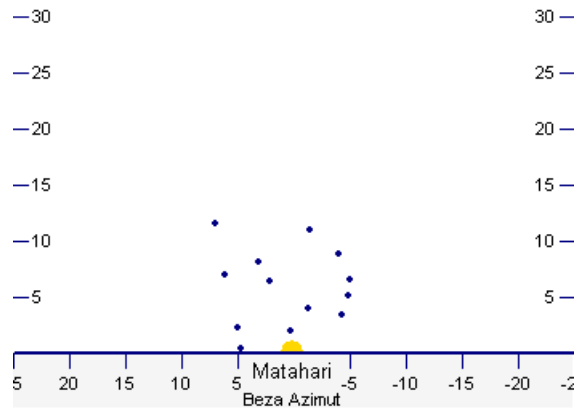
No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
1146	2092-08-04	18:35:54	19:21:05	0:45:12	287° 01' 18"	283° 25' 14"	-3° 36' 04"	9° 54' 54"	1d 0:38:48	388245	Rabiulawal	1516
1147	2092-09-02	18:25:29	18:50:17	0:24:47	277° 32' 33"	277° 11' 51"	-0° 20' 42"	5° 18' 48"	12:08:50	379760	Rabiulakhir	1516
1148	2092-10-01	18:11:37	18:17:43	0:06:07	266° 23' 29"	269° 55' 29"	3° 31' 59"	1° 02' 00"	0:53:30	371301	Jamadirawal	1516
1149	2092-10-31	18:01:51	18:39:13	0:37:22	255° 31' 36"	256° 44' 33"	1° 12' 56"	8° 01' 48"	14:30:22	360529	Jamadirakhir	1516
1150	2092-11-29	18:04:12	18:15:48	0:11:36	248° 19' 33"	251° 45' 50"	3° 26' 17"	2° 04' 23"	4:25:20	357134	Rejab	1516
1151	2092-12-29	18:17:36	19:01:23	0:43:47	246° 50' 31"	248° 02' 31"	1° 12' 00"	8° 59' 14"	18:04:20	357184	Syaban	1516
1152	2093-01-27	18:29:59	18:43:42	0:13:42	251° 48' 30"	251° 51' 06"	0° 02' 36"	2° 32' 28"	7:04:54	362055	Ramadan	1516
1153	2093-02-26	18:33:34	19:16:15	0:42:41	261° 41' 54"	261° 18' 00"	-0° 23' 53"	9° 27' 09"	19:25:05	372230	Syawal	1516
1154	2093-03-27	18:29:49	18:46:15	0:16:25	273° 04' 07"	269° 45' 37"	-3° 18' 30"	3° 23' 54"	7:08:50	381704	Zulkaedah	1516
1155	2093-04-26	18:26:07	19:03:19	0:37:12	283° 57' 25"	281° 21' 56"	-2° 35' 29"	8° 09' 12"	18:10:45	393525	Zulhijjah	1516
1156	2093-05-25	18:28:23	18:34:28	0:06:05	291° 16' 39"	287° 32' 40"	-3° 43' 59"	1° 01' 52"	4:18:07	400981	Muharram	1517
1157	2093-06-24	18:35:28	18:56:50	0:21:22	293° 33' 11"	291° 19' 10"	-2° 14' 01"	4° 15' 31"	13:27:58	405649	Safar	1517
1158	2093-07-24	18:37:34	19:16:27	0:38:53	289° 47' 03"	288° 01' 14"	-1° 45' 49"	8° 18' 07"	21:58:43	404031	Rabiulawal	1517
1159	2093-08-22	18:30:13	18:43:45	0:13:32	281° 32' 02"	283° 03' 53"	1° 31' 51"	2° 41' 58"	6:33:50	400318	Rabiulakhir	1517
1160	2093-09-21	18:16:36	18:50:23	0:33:48	270° 23' 11"	270° 56' 07"	0° 32' 57"	7° 32' 31"	15:57:12	389499	Jamadirawal	1517
1161	2093-10-20	18:04:17	18:14:12	0:09:55	259° 20' 45"	263° 14' 37"	3° 53' 51"	1° 53' 32"	2:28:18	381194	Jamadirakhir	1517
1162	2093-11-19	18:02:06	18:34:43	0:32:37	250° 19' 55"	251° 14' 15"	0° 54' 20"	6° 45' 08"	14:01:36	368228	Rejab	1517
1163	2093-12-18	18:11:47	18:14:34	0:02:47	246° 34' 52"	248° 04' 09"	1° 29' 17"	0° 11' 04"	2:21:18	361878	Syaban	1517
1164	2094-01-17	18:26:35	19:03:10	0:36:35	249° 24' 34"	248° 36' 30"	-0° 48' 05"	7° 25' 59"	15:18:12	356317	Ramadan	1517
1165	2094-02-15	18:33:04	18:44:47	0:11:43	257° 36' 04"	254° 52' 21"	-2° 43' 43"	2° 08' 30"	4:46:46	357367	Syawal	1517
1166	2094-03-17	18:31:10	19:16:24	0:45:14	269° 00' 41"	267° 38' 07"	-1° 22' 34"	10° 07' 12"	18:43:50	363500	Zulkaedah	1517
1167	2094-04-15	18:26:56	18:47:44	0:20:48	280° 08' 35"	276° 56' 42"	-3° 11' 53"	4° 20' 54"	8:46:38	371588	Zulhijjah	1517
1168	2094-05-15	18:26:53	19:14:03	0:47:10	289° 11' 23"	288° 09' 14"	-1° 02' 09"	10° 03' 59"	22:14:28	383958	Muharram	1518
1169	2094-06-13	18:32:29	18:50:51	0:18:21	293° 24' 28"	292° 17' 54"	-1° 06' 35"	3° 32' 19"	10:26:10	393096	Safar	1518
1170	2094-07-13	18:37:43	19:17:36	0:39:53	291° 51' 26"	291° 26' 59"	-0° 24' 27"	8° 18' 41"	20:58:10	401812	Rabiulawal	1518
1171	2094-08-11	18:34:23	18:46:55	0:12:32	285° 09' 12"	287° 25' 28"	2° 16' 16"	2° 25' 33"	5:54:49	405795	Rabiulakhir	1518
1172	2094-09-10	18:22:16	18:50:28	0:28:12	274° 43' 55"	276° 09' 06"	1° 25' 11"	6° 13' 23"	13:48:06	404805	Jamadirawal	1518
1173	2094-10-10	18:08:16	18:49:27	0:41:11	263° 07' 49"	262° 32' 49"	-0° 35' 00"	9° 15' 54"	21:21:07	397860	Jamadirakhir	1518
1174	2094-11-08	18:01:37	18:12:36	0:10:59	253° 14' 48"	255° 22' 34"	2° 07' 46"	2° 05' 30"	5:16:35	391108	Rejab	1518
1175	2094-12-08	18:07:14	18:36:15	0:29:01	247° 12' 26"	246° 12' 17"	-1° 00' 09"	5° 45' 06"	14:13:58	377912	Syaban	1518
1176	2095-01-07	18:21:53	19:20:49	0:58:56	247° 41' 17"	245° 20' 47"	-2° 20' 30"	12° 07' 51"	1d 0:45:26	365417	Ramadan	1518
1177	2095-02-05	18:31:56	19:04:04	0:32:09	254° 14' 34"	251° 40' 59"	-2° 33' 35"	6° 37' 02"	13:00:22	359529	Syawal	1518
1178	2095-03-06	18:32:40	18:41:52	0:09:13	264° 34' 34"	260° 22' 16"	-4° 12' 17"	1° 38' 33"	2:50:40	356834	Zulkaedah	1518
1179	2095-04-05	18:28:33	19:11:37	0:43:04	276° 21' 52"	275° 35' 08"	-0° 46' 45"	9° 31' 49"	17:49:46	357914	Zulhijjah	1518
1180	2095-05-04	18:26:27	18:46:45	0:20:17	286° 15' 22"	284° 49' 08"	-1° 26' 14"	4° 03' 58"	9:17:36	363383	Muharram	1519
1181	2095-06-03	18:30:22	19:26:24	0:56:01	292° 32' 18"	293° 34' 40"	1° 02' 22"	11° 31' 49"	1d 0:29:25	374130	Safar	1519
1182	2095-07-02	18:36:22	19:08:01	0:31:39	293° 08' 53"	294° 20' 13"	1° 11' 20"	6° 16' 26"	14:39:01	383465	Rabiulawal	1519

No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
1183	2095-07-31	18:36:50	18:44:59	0:08:09	288° 15' 42"	291° 30' 03"	3° 14' 21"	1° 24' 08"	3:05:10	392572	Rabiulakhir	1519
1184	2095-08-30	18:27:32	18:55:47	0:28:16	278° 54' 32"	280° 33' 58"	1° 39' 27"	6° 08' 48"	13:19:03	401585	Jamadilawal	1519
1185	2095-09-29	18:13:06	18:51:58	0:38:52	267° 27' 26"	266° 35' 38"	-0° 51' 48"	8° 48' 28"	21:16:02	405506	Jamadilakhir	1519
1186	2095-10-28	18:02:57	18:09:30	0:06:33	256° 45' 23"	258° 42' 48"	1° 57' 24"	1° 11' 05"	3:27:30	405626	Rejab	1519
1187	2095-11-27	18:03:45	18:17:30	0:13:46	248° 47' 50"	247° 42' 17"	-1° 05' 33"	2° 35' 21"	9:06:33	399189	Syaban	1519
1188	2095-12-27	18:16:29	18:47:09	0:30:40	246° 41' 30"	243° 25' 09"	-3° 16' 21"	5° 59' 18"	15:49:04	387859	Ramadan	1519
1189	2096-01-26	18:29:26	19:25:57	0:56:31	251° 21' 26"	248° 41' 36"	-2° 39' 50"	11° 58' 09"	1d 0:41:37	374489	Syawal	1519
1190	2096-02-24	18:33:22	19:02:36	0:29:14	260° 40' 11"	257° 49' 54"	-2° 50' 17"	6° 12' 12"	12:02:02	366589	Zulkaedah	1519
1191	2096-03-24	18:30:25	18:35:12	0:04:47	271° 59' 56"	268° 15' 22"	-3° 44' 34"	0° 43' 08"	1:32:46	360860	Zulhijjah	1519
1192	2096-04-23	18:26:12	19:05:00	0:38:48	283° 04' 16"	284° 05' 04"	1° 00' 48"	8° 15' 52"	16:39:45	356503	Muharram	1520
1193	2096-05-22	18:28:01	18:46:42	0:18:41	290° 47' 08"	291° 56' 44"	1° 09' 36"	3° 30' 12"	8:49:31	358320	Safar	1520
1194	2096-06-21	18:34:39	19:38:52	1:04:13	293° 35' 50"	295° 47' 15"	2° 11' 24"	13° 00' 26"	1d 1:19:50	365283	Rabiulawal	1520
1195	2096-07-20	18:37:55	19:20:12	0:42:16	290° 33' 27"	292° 18' 44"	1° 45' 17"	8° 40' 13"	17:14:19	373295	Rabiulakhir	1520
1196	2096-08-18	18:32:06	18:51:44	0:19:37	282° 47' 29"	285° 40' 12"	2° 52' 43"	3° 58' 38"	7:28:58	382513	Jamadilawal	1520
1197	2096-09-17	18:18:26	18:55:17	0:36:51	271° 50' 12"	270° 47' 49"	-1° 02' 23"	8° 18' 02"	19:05:10	394124	Jamadilakhir	1520
1198	2096-10-16	18:05:57	18:12:01	0:06:04	260° 42' 14"	262° 01' 25"	1° 19' 11"	1° 05' 10"	3:34:35	401368	Rejab	1520
1199	2096-11-15	18:01:54	18:13:59	0:12:05	251° 13' 29"	249° 15' 28"	-1° 58' 01"	2° 16' 53"	9:23:07	406033	Syaban	1520
1200	2096-12-15	18:10:42	18:33:26	0:22:44	246° 40' 13"	242° 33' 28"	-4° 06' 45"	4° 19' 53"	14:02:02	404371	Ramadan	1520
1201	2097-01-14	18:25:30	19:04:17	0:38:47	248° 52' 50"	244° 51' 25"	-4° 01' 25"	7° 51' 24"	19:22:23	396597	Syawal	1520
1202	2097-02-12	18:32:48	18:39:41	0:06:54	256° 39' 55"	252° 13' 42"	-4° 26' 13"	1° 10' 25"	2:40:41	389447	Zulkaedah	1520
1203	2097-03-14	18:31:29	18:58:08	0:26:39	267° 55' 38"	266° 44' 46"	-1° 10' 52"	5° 46' 52"	12:31:49	376173	Zulhijjah	1520
1204	2097-04-13	18:27:15	19:21:04	0:53:49	279° 31' 33"	283° 09' 50"	3° 38' 18"	11° 47' 49"	1d 0:58:01	364379	Muharram	1521
1205	2097-05-12	18:27:01	19:01:48	0:34:47	288° 32' 43"	291° 45' 56"	3° 13' 14"	6° 59' 31"	15:43:57	359194	Safar	1521
1206	2097-06-10	18:31:52	18:50:56	0:19:04	293° 14' 48"	296° 40' 33"	3° 25' 45"	3° 25' 05"	8:15:15	356981	Rabiulawal	1521
1207	2097-07-09	18:37:45	18:42:23	0:04:38	292° 23' 06"	296° 44' 38"	4° 21' 32"	0° 33' 57"	1:36:44	358186	Rabiulakhir	1521
1208	2097-08-08	18:34:47	19:21:11	0:46:24	285° 57' 03"	286° 10' 23"	0° 13' 20"	9° 57' 46"	18:31:53	364348	Jamadilawal	1521
1209	2097-09-06	18:24:06	18:46:22	0:22:16	276° 08' 23"	276° 49' 12"	0° 40' 49"	4° 43' 03"	9:47:26	372366	Jamadilakhir	1521
1210	2097-10-06	18:09:21	18:49:04	0:39:43	264° 32' 15"	259° 51' 14"	-4° 41' 01"	8° 48' 47"	22:21:11	384791	Rejab	1521
1211	2097-11-04	18:01:50	18:10:32	0:08:42	254° 20' 54"	251° 47' 00"	-2° 33' 54"	1° 33' 52"	7:50:19	393895	Syaban	1521
1212	2097-12-04	18:05:48	18:28:14	0:22:26	247° 37' 48"	242° 30' 23"	-5° 07' 25"	4° 15' 43"	14:36:16	402665	Ramadan	1521
1213	2098-01-03	18:20:18	18:57:14	0:36:56	247° 15' 11"	242° 22' 37"	-4° 52' 34"	7° 19' 02"	19:44:56	405844	Syawal	1521
1214	2098-02-02	18:31:23	19:18:44	0:47:21	253° 25' 21"	251° 22' 16"	-2° 03' 05"	10° 14' 11"	1d 0:34:10	402632	Zulkaedah	1521
1215	2098-03-03	18:32:45	18:44:57	0:12:12	263° 30' 54"	261° 24' 22"	-2° 06' 32"	2° 26' 21"	6:27:13	397989	Zulhijjah	1521
1216	2098-04-02	18:28:35	18:53:56	0:25:21	275° 18' 48"	277° 15' 12"	1° 56' 25"	5° 27' 54"	14:38:17	386282	Muharram	1522
1217	2098-05-02	18:26:14	19:19:32	0:53:17	285° 44' 54"	291° 32' 57"	5° 48' 03"	11° 07' 31"	1d 1:51:16	373078	Safar	1522
1218	2098-05-31	18:29:42	19:06:41	0:36:59	292° 11' 14"	296° 54' 20"	4° 43' 07"	7° 09' 07"	16:03:43	365399	Rabiulawal	1522
1219	2098-06-29	18:35:53	18:58:20	0:22:26	293° 20' 11"	297° 27' 27"	4° 07' 16"	4° 05' 32"	8:26:48	359779	Rabiulakhir	1522

No.	T	tM	tB	dt	Az0	AzB	dAz	h	Umur	Jarak	Bulan H	Tahun H
1220	2098-07-28	18:37:25	18:44:25	0:06:59	288° 55' 48"	293° 02' 42"	4° 06' 53"	1° 03' 25"	1:43:34	357225	Jamadilawal	1522
1221	2098-08-27	18:28:18	19:10:08	0:41:50	279° 52' 12"	277° 15' 56"	-2° 36' 17"	9° 15' 12"	18:32:37	358519	Jamadilakhir	1522
1222	2098-09-25	18:14:50	18:32:20	0:17:30	268° 54' 20"	266° 43' 12"	-2° 11' 08"	3° 36' 20"	9:54:50	363986	Rejab	1522
1223	2098-10-25	18:03:26	18:43:43	0:40:17	257° 40' 26"	249° 55' 18"	-7° 45' 08"	8° 27' 32"	23:11:24	374917	Syaban	1522
1224	2098-11-23	18:02:40	18:15:44	0:13:04	249° 30' 27"	244° 06' 07"	-5° 24' 21"	2° 19' 14"	10:08:40	384320	Ramadan	1522
1225	2098-12-23	18:14:17	18:50:34	0:36:17	246° 34' 07"	240° 53' 07"	-5° 41' 00"	7° 01' 50"	18:47:08	395710	Syawal	1522
1226	2099-01-22	18:28:13	19:17:25	0:49:12	250° 26' 53"	248° 02' 30"	-2° 24' 24"	10° 25' 13"	1d 1:17:46	403223	Zulkaedah	1522
1227	2099-02-20	18:33:10	18:44:03	0:10:53	259° 17' 57"	257° 31' 56"	-1° 46' 01"	2° 07' 46"	6:24:25	406271	Zulhijjah	1522
1228	2099-03-22	18:30:52	18:47:02	0:16:10	270° 55' 25"	272° 46' 31"	1° 51' 07"	3° 24' 12"	11:41:16	403698	Muharram	1523
1229	2099-04-21	18:26:31	18:56:24	0:29:53	282° 09' 55"	287° 26' 11"	5° 16' 17"	6° 15' 58"	18:53:32	395273	Safar	1523
1230	2099-05-20	18:27:50	18:32:38	0:04:48	290° 15' 08"	294° 51' 08"	4° 36' 00"	0° 41' 13"	5:08:10	387822	Rabiulawal	1523
1231	2099-06-19	18:33:51	19:17:45	0:43:54	293° 35' 19"	297° 43' 40"	4° 08' 20"	8° 34' 31"	18:20:31	374261	Rabiulakhir	1523
1232	2099-07-18	18:38:07	19:02:16	0:24:09	291° 04' 18"	293° 38' 01"	2° 33' 43"	4° 39' 06"	9:34:11	366477	Jamadilawal	1523
1233	2099-08-16	18:33:05	18:37:13	0:04:08	283° 40' 20"	285° 47' 52"	2° 07' 33"	0° 32' 47"	1:35:31	360767	Jamadilakhir	1523
1234	2099-09-15	18:19:59	18:52:04	0:32:05	272° 53' 38"	267° 25' 11"	-5° 28' 27"	7° 01' 01"	17:26:17	356676	Rejab	1523
1235	2099-10-14	18:06:24	18:16:27	0:10:02	261° 41' 47"	257° 05' 02"	-4° 36' 45"	1° 48' 51"	8:31:02	358492	Syaban	1523
1236	2099-11-13	18:01:15	18:45:02	0:43:47	251° 54' 45"	242° 56' 33"	-8° 58' 12"	8° 39' 54"	22:28:39	365686	Ramadan	1523
1237	2099-12-12	18:09:02	18:28:29	0:19:27	246° 52' 58"	241° 00' 34"	-5° 52' 24"	3° 29' 13"	10:56:53	373938	Syawal	1523

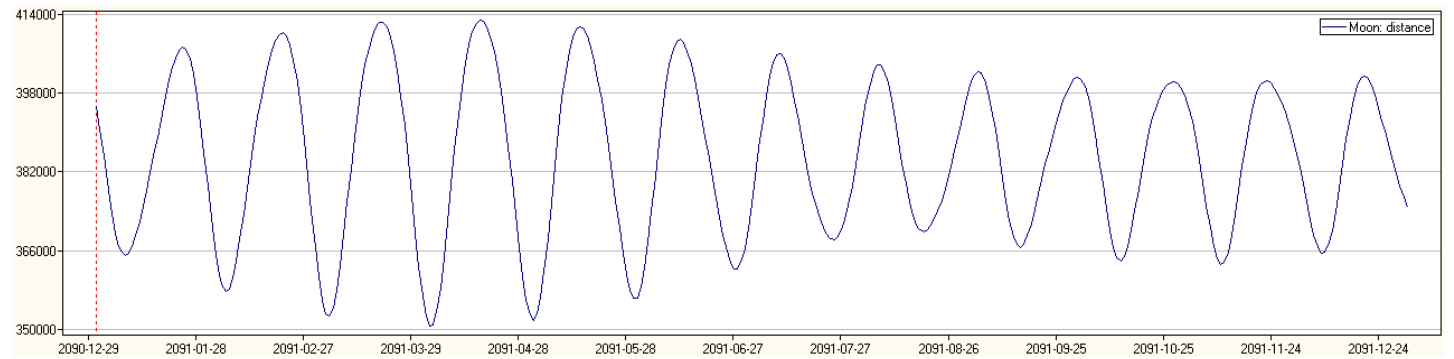
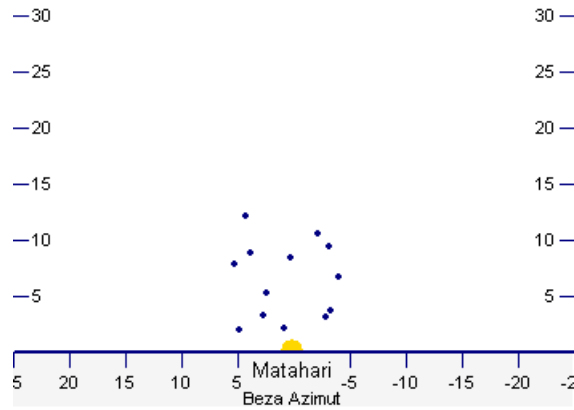
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2090-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



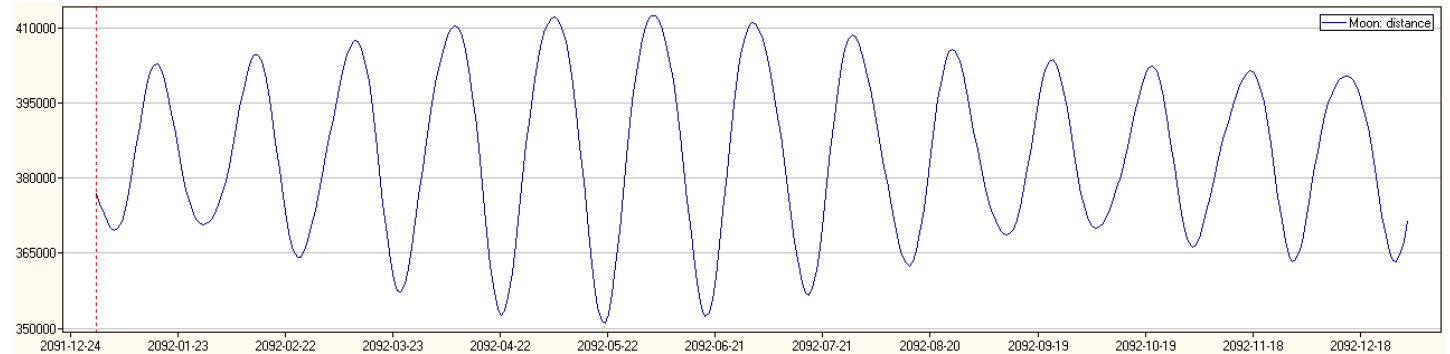
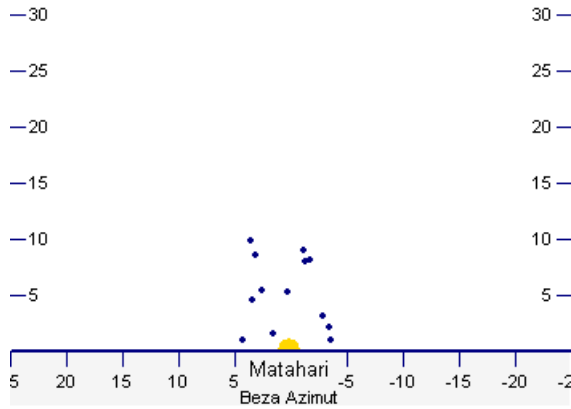
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Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
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 Lokasi Longitud: 114° 56' 19" E



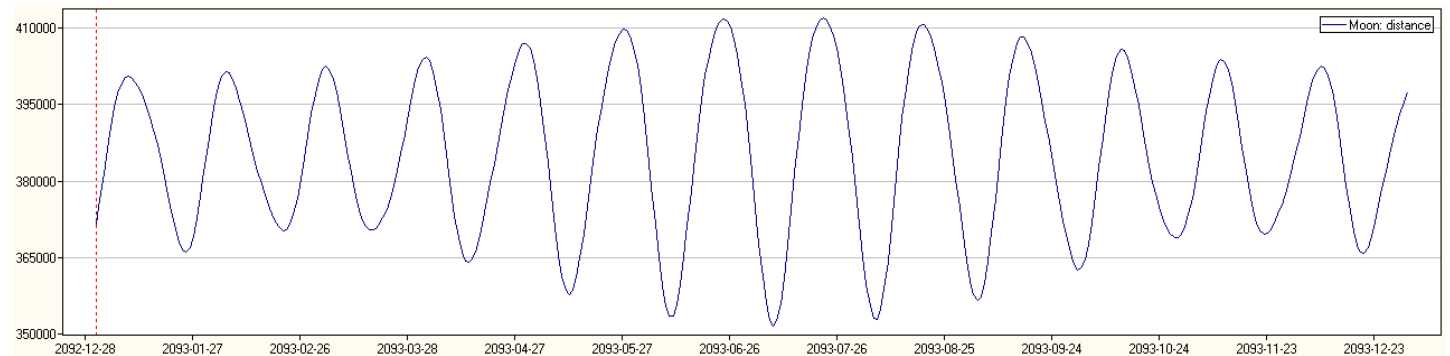
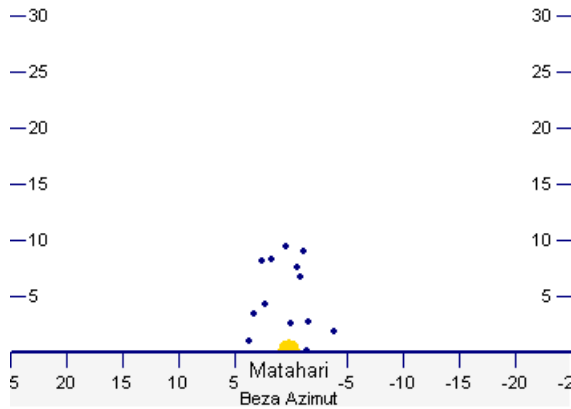
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Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
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 Lokasi Longitud: 114° 56' 19" E



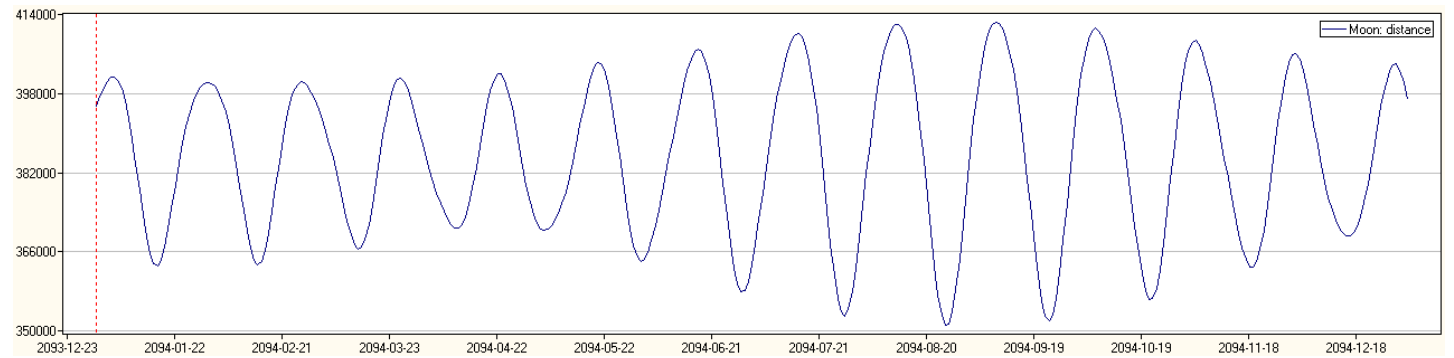
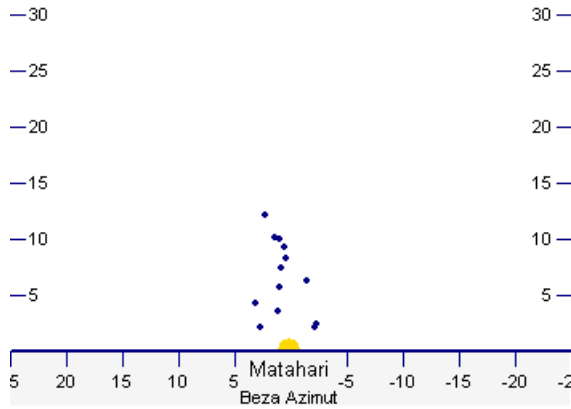
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Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



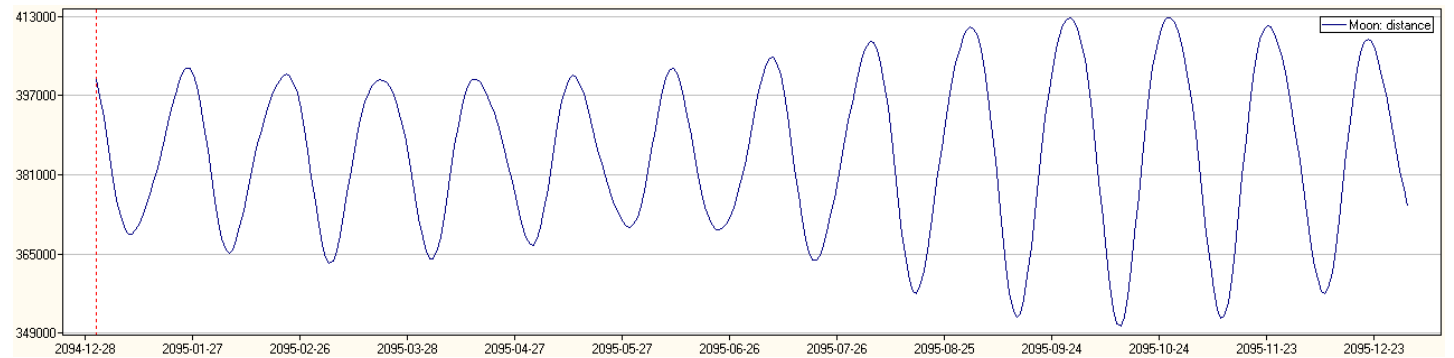
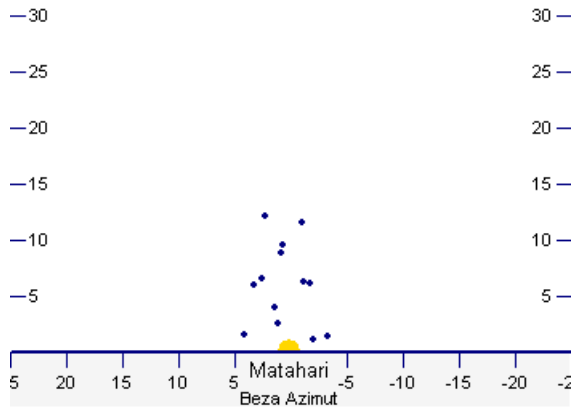
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2094-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



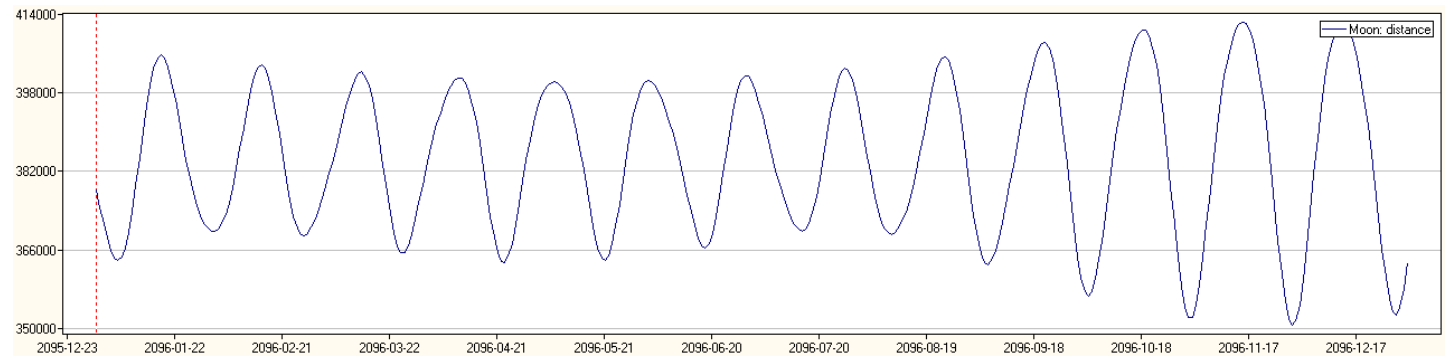
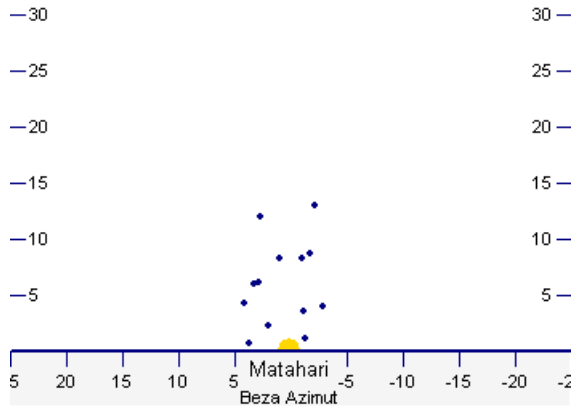
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2095-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



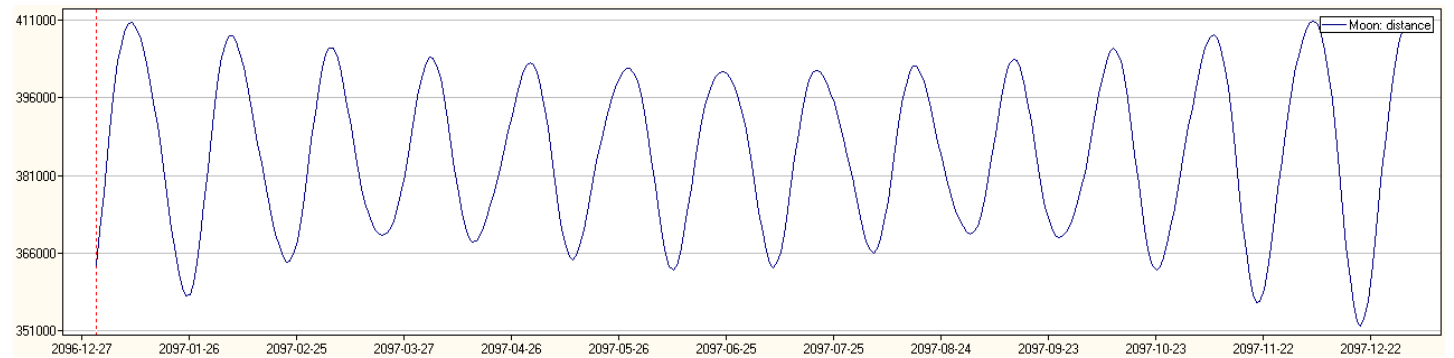
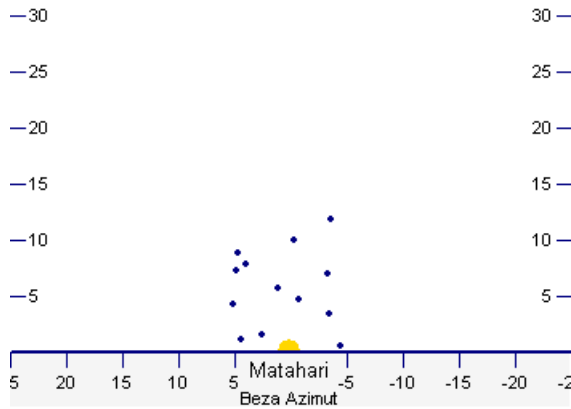
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2096-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



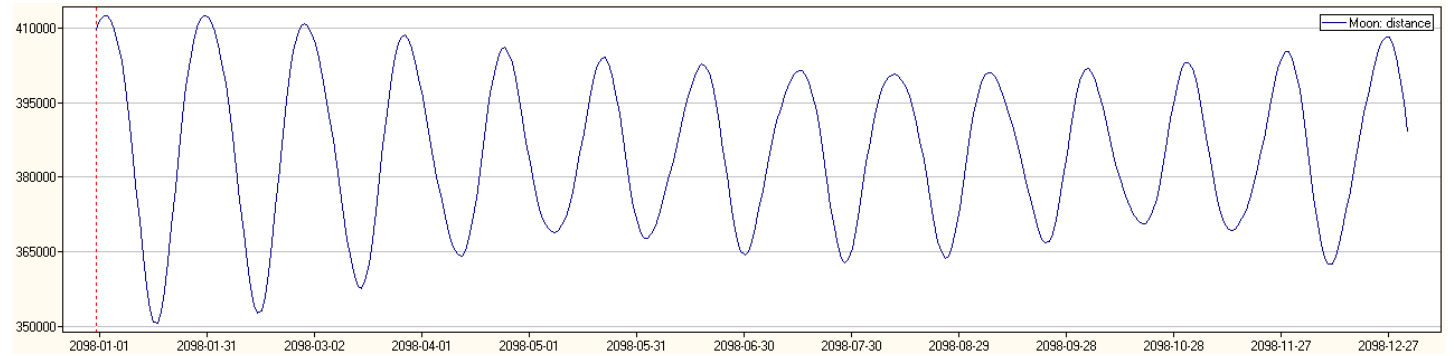
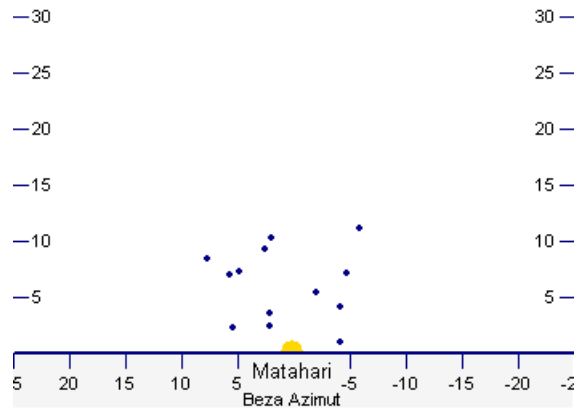
Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2097-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



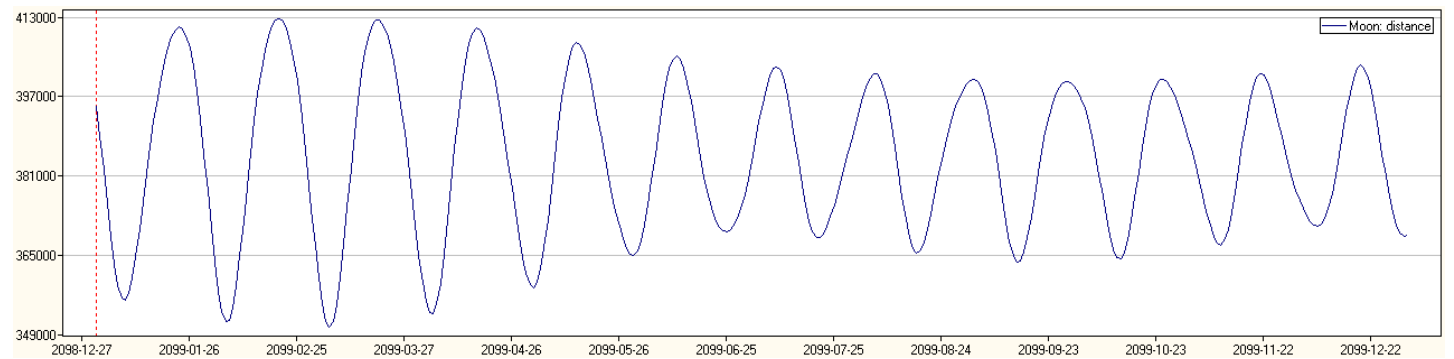
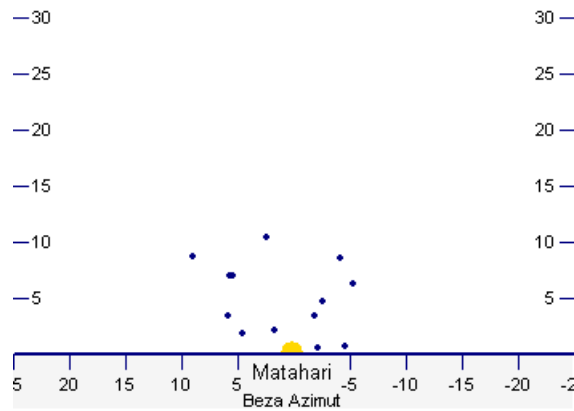
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Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
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 Lokasi Longitud: 114° 56' 19" E



Kenampakan Pertama Anak Bulan minimum altitud 0.0° bagi 2099-01-01

Lokasi: Bandar Seri Begawan (Brunei) @Hazarry
 Lokasi Latitud: 4° 56' 33" N
 Lokasi Longitud: 114° 56' 19" E



Rujukan

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