PAPUA NEW GUINEA

NATIONAL TIDE TABLES

2027

NATIONAL MARITIME SAFETY AUTHORITY PAPUA NEW GUINEA

AHO

Papua New Guinea
National Maritime Safety Authority

Papua New Guinea
National Tide Tables

2027

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General

The Papua New Guinea National Tide Tables (PNGNTT) are produced by the AHO on behalf of the Papua New Guinea National Maritime Safety Authority. The AHO is the Primary Charting Authority (PCA) for Papua New Guinea under an agreement dating from 1978. This arrangement includes all nautical charts covering PNG waters and PNGNTT.

Tidal Predictions

The PNGNTT contain predictions extracted from the Australian National Tide Tables (ANTT).
A number of ports treated as standard ports in PNGNTT (daily times and heights of high water and low water) are treated as secondary ports (tidal level, range and time differences only) in ANTT. Use of either PNGNTT or ANTT will give the same results for each listed port.

Users of these tide tables should be aware that the published heights are predictions only and that actual water level height may vary due to meteorological conditions and seasonal variations. These effects are detailed below.

Times Zones Used

Time Zones of predictions are those of the official Standard Time kept at the location.

Heights of Predictions

All predicted heights are given in metres above Lowest Astronomical Tide (LAT).

Moon Phases

The symbols for the New and Full Moon (●,○), First and Last Quarter (◑,◐) are shown in the daily predictions on the days on which they occur.

Provision of Information

The information provided by marine and port authorities, commercial companies and individuals has made the publication of these tide tables possible. Organisations and individuals should contact the AHO in the event of the following:

• Any inaccuracies noted

• Notable discrepancies between predictions and observations

• Details concerning the establishment of new automatic tide gauges

• Any suggestions for improvement of the publication.

Acknowledgement

We gratefully acknowledge the Astronomical Applications Department of the United States Naval Observatory for allowing the use of the Moon Phases.



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1. General Information

1.1 What causes Tides?

The term ‘tides’ is a common term used to define the rise and fall of the sea level with respect to land. Tides are caused by the gravitational pull of the Sun and Moon on the Earth and its waters. As defined by Newton’s Universal Law of Gravity, the Moon generates about double (54%) the tide-generating force of the Sun, simply because it is closer.

The ocean responds to the gravitational pull of the Sun and Moon by ‘bulging’ on the side of the Earth that faces the Moon, and the side directly opposite. The sums of the solar and lunar bulges create daily high tides as the Earth rotates.

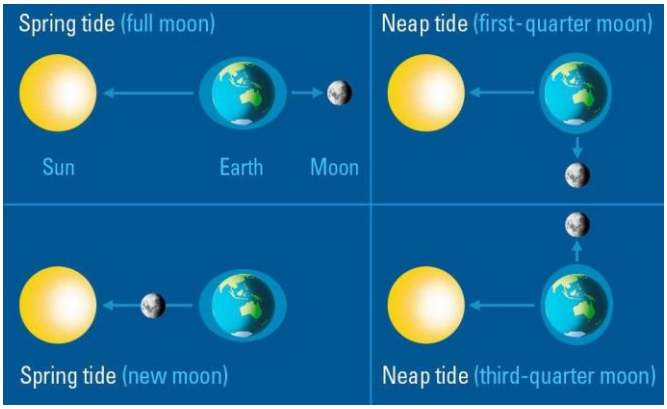
A diurnal tide is when there is one high and one low tide every lunar day. A lunar day is the time it takes for a specific point on Earth to complete a full rotation in relation to the Moon (24 hours and 50 minutes). A semi-diurnal tide is when there are two high tides and two low tides every lunar day. Most locations experience a mix of diurnal and semi-diurnal tides. This is why high and low tides occur at different times every day.

1.2 What are Spring and Neap Tides?

The Earth, Moon and Sun all have elliptical orbits, which means that the distance between them is constantly changing. From the perspective of tide-generating forces, the Sun and Moon also appear to rotate around the Earth at different frequencies, with their gravitational effect sometimes acting in the same general direction, and at other times each reducing the influence of the other.

Spring tides occur during the New and Full Moon, when the Moon and Sun are nearly in alignment. The tide-generating forces of the Sun and Moon are therefore acting in approximately the same direction and cause the oceans to ‘bulge’ more than usual, resulting in the average tidal ranges to be a little larger. Neap tides occur near the First and Last Quarter Moon, when the Moon and Sun are at right angles to each other. The lunar and solar tide-generating forces are thus acting against each other which causes moderate tides.

Spring and Neap tides each occur twice in a lunar month.



1.3 What is a King Tide? (Spring Tide)

While the term ‘King tide’ is not a scientific term, it is used to describe an especially high Spring tide event that occurs twice every year, when the earth is closest to the Sun (perihelion) or Moon (perigee).

A King tide is not more than the very highest tide that occurs at each place.

King tides occur naturally and regularly, are predictable and expected, though not an everyday occurrence.

When King tides occur during cyclones, floods or storms, water levels can rise to higher levels and have the potential to cause great damage to property and the coastline.

1.4 Methods of Prediction

Predictions for standard ports are based on continuous observations of the tide over a period of at least one year, for average meteorological conditions.

When conditions are not average, the actual tides may differ from those predicted. Under extreme meteorological conditions, these differences can be very large.

Predictions for secondary ports are extremely variable in quality. Predictions may be based upon as little as a few observations over two days up to a period of at least one month. Mariners are advised to use caution using predictions for secondary ports without local knowledge.

1.5 Meteorological Effects on Tides

Meteorological conditions, which differ from the average, will cause corresponding differences between the predicted and the actual tides.

Variations from predicted heights are caused mainly by strong or prolonged winds, and by unusually high or low barometric pressure. Differences between predicted and actual times of high and low water are mainly caused by the wind.

1.6 The effect of wind

The effect of wind on sea level and tidal heights and times is variable and depends largely on the topography of the area.

In general, wind will raise sea level in the direction towards which it is blowing; this effect is called wind setup.

A strong wind blowing onshore will pile up the water and cause ‘high waters’ to be higher than predicted, while winds blowing off the land will have the reverse effect. Winds blowing along a coast tend to set up long waves, which travel along the coast, raising the sea level at the crest and lowering it in the trough.

1.7 Barometric pressure

Tidal predictions are computed for average barometric pressure. A difference of 10 hectopascals (hPa) from the average can cause a difference in sea level of about 0.1m.

This depression of the water surface under high atmospheric pressure, and its elevation under low atmospheric pressure, is often described as the inverted barometer effect. The water level does not adjust itself immediately to a change of pressure, and responds to the average change in pressure over a considerable area.

Changes in sea level due to barometric pressure rarely exceed 0.3m, but their effect can be important as they are usually associated with those caused by wind setup, since winds are driven by the pressure gradient.

1.8 Storm surges

The combination of wind setup and the inverted barometer effect associated with storms can create a pronounced increase in sea level. This is called a storm surge. Additionally, a long surface wave travelling with the storm depression can further exaggerate this sea level increase.

A negative surge is the opposite effect. Negative surges are generally associated with high-pressure systems and offshore winds and can create unusually shallow water. This effect is of great importance to very large vessels navigating with small under keel clearances.

1.9 Seasonal effects

Monthly seasonal variations in Mean Sea Level (MSL) of 0.1m may typically be experienced, occasionally reaching as much as 0.3m. In addition, oceanographic effects such as Southern Oscillation Index (El Niño/ La Niña) can produce large scale variations in MSL of up to 0.5m with corresponding changes in rate and direction of tidal streams.

1.10 Phases of the Moon

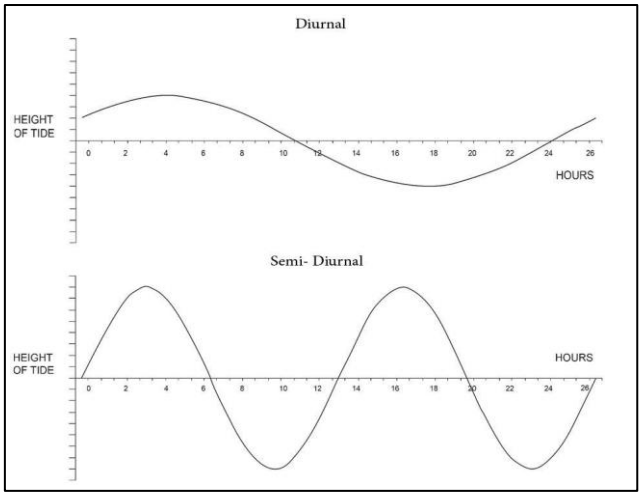
The adjacent symbols are used to indicate moon phases.

Moon phases are shown in Standard Time (ST) for all standard ports.



1.11 Criteria for Diurnal and Semi-Diurnal Tides

All tides are composed of both diurnal and semi-diurnal components, which can be represented as cosine waves as illustrated in the following diagram:



These components introduce inequality in successive heights and time intervals of high or low water. When this diurnal inequality reaches a certain limit, it is more informative to list the average heights for each of the higher and lower high waters, and each of the higher and lower low waters, rather than the average spring and neap values.

In these tables, the following criteria are used:

- when (K1 + O1)/(M2 + S2) is less than or equal to 0.5, the tide is considered to be semi-diurnal
- when (K1 + O1)/(M2 + S2) is greater than 0.5, the tide is considered to be diurnal.

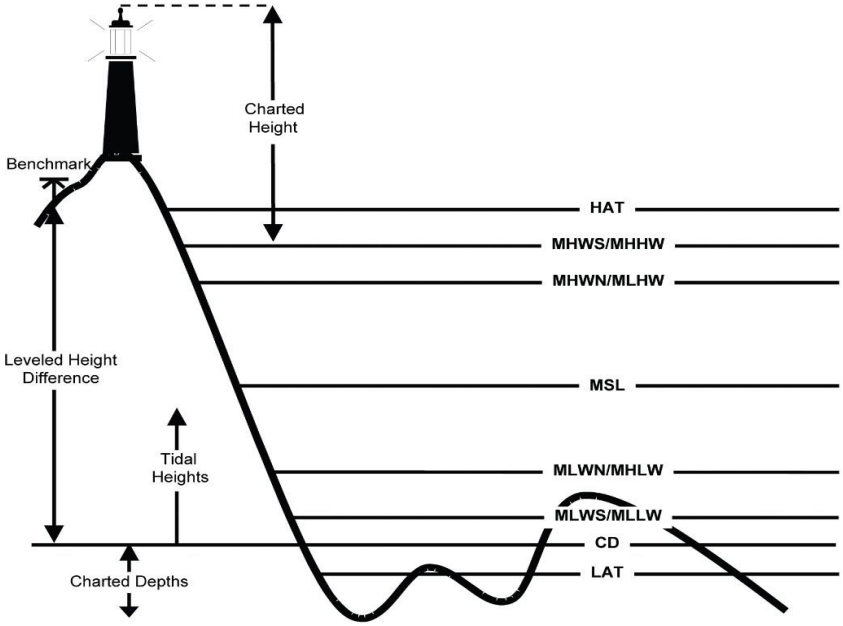
In some areas, these formulae are unsatisfactory and a more detailed study of the harmonic constituents is necessary to determine tidal characteristics.

1.12 Tidal Levels

The terms used for tidal levels are as follows:

Acronym	Title	Description
HAT	Highest Astronomical Tide	The highest level that can be predicted to occur under average meteorological conditions and under any combination of astronomical conditions.
LAT	Lowest Astronomical Tide	The lowest level which can be predicted to occur under average meteorological conditions and under any combination of astronomical conditions.
MHWS	Mean High Water Springs	The average of all high water observations at the time of spring tide over a period of time (preferably 19 years).
MLWS	Mean Low Water Springs	The average of all low water observations at the time of spring tide over a period of time (preferably 19 years).
MHWN	Mean High Water Neaps	The average of all high water observations at the time of neap tide over a period of time (preferably 19 years).
MLWN	Mean Low Water Neaps	The average of all low water observations at the time of neap tide over a period of time (preferably 19 years).
MSL	Mean Sea Level	The average level of the sea surface over a long period of time (preferably 19 years), or the average level which would exist in the absence of tides.
MHHW	Mean Higher High Water	The average of the higher of the two daily high waters over a period of time (preferably 19 years).
MLHW	Mean Lower High Water	The average of the lower of the two daily high waters over a period of time (preferably 19 years).
MHLW	Mean Higher Low Water	The average of the higher of the two daily low waters over a period of time (preferably 19 years).
MLLW	Mean Lower Low Water	The average of the lower of the two daily low waters over a period of time (preferably 19 years).
ISLW	Indian Springs Low Water	The elevation depressed below mean sea level by the amount equal to the sum of amplitudes of the four main harmonic constituents: M2, S2, K1 and O1.
CD	Chart Datum	The level to which all charted depths and drying heights are referred. Details are provided on all Australian produced Paper Nautical Charts (PNC) and within the metadata of all Australian produced Electronic Navigational Charts (ENC).

The diagram below shows a typical relationship between tidal levels and Chart Datum (CD):



Tidal levels used throughout this publication are derived using the following simplified formulae when not based on observations:

For diurnal ports (defined at Section 3.12):	For semi-diurnal ports (defined at Section 3.12):
MHHW = Z0 + (M2 + K1 + O1)	MHWS = Z0 + (M2 + S2)
MLHW = Z0 + abs(M2 − (K1 + O1))	MHWN = Z0 + abs(M2 − S2)
MHLW = Z0 − abs(M2 − (K1 + O1))	MLWN = Z0 − abs(M2 − S2)
MLLW = Z0 − (M2 + K1 + O1)	MLWS = Z0 − (M2 + S2)
ISLW = Z0 − (M2 + S2 + K1 + O1)	ISLW = Z0 − (M2 + S2 + K1 + O1)

The tidal levels for standard and secondary ports are referred to LAT, which is the datum for the majority of Australian charts.

Tidal levels for standard ports are subject to re-examination from time to time; due to changes in MSL, they do not necessarily remain constant.

1.13 Predictions Datum

Predictions for all ports are referenced to LAT, which is the CD for almost all charts published by the AHO.

For locations where the largest-scale ENC is not referenced to LAT, a correction will be required to be mathematically added to predicted tidal heights.

Predictions for secondary ports are extremely variable in quality. Predictions may be based upon as little as a few observations over two days up to a period of at least one month. Mariners are advised to use caution using predictions for secondary ports without local knowledge.

1.14 Times for Predictions

The times of predictions for standard ports are given in the Standard Time (ST) kept by the port.

Tabulated time differences for secondary ports account for any difference in ST kept between the secondary port and the designated standard port.

1.15 Tidal Stream and Currents

A distinction is drawn between tidal streams that are astronomical in origin, and currents that are not dependent on astronomical factors. In practice, the navigator usually experiences a combination of current and tidal stream. Like tidal heights, tidal streams can be predicted, but currents must be assessed from information published on charts and in Sailing Directions.

When the tidal streams are semi-diurnal in character they can be predicted by reference to a suitable standard port using tables embedded in the ENC or printed on PNC. This procedure is not possible in the areas where the diurnal inequality of the tidal streams is large.

1.16 Tidal Stream predictions in the tide tables

Predictions are available for the following locations:

- Torres Strait, Queensland - Varzin Passage, Harrison Rock, Mecca Reef North, Hammond Rock, Nardana Patches and Alert Patches
- Mackay Outer Harbour, Queensland – Oom Shoal
- Port Phillip, Victoria - The Rip.

Tidal stream diagrams for flood and ebb conditions are available for the following locations:

- Sydney Harbour, New South Wales
- Port Philip, Victoria – Port Phillip Heads, including The Rip
- Broome, Western Australia
- Darwin, Northern Territory

1.17 Tidal Stream predictions on charts

ENC and PNC contain tables for tidal streams at selected locations which are referenced to a standard port. These tables list the rate and direction in hourly increments before and after high water for the nominated standard port.

1.18 Under Keel Clearance Management System in Torres Strait

An Under Keel Clearance Management (UKCM) System is operated in Torres Strait by the Australian Maritime Safety Authority (AMSA).

It is a web-based system that allows vessel operators and coastal pilots to plan and monitor the safe and efficient transit of deep draught vessels through Gannet Passage, Varzin Passage and Prince of Wales Channel in Torres Strait.

For more information, refer to Australian Mariners Handbook www.hydro.gov.au/resources/publications/, or visit the AMSA website www.amsa.gov.au

1.19 Torres Strait transmitting tide and current gauges

A network of transmitting tide and current gauges are available to assist vessels transiting through Torres Strait, to be used in conjunction with the UKCM System. Actual tidal heights and current speed may differ significantly from predicted rates due to meteorological effects and changes in MSL.

1.20 Transmission Format

The transmission of tidal and current data is broadcast on VHF Marine Channel 68 (156.425 MHz) by an automated voice message.

All broadcasts are made from the Hammond Island radio transmitter and radar tower on Hammond Hill (152m, located 0.5 miles SSE of Turtle Head Lighthouse). The nominal range is 24 miles. Where line of sight to Hammond Hill is obscured reception may be lost.

The five transmitting tide gauges and one transmitting current meter are at the following locations:

Name	Station Identifier	Position (World Geodetics System (WGS84))	Hours of Operation
Booby Island (tidal height)	Booby Island tide	10° 36' 09'' S 141° 54' 36'' E	H 24
Goods Island (tidal height)	Goods Island tide	10° 33' 53'' S 142° 08' 44'' E	H 24
Turtle Head (tidal height) (Hammond Island)	Turtle Head tide	10° 31' 14'' S 142° 12' 47'' E	H 24
Nardana Patches (tidal height) Nardana Patches (tidal stream)	Nardana tide Nardana stream	10° 30' 17'' S 142° 14' 38'' E	H 24
Ince Point (Wednesday Island)	Ince Point tide	10° 30' 51'' S 142° 18' 17'' E	H 24

The tidal data is broadcast in the sequence listed in the table above. For each tide station, the broadcast includes:

- the station identifier
- the height of tide to two decimal places.

For the Nardana tidal stream station, the broadcast includes:

- the station identifier
- the direction and velocity of the tidal stream to one decimal place.

Following the Ince Point tidal data transmission, there is a three-second interval of no radio transmission.

The broadcast is repeated on a loop, recommencing with Booby Island, then all others in the same sequence. Tidal data is updated every two minutes.

If no data is available from a tidal station, the message 'no data available' will be broadcast after the respective station identifier.

Examples of broadcast tidal height signals for each transmitting gauge are outlined below:

Tidal reading	Radio transmission
Booby Island tide 1.82m	Booby Island tide is one point eight two
Goods Island tide 1.34m	Goods Island tide is one point three four
Turtle Head tide 1.02m	Turtle Head tide is one point zero two metres
Nardana Patches tide 1.24m	Nardana tide is one point two four metres
Nardana Patches stream 1.9 knots (west)	Nardana stream is west-going at one point
Ince Point tide 1.20m	Ince point tide is one point two zero metres

Tidal streams directions at Nardana Patches are generally linear:

- East-going – approximately 080°
- West-going – approximately 260°

1.21 Tidal Bores – Gulf of Papua

In the Gulf of Papua, a tidal bore occurs at springs in the lower reaches of most rivers along the coastline.

2 Instructions for Use

2.1 Calculating Times and Heights of High and Low Waters

2.1.1 AusTides

Mariners should note that AusTIDES may be used to derive a range of tidal information without any need for calculation, including:

- Times and heights of HW and LW at standard ports
- Times and heights of HW and LW at secondary ports
- Height of tide for a given time for all standard and secondary ports
- Time windows for a required height of tide for all standard and secondary ports
- Incremental times and heights at a range of Standard Time intervals for all standard and secondary ports
- Graphical display of the tidal curve for all standard and secondary ports.

2.1.2 Standard Ports

The times and heights of High Water (HW) and Low Water (LW) are tabulated for every day of the year. The time zone used for the predicted times is the Standard Time (ST) for the location and is given at the top of each page.

The heights are shown in metres referred to Lowest Astronomical Tide (LAT). If the Chart Datum (CD) is not LAT, a correction is required.

Corrections to align predictions to CD of the largest scale Australian produced Electronic Navigational Charts (ENC) and Paper Nautical Charts (PNC) are contained in the Supplementary Tables.

2.1.3 Secondary Ports

The times of HW and LW are obtained by applying the time differences tabulated in the Secondary Ports tables to the daily predictions for the designated standard port. The standard port to be used is shown in bold type at the head of the relevant subsection of the Secondary Ports tables.

A negative time difference will give an earlier time than predicted for the standard port, and a positive one a later time.

The times obtained by applying these corrections will be for the ST observed in the secondary port, irrespective of the ST zone used for the standard port predictions.

The heights of HW and LW are obtained by correcting the predictions for the designated standard port using the range ratio obtained from the tidal levels data for standard and secondary ports. Depending upon the tidal characteristics for a location, these calculations are based upon the following:

- predominantly diurnal tides - Mean Higher High Water (MHHW) and Mean Lower Low Waters (MLLW) are used
- predominantly semi-diurnal tides - Mean Spring Levels (MSL) are used.

The resulting tidal height prediction will be referenced to LAT. Mariners should then refer to the Supplementary Tables to determine if a correction is required for ports where the largest scale ENC or PNC is not referenced to LAT.

As predictions for the reference standard port include seasonal variations, they are allowed for in the final result for the secondary port. Seasonal variations do not need to be applied separately when using the method described below. The method used to obtain the times and heights of HW and LW at secondary ports is explained in detail in the examples on the following pages.

2.1.4 Blank Forms

Blank forms for calculating tides are available below and may be downloaded from www.hydro.gov.au/resources/forms.

2.1.5 Example 1 – Secondary Port – Semi-diurnal Tides

Find the times and heights of HW and LW at 'secondary port' (predominantly semi-diurnal area) on 1 February (Note that the data used for this example does not refer to the year of these tables nor to any particular port).

Extract from secondary ports table:

PORT No.	PORT NAME	GEOGRAPHICAL POSITION		MEAN TIME DIFFERENCE	TIDAL LEVELS (metres, ref. to LAT)						To CHART DATUM (m)	SOURCE	Remarks See page
					HAT	MHWS	MHWN	MSL	MLWN	MLWS			
91000	**STANDARD PORT**	**10° 28′S**	**142° 26′E**	**TZ -1000 (EST)**	**8.1**	**6.8**	**5.1**	**4.09**	**3.1**	**1.5**	**NA**	**STANDARD PORT**	*o*
91111	SECONDARY PORT	10° 10′S	142° 31′E	+0015	7.2	6.1	4.6	3.88	3.2	1.7	0.0	HYDRO 1941 MSQ	

Extract from standard ports table for required day:

	FEBRUARY	
	Time	**m**
1	0338	5.8
	0958	3.7
SA	1441	5.2
	2121	0.9

Complete the calculation form for semi-diurnal tides:

	(1) Time		(2) Height		(3) MSL	(4) Levels		(5) Levels Range
Standard Port Data	HW	LW	HW	LW		MHWS	MLWS	MHWS - MLWS
	0338	**0958**	**5.8**	**3.7**	**4.1**	**6.8**	**1.5**	**5.3**
	1441	**2121**	**5.2**	**0.9**				
(6) Predicted Height - MSL (2) - (3)			**1.7**	**-0.4**				
			1.1	**-3.2**				
Secondary Port Data	(7) Mean Time Difference				(8) MSL	(9) MHWS	(9) MLWS	(10) Levels Range MHWS - MLWS
	+0015				**3.9**	**6.1**	**1.7**	**4.4**
(12) Calculation (6)*(11)			**1.4**	**-0.3**				(11) Range Ratio (10) / (5)
			0.9	**-2.7**				**0.83**
(13) To chart datum			**-0.2**					
Secondary Port Results	(14) **Time** (1) + (7)		(15) **Height** (8)+(12)+(13)					
	0353	**1013**	**5.1**	**3.4**				
	1456	**2136**	**4.6**	**1.0**				

Step	Instruction – semi-diurnal tides
1	Obtain predicted times and heights of HW and LW at the standard port, enter them in Box 1 (times) and 2 (heights).
2	Obtain MSL and spring levels for the standard port, enter them in Box 3 (MSL) and Box 4 (MHWS and MLWS).
3	Subtract the MLWS value from that of MHWS for the standard port, enter the result in Box 5 (levels range).
4	Subtract the MSL value for the standard port in Box 3 from the height predictions in Box 2, enter results in Box 6. The HW column should have positive values, the LW column should have negative values.
5	Obtain data for the secondary port, enter the mean time difference in Box 7, MSL in Box 8, MHWS and MLWS in Box 9.
6	Subtract the MLWS value from that of MHWS for the secondary port, enter the result in Box 10 (levels range).
7	Obtain the range ratio by dividing the secondary port levels range in Box 10 by the standard port in Box 5, enter the result in Box 11.
8	Multiply the figures in Box 6 by the range ratio in Box 11, enter the corresponding products in Box 12.
9	Obtain the correction to CD, enter in Box 13.
10	Add the mean time difference for the secondary port in Box 7 to all predicted times for the standard port in Box 1, enter the results in Box 14. These are the **times of high and low water** for the secondary port.
11	Add the values in Box 12 and Box 13 to the MSL value for the secondary port in Box 8, enter the results in Box 15. These are the **heights of high and low water** for the secondary port.

2.1.6 Example 2 – Secondary Port – Diurnal Tides

Find the times and heights of HW and LW at 'secondary port' (predominantly semi-diurnal area) on 1 April. (Note that the data used for this example does not refer to the year of these tables nor to any particular port).

Extract from secondary ports table:

PORT No.	PORT NAME	GEOGRAPHICAL POSITION	MEAN TIME DIFFERENCE	TIDAL LEVELS (metres, ref. to LAT)						To CHART DATUM (m)	SOURCE	Remarks See page
				HAT	MHHW	MLHW	MSL	MHLW	MLLW			
92000	STANDARD PORT	20° 30´S 140° 50´E	TZ -1000 (EST)	1.9	1.5	1.0	0.90	0.7	0.2	NA	STANDARD PORT	o
92222	SECONDARY PORT	19° 4´S 139° 10´E	-0120	2.0	1.7	1.1	1.01	0.9	0.2	0.4	HYDRO 1941 MSQ	

Extract from standard port predictions:

	APRIL	
	Time	m
1	0246	1.8
	0918	0.4
	1512	1.4
SA	2050	0.5

Complete the calculation form for diurnal tides:

Standard Port Data	(1) Time HW	(1) Time LW	(2) Height HW	(2) Height LW	(3) MSL	(4) Levels MHHW	(4) Levels MLLW	(5) Levels Range MHHW - MLLW
	0246	**0918**	**1.8**	**0.4**	**0.9**	**1.5**	**0.2**	**1.3**
	1512	**2050**	**1.4**	**0.5**				
(6) Predicted Height - MSL (2) - (3)			**0.9**	**-0.5**				
			0.5	**-0.4**				
Secondary Port Data	(7) Mean Time Difference				(8) MSL	(9) MHHW	(9) MLLW	(10) Levels Range MHHW - MLLW
	-0120				**1.0**	**1.7**	**0.2**	**1.5**
(12) Calculation (6)*(11)			**1.0**	**-0.6**				(11) Range Ratio (10) / (5)
			0.6	**-0.5**				**1.15**
(13) To Chart Datum			**+0.4**					
Secondary Port Results	(14) **Time** (1) + (7)		(15) **Height** (8)+(12)+(13)					
	0126	**0758**	**2.4**	**0.8**				
	1352	**1930**	**2.0**	**0.9**				

Step	Instruction – diurnal tides
1	Obtain predicted times and heights of HW and LW at the standard port. Enter them in Box 1 (times) and 2 (heights).
2	Obtain MSL and spring levels for the standard port. Enter them in Box 3 (MSL) and Box 4 (MHHW and MLLW).
3	Subtract the MLLW value from that of MHHW for the standard port. Enter the result in Box 5 (levels range).
4	Subtract the MSL value for the standard port in Box 3 from the height predictions in Box 2. Enter results in Box 6. The HW column should have positive values. The LW column should have negative values.
5	Obtain data for the secondary port. Enter the mean time difference in Box 7, the MSL in Box 8, the MHHW and MLLW in Box 9.
6	Subtract the MLLW value from that of MHHW for the secondary port. Enter the result in Box 10 (levels range).
7	Obtain the range ratio by dividing the secondary port levels range in Box 10 by the standard port in Box 5. Enter the result in Box 11.
8	Multiply the figures in Box 6 by the range ratio in Box 11. Enter the corresponding products in Box 12.
9	Obtain the correction to CD and enter in Box 13.
10	Add the mean time difference for the secondary port in Box 7 to all predicted times for the standard port in Box 1. Enter the results in Box 14. These are the **times of high and low water** for the secondary port.
11	Add the values in Box 12 and Box 13 to the MSL value for the secondary port in Box 8. Enter the results in Box 15. These are the **heights of high and low water** for the secondary port.

Form for semi-diurnal tides

Standard Port Data	(1) Time HW	(1) Time LW	(2) Height HW	(2) Height LW	(3) MSL	(4) Levels MHWS	(4) Levels MLWS	(5) Levels Range MHWS - MLWS	
(6) Predicted Height - MSL (2) - (3)									
Secondary Port Data	(7) Mean Time Difference				(8) MSL	(9) MHWS	(9) MLWS	(10) Levels Range MHWS - MLWS	
(12) Calculation (6)*(11)								(11) Range Ratio (10) / (5)	
(13) To Chart Datum									
Secondary Port Results	(14) **Time** (1) + (7)		(15) **Height** (8)+(12)+(13)						

Step	Instruction – semi-diurnal tides
1	Obtain predicted times and heights of HW and LW at the standard port, enter them in Box 1 (times) and 2 (heights).
2	Obtain MSL and spring levels for the standard port, enter them in Box 3 (MSL) and Box 4 (MHWS and MLWS).
3	Subtract the MLWS value from that of MHWS for the standard port, enter the result in Box 5 (levels range).
4	Subtract the MSL value for the standard port in Box 3 from the height predictions in Box 2, enter results in Box 6. The HW column should have positive values, the LW column should have negative values.
5	Obtain data for the secondary port, enter the mean time difference in Box 7, MSL in Box 8, MHWS and MLWS in Box 9.
6	Subtract the MLWS value from that of MHWS for the secondary port, enter the result in Box 10 (levels range).
7	Obtain the range ratio by dividing the secondary port levels range in Box 10 by the standard port in Box 5, enter the result in Box 11.
8	Multiply the figures in Box 6 by the range ratio in Box 11, enter the corresponding products in Box 12.
9	Obtain the correction to CD, enter in Box 13.
10	Add the mean time difference for the secondary port in Box 7 to all predicted times for the standard port in Box 1. Enter the results in Box 14. These are the **times of high and low water** for the secondary port.
11	Add the values in Box 12 and Box 13 to the MSL value for the secondary port in Box 8. Enter the results in Box 15. These are the **heights of high and low water** for the secondary port.

Form for diurnal tides

	(1) Time HW	(1) Time LW	(2) Height HW	(2) Height LW	(3) MSL	(4) Levels MHHW	(4) Levels MLLW	(5) Levels Range MHHW - MLLW
Standard Port Data								
(6) Predicted Height - MSL (2) - (3)								

	(7) Mean Time Difference	(8) MSL	(9) MHHW	(9) MLLW	(10) Levels Range MHHW - MLLW	(11) Range Ratio (10) / (5)
Secondary Port Data						
(12) Calculation (6)*(11)						

	(13) To Chart Datum	(14) **Time** (1) + (7)	(15) **Height** (8)+(12)+(13)
Secondary Port Results			

Step	Instruction – diurnal tides
1	Obtain predicted times and heights of HW and LW at the standard port. Enter them in Box 1 (times) and 2 (heights).
2	Obtain MSL and spring levels for the standard port. Enter them in Box 3 (MSL) and Box 4 (MHHW and MLLW).
3	Subtract the MLLW value from that of MHHW for the standard port. Enter the result in Box 5 (levels range).
4	Subtract the MSL value for the standard port in Box 3 from the height predictions in Box 2. Enter results in Box 6. The HW column should have positive values. The LW column should have negative values.
5	Obtain data for the secondary port. Enter the mean time difference in Box 7, the MSL in Box 8, the MHHW and MLLW in Box 9.
6	Subtract the MLLW value from that of MHHW for the secondary port. Enter the result in Box 10 (levels range).
7	Obtain the range ratio by dividing the secondary port levels range in Box 10 by the standard port in Box 5. Enter the result in Box 11.
8	Multiply the figures in Box 6 by the range ratio in Box 11. Enter the corresponding products in Box 12.
9	Obtain the correction to CD and enter in Box 13.
10	Add the mean time difference for the secondary port in Box 7 to all predicted times for the standard port in Box 1. Enter the results in Box 14. These are the **times of high and low water** for the secondary port.
11	Add the values in Box 12 and Box 13 to the MSL value for the secondary port in Box 8. Enter the results in Box 15. These are the **heights of high and low water** for the secondary port.

2.2 Calculating Times or Heights between High and Low Waters Using a Computer

Times and heights between HW and LW of standard ports and secondary ports can be interpolated by using a calculator or computer provided that the duration of rise or fall is between 5 to 7 hours. If the period of rise or fall is outside this range, the tidal curve is likely to be distorted.

2.2.1 Calculating height of tide for a given time

If t_1 and h_1 denote the time and height of tide (high or low) immediately preceding time t and t_2 and h_2 denote the height of the tide (high or low) immediately following, then the height at time t is given by the following formula:

$h = h_1 + (h_2 - h_1)(\cos A + 1)/2$ where $A = \pi[(t - t_1)/(t_2 - t_1) + 1]$ radians
Note 1: On falling tides $(h_2 - h_1)$ will be negative. Note 2: t, t_1 and t_2 are in decimal hours.

2.2.2 Calculating time for a given height of tide

With t_1, h_1, t_2, h_2 defined as above, the intermediate time t when the tide is at a given height h, can be calculated from the following formula:

$t = t_1 + (t_2 - t_1)(A/\pi - 1)$ where $A = 2\pi$ - acos $[2(h - h_1)/(h_2 - h_1) - 1]$ radians
Note 1: On falling tides $(h - h_1)$ and $(h_2 - h_1)$ will be negative. Note 2: t, t_1 and t_2 are in decimal hours. Note 3: It is presumed that the range of the acos function is $[0, \pi]$.

2.3 Calculating Times or Heights between High and Low Waters Using Graphical Interpolation

Times and heights between HW and LW at standard ports and secondary ports can be interpolated by using a graph provided that the duration of rise or fall is between 5 to 7 hours. If the period of rise or fall is outside this range, the tidal curve is likely to be distorted.

Separate copies of the tides interpolation graph may be downloaded from the Forms section of the AHO website at www.hydro.gov.au/resources/forms.

2.3.1 Example 3 - Standard Port - Intermediate Tides

Find the height of tide at 0600 at ‘standard port’ on 1 February. (Note that the data used for this example does not refer to the year of these tables nor to any particular port).

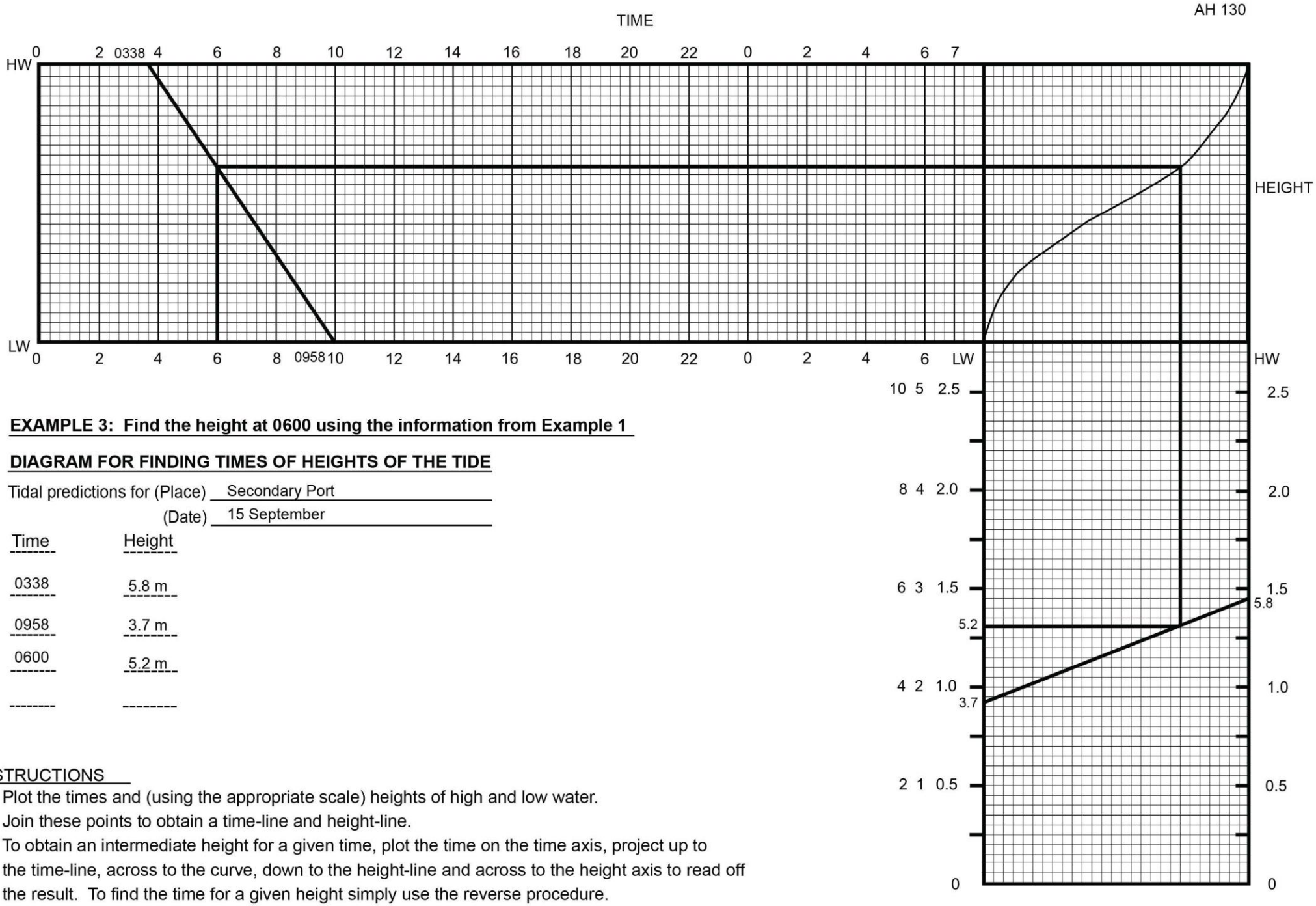
Extract from standard ports table for required day:

	FEBRUARY	
	Time	m
1	0338 0958 1441 2121	5.8 3.7 5.2 0.9
SA		

Complete the graphical interpolation form:

Step	Instruction
1	Plot the time of HW on the time axis marked HW Plot the time of LW on the time axis marked LW Connect these two points by a straight line called the ‘time-line’. Note: Hours from 0000-0700 are repeated on the right-hand side of the scale for use when midnight (0000) falls between HW and LW.
2	Choose an appropriate height scale (0-2.5m, 0-5m or 0-10m) Plot the height of HW on the height axis marked HW Plot the height of LW on the axis marked LW Connect these two points by a straight line called the ‘height-line’.
3	To find the height of tide for a given intermediate time: Plot the time on the LW time axis Project it up to the time-line Across to the cosine curve Down to the height-line Across to the LW height axis Read Height.
4	To find the time at which a given intermediate height occurs: Plot the height on the LW height axis Project it across to the height-line Up to the cosine curve Across to the time-line Down to the LW time axis Read Time.

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EXAMPLE 3: Find the height at 0600 using the information from Example 1

DIAGRAM FOR FINDING TIMES OF HEIGHTS OF THE TIDE

Tidal predictions for (Place) Secondary Port

(Date) 15 September

Time	Height
0338	5.8 m
0958	3.7 m
0600	5.2 m

INSTRUCTIONS

1. Plot the times and (using the appropriate scale) heights of high and low water.
2. Join these points to obtain a time-line and height-line.
3. To obtain an intermediate height for a given time, plot the time on the time axis, project up to the time-line, across to the curve, down to the height-line and across to the height axis to read off the result. To find the time for a given height simply use the reverse procedure.

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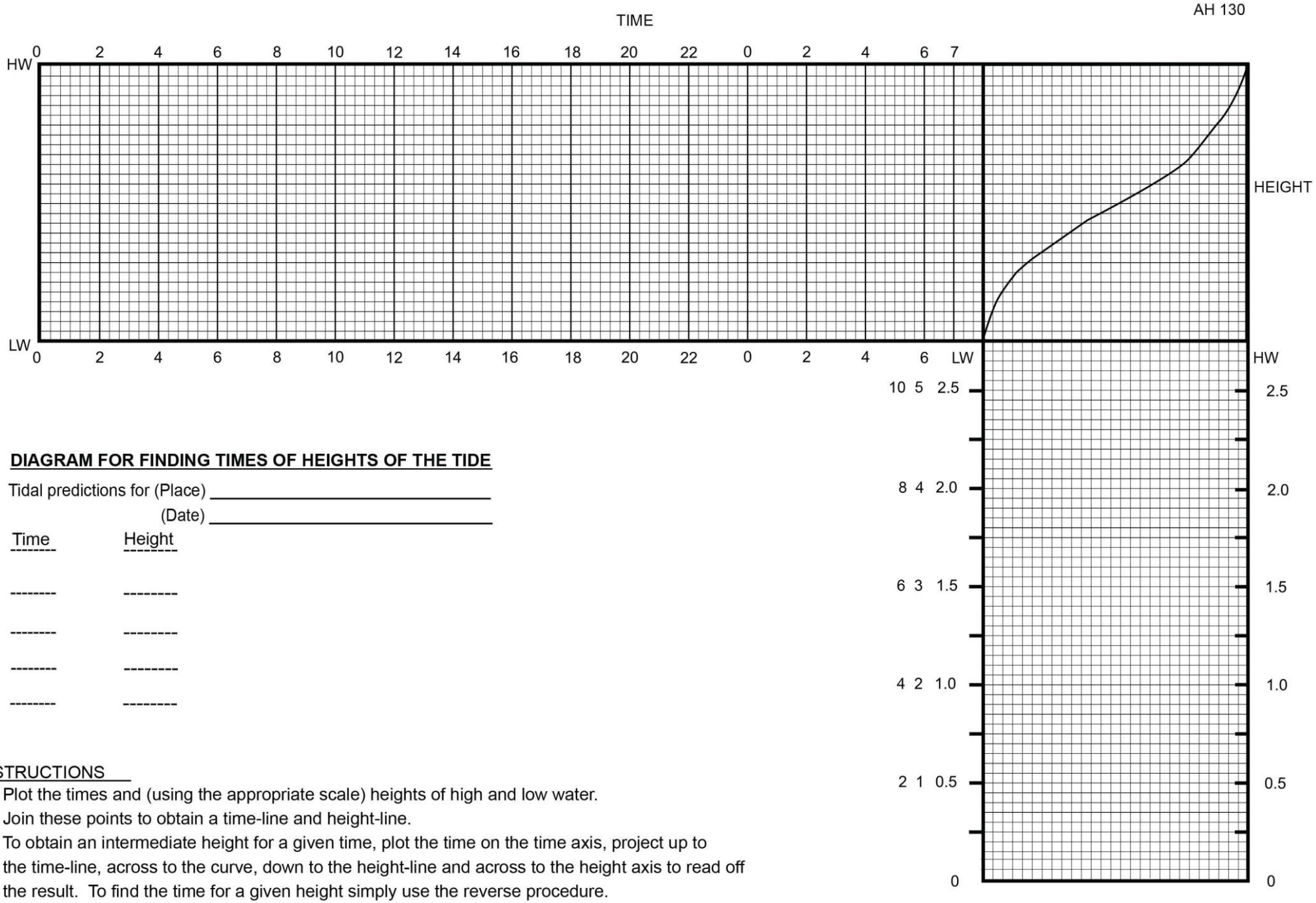


DIAGRAM FOR FINDING TIMES OF HEIGHTS OF THE TIDE

Tidal predictions for (Place) _____

(Date) _____

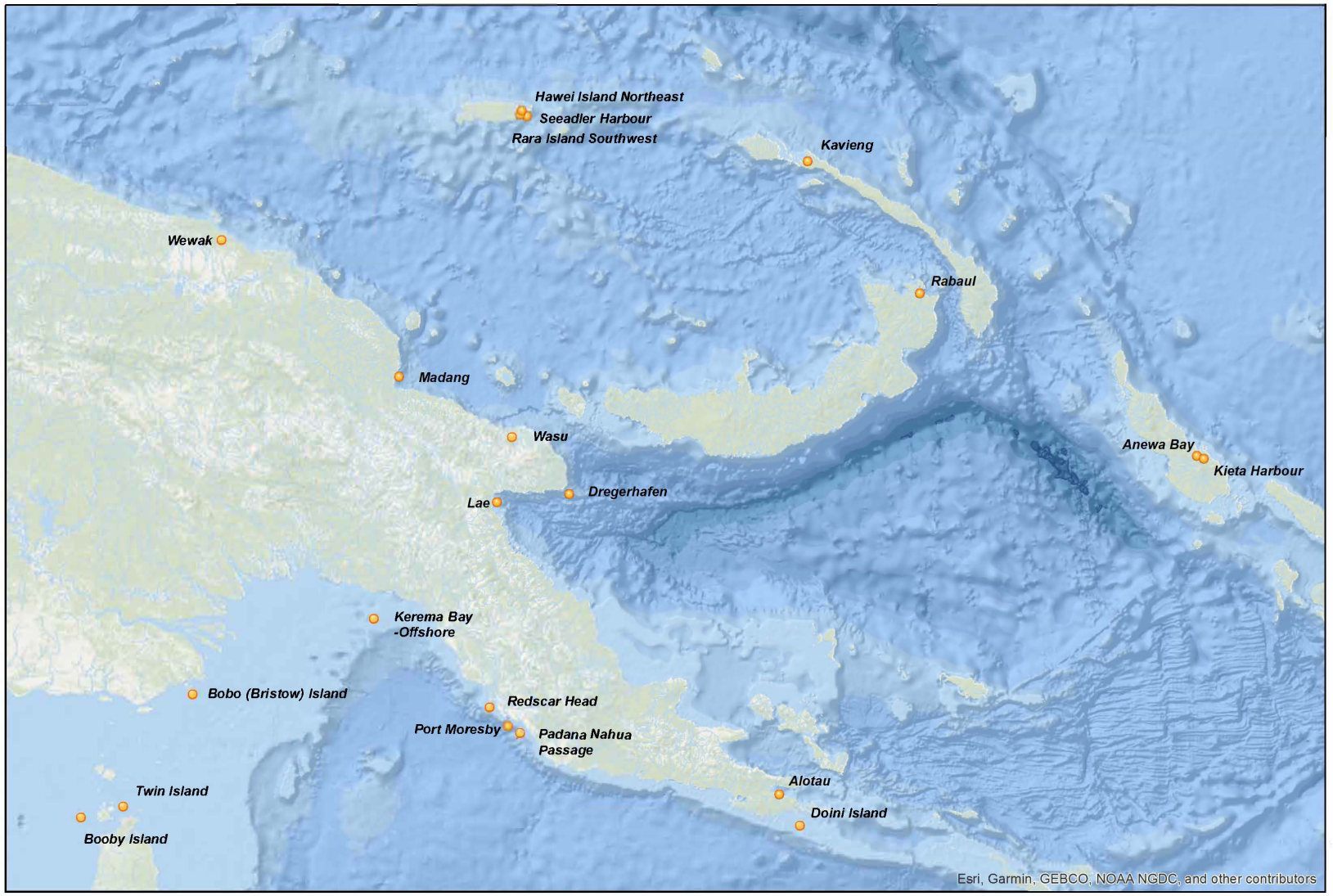
Time	Height
-------	-------
-------	-------
-------	-------
-------	-------
-------	-------

INSTRUCTIONS

1. Plot the times and (using the appropriate scale) heights of high and low water.
2. Join these points to obtain a time-line and height-line.
3. To obtain an intermediate height for a given time, plot the time on the time axis, project up to the time-line, across to the curve, down to the height-line and across to the height axis to read off the result. To find the time for a given height simply use the reverse procedure.

3 Tidal predictions for standard ports

3.1 Standard ports predictions map



PAPUA NEW GUINEA - BOBO (BRISTOW) ISLAND

LAT 9° 06´ S LONG 143° 17´ E

TIME ZONE -1000

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

YEAR 2027

JANUARY

	Time	m		Time	m
1 FR	1312	1.7	**16** SA ◑	0634	2.2
	1822	2.4		1138	2.0
				1526	2.4
2 SA	0128	1.0	**17** SU	0014	1.2
	0836	3.0		0733	2.6
	1433	1.6		1326	1.8
	1938	2.3		1804	2.3
3 SU	0216	0.9	**18** MO	0114	1.0
	0915	3.2		0811	3.0
	1528	1.4		1433	1.5
	2021	2.3		1923	2.4
4 MO	0257	0.8	**19** TU	0209	0.8
	0949	3.3		0850	3.3
	1607	1.3		1519	1.2
	2048	2.3		2008	2.6
5 TU	0331	0.8	**20** WE	0257	0.5
	1017	3.4		0931	3.7
	1638	1.2		1600	0.9
	2109	2.3		2048	2.7
6 WE	0358	0.7	**21** TH	0342	0.3
	1042	3.4		1014	4.0
	1704	1.2		1640	0.7
	2130	2.4		2126	2.8
7 TH	0420	0.7	**22** FR ○	0424	0.1
	1104	3.4		1057	4.1
	1724	1.2		1719	0.6
	2152	2.4		2207	2.9
8 FR ●	0437	0.7	**23** SA	0505	0.1
	1127	3.4		1139	4.2
	1744	1.2		1759	0.6
	2214	2.4		2249	2.9
9 SA	0454	0.7	**24** SU	0545	0.2
	1151	3.4		1217	4.1
	1805	1.3		1841	0.7
	2237	2.4		2335	2.8
10 SU	0508	0.8	**25** MO	0626	0.4
	1214	3.3		1250	3.9
	1830	1.3		1925	0.9
	2304	2.4			
11 MO	0521	0.9	**26** TU	0024	2.6
	1234	3.2		0710	0.8
	1859	1.4		1319	3.5
	2337	2.3		2014	1.0
12 TU	0536	1.1	**27** WE	0118	2.5
	1252	3.1		0805	1.2
	1941	1.5		1346	3.1
				2109	1.2
13 WE	0017	2.2	**28** TH	0232	2.3
	0556	1.3		0917	1.7
	1312	3.0		1413	2.7
	2053	1.5		2210	1.3
14 TH	0108	2.1	**29** FR ◐	0634	2.3
	0622	1.5		1106	2.0
	1340	2.8		1448	2.2
	2206	1.4		2331	1.3
15 FR	0223	2.0	**30** SA	0755	2.7
	0657	1.8		1422	1.8
	1420	2.6		1916	2.0
	2311	1.4			
			31 SU	0108	1.3
				0838	2.9
				1511	1.5
				2016	2.1

FEBRUARY

	Time	m		Time	m
1 MO	0212	1.1	**16** TU	0106	1.2
	0912	3.2		0758	3.1
	1539	1.2		1440	1.3
	2050	2.2		1951	2.3
2 TU	0254	1.0	**17** WE	0206	0.8
	0942	3.3		0839	3.5
	1604	1.1		1515	1.0
	2109	2.3		2026	2.6
3 WE	0326	0.8	**18** TH	0254	0.5
	1007	3.4		0919	3.8
	1625	1.0		1549	0.7
	2119	2.4		2057	2.8
4 TH	0350	0.7	**19** FR	0335	0.2
	1027	3.5		0958	4.0
	1643	1.0		1623	0.5
	2131	2.5		2129	3.0
5 FR	0408	0.6	**20** SA	0412	0.0
	1046	3.5		1035	4.1
	1659	1.0		1657	0.4
	2147	2.5		2203	3.1
6 SA	0425	0.6	**21** SU ○	0448	0.0
	1105	3.5		1108	4.1
	1715	1.0		1730	0.4
	2207	2.6		2240	3.1
7 SU ●	0440	0.6	**22** MO	0522	0.2
	1123	3.5		1136	3.9
	1734	1.0		1802	0.6
	2229	2.6		2320	3.1
8 MO	0455	0.7	**23** TU	0556	0.5
	1137	3.4		1159	3.7
	1753	1.0		1835	0.7
	2256	2.6			
9 TU	0509	0.8	**24** WE	0002	2.9
	1147	3.3		0631	1.0
	1809	1.1		1219	3.3
	2329	2.6		1908	0.9
10 WE	0526	1.0	**25** TH	0047	2.8
	1200	3.2		0714	1.4
	1823	1.2		1237	2.9
				1947	1.2
11 TH	0007	2.6	**26** FR	0140	2.6
	0548	1.2		0829	1.9
	1220	3.0		1246	2.4
	1843	1.2		2047	1.4
12 FR	0052	2.5	**27** SA	0313	2.4
	0615	1.5		0519	2.3
	1246	2.8		0647	2.3
	1918	1.3		1729	1.7
				1915	1.7
				2214	1.6
13 SA	0152	2.4	**28** SU ◐	0746	2.7
	0652	1.9		1534	1.5
	1316	2.5		2004	1.9
	2158	1.4			
14 SU ◑	0436	2.3			
	1148	2.1			
	1356	2.1			
	2340	1.4			
15 MO	0711	2.7			
	1401	1.7			
	1905	2.1			

MARCH

	Time	m		Time	m
1 MO	0053	1.5	**16** TU ◑	0635	2.9
	0822	2.9		1400	1.5
	1514	1.3		1929	2.1
	2034	2.1			
2 TU	0200	1.3	**17** WE	0058	1.2
	0852	3.1		0733	3.3
	1526	1.1		1426	1.1
	2056	2.3		2000	2.5
3 WE	0237	1.1	**18** TH	0154	0.8
	0917	3.2		0816	3.6
	1542	1.0		1456	0.8
	2109	2.4		2030	2.8
4 TH	0303	0.9	**19** FR	0239	0.5
	0938	3.3		0855	3.8
	1557	0.9		1528	0.5
	2115	2.5		2058	3.0
5 FR	0323	0.8	**20** SA	0318	0.3
	0955	3.4		0930	3.9
	1611	0.8		1559	0.4
	2124	2.6		2127	3.2
6 SA	0342	0.6	**21** SU	0355	0.2
	1011	3.5		0959	3.9
	1625	0.8		1628	0.3
	2139	2.7		2157	3.3
7 SU	0400	0.6	**22** MO ○	0429	0.3
	1027	3.5		1023	3.8
	1641	0.8		1655	0.4
	2158	2.8		2230	3.3
8 MO ●	0419	0.6	**23** TU	0502	0.5
	1040	3.5		1044	3.6
	1658	0.8		1719	0.5
	2221	2.9		2307	3.3
9 TU	0437	0.7	**24** WE	0534	0.8
	1048	3.4		1104	3.3
	1713	0.8		1739	0.7
	2248	3.0		2346	3.2
10 WE	0455	0.8	**25** TH	0610	1.2
	1059	3.3		1124	3.0
	1723	0.8		1754	0.9
	2321	3.0			
11 TH	0516	1.1	**26** FR	0028	3.0
	1117	3.2		0655	1.6
	1736	0.9		1140	2.6
	2359	2.9		1800	1.2
12 FR	0543	1.3	**27** SA	0116	2.8
	1141	3.0		0806	1.9
	1755	1.0		1139	2.3
				1722	1.4
13 SA	0045	2.8	**28** SU	0222	2.6
	0619	1.7		1624	1.5
	1207	2.7		2004	1.7
	1820	1.2		2103	1.7
14 SU	0148	2.7	**29** MO	0707	2.6
	0728	2.0		1512	1.4
	1233	2.3		2009	2.0
	1900	1.5		2359	1.8
15 MO	0413	2.6	**30** TU ◐	0745	2.8
	1618	1.7		1453	1.2
	1849	1.8		2026	2.2
	2331	1.5			
			31 WE	0122	1.6
				0813	3.0
				1459	1.1
				2041	2.3

APRIL

	Time	m		Time	m
1 TH	0158	1.4	**16** FR	0131	0.9
	0834	3.1		0742	3.6
	1509	1.0		1429	0.7
	2051	2.5		2021	2.9
2 FR	0224	1.1	**17** SA	0218	0.7
	0850	3.2		0820	3.6
	1519	0.9		1501	0.5
	2058	2.6		2054	3.1
3 SA	0247	1.0	**18** SU	0300	0.6
	0905	3.3		0851	3.6
	1532	0.8		1531	0.4
	2111	2.8		2125	3.3
4 SU	0310	0.8	**19** MO	0339	0.6
	0923	3.4		0915	3.6
	1547	0.7		1558	0.3
	2130	2.9		2156	3.4
5 MO	0334	0.8	**20** TU	0416	0.7
	0938	3.4		0936	3.4
	1605	0.6		1621	0.4
	2152	3.1		2229	3.5
6 TU	0359	0.8	**21** WE ○	0453	0.9
	0949	3.4		0958	3.2
	1621	0.6		1639	0.5
	2216	3.2		2303	3.4
7 WE ●	0424	0.9	**22** TH	0530	1.2
	1001	3.3		1022	2.9
	1635	0.6		1654	0.7
	2244	3.3		2340	3.4
8 TH	0451	1.0	**23** FR	0609	1.4
	1020	3.2		1045	2.7
	1648	0.6		1705	0.9
	2319	3.3			
9 FR	0523	1.2	**24** SA	0018	3.2
	1045	3.0		0654	1.7
	1706	0.8		1103	2.4
				1706	1.1
10 SA	0002	3.3	**25** SU	0101	3.0
	0605	1.5		0751	1.9
	1115	2.8		1107	2.1
	1730	1.0		1638	1.3
11 SU	0055	3.1	**26** MO	0154	2.8
	0725	1.7		1605	1.4
	1147	2.4			
	1801	1.2			
12 MO	0212	3.0	**27** TU	0307	2.7
	0941	1.9		1503	1.4
	1222	2.1		2001	1.9
	2129	1.5		2208	1.9
13 TU	0405	3.0	**28** WE	0507	2.6
	1236	1.7		1429	1.3
	1837	2.0		2010	2.1
	2318	1.4		2355	1.8
14 WE ◑	0550	3.2	**29** TH ◐	0646	2.8
	1322	1.3		1424	1.2
	1915	2.3		2021	2.3
15 TH	0035	1.2	**30** FR	0054	1.6
	0655	3.4		0716	2.9
	1356	0.9		1426	1.1
	1949	2.6		2027	2.4

55445

PAPUA NEW GUINEA - BOBO (BRISTOW) ISLAND

LAT 9° 06′ S LONG 143° 17′ E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -1000 YEAR 2027

MAY

	Time	m		Time	m
1 SA	0133	1.4	**16** SU	0159	1.1
	0742	3.0		0741	3.3
	1434	0.9		1432	0.5
	2037	2.6		2051	3.2
2 SU	0207	1.3	**17** MO	0248	1.0
	0807	3.1		0813	3.2
	1449	0.8		1504	0.5
	2054	2.8		2127	3.4
3 MO	0240	1.1	**18** TU	0334	1.0
	0829	3.2		0838	3.0
	1508	0.6		1533	0.5
	2118	3.1		2201	3.5
4 TU	0313	1.0	**19** WE	0417	1.1
	0846	3.2		0903	2.9
	1528	0.5		1558	0.5
	2144	3.3		2234	3.5
5 WE	0346	1.0	**20** TH ○	0458	1.2
	0903	3.1		0930	2.8
	1548	0.5		1618	0.6
	2213	3.4		2305	3.5
6 TH ●	0422	1.0	**21** FR	0535	1.3
	0925	3.1		0958	2.6
	1608	0.5		1635	0.8
	2246	3.5		2337	3.4
7 FR	0502	1.1	**22** SA	0611	1.4
	0954	3.0		1025	2.4
	1630	0.5		1652	0.9
	2327	3.6			
8 SA	0549	1.2	**23** SU	0011	3.3
	1028	2.8		0646	1.6
	1700	0.7		1049	2.3
				1703	1.1
9 SU	0016	3.6	**24** MO	0047	3.2
	0648	1.4		0726	1.7
	1106	2.6		1107	2.1
	1743	0.9		1656	1.3
10 MO	0114	3.5	**25** TU	0128	3.0
	0803	1.6		0822	1.8
	1150	2.3		1115	2.0
	1923	1.2		1642	1.4
11 TU	0223	3.4	**26** WE	0214	2.9
	0939	1.6		1619	1.5
	1255	1.9			
	2123	1.3			
12 WE	0342	3.3	**27** TH	0311	2.8
	1123	1.4		1432	1.6
	1746	2.1		2012	1.9
	2250	1.3		2213	1.8
13 TH ◑	0500	3.3	**28** FR ◐	0419	2.7
	1232	1.2		1320	1.4
	1845	2.4		2012	2.1
				2334	1.8
14 FR	0003	1.2	**29** SA	0529	2.7
	0606	3.3		1320	1.3
	1319	0.9		2009	2.3
	1930	2.7			
15 SA	0104	1.1	**30** SU	0038	1.7
	0659	3.3		0626	2.8
	1357	0.7		1340	1.0
	2012	3.0		2017	2.6
			31 MO	0131	1.6
				0708	2.8
				1404	0.9
				2037	2.8

JUNE

	Time	m		Time	m
1 TU	0218	1.4	**16** WE	0344	1.3
	0739	2.8		0829	2.6
	1431	0.7		1523	0.6
	2103	3.1		2208	3.5
2 WE	0301	1.3	**17** TH	0426	1.2
	0806	2.9		0857	2.5
	1458	0.5		1555	0.6
	2134	3.4		2238	3.5
3 TH	0344	1.2	**18** FR	0503	1.2
	0834	2.9		0924	2.5
	1527	0.4		1622	0.7
	2208	3.6		2306	3.5
4 FR	0426	1.1	**19** SA ○	0533	1.2
	0907	2.9		0951	2.4
	1600	0.4		1643	0.8
	2248	3.7		2332	3.5
5 SA ●	0511	1.1	**20** SU	0600	1.3
	0944	2.8		1018	2.4
	1638	0.4		1701	0.8
	2333	3.8			
6 SU	0559	1.1	**21** MO	0000	3.4
	1026	2.7		0624	1.4
	1724	0.5		1044	2.3
				1717	1.0
7 MO	0023	3.9	**22** TU	0028	3.3
	0653	1.2		0652	1.5
	1112	2.5		1109	2.2
	1822	0.7		1727	1.1
8 TU	0116	3.8	**23** WE	0057	3.2
	0756	1.3		0728	1.6
	1206	2.3		1136	2.1
	1936	0.9		1733	1.2
9 WE	0210	3.7	**24** TH	0125	3.1
	0909	1.3		0824	1.6
	1327	2.1		1209	2.0
	2055	1.1		1742	1.4
10 TH	0305	3.5	**25** FR	0154	2.9
	1026	1.3		0940	1.6
	1635	2.1		1258	1.9
	2211	1.3		1753	1.6
11 FR ◑	0404	3.3	**26** SA	0224	2.8
	1136	1.1		1052	1.5
	1808	2.4		2102	1.9
	2326	1.4		2205	1.9
12 SA	0508	3.1	**27** SU ◐	0307	2.6
	1235	1.0		1151	1.4
	1916	2.7		2017	2.2
				2344	2.0
13 SU	0041	1.5	**28** MO	0424	2.5
	0614	2.9		1239	1.2
	1324	0.8		2000	2.5
	2009	2.9			
14 MO	0152	1.4	**29** TU	0107	1.9
	0712	2.7		0608	2.4
	1408	0.7		1322	1.0
	2053	3.2		2020	2.8
15 TU	0253	1.4	**30** WE	0212	1.6
	0757	2.6		0708	2.5
	1447	0.7		1402	0.8
	2133	3.4		2050	3.1

JULY

	Time	m		Time	m
1 TH	0302	1.4	**16** FR	0427	1.1
	0750	2.6		0914	2.4
	1443	0.6		1557	0.7
	2123	3.4		2236	3.5
2 FR	0346	1.2	**17** SA	0455	1.0
	0827	2.7		0930	2.4
	1523	0.4		1622	0.6
	2202	3.7		2259	3.5
3 SA	0427	1.0	**18** SU	0517	1.1
	0905	2.8		0949	2.5
	1605	0.3		1640	0.6
	2245	3.9		2319	3.5
4 SU ●	0508	0.8	**19** MO ○	0536	1.1
	0945	2.8		1011	2.5
	1647	0.2		1654	0.7
	2330	4.1		2339	3.4
5 MO	0552	0.8	**20** TU	0554	1.2
	1029	2.8		1035	2.5
	1732	0.2		1706	0.7
6 TU	0015	4.1	**21** WE	0000	3.4
	0638	0.9		0615	1.2
	1116	2.7		1101	2.5
	1819	0.4		1718	0.9
7 WE	0057	4.0	**22** TH	0017	3.3
	0730	0.9		0638	1.3
	1210	2.6		1129	2.4
	1912	0.7		1728	1.0
8 TH	0138	3.8	**23** FR	0031	3.2
	0828	1.0		0704	1.4
	1316	2.4		1203	2.3
	2015	1.0		1742	1.2
9 FR	0217	3.5	**24** SA	0046	3.0
	0930	1.1		0740	1.4
	1458	2.3		1245	2.2
	2127	1.4		1801	1.5
10 SA	0259	3.1	**25** SU	0105	2.8
	1035	1.1		0912	1.5
	1721	2.3		1340	2.1
	2250	1.7		1822	1.8
11 SU ◑	0352	2.7	**26** MO	0131	2.6
	1144	1.1		1028	1.5
	1914	2.6		1738	2.1
				1823	2.1
				2117	2.1
				2252	2.1
12 MO	0035	1.8	**27** TU ◐	0209	2.3
	0539	2.4		1139	1.4
	1254	1.1		1940	2.4
	2014	2.9			
13 TU	0213	1.6	**28** WE	0117	2.0
	0727	2.3		0414	2.1
	1354	0.9		1249	1.2
	2058	3.2		2003	2.8
14 WE	0314	1.4	**29** TH	0226	1.6
	0821	2.3		0719	2.2
	1444	0.8		1349	0.9
	2136	3.4		2036	3.2
15 TH	0355	1.2	**30** FR	0306	1.3
	0854	2.3		0759	2.4
	1524	0.7		1438	0.6
	2208	3.5		2112	3.5
			31 SA	0342	1.0
				0834	2.6
				1522	0.4
				2152	3.8

AUGUST

	Time	m		Time	m
1 SU	0418	0.7	**16** MO	0449	0.9
	0908	2.8		0944	2.6
	1602	0.1		1620	0.6
	2232	4.1		2251	3.5
2 MO ●	0454	0.6	**17** TU ○	0504	0.9
	0946	3.0		1002	2.7
	1641	0.0		1633	0.6
	2312	4.2		2307	3.5
3 TU	0532	0.5	**18** WE	0520	0.9
	1027	3.0		1024	2.7
	1719	0.1		1647	0.7
	2349	4.2		2320	3.4
4 WE	0611	0.6	**19** TH	0536	1.0
	1111	3.0		1049	2.7
	1758	0.3		1700	0.8
				2328	3.3
5 TH	0022	4.0	**20** FR	0548	1.0
	0653	0.7		1118	2.7
	1159	2.9		1713	1.0
	1841	0.6		2338	3.2
6 FR	0052	3.7	**21** SA	0556	1.1
	0739	0.9		1151	2.6
	1252	2.7		1731	1.2
	1933	1.1		2354	3.0
7 SA	0118	3.2	**22** SU	0607	1.1
	0831	1.0		1229	2.6
	1355	2.5		1754	1.5
	2045	1.5			
8 SU	0145	2.8	**23** MO	0015	2.8
	0931	1.2		0626	1.3
	1550	2.4		1317	2.5
	2223	1.9		1822	1.8
9 MO ◑	0214	2.3	**24** TU	0038	2.6
	1046	1.3		0655	1.4
	1919	2.6		1437	2.3
				1905	2.1
				2111	2.2
				2237	2.2
10 TU	0153	1.8	**25** WE ◐	0055	2.2
	0659	2.0		1054	1.5
	1230	1.3		1842	2.5
	2013	2.9			
11 WE	0253	1.5	**26** TH	0408	1.8
	0807	2.1		0702	1.9
	1350	1.2		1235	1.3
	2052	3.2		1936	2.9
12 TH	0322	1.2	**27** FR	0228	1.5
	0845	2.2		0741	2.2
	1440	1.0		1341	1.0
	2126	3.3		2015	3.3
13 FR	0348	1.0	**28** SA	0256	1.1
	0911	2.3		0811	2.5
	1516	0.8		1430	0.6
	2155	3.4		2053	3.6
14 SA	0412	0.9	**29** SU	0327	0.8
	0925	2.4		0839	2.8
	1544	0.7		1511	0.3
	2218	3.5		2131	3.9
15 SU	0432	0.9	**30** MO	0359	0.5
	0932	2.5		0909	3.0
	1604	0.6		1548	0.1
	2236	3.5		2207	4.1
			31 TU	0432	0.4
				0942	3.2
				1625	0.0
				2240	4.1

55445

PAPUA NEW GUINEA - BOBO (BRISTOW) ISLAND

LAT 9° 06′ S LONG 143° 17′ E

TIME ZONE -1000

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

YEAR 2027

SEPTEMBER

	Time	m		Time	m
1 WE ●	0505	0.3	**16** TH ○	0443	0.7
	1020	3.3		1017	2.9
	1700	0.1		1628	0.8
	2309	4.0		2231	3.3
2 TH	0537	0.4	**17** FR	0456	0.7
	1101	3.3		1042	3.0
	1736	0.4		1646	0.9
	2334	3.7		2239	3.2
3 FR	0609	0.6	**18** SA	0504	0.8
	1145	3.2		1109	3.0
	1816	0.8		1704	1.1
	2357	3.4		2254	3.1
4 SA	0643	0.8	**19** SU	0511	0.9
	1233	3.0		1142	3.0
	1905	1.3		1727	1.3
				2315	2.9
5 SU	0019	2.9	**20** MO	0525	1.0
	0722	1.0		1222	2.9
	1326	2.8		1758	1.6
	2018	1.7		2340	2.7
6 MO	0036	2.5	**21** TU	0544	1.1
	0822	1.3		1314	2.8
	1443	2.6		1843	1.9
	2217	2.0			
7 TU	0019	2.1	**22** WE	0005	2.4
	0548	1.7		0604	1.4
	0627	1.7		1447	2.6
	0949	1.5			
	1900	2.7			
8 WE ◑	0320	1.5	**23** TH ◐	0444	1.6
	0742	1.9		0745	1.7
	1208	1.6		1040	1.6
	1951	2.9		1736	2.8
9 TH	0252	1.3	**24** FR	0159	1.6
	0817	2.1		0716	2.0
	1334	1.4		1221	1.4
	2028	3.1		1855	3.1
10 FR	0306	1.0	**25** SA	0203	1.2
	0843	2.3		0741	2.4
	1420	1.2		1324	1.0
	2059	3.3		1943	3.4
11 SA	0325	0.9	**26** SU	0232	0.9
	0904	2.5		0808	2.7
	1451	1.0		1411	0.7
	2123	3.3		2022	3.7
12 SU	0344	0.8	**27** MO	0303	0.6
	0916	2.6		0837	3.0
	1515	0.8		1452	0.4
	2141	3.4		2058	3.9
13 MO	0400	0.8	**28** TU	0334	0.4
	0923	2.7		0906	3.2
	1534	0.7		1530	0.3
	2156	3.4		2129	3.9
14 TU	0414	0.8	**29** WE	0404	0.3
	0936	2.8		0938	3.4
	1552	0.7		1607	0.3
	2210	3.4		2156	3.8
15 WE	0428	0.7	**30** TH ●	0433	0.3
	0955	2.9		1014	3.5
	1610	0.7		1644	0.5
	2223	3.4		2221	3.7

OCTOBER

	Time	m		Time	m
1 FR	0500	0.4	**16** SA	0419	0.6
	1054	3.5		1040	3.3
	1723	0.7		1643	1.1
	2245	3.4		2200	3.1
2 SA	0524	0.5	**17** SU	0430	0.6
	1136	3.4		1109	3.3
	1806	1.1		1713	1.3
	2309	3.0		2223	2.9
3 SU	0546	0.8	**18** MO	0444	0.7
	1321	3.2		1145	3.3
	1858	1.5		1749	1.5
	2332	2.6		2252	2.8
4 MO	0606	1.1	**19** TU	0505	0.9
	1310	3.0		1231	3.2
	2006	1.8		1847	1.7
	2346	2.3		2324	2.5
5 TU	0600	1.4	**20** WE	0532	1.1
	1412	2.8		1333	3.1
				2038	1.9
6 WE	0418	1.5	**21** TH	0000	2.2
	0721	1.7		0610	1.4
	0856	1.7		1503	3.0
	1616	2.6		2307	1.8
7 TH ◑	0255	1.4	**22** FR	0058	1.8
	0741	2.0		0337	1.7
	1113	1.7		0600	1.8
	1905	2.8		1028	1.5
				1648	3.1
8 FR	0228	1.2	**23** SA ◐	0044	1.5
	0805	2.2		0648	2.1
	1252	1.6		1153	1.4
	1945	3.0		1806	3.2
9 SA	0238	1.1	**24** SU	0125	1.1
	0826	2.3		0723	2.5
	1340	1.4		1257	1.1
	2013	3.1		1901	3.4
10 SU	0253	1.0	**25** MO	0201	0.8
	0844	2.5		0757	2.8
	1412	1.2		1348	0.9
	2033	3.2		1943	3.5
11 MO	0307	0.9	**26** TU	0234	0.5
	0856	2.6		0831	3.1
	1437	1.1		1433	0.7
	2049	3.2		2018	3.6
12 TU	0321	0.8	**27** WE	0306	0.4
	0909	2.8		0905	3.3
	1500	1.0		1516	0.7
	2105	3.3		2048	3.5
13 WE	0335	0.7	**28** TH	0336	0.3
	0928	2.9		0940	3.5
	1525	0.9		1558	0.7
	2121	3.3		2114	3.4
14 TH	0351	0.6	**29** FR ●	0404	0.3
	0950	3.1		1017	3.6
	1550	0.9		1640	0.9
	2134	3.2		2141	3.2
15 FR ○	0406	0.6	**30** SA	0428	0.4
	1015	3.2		1054	3.6
	1616	1.0		1723	1.1
	2144	3.1		2208	3.0
			31 SU	0451	0.6
				1133	3.5
				1808	1.3
				2237	2.7

NOVEMBER

	Time	m		Time	m
1 MO	0512	0.8	**16** TU	0442	0.7
	1214	3.4		1157	3.6
	1856	1.5		1822	1.4
	2303	2.4		2245	2.6
2 TU	0531	1.1	**17** WE	0518	0.8
	1257	3.2		1247	3.5
	1950	1.7		1924	1.5
	2324	2.1		2327	2.4
3 WE	0525	1.3	**18** TH	0614	1.1
	1346	3.0		1346	3.4
	2113	1.9		2044	1.6
	2315	1.9			
4 TH	0412	1.5	**19** FR	0022	2.1
	1446	2.8		0823	1.3
				1453	3.4
				2220	1.5
5 FR	0301	1.5	**20** SA	0425	1.9
	0729	1.9		1000	1.4
	0941	1.8		1604	3.3
	1608	2.7		2342	1.3
6 SA ◑	0202	1.4	**21** SU ◐	0602	2.2
	0749	2.1		1118	1.3
	1120	1.8		1713	3.3
	1747	2.7			
7 SU	0202	1.3	**22** MO	0040	1.0
	0809	2.2		0658	2.5
	1230	1.7		1226	1.3
	1845	2.8		1814	3.2
8 MO	0211	1.1	**23** TU	0125	0.8
	0824	2.4		0745	2.8
	1318	1.6		1327	1.2
	1920	2.9		1904	3.2
9 TU	0222	1.0	**24** WE	0204	0.6
	0837	2.6		0828	3.1
	1356	1.4		1423	1.1
	1948	3.0		1945	3.1
10 WE	0237	0.8	**25** TH	0241	0.5
	0854	2.8		0908	3.3
	1431	1.3		1515	1.1
	2014	3.0		2019	3.0
11 TH	0255	0.7	**26** FR	0315	0.4
	0916	3.0		0947	3.5
	1505	1.2		1602	1.1
	2035	3.0		2049	2.9
12 FR	0315	0.6	**27** SA	0347	0.5
	0942	3.2		1023	3.6
	1539	1.2		1647	1.1
	2051	3.0		2119	2.8
13 SA	0335	0.5	**28** SU ●	0417	0.5
	1010	3.4		1058	3.6
	1614	1.2		1728	1.2
	2110	2.9		2150	2.6
14 SU ○	0354	0.5	**29** MO	0444	0.7
	1040	3.5		1132	3.6
	1652	1.2		1806	1.3
	2136	2.9		2221	2.5
15 MO	0415	0.6	**30** TU	0509	0.8
	1115	3.5		1206	3.4
	1733	1.3		1843	1.4
	2208	2.8		2251	2.3

DECEMBER

	Time	m		Time	m
1 WE	0532	1.0	**16** TH	0550	0.6
	1241	3.3		1247	3.8
	1921	1.5		1918	1.2
	2319	2.2		2339	2.5
2 TH	0551	1.2	**17** FR	0648	0.8
	1317	3.2		1335	3.7
	2008	1.7		2022	1.2
	2344	2.0			
3 FR	0540	1.4	**18** SA	0040	2.3
	1357	3.0		0803	1.0
	2119	1.7		1424	3.6
				2134	1.2
4 SA	0004	1.8	**19** SU	0225	2.2
	0458	1.6		0922	1.2
	1442	2.9		1515	3.3
	2343	1.7		2245	1.2
5 SU	0005	1.7	**20** MO ◐	0502	2.3
	0246	1.6		1040	1.4
	0805	1.8		1613	3.1
	0927	1.8		2350	1.1
	1536	2.7			
6 MO ◑	0043	1.5	**21** TU	0636	2.5
	0811	2.0		1200	1.5
	1057	1.9		1723	2.8
	1644	2.6			
7 TU	0101	1.3	**22** WE	0048	0.9
	0819	2.3		0741	2.8
	1214	1.9		1321	1.5
	1755	2.6		1839	2.7
8 WE	0123	1.1	**23** TH	0139	0.8
	0825	2.5		0831	3.1
	1319	1.8		1431	1.4
	1851	2.6		1939	2.6
9 TH	0149	1.0	**24** FR	0226	0.7
	0839	2.8		0915	3.4
	1412	1.6		1527	1.2
	1931	2.6		2022	2.5
10 FR	0217	0.8	**25** SA	0309	0.6
	0902	3.0		0954	3.5
	1456	1.4		1612	1.1
	2000	2.6		2054	2.5
11 SA	0246	0.7	**26** SU	0348	0.6
	0929	3.3		1029	3.6
	1537	1.3		1651	1.1
	2025	2.7		2121	2.5
12 SU	0316	0.5	**27** MO	0421	0.6
	1001	3.5		1100	3.6
	1616	1.2		1724	1.1
	2054	2.7		2147	2.5
13 MO	0348	0.5	**28** TU ●	0449	0.6
	1036	3.7		1128	3.6
	1655	1.1		1753	1.1
	2127	2.7		2214	2.5
14 TU ○	0423	0.4	**29** WE	0509	0.7
	1116	3.8		1153	3.5
	1737	1.1		1818	1.2
	2206	2.7		2242	2.4
15 WE	0503	0.5	**30** TH	0525	0.8
	1200	3.8		1217	3.4
	1824	1.1		1843	1.3
	2249	2.6		2310	2.3
			31 FR	0538	1.0
				1243	3.3
				1912	1.4
				2339	2.2

55445

PAPUA NEW GUINEA - KEREMA BAY - OFFSHORE

LAT 8° 11´ S LONG 145° 30´ E

TIME ZONE -1000

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

YEAR 2027

JANUARY

	Time	m		Time	m
1 FR	0622	2.0	**16** SA	0524	1.7
	1218	1.2		1042	1.4
	1730	1.8	◑	1559	1.7
				2305	0.7
2 SA	0015	0.7	**17** SU	0618	2.0
	0714	2.1		1209	1.3
	1325	1.2		1707	1.7
	1828	1.7		2354	0.5
3 SU	0056	0.6	**18** MO	0656	2.2
	0754	2.3		1303	1.1
	1411	1.1		1804	1.8
	1914	1.7			
4 MO	0128	0.5	**19** TU	0038	0.3
	0826	2.4		0732	2.5
	1446	1.0		1345	1.0
	1950	1.7		1853	1.9
5 TU	0156	0.5	**20** WE	0119	0.2
	0853	2.5		0808	2.7
	1515	1.0		1424	0.8
	2019	1.7		1940	2.0
6 WE	0220	0.5	**21** TH	0200	0.0
	0917	2.5		0846	2.9
	1539	1.1		1504	0.7
	2042	1.8		2026	2.1
7 TH	0242	0.5	**22** FR	0241	0.0
	0938	2.6		0925	3.0
	1601	1.1		1544	0.7
	2101	1.8	○	2112	2.2
8 FR	0304	0.5	**23** SA	0323	0.0
	0958	2.6		1005	3.1
	1621	1.1		1626	0.7
●	2120	1.8		2158	2.2
9 SA	0328	0.5	**24** SU	0406	0.2
	1020	2.6		1046	3.0
	1644	1.2		1708	0.7
	2142	1.8		2245	2.1
10 SU	0353	0.6	**25** MO	0449	0.4
	1045	2.5		1128	2.8
	1712	1.2		1753	0.8
	2207	1.8		2335	2.0
11 MO	0421	0.7	**26** TU	0533	0.7
	1115	2.4		1209	2.5
	1746	1.2		1841	0.9
	2240	1.7			
12 TU	0453	0.8	**27** WE	0038	1.8
	1148	2.3		0623	1.1
	1830	1.2		1252	2.1
	2327	1.6		1941	1.0
13 WE	0530	1.0	**28** TH	0234	1.7
	1227	2.1		0749	1.4
	1930	1.1		1351	1.8
				2119	1.0
14 TH	0056	1.5	**29** FR	0524	1.8
	0628	1.2		1147	1.4
	1318	1.9		1608	1.6
	2048	1.0	◐	2317	1.0
15 FR	0333	1.5	**30** SA	0645	2.0
	0836	1.4		1322	1.2
	1435	1.8		1801	1.5
	2204	0.9			
			31 SU	0022	0.8
				0725	2.2
				1358	1.1
				1859	1.6

FEBRUARY

	Time	m		Time	m
1 MO	0100	0.7	**16** TU	0647	2.3
	0754	2.3		1312	1.0
	1423	1.0		1821	1.7
	1933	1.6			
2 TU	0128	0.6	**17** WE	0031	0.4
	0817	2.4		0721	2.6
	1443	0.9		1344	0.8
	1957	1.7		1905	1.9
3 WE	0148	0.6	**18** TH	0113	0.2
	0837	2.5		0755	2.8
	1500	0.9		1415	0.7
	2015	1.8		1945	2.0
4 TH	0205	0.5	**19** FR	0152	0.1
	0852	2.5		0828	2.9
	1514	0.9		1448	0.5
	2027	1.8		2024	2.2
5 FR	0222	0.5	**20** SA	0231	0.0
	0906	2.6		0903	3.0
	1526	1.0		1521	0.5
	2040	1.9		2103	2.3
6 SA	0241	0.5	**21** SU	0309	0.1
	0922	2.6		0937	3.0
	1540	1.0		1555	0.5
	2058	2.0	○	2142	2.4
7 SU	0304	0.4	**22** MO	0348	0.3
	0941	2.6		1011	2.8
	1600	1.0		1630	0.5
	2122	2.1		2223	2.3
8 MO	0331	0.5	**23** TU	0427	0.5
	1005	2.6		1044	2.6
	1625	0.9		1704	0.6
	2152	2.1		2306	2.2
9 TU	0401	0.6	**24** WE	0507	0.9
	1031	2.5		1113	2.3
	1655	0.9		1739	0.8
	2229	2.0		2356	2.0
10 WE	0435	0.8	**25** TH	0551	1.2
	1100	2.3		1135	1.9
	1732	0.9		1816	1.0
	2317	1.9			
11 TH	0514	1.0	**26** FR	0151	1.8
	1130	2.1		0739	1.6
	1819	0.9		1049	1.6
				1920	1.2
12 FR	0027	1.8	**27** SA	0547	1.9
	0608	1.2		1344	1.3
	1204	1.9		1733	1.4
	1929	1.0		2326	1.1
13 SA	0243	1.7	**28** SU	0638	2.1
	0821	1.4	◐	1337	1.1
	1300	1.7		1842	1.5
	2111	0.9			
14 SU	0503	1.9			
	1116	1.4			
	1542	1.5			
◑	2240	0.8			
15 MO	0607	2.1			
	1236	1.2			
	1721	1.6			
	2343	0.6			

MARCH

	Time	m		Time	m
1 MO	0021	1.0	**16** TU	0541	2.2
	0708	2.2		1233	1.0
	1350	0.9		1738	1.5
	1910	1.6	◑	2330	0.6
2 TU	0051	0.8	**17** WE	0624	2.4
	0731	2.3		1300	0.8
	1406	0.8		1826	1.7
	1930	1.7			
3 WE	0112	0.7	**18** TH	0019	0.4
	0750	2.4		0658	2.6
	1420	0.8		1327	0.6
	1944	1.7		1904	1.9
4 TH	0126	0.7	**19** FR	0100	0.3
	0804	2.4		0730	2.8
	1430	0.8		1354	0.5
	1954	1.8		1939	2.2
5 FR	0138	0.6	**20** SA	0138	0.2
	0815	2.5		0801	2.8
	1437	0.8		1422	0.4
	2002	1.9		2013	2.3
6 SA	0153	0.5	**21** SU	0215	0.2
	0826	2.5		0832	2.8
	1445	0.8		1451	0.3
	2014	2.0		2048	2.5
7 SU	0214	0.5	**22** MO	0253	0.3
	0840	2.6		0902	2.7
	1458	0.8		1521	0.3
	2035	2.2	○	2125	2.5
8 MO	0240	0.5	**23** TU	0331	0.5
	0900	2.6		0932	2.6
	1519	0.7		1551	0.4
	2103	2.3		2203	2.5
9 TU	0310	0.5	**24** WE	0410	0.8
	0923	2.6		0959	2.3
	1544	0.7		1620	0.6
	2137	2.3		2244	2.3
10 WE	0344	0.6	**25** TH	0451	1.1
	0950	2.5		1021	2.0
	1615	0.6		1648	0.8
	2219	2.3		2333	2.1
11 TH	0423	0.8	**26** FR	0544	1.4
	1019	2.3		1022	1.7
	1651	0.7		1713	1.0
	2308	2.2			
12 FR	0508	1.1	**27** SA	0126	1.9
	1049	2.1		1720	1.2
	1734	0.7			
13 SA	0017	2.0	**28** SU	0506	2.0
	0616	1.3		1321	1.1
	1119	1.8		1840	1.4
	1835	0.9		2257	1.3
14 SU	0218	1.9	**29** MO	0558	2.1
	0846	1.5		1312	1.0
	1154	1.5		1842	1.5
	2029	0.9		2353	1.1
15 MO	0432	2.0	**30** TU	0630	2.2
	1202	1.3		1324	0.9
	1607	1.4		1857	1.6
	2220	0.8	◐		
			31 WE	0021	1.0
				0653	2.2
				1337	0.8
				1911	1.6

APRIL

	Time	m		Time	m
1 TH	0038	0.9	**16** FR	0626	2.6
	0710	2.3		1259	0.5
	1348	0.8		1852	2.0
	1920	1.7			
2 FR	0049	0.8	**17** SA	0043	0.5
	0721	2.3		0659	2.6
	1353	0.8		1326	0.3
	1926	1.8		1927	2.2
3 SA	0103	0.7	**18** SU	0123	0.4
	0729	2.3		0729	2.6
	1354	0.8		1353	0.3
	1935	2.0		2001	2.4
4 SU	0123	0.6	**19** MO	0202	0.5
	0740	2.4		0759	2.5
	1402	0.7		1421	0.2
	1952	2.1		2036	2.5
5 MO	0148	0.6	**20** TU	0241	0.6
	0757	2.4		0828	2.4
	1419	0.6		1449	0.3
	2017	2.3		2113	2.6
6 TU	0219	0.6	**21** WE	0322	0.8
	0818	2.5		0856	2.2
	1442	0.5		1518	0.4
	2049	2.5	○	2153	2.5
7 WE	0254	0.7	**22** TH	0405	1.0
	0845	2.5		0923	2.0
	1511	0.4		1547	0.5
	2128	2.5		2236	2.4
8 TH	0333	0.8	**23** FR	0454	1.3
	0915	2.4		0944	1.8
	1545	0.4		1615	0.8
	2212	2.5		2326	2.2
9 FR	0419	0.9	**24** SA	0605	1.5
	0948	2.2		0937	1.6
	1623	0.5		1640	1.0
	2305	2.4			
10 SA	0515	1.1	**25** SU	0049	2.0
	1023	2.0		1649	1.2
	1708	0.6			
11 SU	0015	2.3	**26** MO	0341	2.0
	0639	1.3		1257	1.1
	1104	1.7			
	1809	0.8			
12 MO	0201	2.2	**27** TU	0451	2.1
	0908	1.3		1241	1.0
	1301	1.4		1822	1.4
	2000	0.9		2222	1.3
13 TU	0351	2.2	**28** WE	0532	2.1
	1121	1.1		1252	0.9
	1614	1.4		1833	1.5
	2153	0.8		2313	1.2
14 WE	0501	2.4	**29** TH	0559	2.1
	1202	0.8		1305	0.9
	1730	1.6		1844	1.6
◑	2306	0.7	◐	2339	1.1
15 TH	0548	2.5	**30** FR	0616	2.1
	1232	0.6		1311	0.8
	1816	1.8		1852	1.7
	2359	0.5			

55538

PAPUA NEW GUINEA - KEREMA BAY - OFFSHORE

LAT 8° 11´ S LONG 145° 30´ E

TIME ZONE -1000

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

YEAR 2027

MAY

	Time	m		Time	m
1 SA	0001	1.0	**16** SU	0028	0.7
	0627	2.1		0626	2.3
	1308	0.8		1258	0.3
	1859	1.8		1918	2.3
2 SU	0027	0.9	**17** MO	0115	0.7
	0638	2.2		0659	2.2
	1310	0.7		1327	0.3
	1913	2.0		1956	2.4
3 MO	0056	0.8	**18** TU	0159	0.8
	0653	2.2		0731	2.2
	1324	0.6		1357	0.3
	1936	2.2		2034	2.5
4 TU	0129	0.8	**19** WE	0243	0.9
	0715	2.3		0803	2.1
	1346	0.4		1427	0.3
	2006	2.4		2113	2.6
5 WE	0206	0.8	**20** TH ○	0327	1.0
	0742	2.3		0836	2.0
	1414	0.3		1458	0.4
	2041	2.6		2153	2.5
6 TH ●	0246	0.8	**21** FR	0413	1.2
	0814	2.3		0909	1.8
	1447	0.2		1530	0.6
	2123	2.7		2234	2.5
7 FR	0331	0.9	**22** SA	0502	1.3
	0850	2.3		0941	1.7
	1525	0.2		1600	0.7
	2210	2.7		2316	2.4
8 SA	0423	1.0	**23** SU	0600	1.4
	0931	2.1		1007	1.6
	1608	0.3		1628	0.9
	2305	2.6			
9 SU	0525	1.1	**24** MO	0002	2.2
	1020	1.9		1654	1.0
	1657	0.5			
10 MO	0012	2.5	**25** TU	0100	2.1
	0648	1.2		1714	1.1
	1127	1.6			
	1801	0.7			
11 TU	0136	2.4	**26** WE	0224	2.0
	0842	1.2		1229	1.2
	1333	1.4			
	1933	0.8			
12 WE	0305	2.4	**27** TH	0340	2.0
	1021	1.0		1223	1.1
	1547	1.5		1805	1.3
	2115	0.9		2021	1.3
13 TH ◑	0414	2.4	**28** FR ◐	0426	2.0
	1116	0.8		1227	1.0
	1705	1.7		1815	1.5
	2235	0.8		2201	1.3
14 FR	0507	2.4	**29** SA	0457	1.9
	1155	0.6		1221	0.9
	1758	1.9		1825	1.6
	2337	0.8		2308	1.2
15 SA	0549	2.4	**30** SU	0521	1.9
	1228	0.4		1217	0.8
	1840	2.1		1839	1.8
				2358	1.1
			31 MO	0546	2.0
				1229	0.6
				1900	2.0

JUNE

	Time	m		Time	m
1 TU	0041	1.1	**16** WE	0215	1.0
	0612	2.0		0726	1.8
	1252	0.5		1347	0.4
	1928	2.3		2041	2.5
2 WE	0121	1.0	**17** TH	0257	1.0
	0642	2.1		0804	1.8
	1321	0.3		1419	0.4
	2001	2.5		2116	2.6
3 TH	0203	1.0	**18** FR	0336	1.0
	0717	2.1		0841	1.8
	1355	0.2		1450	0.4
	2038	2.7		2149	2.6
4 FR	0246	0.9	**19** SA ○	0413	1.1
	0757	2.2		0913	1.8
	1434	0.1		1520	0.5
	2121	2.8		2220	2.6
5 SA ●	0334	0.9	**20** SU	0447	1.2
	0842	2.1		0942	1.7
	1516	0.1		1546	0.6
	2208	2.8		2249	2.5
6 SU	0426	1.0	**21** MO	0521	1.2
	0933	2.0		1006	1.7
	1602	0.2		1611	0.7
	2300	2.8		2317	2.4
7 MO	0524	1.0	**22** TU	0556	1.3
	1031	1.9		1027	1.6
	1652	0.4		1635	0.8
	2357	2.7		2346	2.3
8 TU	0632	1.0	**23** WE	0636	1.3
	1140	1.7		1043	1.5
	1750	0.6		1657	0.9
9 WE	0103	2.6	**24** TH	0019	2.2
	0752	1.0		0728	1.4
	1312	1.6		1052	1.4
	1901	0.8		1720	1.1
10 TH	0213	2.5	**25** FR	0101	2.0
	0915	0.9		0844	1.3
	1503	1.6		1247	1.3
	2030	1.0		1749	1.2
11 FR ◑	0321	2.3	**26** SA	0159	1.9
	1023	0.8		1008	1.2
	1635	1.7		1724	1.4
	2202	1.0		2024	1.4
12 SA	0422	2.2	**27** SU ◐	0310	1.8
	1116	0.6		1050	1.0
	1744	1.9		1801	1.6
	2323	1.0		2226	1.4
13 SU	0515	2.1	**28** MO	0413	1.8
	1200	0.5		1123	0.8
	1838	2.1		1827	1.8
				2349	1.3
14 MO	0031	1.0	**29** TU	0503	1.8
	0602	2.0		1156	0.6
	1238	0.4		1854	2.1
	1923	2.3			
15 TU	0128	1.0	**30** WE	0043	1.2
	0645	1.9		0546	1.8
	1313	0.4		1231	0.4
	2003	2.4		1925	2.3

JULY

	Time	m		Time	m
1 TH	0126	1.1	**16** FR	0302	0.9
	0628	1.9		0815	1.8
	1308	0.3		1415	0.4
	1958	2.5		2107	2.6
2 FR	0206	1.0	**17** SA	0329	0.9
	0712	2.0		0842	1.8
	1346	0.1		1440	0.5
	2035	2.8		2130	2.6
3 SA	0248	0.9	**18** SU	0352	1.0
	0758	2.1		0904	1.8
	1427	0.0		1502	0.5
	2115	2.9		2151	2.6
4 SU ●	0332	0.8	**19** MO ○	0413	1.0
	0847	2.1		0923	1.9
	1510	0.0		1524	0.5
	2158	3.0		2211	2.6
5 MO	0418	0.8	**20** TU	0434	1.1
	0938	2.1		0942	1.9
	1555	0.1		1546	0.6
	2244	3.0		2231	2.5
6 TU	0507	0.8	**21** WE	0456	1.1
	1031	2.0		1003	1.8
	1641	0.3		1609	0.7
	2331	2.9		2254	2.4
7 WE	0559	0.8	**22** TH	0523	1.2
	1128	1.9		1027	1.8
	1731	0.5		1633	0.8
				2319	2.3
8 TH	0022	2.7	**23** FR	0555	1.2
	0658	0.9		1059	1.7
	1236	1.8		1700	1.0
	1828	0.8		2345	2.1
9 FR	0117	2.4	**24** SA	0639	1.2
	0805	0.9		1153	1.6
	1412	1.7		1730	1.2
	1944	1.1			
10 SA	0221	2.1	**25** SU	0014	1.9
	0922	0.9		0746	1.1
	1610	1.7		1419	1.5
	2140	1.3		1847	1.4
11 SU ◑	0337	1.9	**26** MO	0058	1.7
	1040	0.8		0918	1.0
	1748	1.9		1730	1.7
	2346	1.3		2214	1.5
12 MO	0458	1.7	**27** TU ◐	0306	1.6
	1145	0.7		1037	0.9
	1851	2.1		1816	1.9
13 TU	0107	1.1	**28** WE	0013	1.4
	0608	1.7		0443	1.6
	1235	0.6		1134	0.6
	1935	2.3		1848	2.2
14 WE	0156	1.0	**29** TH	0057	1.2
	0702	1.7		0547	1.7
	1314	0.5		1219	0.4
	2010	2.4		1918	2.4
15 TH	0232	1.0	**30** FR	0132	1.0
	0743	1.7		0636	1.8
	1347	0.5		1300	0.3
	2040	2.5		1951	2.6
			31 SA	0206	0.9
				0721	2.0
				1340	0.1
				2025	2.8

AUGUST

	Time	m		Time	m
1 SU	0241	0.7	**16** MO	0317	0.9
	0805	2.1		0841	1.9
	1420	0.0		1436	0.5
	2101	3.0		2112	2.6
2 MO ●	0319	0.6	**17** TU ○	0331	0.9
	0848	2.2		0856	2.0
	1501	0.0		1456	0.5
	2139	3.0		2128	2.6
3 TU	0357	0.6	**18** WE	0347	0.9
	0933	2.3		0914	2.1
	1542	0.1		1519	0.6
	2218	3.0		2146	2.5
4 WE	0438	0.6	**19** TH	0407	0.9
	1018	2.3		0939	2.1
	1624	0.3		1545	0.7
	2257	2.8		2207	2.5
5 TH	0519	0.6	**20** FR	0431	0.9
	1106	2.2		1009	2.1
	1708	0.6		1614	0.8
	2337	2.6		2230	2.3
6 FR	0604	0.7	**21** SA	0459	0.9
	1201	2.0		1048	2.0
	1757	0.9		1646	1.0
				2253	2.1
7 SA	0018	2.2	**22** SU	0535	0.9
	0654	0.9		1142	1.8
	1323	1.8		1727	1.2
	1906	1.3		2314	1.9
8 SU	0106	1.9	**23** MO	0627	1.0
	0808	1.0		1329	1.7
	1606	1.8		1903	1.5
	2226	1.4		2332	1.7
9 MO ◑	0303	1.6	**24** TU	0807	1.0
	1015	1.0		1633	1.8
	1806	2.0			
10 TU	0056	1.2	**25** WE ◐	1002	0.9
	0529	1.5		1750	2.0
	1149	0.9			
	1858	2.2			
11 WE	0137	1.0	**26** TH	0040	1.3
	0640	1.6		0457	1.5
	1239	0.7		1117	0.7
	1933	2.4		1829	2.3
12 TH	0204	0.9	**27** FR	0100	1.1
	0719	1.7		0602	1.6
	1313	0.6		1209	0.5
	2000	2.4		1901	2.5
13 FR	0227	0.8	**28** SA	0125	0.9
	0748	1.7		0646	1.8
	1339	0.5		1251	0.3
	2022	2.5		1933	2.7
14 SA	0246	0.8	**29** SU	0153	0.7
	0810	1.8		0724	2.0
	1400	0.5		1330	0.1
	2042	2.5		2004	2.8
15 SU	0303	0.8	**30** MO	0224	0.5
	0827	1.9		0802	2.2
	1418	0.5		1408	0.1
	2058	2.6		2037	3.0
			31 TU	0256	0.4
				0840	2.4
				1447	0.1
				2111	3.0

55538

PAPUA NEW GUINEA - KEREMA BAY - OFFSHORE

LAT 8° 11´ S LONG 145° 30´ E

TIME ZONE -1000

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

YEAR 2027

SEPTEMBER

	Time	m		Time	m
1 WE ●	0329	0.4	**16** TH ○	0303	0.7
	0919	2.5		0851	2.3
	1526	0.2		1455	0.6
	2145	2.9		2102	2.5
2 TH	0403	0.4	**17** FR	0324	0.7
	1000	2.5		0921	2.3
	1606	0.4		1526	0.7
	2219	2.7		2125	2.4
3 FR	0438	0.5	**18** SA	0350	0.6
	1044	2.4		0958	2.3
	1649	0.8		1602	0.9
	2251	2.4		2150	2.3
4 SA	0514	0.7	**19** SU	0421	0.6
	1133	2.2		1042	2.2
	1737	1.1		1644	1.1
	2320	2.0		2216	2.1
5 SU	0552	0.9	**20** MO	0458	0.7
	1249	1.9		1140	2.1
	1900	1.5		1742	1.3
	2336	1.6		2241	1.9
6 MO	0643	1.1	**21** TU	0546	0.8
	1615	1.9		1316	1.9
				1942	1.5
				2302	1.6
7 TU	0119	1.3	**22** WE	0719	0.9
	0404	1.4		1541	2.0
	1004	1.2			
	1755	2.1			
8 WE ◑	0108	1.1	**23** TH ◐	0027	1.3
	0610	1.5		0259	1.4
	1146	1.0		0931	0.9
	1838	2.3		1708	2.2
9 TH	0126	0.9	**24** FR	0016	1.1
	0649	1.6		0507	1.5
	1229	0.8		1056	0.7
	1908	2.3		1756	2.3
10 FR	0145	0.8	**25** SA	0038	0.9
	0715	1.7		0603	1.7
	1258	0.7		1152	0.5
	1932	2.4		1832	2.5
11 SA	0203	0.7	**26** SU	0104	0.7
	0735	1.8		0642	1.9
	1318	0.7		1236	0.4
	1951	2.4		1905	2.7
12 SU	0218	0.7	**27** MO	0130	0.5
	0751	1.8		0717	2.1
	1334	0.6		1315	0.3
	2005	2.4		1936	2.8
13 MO	0228	0.8	**28** TU	0158	0.3
	0802	1.9		0752	2.3
	1349	0.6		1353	0.2
	2016	2.5		2007	2.8
14 TU	0237	0.8	**29** WE	0227	0.2
	0813	2.0		0827	2.5
	1406	0.6		1432	0.3
	2027	2.5		2038	2.7
15 WE	0247	0.8	**30** TH ●	0258	0.2
	0829	2.1		0905	2.6
	1429	0.6		1511	0.4
	2042	2.5		2109	2.6

OCTOBER

	Time	m		Time	m
1 FR	0329	0.3	**16** SA	0250	0.4
	0945	2.6		0911	2.5
	1554	0.7		1516	0.9
	2141	2.4		2049	2.3
2 SA	0401	0.4	**17** SU	0321	0.4
	1028	2.5		0952	2.5
	1640	1.0		1559	1.0
	2210	2.1		2120	2.2
3 SU	0433	0.6	**18** MO	0357	0.4
	1119	2.3		1041	2.5
	1737	1.3		1651	1.1
	2234	1.8		2155	2.0
4 MO	0507	0.8	**19** TU	0439	0.5
	1238	2.1		1142	2.3
				1802	1.3
				2234	1.8
5 TU	0546	1.1	**20** WE	0532	0.7
	1542	2.0		1307	2.2
				1955	1.4
				2338	1.5
6 WE	0042	1.2	**21** TH	0658	0.9
	0456	1.3		1455	2.2
	0851	1.3		2224	1.2
	1711	2.1			
7 TH ◑	0039	1.0	**22** FR	0306	1.4
	0605	1.5		0857	0.9
	1112	1.2		1618	2.3
	1757	2.2		2327	0.9
8 FR	0057	0.9	**23** SA ◐	0452	1.5
	0634	1.6		1026	0.8
	1158	1.0		1714	2.4
	1829	2.3			
9 SA	0116	0.8	**24** SU	0003	0.7
	0657	1.7		0548	1.7
	1226	0.9		1127	0.7
	1852	2.3		1755	2.5
10 SU	0133	0.7	**25** MO	0033	0.5
	0714	1.7		0629	2.0
	1245	0.9		1216	0.6
	1909	2.3		1831	2.5
11 MO	0144	0.7	**26** TU	0101	0.4
	0727	1.8		0705	2.2
	1300	0.8		1259	0.5
	1920	2.3		1903	2.5
12 TU	0149	0.7	**27** WE	0130	0.2
	0736	1.9		0741	2.4
	1317	0.8		1341	0.5
	1928	2.3		1935	2.5
13 WE	0154	0.7	**28** TH	0159	0.2
	0749	2.1		0818	2.5
	1339	0.8		1423	0.6
	1941	2.3		2007	2.4
14 TH	0206	0.6	**29** FR ●	0229	0.2
	0809	2.2		0856	2.6
	1407	0.7		1506	0.7
	1959	2.3		2039	2.3
15 FR ○	0225	0.5	**30** SA	0301	0.3
	0836	2.4		0938	2.6
	1439	0.8		1552	0.9
	2022	2.3		2112	2.1
			31 SU	0334	0.4
				1024	2.5
				1644	1.2
				2146	1.9

NOVEMBER

	Time	m		Time	m
1 MO	0409	0.6	**16** TU	0345	0.3
	1116	2.4		1040	2.7
	1750	1.3		1658	1.1
	2220	1.6		2155	2.0
2 TU	0445	0.8	**17** WE	0432	0.4
	1225	2.2		1138	2.6
	2112	1.4		1807	1.2
	2246	1.4		2254	1.8
3 WE	0524	1.1	**18** TH	0527	0.6
	1422	2.1		1249	2.5
	2335	1.2		1936	1.2
4 TH	0345	1.3	**19** FR	0025	1.5
	0623	1.2		0641	0.8
	1559	2.1		1410	2.4
				2116	1.0
5 FR	0000	1.1	**20** SA	0238	1.5
	0533	1.4		0818	0.9
	0910	1.3		1526	2.4
	1656	2.1		2231	0.8
6 SA ◑	0025	0.9	**21** SU ◐	0420	1.6
	0612	1.5		0948	0.9
	1050	1.3		1627	2.4
	1735	2.1		2320	0.7
7 SU	0047	0.9	**22** MO	0526	1.8
	0637	1.6		1101	0.9
	1133	1.2		1716	2.3
	1801	2.1		2359	0.5
8 MO	0101	0.8	**23** TU	0615	2.0
	0654	1.7		1200	0.8
	1200	1.1		1757	2.3
	1817	2.0			
9 TU	0106	0.8	**24** WE	0033	0.4
	0706	1.8		0658	2.2
	1224	1.1		1253	0.8
	1827	2.0		1835	2.2
10 WE	0106	0.7	**25** TH	0105	0.3
	0717	1.9		0738	2.4
	1250	1.0		1341	0.8
	1839	2.1		1911	2.1
11 TH	0113	0.6	**26** FR	0138	0.2
	0733	2.1		0817	2.5
	1321	1.0		1428	0.9
	1857	2.1		1948	2.1
12 FR	0131	0.5	**27** SA	0211	0.2
	0757	2.3		0858	2.6
	1355	0.9		1514	0.9
	1922	2.2		2026	2.0
13 SA	0156	0.4	**28** SU ●	0247	0.3
	0829	2.5		0940	2.7
	1432	0.9		1600	1.0
	1952	2.2		2106	1.9
14 SU ○	0227	0.3	**29** MO	0322	0.4
	0907	2.6		1022	2.6
	1515	1.0		1649	1.1
	2027	2.2		2147	1.8
15 MO	0304	0.2	**30** TU	0358	0.6
	0950	2.7		1106	2.5
	1602	1.0		1742	1.2
	2108	2.1		2226	1.6

DECEMBER

	Time	m		Time	m
1 WE	0431	0.8	**16** TH	0427	0.3
	1151	2.4		1124	2.8
	1849	1.3		1752	1.0
	2305	1.5		2305	1.9
2 TH	0503	0.9	**17** FR	0518	0.5
	1240	2.2		1221	2.7
	2119	1.3		1859	1.0
	2348	1.4			
3 FR	0532	1.1	**18** SA	0018	1.7
	1339	2.1		0619	0.7
	2312	1.2		1324	2.5
				2015	0.9
4 SA	0336	1.3	**19** SU	0155	1.6
	0600	1.2		0736	0.9
	1451	2.0		1431	2.3
	2357	1.1		2130	0.8
5 SU	0605	1.3	**20** MO ◐	0342	1.7
	0715	1.3		0910	1.0
	1555	1.9		1537	2.2
				2234	0.7
6 MO ◑	0018	1.0	**21** TU	0507	1.8
	0630	1.5		1043	1.1
	0924	1.4		1638	2.0
	1637	1.9		2327	0.6
7 TU	0026	1.0	**22** WE	0611	2.0
	0644	1.6		1204	1.1
	1059	1.3		1734	1.9
	1706	1.8			
8 WE	0020	0.9	**23** TH	0012	0.5
	0654	1.7		0702	2.2
	1158	1.3		1308	1.0
	1731	1.8		1824	1.9
9 TH	0023	0.7	**24** FR	0053	0.4
	0707	1.9		0745	2.4
	1239	1.2		1359	1.0
	1757	1.9		1911	1.8
10 FR	0040	0.6	**25** SA	0131	0.3
	0726	2.2		0824	2.5
	1316	1.1		1442	1.0
	1826	1.9		1954	1.8
11 SA	0107	0.4	**26** SU	0207	0.3
	0753	2.4		0901	2.6
	1353	1.1		1521	1.0
	1859	2.0		2034	1.9
12 SU	0139	0.3	**27** MO	0241	0.3
	0825	2.6		0936	2.7
	1433	1.0		1558	1.0
	1938	2.1		2110	1.9
13 MO	0215	0.2	**28** TU ●	0314	0.4
	0903	2.7		1009	2.7
	1515	1.0		1633	1.0
	2021	2.1		2143	1.8
14 TU ○	0256	0.1	**29** WE	0343	0.5
	0946	2.8		1039	2.6
	1602	1.0		1707	1.1
	2110	2.1		2211	1.8
15 WE	0339	0.2	**30** TH	0410	0.7
	1033	2.9		1107	2.5
	1654	1.0		1740	1.2
	2204	2.0		2235	1.7
			31 FR	0433	0.8
				1132	2.4
				1814	1.3
				2256	1.6

55538

PAPUA NEW GUINEA - REDSCAR HEAD

LAT 9° 15´ S LONG 146° 54´ E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -1000 YEAR 2027

JANUARY

	Time	m		Time	m		Time	m		Time	m
1 FR	1149	1.4	**16** SA ◑	0518	1.8	**1** MO	0038	0.8	**16** TU	0631	2.4
	1657	1.8		1039	1.5		0739	2.4		1306	1.1
	2354	0.8		1558	1.8		1411	1.1		1804	1.7
				2302	0.9		1917	1.7			
2 SA	0704	2.1	**17** SU	0602	2.1	**2** TU	0109	0.8	**17** WE	0013	0.6
	1311	1.3		1200	1.3		0802	2.5		0707	2.6
	1802	1.7		1659	1.8		1430	1.0		1334	1.0
				2341	0.7		1943	1.8		1846	1.8
3 SU	0034	0.7	**18** MO	0639	2.3	**3** WE	0133	0.7	**18** TH	0054	0.3
	0743	2.3		1252	1.2		0824	2.6		0741	2.8
	1402	1.2		1751	1.8		1447	1.0		1402	0.8
	1854	1.7					2003	1.8		1923	2.0
4 MO	0108	0.7	**19** TU	0019	0.5	**4** TH	0154	0.6	**19** FR	0132	0.1
	0814	2.4		0715	2.5		0845	2.6		0814	2.9
	1438	1.1		1334	1.1		1504	1.0		1432	0.7
	1934	1.7		1838	1.9		2022	1.9		2001	2.2
5 TU	0137	0.6	**20** WE	0058	0.3	**5** FR	0214	0.6	**20** SA	0210	0.0
	0841	2.5		0753	2.7		0905	2.6		0848	3.0
	1507	1.1		1413	0.9		1521	1.1		1503	0.6
	2007	1.7		1923	2.0		2039	1.9		2039	2.3
6 WE	0203	0.6	**21** TH	0140	0.1	**6** SA	0234	0.6	**21** SU ○	0248	0.0
	0907	2.6		0832	2.9		0925	2.6		0921	3.0
	1532	1.1		1452	0.8		1540	1.1		1536	0.5
	2034	1.8		2008	2.1		2057	2.0		2119	2.4
7 TH	0228	0.6	**22** FR ○	0223	0.0	**7** SU ●	0256	0.6	**22** MO	0326	0.2
	0932	2.6		0912	3.0		0946	2.6		0955	2.8
	1555	1.1		1531	0.7		1602	1.1		1610	0.5
	2057	1.8		2052	2.1		2117	2.0		2200	2.3
8 FR ●	0252	0.6	**23** SA	0306	0.0	**8** MO	0320	0.7	**23** TU	0405	0.4
	0957	2.5		0953	3.0		1008	2.5		1027	2.6
	1618	1.2		1612	0.7		1629	1.1		1644	0.6
	2115	1.8		2137	2.2		2144	1.9		2244	2.2
9 SA	0315	0.7	**24** SU	0349	0.1	**9** TU	0348	0.8	**24** WE	0444	0.8
	1022	2.5		1034	3.0		1032	2.4		1058	2.3
	1643	1.3		1654	0.7		1700	1.1		1719	0.8
	2131	1.8		2223	2.1		2218	1.9		2335	2.0
10 SU	0338	0.7	**25** MO	0432	0.3	**10** WE	0420	0.9	**25** TH	0528	1.2
	1047	2.4		1114	2.8		1059	2.3		1123	2.0
	1713	1.3		1738	0.8		1737	1.1		1757	1.0
	2148	1.8		2311	2.0		2305	1.8			
11 MO	0403	0.8	**26** TU	0516	0.6	**11** TH	0458	1.1	**26** FR	0101	1.8
	1115	2.4		1154	2.5		1128	2.1		0655	1.5
	1752	1.4		1824	0.9		1822	1.2		1125	1.7
	2213	1.7								1850	1.2
12 TU	0429	0.9	**27** WE	0008	1.9	**12** FR	0016	1.7	**27** SA	0514	1.9
	1147	2.3		0602	1.0		0553	1.3		1340	1.4
	1844	1.4		1234	2.2		1201	1.9		1636	1.4
	2255	1.6		1919	1.0		1925	1.2		2232	1.2
13 WE	0501	1.1	**28** TH	0140	1.7	**13** SA	0242	1.7	**28** SU ◐	0614	2.1
	1228	2.1		0710	1.3		0808	1.5		1318	1.2
	1958	1.3		1321	1.9		1251	1.7		1824	1.5
				2042	1.1		2058	1.1		2350	1.1
14 TH	0039	1.5	**29** FR ◐	0456	1.8	**14** SU ◑	0448	1.9			
	0552	1.3		1046	1.5		1126	1.5			
	1324	2.0		1501	1.6		1529	1.6			
	2121	1.2		2242	1.0		2226	1.0			
15 FR	0359	1.6	**30** SA	0630	2.0	**15** MO	0550	2.2			
	0816	1.5		1307	1.3		1232	1.3			
	1442	1.9		1731	1.6		1709	1.6			
	2219	1.1		2356	0.9		2326	0.8			
			31 SU	0710	2.3						
				1346	1.2						
				1841	1.6						

FEBRUARY

	Time	m		Time	m		Time	m		Time	m
1 MO	0647	2.3	**16** TU ◑	0531	2.3	**1** TH	0021	1.0	**16** FR	0614	2.6
	1332	1.0		1236	1.1		0657	2.4		1246	0.7
	1853	1.7		1730	1.5		1329	0.9		1828	2.0
				2316	0.8		1905	1.8			
2 TU	0027	1.0	**17** WE	0614	2.5	**2** FR	0041	0.9	**17** SA	0021	0.5
	0712	2.4		1256	1.0		0715	2.4		0643	2.6
	1347	1.0		1810	1.7		1341	0.9		1307	0.6
	1912	1.8					1920	1.9		1901	2.2
3 WE	0053	0.9	**18** TH	0003	0.6	**3** SA	0101	0.8	**18** SU	0057	0.5
	0735	2.5		0647	2.6		0732	2.4		0710	2.6
	1402	0.9		1316	0.8		1353	0.9		1330	0.4
	1929	1.8		1842	1.9		1938	2.0		1935	2.3
4 TH	0113	0.8	**19** FR	0041	0.4	**4** SU	0122	0.8	**19** MO	0133	0.5
	0754	2.5		0717	2.8		0748	2.5		0737	2.5
	1416	0.9		1338	0.7		1407	0.8		1354	0.3
	1944	1.9		1914	2.1		1959	2.1		2013	2.4
5 FR	0131	0.7	**20** SA	0116	0.2	**5** MO	0148	0.7	**20** TU	0212	0.7
	0812	2.5		0745	2.8		0806	2.5		0805	2.4
	1429	1.0		1402	0.5		1425	0.7		1420	0.3
	2000	2.0		1947	2.3		2025	2.2		2052	2.5
6 SA	0150	0.6	**21** SU	0151	0.2	**6** TU	0217	0.7	**21** WE ○	0254	0.8
	0830	2.5		0814	2.8		0827	2.5		0835	2.2
	1444	0.9		1428	0.4		1446	0.6		1449	0.4
	2018	2.0		2023	2.4		2055	2.3		2135	2.5
7 SU	0211	0.6	**22** MO ○	0227	0.3	**7** WE ●	0251	0.8	**22** TH	0341	1.0
	0848	2.6		0843	2.7		0850	2.4		0904	2.0
	1502	0.9		1456	0.4		1511	0.6		1519	0.5
	2039	2.1		2101	2.5		2130	2.4		2221	2.4
8 MO ●	0235	0.6	**23** TU	0304	0.4	**8** TH	0330	0.9	**23** FR	0436	1.2
	0907	2.5		0913	2.6		0917	2.3		0932	1.8
	1524	0.9		1526	0.4		1540	0.6		1548	0.7
	2106	2.1		2142	2.4		2210	2.4		2313	2.3
9 TU	0304	0.7	**24** WE	0343	0.7	**9** FR	0416	1.0	**24** SA	0555	1.4
	0929	2.5		0941	2.3		0946	2.1		0948	1.6
	1548	0.9		1556	0.5		1612	0.6		1615	0.9
	2138	2.2		2226	2.3		2258	2.4			
10 WE	0337	0.8	**25** TH	0427	1.1	**10** SA	0513	1.2	**25** SU	0024	2.1
	0952	2.4		1006	2.1		1016	1.9		1632	1.1
	1617	0.8		1625	0.7		1649	0.8			
	2216	2.2		2318	2.1						
11 TH	0415	1.0	**26** FR	0525	1.4	**11** SU	0004	2.3	**26** MO	0234	2.1
	1018	2.3		1020	1.8		0642	1.4		1240	1.2
	1648	0.9		1651	0.9		1047	1.6			
	2302	2.1					1742	0.9			
12 FR	0502	1.2	**27** SA	0043	2.0	**12** MO	0150	2.2	**27** TU	0420	2.1
	1044	2.0		1705	1.2		1000	1.4		1222	1.2
	1723	0.9					1131	1.4		1801	1.5
							1932	1.0		2137	1.4
13 SA	0006	2.0	**28** SU	0422	2.0	**13** TU	0346	2.3	**28** WE	0512	2.2
	0611	1.4		1303	1.2		1136	1.2		1235	1.1
	1109	1.8		1830	1.4		1613	1.4		1813	1.6
	1810	1.0		2134	1.4		2140	1.0		2252	1.3
14 SU	0204	2.0	**29** MO	0529	2.2	**14** WE ◑	0456	2.4	**29** TH ◐	0546	2.2
	0911	1.5		1250	1.1		1202	1.0		1247	1.0
	1122	1.5		1822	1.5		1717	1.6		1828	1.7
	1952	1.1		2316	1.2		2253	0.8		2331	1.2
15 MO	0421	2.1	**30** TU ◐	0607	2.3	**15** TH	0540	2.5	**30** FR	0609	2.3
	1224	1.3		1302	1.0		1225	0.8		1256	1.0
	1607	1.4		1837	1.7		1756	1.8		1843	1.8
	2204	1.0		2356	1.1		2341	0.6			
			31 WE	0635	2.3						
				1316	1.0						
				1851	1.8						

MARCH

APRIL

55574

PAPUA NEW GUINEA - REDSCAR HEAD

LAT 9° 15´ S LONG 146° 54´ E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -1000 YEAR 2027

MAY

	Time	m		Time	m
1 SA	0000	1.1	**16** SU	0002	0.8
	0628	2.3		0605	2.3
	1305	0.9		1237	0.5
	1859	1.9		1856	2.2
2 SU	0027	1.0	**17** MO	0048	0.9
	0645	2.3		0635	2.2
	1316	0.8		1301	0.4
	1919	2.0		1935	2.3
3 MO	0057	1.0	**18** TU	0133	0.9
	0704	2.3		0706	2.1
	1330	0.7		1328	0.4
	1943	2.2		2015	2.4
4 TU	0129	0.9	**19** WE	0219	1.0
	0725	2.3		0740	2.0
	1349	0.5		1357	0.4
	2011	2.4		2056	2.5
5 WE	0204	0.9	**20** TH ○	0308	1.1
	0749	2.3		0816	1.9
	1412	0.4		1429	0.4
	2043	2.5		2137	2.5
6 TH ●	0244	0.9	**21** FR	0358	1.2
	0818	2.3		0853	1.8
	1440	0.4		1502	0.6
	2120	2.6		2220	2.5
7 FR	0328	0.9	**22** SA	0452	1.3
	0851	2.2		0930	1.7
	1513	0.4		1535	0.7
	2204	2.7		2304	2.4
8 SA	0420	1.0	**23** SU	0552	1.4
	0927	2.0		1001	1.6
	1552	0.5		1606	0.9
	2257	2.6		2352	2.3
9 SU	0525	1.2	**24** MO	0723	1.4
	1010	1.8		1013	1.5
	1641	0.6		1634	1.0
10 MO	0004	2.5	**25** TU	0050	2.2
	0655	1.3		1655	1.2
	1107	1.6			
	1746	0.8			
11 TU	0131	2.4	**26** WE	0210	2.1
	0857	1.2		1252	1.3
	1310	1.4			
	1920	0.9			
12 WE	0300	2.4	**27** TH	0333	2.1
	1024	1.1		1221	1.2
	1530	1.5		1808	1.4
	2100	0.9		2003	1.4
13 TH ◑	0407	2.4	**28** FR ◐	0428	2.1
	1112	0.9		1217	1.1
	1644	1.6		1813	1.6
	2215	0.9		2208	1.4
14 FR	0455	2.5	**29** SA	0503	2.1
	1145	0.8		1218	1.0
	1735	1.8		1825	1.7
	2313	0.8		2313	1.3
15 SA	0533	2.4	**30** SU	0530	2.1
	1212	0.6		1225	0.9
	1817	2.0		1841	1.9
				2359	1.3
			31 MO	0555	2.1
				1236	0.8
				1902	2.1

JUNE

	Time	m		Time	m
1 TU	0039	1.2	**16** WE	0201	1.1
	0621	2.1		0702	1.8
	1254	0.6		1320	0.5
	1927	2.3		2026	2.5
2 WE	0118	1.1	**17** TH	0246	1.1
	0649	2.1		0744	1.8
	1317	0.4		1353	0.5
	1957	2.5		2101	2.6
3 TH	0158	1.0	**18** FR	0326	1.1
	0721	2.1		0824	1.8
	1345	0.3		1426	0.5
	2032	2.7		2136	2.6
4 FR	0241	1.0	**19** SA ○	0403	1.1
	0757	2.1		0900	1.8
	1420	0.2		1458	0.6
	2113	2.8		2209	2.6
5 SA ●	0329	1.0	**20** SU	0438	1.2
	0838	2.0		0931	1.7
	1500	0.2		1527	0.7
	2200	2.8		2242	2.5
6 SU	0422	1.0	**21** MO	0513	1.3
	0925	1.9		0955	1.7
	1547	0.3		1554	0.8
	2252	2.8		2314	2.4
7 MO	0523	1.1	**22** TU	0551	1.4
	1018	1.8		1009	1.6
	1641	0.4		1616	0.9
	2352	2.7		2346	2.3
8 TU	0633	1.1	**23** WE	0639	1.4
	1122	1.7		1011	1.6
	1741	0.6		1635	1.0
9 WE	0057	2.6	**24** TH	0022	2.2
	0752	1.1		0808	1.5
	1246	1.6		0949	1.5
	1851	0.7		1646	1.2
10 TH	0205	2.5	**25** FR	0109	2.1
	0909	1.0		1634	1.3
	1432	1.6			
	2010	0.9			
11 FR ◑	0308	2.4	**26** SA	0217	2.0
	1012	0.9		1118	1.3
	1607	1.7		1824	1.5
	2134	1.0		1956	1.5
12 SA	0402	2.3	**27** SU ◐	0330	2.0
	1101	0.8		1121	1.1
	1722	1.8		1805	1.7
	2254	1.1		2233	1.5
13 SU	0451	2.1	**28** MO	0425	1.9
	1141	0.7		1136	1.0
	1821	2.0		1821	1.9
				2347	1.4
14 MO	0007	1.2	**29** TU	0509	1.9
	0535	2.0		1157	0.8
	1216	0.6		1844	2.2
	1908	2.2			
15 TU	0109	1.2	**30** WE	0036	1.3
	0618	1.9		0548	1.9
	1248	0.5		1223	0.6
	1949	2.4		1913	2.4

JULY

	Time	m		Time	m
1 TH	0117	1.1	**16** FR	0252	1.0
	0627	1.9		0759	1.8
	1254	0.4		1356	0.5
	1946	2.6		2053	2.6
2 FR	0158	1.0	**17** SA	0318	1.0
	0707	2.0		0828	1.8
	1330	0.3		1423	0.5
	2024	2.8		2120	2.6
3 SA	0240	0.9	**18** SU	0342	1.0
	0750	2.0		0853	1.9
	1411	0.2		1448	0.6
	2105	2.9		2145	2.6
4 SU ●	0324	0.9	**19** MO ○	0405	1.1
	0836	2.1		0915	1.9
	1455	0.1		1511	0.6
	2150	3.0		2209	2.5
5 MO	0411	0.9	**20** TU	0429	1.2
	0924	2.0		0933	1.8
	1542	0.1		1532	0.7
	2236	2.9		2232	2.5
6 TU	0500	0.9	**21** WE	0454	1.3
	1014	2.0		0949	1.8
	1630	0.2		1552	0.8
	2324	2.9		2254	2.4
7 WE	0553	0.9	**22** TH	0523	1.3
	1108	1.9		1007	1.7
	1720	0.4		1612	0.9
				2317	2.3
8 TH	0013	2.7	**23** FR	0601	1.3
	0649	0.9		1036	1.7
	1211	1.8		1633	1.1
	1814	0.7		2341	2.1
9 FR	0104	2.5	**24** SA	0653	1.3
	0752	0.9		1131	1.6
	1336	1.7		1657	1.3
	1920	1.0			
10 SA	0200	2.2	**25** SU	0013	2.0
	0903	0.9		0812	1.3
	1537	1.7		1515	1.5
	2102	1.3		1753	1.5
11 SU ◑	0305	2.0	**26** MO	0109	1.8
	1018	0.9		0941	1.2
	1732	1.9		1724	1.8
	2318	1.4		2225	1.6
12 MO	0423	1.8	**27** TU ◐	0312	1.7
	1123	0.8		1041	1.0
	1841	2.1		1758	2.0
13 TU	0054	1.3	**28** WE	0002	1.4
	0541	1.7		0441	1.7
	1214	0.7		1125	0.9
	1925	2.3		1829	2.2
14 WE	0148	1.2	**29** TH	0047	1.3
	0641	1.7		0539	1.7
	1253	0.7		1204	0.7
	1958	2.5		1902	2.4
15 TH	0224	1.1	**30** FR	0122	1.1
	0725	1.7		0625	1.8
	1326	0.6		1243	0.4
	2026	2.6		1936	2.7
			31 SA	0156	1.0
				0707	1.9
				1323	0.2
				2013	2.8

AUGUST

	Time	m		Time	m
1 SU	0231	0.8	**16** MO	0308	1.0
	0749	2.1		0834	2.0
	1403	0.1		1427	0.6
	2050	3.0		2112	2.6
2 MO ●	0307	0.7	**17** TU ○	0326	1.0
	0831	2.2		0853	2.0
	1445	0.0		1447	0.6
	2128	3.0		2131	2.5
3 TU	0346	0.7	**18** WE	0346	1.0
	0914	2.2		0912	2.0
	1527	0.0		1509	0.7
	2207	3.0		2150	2.5
4 WE	0425	0.6	**19** TH	0407	1.1
	0959	2.2		0934	2.0
	1609	0.2		1532	0.8
	2246	2.9		2208	2.4
5 TH	0506	0.7	**20** FR	0432	1.1
	1046	2.1		1003	1.9
	1652	0.5		1559	1.0
	2324	2.6		2227	2.3
6 FR	0549	0.7	**21** SA	0500	1.1
	1139	2.0		1040	1.9
	1739	0.8		1630	1.1
				2248	2.1
7 SA	0003	2.3	**22** SU	0534	1.1
	0637	0.9		1133	1.8
	1251	1.8		1711	1.4
	1841	1.2		2309	1.9
8 SU	0045	2.0	**23** MO	0619	1.2
	0741	1.0		1325	1.8
	1525	1.8		1847	1.6
	2133	1.5		2329	1.7
9 MO ◑	0201	1.6	**24** TU	0744	1.2
	0938	1.0		1620	1.9
	1749	2.0			
10 TU	0040	1.3	**25** WE ◐	0948	1.1
	0457	1.5		1733	2.1
	1122	1.0			
	1843	2.2			
11 WE	0125	1.1	**26** TH	0034	1.3
	0624	1.6		0452	1.5
	1218	0.9		1104	0.9
	1917	2.4		1814	2.3
12 TH	0151	1.0	**27** FR	0054	1.2
	0704	1.7		0550	1.6
	1254	0.7		1154	0.7
	1944	2.5		1848	2.5
13 FR	0213	0.9	**28** SA	0118	1.0
	0732	1.8		0629	1.8
	1322	0.7		1235	0.5
	2008	2.6		1920	2.7
14 SA	0232	0.9	**29** SU	0143	0.8
	0754	1.9		0705	2.0
	1346	0.6		1312	0.2
	2031	2.6		1952	2.9
15 SU	0250	0.9	**30** MO	0210	0.7
	0814	1.9		0741	2.2
	1407	0.6		1349	0.1
	2052	2.6		2025	2.9
			31 TU	0240	0.6
				0818	2.3
				1427	0.0
				2057	3.0

55574

PAPUA NEW GUINEA - REDSCAR HEAD

LAT 9° 15´ S LONG 146° 54´ E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -1000 YEAR 2027

SEPTEMBER

	Time	m		Time	m
1 WE ●	0311 0858 1505 2130	0.5 2.4 0.1 2.9	**16** TH ○	0306 0858 1450 2107	0.9 2.1 0.8 2.4
2 TH	0344 0939 1545 2203	0.4 2.4 0.3 2.7	**17** FR	0327 0925 1520 2126	0.8 2.2 0.9 2.3
3 FR	0419 1024 1628 2235	0.5 2.3 0.7 2.4	**18** SA	0350 0959 1555 2148	0.8 2.2 1.0 2.2
4 SA	0455 1114 1717 2306	0.6 2.2 1.1 2.0	**19** SU	0416 1038 1637 2210	0.8 2.2 1.2 2.0
5 SU	0532 1225 1837 2331	0.8 2.0 1.4 1.7	**20** MO	0445 1131 1736 2232	0.9 2.1 1.4 1.8
6 MO	0620 1523	1.0 1.9	**21** TU	0521 1300 1947 2239	1.0 2.0 1.6 1.6
7 TU	0857 1728	1.2 2.1	**22** WE	0628 1531	1.1 2.0
8 WE ◑	0046 0550 1112 1816	1.2 1.5 1.1 2.3	**23** TH ◐	0140 0252 0911 1701	1.4 1.4 1.1 2.2
9 TH	0106 0631 1204 1849	1.0 1.6 1.0 2.4	**24** FR	0024 0507 1045 1748	1.2 1.5 0.9 2.4
10 FR	0126 0656 1237 1916	0.9 1.8 0.8 2.5	**25** SA	0038 0550 1138 1823	1.0 1.6 0.7 2.6
11 SA	0144 0716 1302 1938	0.9 1.9 0.8 2.5	**26** SU	0057 0622 1218 1853	0.9 1.8 0.5 2.7
12 SU	0201 0735 1323 1958	0.9 1.9 0.7 2.5	**27** MO	0118 0654 1254 1922	0.7 2.0 0.3 2.8
13 MO	0217 0754 1342 2016	0.9 2.0 0.7 2.5	**28** TU	0141 0727 1330 1950	0.5 2.3 0.3 2.8
14 TU	0232 0813 1402 2033	0.9 2.0 0.7 2.5	**29** WE	0206 0803 1407 2020	0.4 2.4 0.3 2.7
15 WE	0248 0834 1424 2050	0.9 2.1 0.7 2.5	**30** TH ●	0234 0842 1446 2050	0.3 2.5 0.4 2.6

OCTOBER

	Time	m		Time	m
1 FR	0304 0924 1528 2122	0.3 2.5 0.7 2.4	**16** SA	0251 0917 1515 2052	0.6 2.4 1.0 2.2
2 SA	0336 1010 1617 2153	0.4 2.5 0.9 2.1	**17** SU	0316 0953 1557 2119	0.6 2.4 1.1 2.1
3 SU	0409 1102 1719 2222	0.5 2.3 1.2 1.8	**18** MO	0345 1036 1649 2149	0.6 2.4 1.2 1.9
4 MO	0444 1214 1931 2240	0.8 2.1 1.5 1.5	**19** TU	0420 1132 1802 2219	0.7 2.3 1.4 1.7
5 TU	0525 1438	1.0 2.1	**20** WE	0505 1256 2020 2252	0.9 2.2 1.4 1.5
6 WE	0005 0339 0730 1637	1.3 1.3 1.3 2.2	**21** TH	0626 1452 2307	1.0 2.2 1.3
7 TH ◑	0010 0537 1029 1732	1.1 1.5 1.2 2.3	**22** FR	0306 0841 1617 2338	1.4 1.0 2.3 1.1
8 FR	0033 0610 1128 1809	1.0 1.6 1.1 2.3	**23** SA ◐	0444 1013 1709	1.5 0.9 2.4
9 SA	0054 0634 1204 1837	0.9 1.8 1.0 2.4	**24** SU	0002 0531 1111 1746	0.9 1.7 0.8 2.5
10 SU	0113 0655 1230 1900	0.9 1.8 1.0 2.4	**25** MO	0024 0607 1155 1817	0.7 1.9 0.6 2.6
11 MO	0129 0715 1252 1918	0.9 1.9 0.9 2.4	**26** TU	0046 0641 1235 1845	0.6 2.1 0.6 2.5
12 TU	0142 0735 1314 1935	0.8 2.0 0.9 2.4	**27** WE	0108 0717 1314 1914	0.4 2.3 0.6 2.5
13 WE	0156 0756 1339 1951	0.8 2.1 0.9 2.4	**28** TH	0133 0754 1355 1944	0.3 2.5 0.7 2.4
14 TH	0211 0819 1406 2009	0.7 2.2 0.9 2.3	**29** FR ●	0200 0835 1439 2016	0.2 2.6 0.8 2.2
15 FR ○	0229 0846 1438 2029	0.7 2.3 0.9 2.3	**30** SA	0231 0919 1529 2051	0.3 2.6 1.0 2.1
			31 SU	0305 1006 1626 2129	0.4 2.5 1.1 1.9

NOVEMBER

	Time	m		Time	m
1 MO	0341 1058 1737 2210	0.6 2.4 1.3 1.6	**16** TU	0330 1034 1658 2146	0.5 2.6 1.2 1.8
2 TU	0421 1201 1931 2258	0.8 2.3 1.4 1.5	**17** WE	0415 1132 1811 2236	0.6 2.6 1.3 1.7
3 WE	0505 1328 2229	1.0 2.2 1.3	**18** TH	0512 1245 1950 2357	0.7 2.5 1.3 1.5
4 TH	0111 0609 1515 2330	1.3 1.2 2.1 1.2	**19** FR	0629 1410 2132	0.8 2.4 1.2
5 FR	0447 0825 1629	1.4 1.3 2.2	**20** SA	0221 0804 1523 2236	1.4 0.9 2.4 1.0
6 SA ◑	0002 0542 1015 1716	1.1 1.5 1.3 2.2	**21** SU ◐	0402 0931 1619 2316	1.6 0.9 2.4 0.8
7 SU	0026 0614 1112 1749	1.0 1.7 1.3 2.2	**22** MO	0506 1039 1702 2347	1.7 0.9 2.4 0.7
8 MO	0043 0639 1150 1812	1.0 1.8 1.2 2.2	**23** TU	0554 1136 1738	1.9 0.9 2.3
9 TU	0056 0700 1222 1832	0.9 1.9 1.2 2.2	**24** WE	0014 0637 1227 1811	0.6 2.1 0.9 2.2
10 WE	0107 0720 1252 1850	0.8 2.0 1.1 2.2	**25** TH	0041 0717 1316 1845	0.4 2.3 1.0 2.1
11 TH	0119 0741 1323 1910	0.7 2.2 1.1 2.2	**26** FR	0109 0758 1405 1922	0.3 2.5 1.0 2.0
12 FR	0135 0806 1356 1932	0.6 2.3 1.0 2.2	**27** SA	0140 0839 1454 2003	0.3 2.6 1.0 1.9
13 SA	0156 0834 1433 1959	0.5 2.5 1.0 2.2	**28** SU ●	0216 0922 1544 2046	0.3 2.6 1.1 1.8
14 SU ○	0222 0907 1514 2030	0.4 2.6 1.0 2.1	**29** MO	0253 1005 1635 2129	0.4 2.6 1.1 1.8
15 MO	0253 0946 1601 2105	0.4 2.7 1.1 2.0	**30** TU	0332 1049 1729 2211	0.6 2.5 1.2 1.7

DECEMBER

	Time	m		Time	m
1 WE	0410 1135 1830 2250	0.7 2.4 1.3 1.6	**16** TH	0415 1121 1753 2248	0.4 2.8 1.1 1.8
2 TH	0445 1225 2001 2327	0.9 2.3 1.4 1.4	**17** FR	0510 1219 1902 2357	0.5 2.7 1.1 1.7
3 FR	0517 1325 2244	1.1 2.2 1.3	**18** SA	0610 1320 2015	0.7 2.5 1.0
4 SA	0046 0545 1438 2347	1.3 1.2 2.1 1.2	**19** SU	0130 0721 1423 2125	1.6 0.9 2.4 1.0
5 SU	0553 0635 1548	1.4 1.4 2.0	**20** MO ◐	0316 0845 1522 2224	1.6 1.1 2.2 0.8
6 MO ◑	0003 0622 0926 1638	1.2 1.5 1.5 2.0	**21** TU	0446 1016 1616 2311	1.8 1.2 2.1 0.7
7 TU	0012 0637 1106 1713	1.1 1.7 1.5 2.0	**22** WE	0555 1141 1707 2351	2.0 1.2 1.9 0.6
8 WE	0019 0650 1200 1741	1.0 1.9 1.4 2.0	**23** TH	0648 1251 1757	2.2 1.2 1.8
9 TH	0029 0706 1240 1808	0.8 2.1 1.3 2.0	**24** FR	0028 0731 1346 1845	0.5 2.4 1.1 1.8
10 FR	0044 0726 1315 1836	0.7 2.3 1.2 2.0	**25** SA	0104 0809 1431 1931	0.5 2.5 1.1 1.8
11 SA	0105 0751 1351 1906	0.5 2.4 1.1 2.0	**26** SU	0140 0845 1509 2013	0.4 2.6 1.0 1.8
12 SU	0131 0821 1429 1941	0.4 2.6 1.0 2.0	**27** MO	0216 0919 1545 2051	0.4 2.7 1.0 1.8
13 MO	0204 0858 1512 2020	0.3 2.7 1.0 2.0	**28** TU ●	0251 0954 1620 2126	0.5 2.7 1.1 1.8
14 TU ○	0242 0940 1559 2104	0.3 2.8 1.0 2.0	**29** WE	0323 1027 1654 2155	0.5 2.6 1.1 1.8
15 WE	0326 1028 1653 2152	0.3 2.8 1.0 1.9	**30** TH	0352 1059 1729 2219	0.7 2.5 1.2 1.7
			31 FR	0416 1129 1808 2235	0.8 2.4 1.3 1.6

55574

PAPUA NEW GUINEA - PADANA NAHUA PASSAGE

LAT 9° 34´ S LONG 147° 17´ E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -1000 YEAR 2027

JANUARY

	Time	m		Time	m		Time	m		Time	m
1 FR	0623	1.8	**16** SA	0523	1.6	**1** MO	0030	0.7	**16** TU	0642	2.3
	1206	1.3		1044	1.3		0725	2.3		1314	0.9
	1718	1.7		1605	1.6		1403	1.0		1822	1.6
			◑	2302	0.6		1900	1.6			
2 SA	0007	0.7	**17** SU	0612	1.9	**2** TU	0055	0.7	**17** WE	0022	0.4
	0706	2.0		1210	1.2		0746	2.4		0716	2.5
	1314	1.2		1710	1.6		1421	0.9		1341	0.8
	1807	1.7		2344	0.5		1922	1.6		1859	1.7
3 SU	0039	0.6	**18** MO	0650	2.2	**3** WE	0116	0.6	**18** TH	0102	0.3
	0739	2.2		1304	1.1		0805	2.4		0749	2.6
	1359	1.1		1803	1.6		1435	0.9		1407	0.7
	1846	1.6					1938	1.7		1932	1.9
4 MO	0105	0.6	**19** TU	0024	0.4	**4** TH	0136	0.6	**19** FR	0140	0.2
	0805	2.3		0726	2.4		0824	2.4		0822	2.7
	1433	1.1		1345	0.9		1446	0.9		1435	0.7
	1918	1.6		1849	1.7		1953	1.8		2005	2.0
5 TU	0128	0.5	**20** WE	0104	0.2	**5** FR	0155	0.5	**20** SA	0215	0.1
	0828	2.4		0802	2.5		0842	2.4		0854	2.7
	1459	1.0		1421	0.8		1459	0.9		1505	0.6
	1944	1.6		1932	1.7		2010	1.8		2039	2.1
6 WE	0149	0.5	**21** TH	0145	0.1	**6** SA	0217	0.4	**21** SU	0250	0.2
	0849	2.4		0839	2.6		0903	2.4		0925	2.6
	1520	1.0		1457	0.8		1517	0.9		1537	0.6
	2006	1.6		2012	1.8		2033	1.9	○	2114	2.1
7 TH	0211	0.5	**22** FR	0225	0.1	**7** SU	0242	0.4	**22** MO	0324	0.3
	0910	2.4		0918	2.7		0927	2.4		0955	2.5
	1539	1.0		1534	0.8		1540	0.9		1610	0.7
	2028	1.7	○	2052	1.9	●	2101	1.9		2152	2.0
8 FR	0234	0.5	**23** SA	0306	0.1	**8** MO	0310	0.4	**23** TU	0357	0.6
	0933	2.4		0957	2.6		0955	2.3		1023	2.3
	1559	1.0		1612	0.8		1610	0.9		1645	0.8
●	2052	1.7		2132	1.9		2135	1.9		2234	1.8
9 SA	0301	0.4	**24** SU	0345	0.2	**9** TU	0340	0.4	**24** WE	0430	0.9
	1000	2.3		1036	2.5		1024	2.2		1046	2.0
	1624	1.0		1653	0.8		1646	0.9		1722	0.9
	2119	1.7		2213	1.8		2216	1.8		2331	1.7
10 SU	0330	0.5	**25** MO	0424	0.4	**10** WE	0413	0.6	**25** TH	0505	1.2
	1031	2.2		1116	2.4		1056	2.1		1057	1.7
	1657	1.1		1738	0.9		1729	0.9		1806	1.0
	2150	1.6		2259	1.7		2307	1.6			
11 MO	0402	0.5	**26** TU	0502	0.7	**11** TH	0451	0.8	**26** FR	0314	1.6
	1107	2.1		1156	2.1		1128	1.9		1949	1.1
	1740	1.1		1832	1.0		1823	0.9			
	2229	1.6									
12 TU	0437	0.6	**27** WE	0002	1.5	**12** FR	0024	1.5	**27** SA	0534	1.8
	1148	2.0		0541	1.0		0543	1.1		1328	1.2
	1839	1.1		1239	1.9		1203	1.7		1707	1.3
	2321	1.4		1947	1.0		1942	0.9		2242	1.1
13 WE	0517	0.8	**28** TH	0253	1.4	**13** SA	0303	1.5	**28** SU	0606	2.1
	1236	1.9		0654	1.3		0842	1.4		1317	1.0
	1955	1.0		1349	1.7		1303	1.5		1809	1.4
				2142	1.0		2119	0.8	◐	2338	1.0
14 TH	0054	1.3	**29** FR	0552	1.7	**14** SU	0513	1.8			
	0616	1.0		1158	1.4		1159	1.2			
	1334	1.8		1607	1.5		1606	1.4			
	2112	0.9	◐	2309	0.9	◑	2239	0.7			
15 FR	0341	1.4	**30** SA	0634	2.0	**15** MO	0605	2.1			
	0829	1.2		1309	1.2		1246	1.1			
	1448	1.7		1737	1.5		1734	1.4			
	2213	0.8		2357	0.8		2337	0.6			
			31 SU	0702	2.2						
				1341	1.1						
				1828	1.5						

FEBRUARY

	Time	m		Time	m		Time	m		Time	m
1 MO	0632	2.2	**16** TU	0541	2.2	**1** TH	0004	0.9	**16** FR	0622	2.5
	1325	0.9		1235	0.9		0641	2.2		1248	0.6
	1837	1.5		1745	1.5		1311	0.9		1834	1.9
			◑	2328	0.6		1839	1.7			
2 TU	0012	0.9	**17** WE	0621	2.4	**2** FR	0024	0.8	**17** SA	0030	0.5
	0655	2.3		1255	0.8		0700	2.3		0652	2.5
	1338	0.9		1820	1.7		1319	0.9		1313	0.5
	1854	1.6					1850	1.8		1906	2.1
3 WE	0037	0.8	**18** TH	0013	0.5	**3** SA	0042	0.7	**18** SU	0106	0.5
	0716	2.3		0654	2.5		0716	2.3		0719	2.5
	1349	0.9		1318	0.7		1329	0.8		1339	0.5
	1906	1.7		1850	1.9		1907	1.9		1941	2.2
4 TH	0056	0.7	**19** FR	0050	0.3	**4** SU	0102	0.6	**19** MO	0141	0.6
	0735	2.4		0725	2.6		0732	2.3		0744	2.4
	1358	0.9		1341	0.6		1344	0.7		1405	0.4
	1917	1.8		1920	2.0		1931	2.0		2017	2.2
5 FR	0113	0.6	**20** SA	0124	0.3	**5** MO	0127	0.5	**20** TU	0218	0.8
	0753	2.4		0754	2.6		0750	2.3		0808	2.2
	1407	0.9		1407	0.6		1403	0.6		1431	0.4
	1930	1.9		1950	2.2		2000	2.1		2056	2.3
6 SA	0132	0.5	**21** SU	0157	0.3	**6** TU	0156	0.5	**21** WE	0259	0.9
	0810	2.4		0821	2.6		0811	2.3		0830	2.0
	1420	0.8		1434	0.5		1427	0.4		1457	0.5
	1949	2.0		2024	2.2		2035	2.2	○	2137	2.2
7 SU	0153	0.4	**22** MO	0230	0.4	**7** WE	0230	0.6	**22** TH	0345	1.1
	0829	2.4		0847	2.5		0835	2.2		0850	1.8
	1438	0.8		1502	0.5		1455	0.4		1521	0.6
	2014	2.0	○	2059	2.2	●	2115	2.2		2222	2.1
8 MO	0218	0.4	**23** TU	0304	0.6	**8** TH	0309	0.7	**23** FR	0444	1.3
	0851	2.4		0911	2.3		0902	2.1		0906	1.6
	1502	0.7		1531	0.6		1525	0.4		1543	0.7
●	2046	2.1		2139	2.1		2200	2.2		2315	2.0
9 TU	0247	0.4	**24** WE	0339	0.9	**9** FR	0355	0.9	**24** SA	0625	1.4
	0915	2.3		0931	2.1		0930	1.9		0900	1.4
	1530	0.6		1558	0.6		1557	0.4		1559	0.9
	2123	2.0		2223	2.0		2255	2.1			
10 WE	0320	0.5	**25** TH	0420	1.2	**10** SA	0457	1.1	**25** SU	0040	1.9
	0941	2.2		0945	1.8		0959	1.6		1552	1.0
	1602	0.6		1624	0.8		1635	0.6			
	2206	2.0		2322	1.8						
11 TH	0357	0.7	**26** FR	0525	1.4	**11** SU	0012	2.0	**26** MO	0253	1.9
	1008	2.0		0934	1.6		0703	1.3		1304	1.1
	1636	0.6		1645	0.9		1024	1.4			
	2259	1.9					1730	0.8			
12 FR	0442	1.0	**27** SA	0222	1.8	**12** MO	0218	2.0	**27** TU	0408	2.0
	1035	1.8		1634	1.1		1127	1.1		1215	1.0
	1715	0.7					1358	1.1		1745	1.3
							2006	0.9		2118	1.2
13 SA	0013	1.8	**28** SU	0427	1.9	**13** TU	0403	2.1	**28** WE	0457	2.0
	0558	1.3		1309	1.1		1134	0.9		1215	1.0
	1056	1.5		1822	1.3		1636	1.3		1746	1.4
	1812	0.8		2126	1.2		2201	0.8		2233	1.1
14 SU	0239	1.7	**29** MO	0515	2.0	**14** WE	0504	2.3	**29** TH	0532	2.1
	2034	0.9		1249	1.0		1159	0.8		1224	0.9
				1812	1.4		1725	1.5		1756	1.5
				2258	1.1	◑	2305	0.7	◐	2312	1.0
15 MO	0444	2.0	**30** TU	0549	2.1	**15** TH	0548	2.4	**30** FR	0558	2.1
	1219	1.1		1253	0.9		1224	0.7		1232	0.9
	1648	1.3		1821	1.5		1801	1.8		1810	1.6
	2225	0.8	◐	2338	1.0		2351	0.5		2340	0.9
			31 WE	0618	2.2						
				1303	0.9						
				1830	1.6						

55583

PAPUA NEW GUINEA - PADANA NAHUA PASSAGE

LAT 9° 34´ S LONG 147° 17´ E

TIME ZONE -1000

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

YEAR 2027

MAY

	Time	m		Time	m
1 SA	0617	2.1	**16** SU	0012	0.8
	1241	0.8		0618	2.2
	1828	1.8		1248	0.5
				1905	2.1
2 SU	0007	0.8	**17** MO	0057	0.9
	0632	2.1		0646	2.2
	1253	0.7		1315	0.4
	1852	1.9		1944	2.2
3 MO	0035	0.8	**18** TU	0143	1.0
	0649	2.2		0713	2.1
	1310	0.5		1342	0.4
	1920	2.1		2023	2.3
4 TU	0107	0.8	**19** WE	0229	1.0
	0709	2.2		0740	1.9
	1331	0.4		1408	0.4
	1953	2.2		2101	2.3
5 WE	0143	0.8	**20** TH ○	0316	1.1
	0733	2.1		0807	1.8
	1357	0.2		1433	0.4
	2030	2.3		2137	2.3
6 TH ●	0224	0.8	**21** FR	0405	1.2
	0802	2.0		0835	1.6
	1426	0.2		1458	0.5
	2111	2.4		2214	2.3
7 FR	0312	0.9	**22** SA	0458	1.2
	0834	1.9		0903	1.5
	1459	0.2		1523	0.6
	2159	2.3		2253	2.2
8 SA	0409	1.0	**23** SU	0558	1.2
	0911	1.7		0930	1.4
	1537	0.3		1548	0.8
	2256	2.3		2337	2.1
9 SU	0524	1.1	**24** MO	0722	1.3
	0955	1.5		0952	1.3
	1624	0.5		1615	0.9
10 MO	0011	2.2	**25** TU	0040	2.0
	0718	1.1		1651	1.0
	1103	1.3			
	1734	0.7			
11 TU	0148	2.1	**26** WE	0216	1.9
	0927	1.0		1817	1.1
	1347	1.2			
	1935	0.8			
12 WE	0316	2.2	**27** TH	0337	1.9
	1034	0.9		1126	1.1
	1548	1.3		1636	1.2
	2120	0.8		2034	1.1
13 TH ◑	0420	2.2	**28** FR ◐	0427	1.9
	1116	0.8		1136	1.0
	1653	1.5		1716	1.4
	2230	0.8		2157	1.1
14 FR	0507	2.3	**29** SA	0459	1.9
	1149	0.7		1147	0.9
	1741	1.7		1746	1.5
	2324	0.8		2252	1.1
15 SA	0545	2.3	**30** SU	0524	1.9
	1220	0.6		1201	0.7
	1824	1.9		1815	1.7
				2338	1.0
			31 MO	0545	1.9
				1218	0.6
				1845	1.9

JUNE

	Time	m		Time	m
1 TU	0020	1.0	**16** WE	0207	1.1
	0609	1.9		0703	1.8
	1240	0.4		1328	0.4
	1916	2.1		2028	2.4
2 WE	0102	1.0	**17** TH	0250	1.1
	0636	1.9		0737	1.7
	1305	0.3		1355	0.4
	1950	2.3		2058	2.4
3 TH	0146	0.9	**18** FR	0327	1.1
	0708	1.9		0808	1.6
	1335	0.2		1421	0.5
	2028	2.4		2126	2.4
4 FR	0233	0.9	**19** SA ○	0400	1.0
	0745	1.8		0838	1.6
	1410	0.1		1446	0.5
	2110	2.5		2153	2.4
5 SA ●	0324	0.9	**20** SU	0431	1.1
	0828	1.7		0905	1.6
	1450	0.1		1512	0.5
	2158	2.5		2222	2.3
6 SU	0419	0.9	**21** MO	0503	1.1
	0916	1.6		0931	1.5
	1536	0.2		1539	0.6
	2253	2.4		2254	2.2
7 MO	0523	1.0	**22** TU	0539	1.2
	1011	1.5		0957	1.5
	1629	0.4		1608	0.7
	2357	2.3		2331	2.0
8 TU	0640	1.0	**23** WE	0627	1.2
	1118	1.4		1025	1.4
	1731	0.5		1639	0.8
9 WE	0109	2.2	**24** TH	0017	1.9
	0806	1.0		0737	1.2
	1254	1.3		1106	1.3
	1849	0.7		1716	0.9
10 TH	0222	2.2	**25** FR	0117	1.8
	0926	0.9		0906	1.1
	1449	1.4		1245	1.2
	2022	0.9		1817	1.0
11 FR ◑	0327	2.1	**26** SA	0229	1.8
	1029	0.8		1010	1.0
	1625	1.5		1621	1.3
	2151	1.0		2029	1.2
12 SA	0422	2.1	**27** SU ◐	0333	1.7
	1117	0.7		1048	0.8
	1737	1.7		1733	1.5
	2310	1.0		2218	1.2
13 SU	0509	2.0	**28** MO	0422	1.7
	1156	0.6		1118	0.7
	1832	1.9		1811	1.7
				2334	1.2
14 MO	0019	1.1	**29** TU	0504	1.7
	0550	1.9		1147	0.5
	1230	0.5		1843	2.0
	1917	2.1			
15 TU	0118	1.1	**30** WE	0030	1.1
	0628	1.8		0543	1.7
	1300	0.4		1217	0.4
	1954	2.3		1915	2.2

JULY

	Time	m		Time	m
1 TH	0117	1.0	**16** FR	0248	0.9
	0624	1.7		0744	1.6
	1250	0.2		1347	0.5
	1949	2.4		2041	2.5
2 FR	0159	0.9	**17** SA	0310	0.9
	0706	1.7		0807	1.7
	1327	0.1		1410	0.5
	2026	2.5		2103	2.4
3 SA	0241	0.8	**18** SU	0330	0.9
	0750	1.7		0828	1.7
	1407	0.1		1433	0.4
	2107	2.6		2125	2.4
4 SU ●	0324	0.8	**19** MO ○	0349	0.9
	0834	1.7		0848	1.7
	1451	0.1		1456	0.4
	2151	2.6		2148	2.3
5 MO	0409	0.8	**20** TU	0411	1.0
	0920	1.7		0911	1.7
	1535	0.1		1520	0.4
	2237	2.5		2214	2.2
6 TU	0457	0.8	**21** WE	0437	1.0
	1007	1.7		0937	1.7
	1621	0.2		1546	0.5
	2327	2.4		2243	2.1
7 WE	0551	0.9	**22** TH	0512	1.0
	1059	1.6		1009	1.6
	1708	0.4		1614	0.6
				2315	2.0
8 TH	0019	2.2	**23** FR	0557	1.0
	0654	0.9		1051	1.5
	1204	1.5		1644	0.8
	1800	0.7		2349	1.8
9 FR	0117	2.1	**24** SA	0700	1.0
	0810	0.9		1159	1.3
	1355	1.4		1721	1.0
	1913	1.0			
10 SA	0223	1.9	**25** SU	0030	1.7
	0935	0.8		0821	0.9
	1622	1.5		1449	1.3
	2131	1.2		1901	1.2
11 SU ◑	0337	1.7	**26** MO	0131	1.6
	1048	0.7		0938	0.8
	1758	1.8		1721	1.5
	2345	1.2		2233	1.3
12 MO	0450	1.6	**27** TU ◐	0323	1.4
	1141	0.6		1037	0.7
	1849	2.0		1805	1.8
13 TU	0102	1.1	**28** WE	0012	1.2
	0551	1.6		0452	1.4
	1220	0.6		1124	0.6
	1923	2.2		1838	2.0
14 WE	0148	1.0	**29** TH	0057	1.0
	0639	1.6		0551	1.5
	1253	0.5		1206	0.4
	1952	2.4		1910	2.2
15 TH	0222	1.0	**30** FR	0130	0.9
	0715	1.6		0636	1.6
	1322	0.5		1247	0.3
	2017	2.4		1943	2.4
			31 SA	0201	0.8
				0716	1.7
				1326	0.1
				2018	2.5

AUGUST

	Time	m		Time	m
1 SU	0233	0.7	**16** MO	0250	0.8
	0753	1.8		0805	1.8
	1406	0.0		1411	0.4
	2054	2.6		2052	2.3
2 MO ●	0307	0.6	**17** TU ○	0305	0.8
	0831	1.9		0824	1.8
	1445	0.0		1432	0.4
	2131	2.6		2112	2.3
3 TU	0343	0.6	**18** WE	0325	0.8
	0910	1.9		0849	1.9
	1523	0.0		1455	0.4
	2209	2.5		2134	2.2
4 WE	0422	0.7	**19** TH	0349	0.8
	0950	1.9		0919	1.8
	1601	0.2		1522	0.4
	2246	2.4		2159	2.1
5 TH	0503	0.7	**20** FR	0419	0.8
	1034	1.7		0956	1.7
	1639	0.5		1551	0.6
	2323	2.1		2224	2.0
6 FR	0550	0.8	**21** SA	0453	0.8
	1130	1.6		1042	1.6
	1719	0.8		1625	0.8
	2359	1.9		2250	1.8
7 SA	0648	0.9	**22** SU	0535	0.8
	1318	1.4		1145	1.5
	1818	1.2		1708	1.1
				2314	1.6
8 SU	0042	1.6	**23** MO	0634	0.8
	0821	0.9		1350	1.5
	1653	1.6		1924	1.3
	2324	1.3		2332	1.4
9 MO ◑	0311	1.4	**24** TU	0820	0.8
	1021	0.9		1647	1.6
	1805	1.9			
10 TU	0055	1.1	**25** WE ◐	0035	1.2
	0516	1.4		0316	1.2
	1130	0.8		1005	0.8
	1840	2.1		1744	1.9
11 WE	0124	1.0	**26** TH	0038	1.0
	0617	1.5		0519	1.3
	1213	0.7		1113	0.6
	1907	2.3		1822	2.1
12 TH	0146	0.9	**27** FR	0057	0.9
	0653	1.5		0607	1.5
	1245	0.6		1202	0.4
	1932	2.4		1856	2.3
13 FR	0205	0.8	**28** SA	0120	0.7
	0717	1.6		0641	1.6
	1311	0.6		1242	0.3
	1954	2.4		1927	2.5
14 SA	0222	0.8	**29** SU	0145	0.6
	0735	1.7		0713	1.8
	1333	0.5		1319	0.1
	2014	2.4		1959	2.6
15 SU	0236	0.8	**30** MO	0211	0.6
	0750	1.8		0745	1.9
	1352	0.4		1354	0.0
	2033	2.4		2030	2.6
			31 TU	0241	0.5
				0818	2.0
				1429	0.0
				2101	2.6

55583

PAPUA NEW GUINEA - PADANA NAHUA PASSAGE

LAT 9° 34´ S LONG 147° 17´ E

TIME ZONE -1000

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

YEAR 2027

SEPTEMBER

	Time	m		Time	m
1 WE ●	0312	0.5	**16** TH ○	0245	0.6
	0854	2.1		0833	2.0
	1503	0.2		1431	0.5
	2131	2.4		2053	2.2
2 TH	0344	0.5	**17** FR	0309	0.5
	0933	2.0		0907	2.0
	1539	0.4		1502	0.5
	2159	2.2		2116	2.1
3 FR	0418	0.5	**18** SA	0336	0.5
	1017	1.9		0948	1.9
	1616	0.7		1538	0.7
	2224	2.0		2140	1.9
4 SA	0453	0.6	**19** SU	0406	0.5
	1112	1.7		1035	1.9
	1700	1.1		1622	0.9
	2241	1.7		2205	1.7
5 SU	0532	0.8	**20** MO	0439	0.6
	1311	1.6		1138	1.7
	1857	1.4		1728	1.1
	2211	1.4		2226	1.5
6 MO	0631	0.9	**21** TU	0521	0.7
	1631	1.8		1327	1.7
7 TU	0118	1.1	**22** WE	0705	0.8
	0419	1.2		1557	1.8
	0941	1.0			
	1731	2.0			
8 WE ◑	0054	0.9	**23** TH ◐	0009	1.0
	0551	1.3		0407	1.1
	1111	0.9		0943	0.8
	1807	2.1		1710	2.0
9 TH	0104	0.8	**24** FR	0013	0.8
	0623	1.5		0522	1.3
	1156	0.8		1059	0.6
	1836	2.2		1754	2.2
10 FR	0119	0.8	**25** SA	0032	0.7
	0645	1.6		0558	1.5
	1227	0.7		1148	0.5
	1901	2.3		1830	2.3
11 SA	0134	0.7	**26** SU	0055	0.6
	0700	1.7		0629	1.7
	1250	0.7		1227	0.3
	1923	2.3		1901	2.4
12 SU	0147	0.8	**27** MO	0119	0.5
	0712	1.7		0659	1.9
	1309	0.6		1302	0.2
	1942	2.3		1930	2.5
13 MO	0159	0.8	**28** TU	0144	0.4
	0725	1.8		0731	2.1
	1325	0.5		1336	0.2
	1958	2.3		1958	2.5
14 TU	0210	0.7	**29** WE	0211	0.4
	0742	1.9		0805	2.1
	1343	0.4		1410	0.3
	2014	2.3		2024	2.4
15 WE	0225	0.7	**30** TH ●	0240	0.3
	0804	1.9		0843	2.2
	1405	0.4		1447	0.5
	2032	2.2		2050	2.2

OCTOBER

	Time	m		Time	m
1 FR	0309	0.3	**16** SA	0234	0.3
	0924	2.1		0900	2.1
	1527	0.7		1453	0.7
	2113	2.0		2038	2.0
2 SA	0338	0.4	**17** SU	0302	0.3
	1011	2.0		0942	2.1
	1614	1.0		1539	0.8
	2134	1.8		2107	1.8
3 SU	0407	0.5	**18** MO	0333	0.3
	1109	1.9		1031	2.1
	1724	1.3		1636	1.0
	2142	1.5		2138	1.6
4 MO	0435	0.7	**19** TU	0409	0.4
	1256	1.8		1135	2.0
				1808	1.1
				2213	1.3
5 TU	0500	0.9	**20** WE	0456	0.6
	1525	1.9		1313	1.9
				2120	1.1
				2323	1.1
6 WE	0044	1.0	**21** TH	0643	0.8
	0530	1.1		1510	1.9
	0742	1.1		2255	0.9
	1637	2.0			
7 TH ◑	0020	0.9	**22** FR	0340	1.2
	0547	1.3		0911	0.8
	1026	1.1		1627	2.1
	1722	2.0		2328	0.8
8 FR	0030	0.8	**23** SA ◐	0452	1.4
	0605	1.4		1028	0.7
	1120	1.0		1717	2.2
	1757	2.1		2357	0.7
9 SA	0045	0.8	**24** SU	0535	1.6
	0620	1.5		1121	0.5
	1153	0.9		1755	2.3
	1825	2.1			
10 SU	0100	0.8	**25** MO	0024	0.6
	0634	1.6		0611	1.8
	1217	0.8		1204	0.5
	1847	2.1		1827	2.3
11 MO	0112	0.8	**26** TU	0051	0.5
	0647	1.7		0647	2.0
	1235	0.7		1243	0.5
	1904	2.1		1856	2.3
12 TU	0122	0.7	**27** WE	0117	0.4
	0703	1.8		0724	2.1
	1254	0.7		1322	0.6
	1918	2.2		1922	2.3
13 WE	0133	0.6	**28** TH	0144	0.3
	0725	1.9		0802	2.2
	1316	0.6		1402	0.7
	1933	2.1		1948	2.1
14 TH	0149	0.5	**29** FR ●	0212	0.3
	0751	2.0		0843	2.3
	1343	0.6		1447	0.8
	1951	2.1		2014	2.0
15 FR ○	0210	0.4	**30** SA	0240	0.3
	0824	2.1		0926	2.3
	1415	0.7		1537	1.0
	2013	2.1		2040	1.8
			31 SU	0309	0.4
				1012	2.2
				1636	1.1
				2106	1.6

NOVEMBER

	Time	m		Time	m
1 MO	0337	0.5	**16** TU	0317	0.2
	1104	2.1		1030	2.3
	1758	1.2		1652	1.0
	2130	1.4		2139	1.5
2 TU	0405	0.7	**17** WE	0402	0.3
	1213	2.0		1133	2.2
				1816	1.0
				2238	1.3
3 WE	0432	0.9	**18** TH	0502	0.5
	1356	1.9		1254	2.1
				2007	1.0
4 TH	0052	1.0	**19** FR	0018	1.2
	0329	1.1		0632	0.7
	0513	1.1		1423	2.1
	1526	1.9		2139	0.9
	2340	1.0			
5 FR ◑	0506	1.2	**20** SA	0239	1.2
	0827	1.1		0822	0.7
	1628	1.9		1537	2.1
	2354	0.9		2237	0.8
6 SA	0530	1.3	**21** SU ◐	0410	1.4
	1007	1.1		0946	0.7
	1711	2.0		1632	2.2
				2319	0.7
7 SU	0012	0.9	**22** MO	0512	1.6
	0550	1.4		1050	0.8
	1057	1.0		1715	2.2
	1742	2.0		2354	0.5
8 MO	0026	0.8	**23** TU	0602	1.8
	0609	1.5		1146	0.8
	1131	1.0		1751	2.1
	1804	2.0			
9 TU	0036	0.8	**24** WE	0025	0.4
	0629	1.7		0647	2.0
	1159	0.9		1237	0.9
	1819	2.0		1824	2.1
10 WE	0046	0.7	**25** TH	0055	0.4
	0651	1.8		0729	2.2
	1227	0.9		1328	0.9
	1834	2.0		1855	2.0
11 TH	0059	0.5	**26** FR	0124	0.3
	0716	2.0		0810	2.3
	1258	0.9		1417	1.0
	1851	2.0		1926	1.9
12 FR	0117	0.4	**27** SA	0153	0.3
	0745	2.1		0849	2.4
	1333	0.8		1506	1.0
	1914	2.0		1959	1.7
13 SA	0139	0.2	**28** SU ●	0223	0.3
	0818	2.2		0927	2.4
	1412	0.8		1554	1.1
	1942	1.9		2034	1.6
14 SU ○	0207	0.2	**29** MO	0253	0.4
	0856	2.3		1005	2.4
	1457	0.9		1643	1.1
	2015	1.8		2109	1.5
15 MO	0239	0.1	**30** TU	0323	0.5
	0939	2.3		1044	2.3
	1549	0.9		1735	1.1
	2053	1.7		2143	1.4

DECEMBER

	Time	m		Time	m
1 WE	0353	0.7	**16** TH	0405	0.3
	1125	2.1		1120	2.4
	1834	1.2		1750	0.9
	2215	1.3		2244	1.5
2 TH	0424	0.8	**17** FR	0459	0.4
	1217	2.0		1223	2.3
	1957	1.2		1904	1.0
	2245	1.2		2355	1.4
3 FR	0457	0.9	**18** SA	0602	0.6
	1331	1.9		1331	2.2
	2158	1.2		2025	0.9
	2325	1.2			
4 SA	0542	1.0	**19** SU	0136	1.3
	1459	1.8		0722	0.8
	2311	1.1		1439	2.1
				2140	0.8
5 SU	0421	1.2	**20** MO ◐	0331	1.4
	0727	1.1		0858	1.0
	1602	1.8		1541	2.0
	2331	1.0		2240	0.7
6 MO ◑	0524	1.3	**21** TU	0505	1.6
	0923	1.2		1033	1.1
	1642	1.8		1636	1.9
	2344	0.9		2327	0.6
7 TU	0556	1.5	**22** WE	0611	1.9
	1039	1.2		1156	1.1
	1708	1.8		1725	1.8
	2355	0.8			
8 WE	0622	1.6	**23** TH	0007	0.5
	1133	1.1		0700	2.1
	1730	1.8		1303	1.1
				1810	1.8
9 TH	0008	0.6	**24** FR	0041	0.4
	0646	1.8		0740	2.3
	1217	1.1		1355	1.1
	1753	1.8		1851	1.7
10 FR	0027	0.5	**25** SA	0114	0.4
	0712	2.0		0814	2.4
	1258	1.1		1437	1.0
	1820	1.8		1930	1.7
11 SA	0050	0.3	**26** SU	0145	0.4
	0741	2.2		0846	2.5
	1338	1.0		1513	1.0
	1852	1.8		2005	1.7
12 SU	0119	0.2	**27** MO	0215	0.4
	0814	2.4		0915	2.5
	1420	0.9		1546	1.0
	1929	1.8		2037	1.7
13 MO	0153	0.1	**28** TU ●	0244	0.5
	0852	2.5		0944	2.5
	1505	0.9		1617	1.0
	2012	1.7		2105	1.6
14 TU ○	0232	0.1	**29** WE	0312	0.5
	0935	2.5		1013	2.3
	1553	0.9		1647	1.0
	2058	1.7		2130	1.6
15 WE	0316	0.2	**30** TH	0338	0.6
	1024	2.4		1042	2.2
	1647	0.9		1719	1.1
	2148	1.6		2154	1.5
			31 FR	0403	0.7
				1113	2.1
				1759	1.2
				2218	1.5

55583

PAPUA NEW GUINEA - DOINI ISLAND

LAT 10° 42´ S LONG 150° 42´ E

TIME ZONE -1000

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

YEAR 2027

JANUARY

	Time	m		Time	m
1 FR	1156	1.0	**16** SA	0545	1.2
	1643	1.2		0948	1.1
	2347	0.4	◑	1451	1.2
				2240	0.5
2 SA	0708	1.4	**17** SU	0616	1.4
	1319	0.9		1203	1.0
	1725	1.1		1603	1.2
				2318	0.4
3 SU	0014	0.4	**18** MO	0646	1.5
	0742	1.5		1304	1.0
	1415	0.9		1710	1.1
	1805	1.1		2359	0.3
4 MO	0041	0.3	**19** TU	0719	1.7
	0811	1.6		1347	0.9
	1456	0.9		1810	1.2
	1841	1.0			
5 TU	0108	0.3	**20** WE	0042	0.1
	0837	1.6		0755	1.9
	1526	0.9		1426	0.8
	1914	1.0		1903	1.2
6 WE	0136	0.3	**21** TH	0126	0.0
	0903	1.7		0834	1.9
	1552	0.9		1505	0.7
	1941	1.0		1952	1.2
7 TH	0203	0.3	**22** FR	0211	0.0
	0929	1.6		0914	2.0
	1616	0.9		1546	0.7
	2004	1.0	○	2038	1.2
8 FR	0230	0.3	**23** SA	0255	0.0
	0955	1.6		0956	2.0
	1642	0.9		1629	0.7
●	2023	1.0		2124	1.2
9 SA	0257	0.3	**24** SU	0339	0.1
	1023	1.6		1037	1.9
	1711	1.0		1714	0.7
	2042	1.0		2212	1.2
10 SU	0324	0.4	**25** MO	0422	0.3
	1052	1.6		1119	1.7
	1747	1.0		1803	0.7
	2104	1.0		2307	1.1
11 MO	0352	0.4	**26** TU	0506	0.5
	1122	1.5		1200	1.6
	1831	1.0		1859	0.7
	2134	1.0			
12 TU	0421	0.5	**27** WE	0026	1.1
	1154	1.5		0555	0.7
	1929	0.9		1242	1.4
	2228	0.9		2006	0.7
13 WE	0449	0.7	**28** TH	0300	1.1
	1228	1.4		0717	1.0
	2035	0.8		1330	1.2
				2121	0.6
14 TH	0034	0.9	**29** FR	0515	1.2
	0520	0.8		1119	1.0
	1304	1.4		1446	1.1
	2125	0.8	◐	2227	0.6
15 FR	0439	1.0	**30** SA	0620	1.4
	0623	1.0		1321	1.0
	1349	1.3		1625	1.0
	2203	0.7		2316	0.5
			31 SU	0657	1.5
				1400	0.9
				1736	1.0
				2355	0.5

FEBRUARY

	Time	m		Time	m
1 MO	0726	1.6	**16** TU	0633	1.7
	1426	0.8		1322	0.9
	1822	1.0		1737	1.1
				2352	0.3
2 TU	0028	0.4	**17** WE	0706	1.8
	0750	1.6		1345	0.8
	1442	0.8		1828	1.2
	1854	1.0			
3 WE	0057	0.4	**18** TH	0037	0.2
	0812	1.7		0739	1.9
	1455	0.8		1412	0.7
	1920	1.1		1910	1.3
4 TH	0125	0.4	**19** FR	0120	0.1
	0834	1.7		0812	2.0
	1509	0.8		1441	0.6
	1942	1.1		1950	1.3
5 FR	0151	0.3	**20** SA	0200	0.1
	0855	1.7		0846	2.0
	1524	0.9		1512	0.6
	2003	1.2		2030	1.4
6 SA	0216	0.3	**21** SU	0240	0.1
	0917	1.7		0920	1.9
	1543	0.9		1545	0.6
	2026	1.2	○	2111	1.4
7 SU	0241	0.3	**22** MO	0320	0.3
	0939	1.7		0952	1.8
	1604	0.9		1619	0.6
	2051	1.2		2155	1.4
8 MO	0307	0.4	**23** TU	0400	0.5
	1002	1.7		1023	1.6
	1629	0.9		1654	0.6
	2122	1.2		2245	1.3
9 TU	0335	0.5	**24** WE	0442	0.7
	1025	1.6		1050	1.5
	1657	0.8		1730	0.6
	2200	1.2		2356	1.3
10 WE	0404	0.6	**25** TH	0532	0.9
	1049	1.5		1107	1.3
	1731	0.8		1810	0.7
	2250	1.1			
11 TH	0436	0.8	**26** FR	0232	1.3
	1112	1.4		0813	1.1
	1812	0.8		1017	1.1
				1910	0.7
12 FR	0012	1.1	**27** SA	0444	1.4
	0515	1.0		2104	0.7
	1131	1.3			
	1908	0.7			
13 SA	0342	1.2	**28** SU	0547	1.5
	0656	1.1		1346	0.8
	1136	1.2		1656	0.9
	2032	0.7	◐	2235	0.7
14 SU	0520	1.3			
	2157	0.6			
15 MO	0559	1.5			
	1306	1.0			
	1621	1.0			
	2301	0.5			

MARCH

	Time	m		Time	m
1 MO	0623	1.6	**16** TU	0529	1.7
	1350	0.8		1253	0.8
	1754	1.0		1702	1.0
	2328	0.6	◑	2248	0.5
2 TU	0650	1.6	**17** WE	0608	1.8
	1359	0.8		1306	0.7
	1825	1.0		1753	1.1
				2342	0.4
3 WE	0005	0.6	**18** TH	0641	1.8
	0713	1.6		1325	0.6
	1406	0.8		1832	1.2
	1847	1.1			
4 TH	0035	0.5	**19** FR	0027	0.3
	0734	1.7		0712	1.9
	1414	0.8		1346	0.6
	1908	1.1		1908	1.3
5 FR	0102	0.5	**20** SA	0107	0.3
	0754	1.7		0742	1.9
	1424	0.8		1410	0.5
	1928	1.2		1944	1.4
6 SA	0127	0.4	**21** SU	0146	0.3
	0813	1.7		0810	1.8
	1438	0.8		1436	0.5
	1950	1.3		2022	1.5
7 SU	0152	0.4	**22** MO	0224	0.4
	0832	1.7		0838	1.8
	1455	0.8		1503	0.5
	2016	1.3	○	2101	1.5
8 MO	0219	0.5	**23** TU	0304	0.6
	0851	1.7		0905	1.6
	1515	0.7		1531	0.5
	2046	1.4		2144	1.5
9 TU	0247	0.6	**24** WE	0347	0.7
	0912	1.7		0929	1.5
	1537	0.7		1558	0.5
	2120	1.4		2234	1.5
10 WE	0320	0.7	**25** TH	0437	0.9
	0934	1.6		0945	1.3
	1603	0.7		1624	0.5
	2201	1.4		2344	1.4
11 TH	0356	0.8	**26** FR	0607	1.1
	0954	1.5		0933	1.1
	1633	0.6		1648	0.6
	2254	1.4			
12 FR	0441	1.0	**27** SA	0153	1.4
	1012	1.4		1710	0.7
	1708	0.6			
13 SA	0019	1.3	**28** SU	0341	1.5
	0556	1.1		1740	0.8
	1013	1.2			
	1757	0.7			
14 SU	0300	1.4	**29** MO	0451	1.5
	1926	0.7		1318	0.8
				1725	0.8
				2120	0.8
15 MO	0436	1.5	**30** TU	0533	1.5
	1308	0.9		1317	0.7
	1509	0.9		1750	0.9
	2127	0.6	◐	2241	0.7
			31 WE	0603	1.6
				1321	0.7
				1810	1.0
				2327	0.7

APRIL

	Time	m		Time	m
1 TH	0628	1.6	**16** FR	0610	1.8
	1325	0.7		1257	0.5
	1830	1.1		1829	1.2
2 FR	0000	0.6	**17** SA	0012	0.5
	0648	1.6		0639	1.7
	1331	0.7		1317	0.5
	1850	1.2		1905	1.4
3 SA	0030	0.6	**18** SU	0055	0.5
	0707	1.6		0706	1.7
	1342	0.7		1339	0.4
	1912	1.3		1942	1.5
4 SU	0058	0.6	**19** MO	0136	0.6
	0724	1.7		0732	1.6
	1355	0.6		1402	0.4
	1937	1.4		2019	1.6
5 MO	0127	0.6	**20** TU	0218	0.7
	0743	1.7		0758	1.5
	1412	0.6		1426	0.3
	2006	1.4		2059	1.6
6 TU	0159	0.7	**21** WE	0304	0.8
	0803	1.6		0822	1.4
	1431	0.5		1451	0.4
	2039	1.5	○	2143	1.6
7 WE	0234	0.7	**22** TH	0359	0.9
	0825	1.6		0842	1.2
	1455	0.5		1516	0.4
	2117	1.6		2234	1.6
8 TH	0316	0.8	**23** FR	0519	1.0
	0848	1.5		0850	1.1
	1524	0.4		1540	0.5
	2203	1.6		2339	1.5
9 FR	0406	0.9	**24** SA	1602	0.5
	0912	1.3			
	1557	0.4			
	2303	1.6			
10 SA	0521	1.1	**25** SU	0105	1.5
	0931	1.2		1623	0.6
	1636	0.5			
11 SU	0036	1.5	**26** MO	0229	1.5
	1730	0.5		1645	0.7
12 MO	0229	1.6	**27** TU	0340	1.5
	1906	0.6		1242	0.7
				1649	0.8
				1817	0.8
13 TU	0354	1.6	**28** WE	0431	1.5
	1201	0.8		1238	0.7
	1548	0.9		1722	0.9
	2105	0.6		2116	0.8
14 WE	0452	1.7	**29** TH	0507	1.5
	1216	0.7		1239	0.7
	1704	1.0		1747	1.0
◑	2228	0.6	◐	2228	0.8
15 TH	0535	1.8	**30** FR	0533	1.5
	1236	0.6		1243	0.7
	1751	1.1		1811	1.1
	2326	0.5		2315	0.8

55659

PAPUA NEW GUINEA - DOINI ISLAND

LAT 10° 42´ S LONG 150° 42´ E

TIME ZONE -1000

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

YEAR 2027

MAY

	Time	m		Time	m
1 SA	0555	1.5	**16** SU	0005	0.7
	1249	0.6		0604	1.5
	1836	1.2		1248	0.4
	2354	0.8		1912	1.4
2 SU	0613	1.5	**17** MO	0056	0.7
	1300	0.6		0632	1.4
	1900	1.3		1310	0.3
				1950	1.5
3 MO	0031	0.8	**18** TU	0146	0.8
	0632	1.5		0659	1.3
	1313	0.5		1333	0.3
	1927	1.4		2028	1.6
4 TU	0109	0.8	**19** WE	0238	0.9
	0654	1.5		0726	1.2
	1331	0.4		1358	0.3
	1958	1.5		2107	1.7
5 WE	0150	0.8	**20** TH ○	0336	0.9
	0718	1.5		0753	1.1
	1354	0.3		1424	0.3
	2034	1.6		2148	1.7
6 TH ●	0236	0.9	**21** FR	0443	0.9
	0746	1.4		0816	1.1
	1424	0.3		1451	0.3
	2117	1.7		2232	1.6
7 FR	0330	0.9	**22** SA	0608	0.9
	0818	1.3		0828	1.0
	1459	0.3		1517	0.4
	2208	1.7		2321	1.6
8 SA	0440	1.0	**23** SU	1544	0.5
	0854	1.2			
	1540	0.3			
	2313	1.7			
9 SU	0624	1.0	**24** MO	0016	1.5
	0933	1.0		1613	0.5
	1629	0.3			
10 MO	0033	1.7	**25** TU	0116	1.5
	0844	0.9		1647	0.6
	1036	0.9			
	1733	0.4			
11 TU	0156	1.7	**26** WE	0217	1.5
	1022	0.8		1229	0.8
	1327	0.8		1345	0.8
	1859	0.5		1732	0.7
12 WE	0311	1.7	**27** TH	0311	1.4
	1102	0.7		1200	0.7
	1529	0.9		1628	0.8
	2036	0.6		1856	0.8
13 TH ◑	0411	1.7	**28** FR ◐	0354	1.4
	1135	0.6		1156	0.7
	1650	1.0		1729	0.9
	2201	0.6		2049	0.9
14 FR	0457	1.6	**29** SA	0425	1.4
	1202	0.5		1158	0.6
	1746	1.1		1804	1.1
	2309	0.6		2221	0.9
15 SA	0534	1.6	**30** SU	0451	1.4
	1226	0.4		1205	0.6
	1832	1.3		1830	1.2
				2326	0.9
			31 MO	0515	1.4
				1217	0.5
				1855	1.3

JUNE

	Time	m		Time	m
1 TU	0019	1.0	**16** WE	0230	0.9
	0541	1.4		0643	1.1
	1234	0.4		1315	0.3
	1923	1.5		2038	1.7
2 WE	0109	1.0	**17** TH	0320	0.9
	0611	1.3		0718	1.1
	1257	0.3		1343	0.3
	1955	1.6		2110	1.7
3 TH	0159	0.9	**18** FR	0405	0.9
	0647	1.3		0751	1.0
	1328	0.2		1411	0.3
	2033	1.8		2142	1.7
4 FR	0252	0.9	**19** SA ○	0448	0.9
	0727	1.3		0821	1.0
	1405	0.2		1440	0.4
	2118	1.8		2215	1.7
5 SA ●	0351	0.9	**20** SU	0532	0.9
	0813	1.2		0847	1.0
	1449	0.1		1509	0.4
	2209	1.9		2250	1.6
6 SU	0457	0.9	**21** MO	0623	0.9
	0905	1.1		0902	1.0
	1537	0.2		1537	0.4
	2307	1.9		2326	1.6
7 MO	0611	0.8	**22** TU	0741	0.9
	1006	1.0		0850	0.9
	1630	0.2		1604	0.5
8 TU	0010	1.8	**23** WE	0005	1.5
	0733	0.8		1632	0.6
	1124	0.9			
	1730	0.4			
9 WE	0117	1.8	**24** TH	0045	1.5
	0855	0.7		1657	0.7
	1303	0.9			
	1838	0.5			
10 TH	0222	1.7	**25** FR	0127	1.5
	1001	0.6		1108	0.8
	1458	0.9		1424	0.8
	2000	0.6		1717	0.8
11 FR ◑	0322	1.6	**26** SA	0209	1.4
	1049	0.6		1058	0.8
	1639	1.1			
	2134	0.8			
12 SA	0414	1.5	**27** SU ◐	0250	1.4
	1126	0.5		1105	0.7
	1751	1.2		1821	1.1
	2306	0.8		2127	1.1
13 SU	0457	1.4	**28** MO	0330	1.3
	1155	0.4		1117	0.6
	1845	1.4		1837	1.3
				2333	1.1
14 MO	0025	0.9	**29** TU	0413	1.3
	0534	1.3		1136	0.5
	1222	0.4		1855	1.5
	1928	1.5			
15 TU	0132	0.9	**30** WE	0042	1.1
	0609	1.2		0459	1.2
	1248	0.3		1202	0.4
	2005	1.6		1920	1.6

JULY

	Time	m		Time	m
1 TH	0132	1.0	**16** FR	0321	0.9
	0548	1.2		0727	1.1
	1235	0.3		1334	0.4
	1951	1.8		2053	1.8
2 FR	0216	0.9	**17** SA	0345	0.9
	0639	1.2		0755	1.1
	1314	0.2		1402	0.4
	2028	1.9		2119	1.8
3 SA	0300	0.9	**18** SU	0407	0.9
	0729	1.2		0820	1.1
	1358	0.1		1428	0.4
	2110	2.0		2144	1.8
4 SU ●	0346	0.8	**19** MO ○	0430	0.9
	0820	1.2		0841	1.1
	1443	0.1		1454	0.4
	2155	2.0		2209	1.7
5 MO	0436	0.8	**20** TU	0457	1.0
	0912	1.2		0901	1.1
	1531	0.1		1518	0.5
	2243	2.0		2235	1.7
6 TU	0530	0.8	**21** WE	0527	1.0
	1006	1.2		0922	1.1
	1620	0.2		1541	0.6
	2334	1.9		2300	1.6
7 WE	0630	0.8	**22** TH	0603	1.0
	1108	1.1		0948	1.1
	1710	0.4		1603	0.7
				2325	1.6
8 TH	0026	1.8	**23** FR	0648	1.0
	0738	0.7		1029	1.0
	1229	1.0		1621	0.8
	1806	0.6		2348	1.5
9 FR	0122	1.6	**24** SA	0748	0.9
	0850	0.7		1205	1.0
	1435	1.1		1617	1.0
	1923	0.8			
10 SA	0222	1.5	**25** SU	0009	1.4
	0954	0.6		0854	0.9
	1642	1.2			
	2132	1.0			
11 SU ◑	0325	1.3	**26** MO	0025	1.3
	1046	0.6		0943	0.8
	1802	1.4		1832	1.3
	2356	1.0			
12 MO	0427	1.2	**27** TU ◐	1023	0.7
	1128	0.5		1829	1.5
	1853	1.6			
13 TU	0122	1.0	**28** WE	0112	1.2
	0524	1.1		0321	1.2
	1203	0.4		1102	0.6
	1930	1.7		1845	1.6
14 WE	0215	0.9	**29** TH	0125	1.1
	0613	1.1		0452	1.2
	1234	0.4		1142	0.5
	2001	1.7		1909	1.8
15 TH	0253	0.9	**30** FR	0146	1.0
	0653	1.1		0555	1.2
	1305	0.4		1224	0.3
	2028	1.8		1939	1.9
			31 SA	0213	0.9
				0646	1.3
				1306	0.2
				2013	2.0

AUGUST

	Time	m		Time	m
1 SU	0245	0.8	**16** MO	0316	0.9
	0733	1.3		0802	1.3
	1349	0.1		1406	0.5
	2050	2.1		2102	1.8
2 MO ●	0321	0.8	**17** TU ○	0333	1.0
	0817	1.4		0822	1.3
	1432	0.1		1428	0.5
	2128	2.1		2122	1.8
3 TU	0400	0.8	**18** WE	0352	1.0
	0902	1.4		0845	1.3
	1515	0.2		1451	0.6
	2208	2.0		2141	1.8
4 WE	0442	0.8	**19** TH	0412	1.0
	0950	1.4		0912	1.3
	1559	0.4		1513	0.7
	2247	1.9		2159	1.7
5 TH	0527	0.8	**20** FR	0435	1.0
	1044	1.3		0945	1.3
	1644	0.6		1536	0.8
	2327	1.7		2215	1.6
6 FR	0619	0.8	**21** SA	0501	0.9
	1159	1.2		1027	1.3
	1736	0.8		1558	1.0
				2227	1.5
7 SA	0008	1.5	**22** SU	0533	0.9
	0722	0.8		1140	1.2
	1429	1.3		1610	1.1
	1908	1.1		2226	1.4
8 SU	0057	1.3	**23** MO	0619	0.9
	0843	0.7		2104	1.4
	1645	1.4			
	2333	1.1			
9 MO ◑	0234	1.2	**24** TU	0743	0.9
	1002	0.7		1739	1.5
	1756	1.6			
10 TU	0108	1.0	**25** WE ◐	0932	0.8
	0433	1.1		1757	1.6
	1102	0.6			
	1838	1.7			
11 WE	0145	0.9	**26** TH	0135	1.1
	0544	1.1		0402	1.1
	1146	0.6		1040	0.7
	1910	1.8		1821	1.8
12 TH	0212	0.9	**27** FR	0121	1.0
	0626	1.1		0521	1.2
	1221	0.5		1130	0.5
	1937	1.8		1848	1.9
13 FR	0232	0.9	**28** SA	0131	0.9
	0656	1.2		0607	1.3
	1251	0.5		1214	0.4
	2000	1.8		1917	2.0
14 SA	0248	0.9	**29** SU	0152	0.8
	0720	1.2		0648	1.4
	1318	0.5		1255	0.3
	2022	1.8		1948	2.1
15 SU	0301	0.9	**30** MO	0217	0.8
	0741	1.2		0727	1.5
	1342	0.5		1335	0.3
	2042	1.8		2020	2.1
			31 TU	0247	0.7
				0807	1.5
				1415	0.3
				2052	2.1

55659

PAPUA NEW GUINEA - DOINI ISLAND

LAT 10° 42′ S LONG 150° 42′ E

TIME ZONE -1000

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

YEAR 2027

SEPTEMBER

	Time	m		Time	m
1 WE ●	0319 0.7 0849 1.6 1455 0.4 2124 2.0		**16** TH ○	0256 0.9 0832 1.5 1426 0.8 2046 1.7
2 TH	0352 0.7 0934 1.5 1537 0.6 2156 1.8		**17** FR	0314 0.8 0902 1.5 1453 0.9 2101 1.7
3 FR	0427 0.7 1026 1.5 1623 0.8 2224 1.6		**18** SA	0335 0.8 0938 1.5 1524 1.0 2114 1.6
4 SA	0505 0.7 1140 1.4 1724 1.1 2244 1.4		**19** SU	0359 0.8 1025 1.5 1602 1.2 2119 1.5
5 SU	0547 0.8 1423 1.4		**20** MO	0429 0.8 1141 1.4 1702 1.3 2046 1.4
6 MO	0655 0.8 1622 1.6		**21** TU	0509 0.8 1515 1.5
7 TU	0135 1.0 0245 1.0 0901 0.8 1726 1.7		**22** WE	0626 0.8 1632 1.6
8 WE ◑	0110 0.9 0506 1.0 1030 0.8 1806 1.8		**23** TH ◐	0854 0.8 1714 1.7
9 TH	0125 0.9 0554 1.1 1122 0.7 1836 1.8		**24** FR	0049 0.9 0443 1.1 1021 0.7 1748 1.8
10 FR	0141 0.8 0621 1.2 1158 0.7 1901 1.8		**25** SA	0050 0.9 0530 1.2 1115 0.6 1818 1.9
11 SA	0154 0.8 0642 1.2 1226 0.6 1921 1.8		**26** SU	0104 0.8 0607 1.3 1159 0.5 1847 2.0
12 SU	0203 0.9 0701 1.3 1251 0.6 1940 1.8		**27** MO	0122 0.7 0643 1.4 1240 0.4 1915 2.0
13 MO	0213 0.9 0721 1.3 1315 0.6 1957 1.8		**28** TU	0145 0.6 0720 1.5 1319 0.5 1943 2.0
14 TU	0226 0.9 0742 1.4 1337 0.6 2013 1.8		**29** WE	0210 0.6 0758 1.6 1359 0.5 2012 1.9
15 WE	0241 0.9 0805 1.4 1401 0.7 2030 1.8		**30** TH ●	0237 0.5 0839 1.7 1441 0.7 2039 1.7

OCTOBER

	Time	m		Time	m
1 FR	0306 0.5 0924 1.7 1527 0.9 2104 1.6		**16** SA	0228 0.6 0856 1.6 1449 1.0 2010 1.5
2 SA	0335 0.6 1016 1.6 1624 1.0 2123 1.4		**17** SU	0252 0.6 0936 1.6 1534 1.1 2025 1.4
3 SU	0404 0.6 1133 1.6 1835 1.2 2106 1.2		**18** MO	0321 0.6 1030 1.6 1641 1.2 2030 1.3
4 MO	0431 0.7 1349 1.6		**19** TU	0357 0.6 1156 1.6
5 TU	0458 0.8 1530 1.6		**20** WE	0445 0.6 1404 1.6
6 WE	0055 0.9 0338 0.9 0600 0.9 1637 1.7		**21** TH	0611 0.7 1530 1.7
7 TH ◑	0041 0.8 0524 1.0 0931 0.9 1720 1.7		**22** FR	0001 0.9 0313 0.9 0823 0.7 1627 1.7
8 FR	0051 0.8 0545 1.1 1039 0.8 1751 1.7		**23** SA ◐	0000 0.8 0436 1.0 0953 0.7 1709 1.8
9 SA	0102 0.8 0604 1.1 1119 0.8 1814 1.7		**24** SU	0014 0.7 0524 1.2 1055 0.6 1743 1.8
10 SU	0111 0.8 0623 1.2 1151 0.7 1834 1.7		**25** MO	0032 0.6 0604 1.3 1144 0.6 1812 1.8
11 MO	0118 0.8 0643 1.3 1218 0.7 1851 1.7		**26** TU	0051 0.5 0641 1.4 1228 0.6 1839 1.7
12 TU	0128 0.8 0705 1.3 1245 0.8 1906 1.7		**27** WE	0112 0.5 0718 1.5 1311 0.7 1905 1.7
13 WE	0140 0.7 0728 1.4 1311 0.8 1921 1.7		**28** TH	0136 0.4 0757 1.6 1356 0.8 1932 1.6
14 TH	0153 0.7 0753 1.5 1340 0.9 1936 1.6		**29** FR ●	0201 0.4 0838 1.7 1445 0.9 1958 1.4
15 FR ○	0208 0.6 0822 1.6 1412 0.9 1953 1.6		**30** SA	0228 0.4 0923 1.7 1543 1.0 2021 1.3
			31 SU	0255 0.4 1016 1.7 1712 1.1 2031 1.1

NOVEMBER

	Time	m		Time	m
1 MO	0322 0.5 1124 1.6		**16** TU	0307 0.3 1038 1.7 1742 1.1 2039 1.1
2 TU	0348 0.6 1254 1.6		**17** WE	0354 0.4 1152 1.7
3 WE	0411 0.7 1419 1.6		**18** TH	0452 0.5 1316 1.7 2226 0.9 2356 0.9
4 TH	0042 0.8 0155 0.8 0432 0.8 1529 1.5		**19** FR	0610 0.5 1434 1.7 2242 0.8
5 FR ◑	0016 0.7 0520 0.9 0912 0.9 1652 1.6		**20** SA	0235 0.9 0746 0.6 1536 1.7 2310 0.6
6 SA	0023 0.7 0543 1.0 1018 0.9 1718 1.6		**21** SU ◐	0413 1.0 0916 0.7 1624 1.7 2336 0.5
7 SU	0056 0.6 0720 1.4 1255 0.9 1828 1.5		**22** MO	0518 1.1 1032 0.7 1703 1.6
8 MO	0029 0.7 0608 1.1 1105 0.9 1738 1.5		**23** TU	0000 0.5 0607 1.3 1135 0.7 1735 1.5
9 TU	0035 0.6 0632 1.2 1144 0.9 1755 1.5		**24** WE	0022 0.4 0650 1.4 1231 0.8 1805 1.4
10 WE	0045 0.6 0656 1.3 1220 0.9 1811 1.5		**25** TH	0045 0.3 0729 1.6 1324 0.8 1834 1.4
11 TH	0056 0.6 0720 1.4 1255 0.9 1828 1.5		**26** FR	0110 0.3 0808 1.7 1418 0.9 1903 1.3
12 FR	0111 0.5 0747 1.5 1333 1.0 1848 1.4		**27** SA	0137 0.3 0848 1.7 1516 0.9 1933 1.2
13 SA	0130 0.4 0817 1.6 1414 1.0 1911 1.4		**28** SU ●	0205 0.3 0929 1.7 1621 0.9 2001 1.1
14 SU ○	0156 0.4 0855 1.7 1503 1.0 1938 1.3		**29** MO	0235 0.3 1013 1.7 1740 0.9 2021 1.0
15 MO	0228 0.3 0940 1.7 1606 1.1 2009 1.2		**30** TU	0305 0.4 1101 1.6

DECEMBER

	Time	m		Time	m
1 WE	0334 0.5 1155 1.6		**16** TH	0358 0.2 1130 1.8 1836 0.9 2228 1.0
2 TH	0405 0.5 1253 1.5		**17** FR	0452 0.3 1232 1.7 1958 0.8 2354 0.9
3 FR	0436 0.6 1354 1.5		**18** SA	0553 0.4 1336 1.7 2114 0.7
4 SA	0511 0.7 1448 1.4 2346 0.7		**19** SU	0148 0.9 0706 0.6 1437 1.6 2211 0.6
5 SU	0424 0.8 0611 0.8 1531 1.4 2343 0.7		**20** MO ◐	0350 1.0 0838 0.7 1533 1.5 2253 0.5
6 MO ◑	0535 0.9 0811 0.9 1603 1.4 2345 0.6		**21** TU	0519 1.2 1023 0.8 1622 1.4 2328 0.4
7 TU	0609 1.1 1002 1.0 1629 1.4 2352 0.6		**22** WE	0620 1.3 1155 0.9 1705 1.3 2358 0.3
8 WE	0635 1.2 1116 1.0 1652 1.3		**23** TH	0706 1.5 1309 0.9 1745 1.2
9 TH	0003 0.5 0656 1.3 1211 1.0 1715 1.3		**24** FR	0027 0.3 0744 1.6 1408 0.9 1823 1.1
10 FR	0017 0.4 0718 1.4 1258 1.0 1742 1.3		**25** SA	0056 0.3 0818 1.7 1456 0.9 1901 1.1
11 SA	0037 0.3 0743 1.6 1343 1.0 1815 1.3		**26** SU	0127 0.2 0850 1.7 1537 0.8 1937 1.0
12 SU	0105 0.3 0815 1.7 1429 1.0 1854 1.2		**27** MO	0158 0.2 0922 1.7 1615 0.9 2010 1.0
13 MO	0140 0.2 0854 1.8 1520 0.9 1938 1.2		**28** TU ●	0229 0.3 0955 1.7 1652 0.9 2039 1.0
14 TU ○	0221 0.1 0940 1.8 1617 0.9 2027 1.1		**29** WE	0259 0.3 1028 1.6 1733 0.9 2102 1.0
15 WE	0308 0.1 1032 1.8 1722 0.9 2122 1.1		**30** TH	0327 0.4 1102 1.6 1821 0.9 2117 1.0
			31 FR	0354 0.4 1137 1.5 1933 0.9 2116 0.9

55659

PAPUA NEW GUINEA - WASU

LAT 5° 57′ S LONG 147° 11′ E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -1000 YEAR 2027

JANUARY

	Time	m		Time	m
1 FR	1404 2209	1.0 0.2	16 SA ◑	0534 0741 1305 2059	0.8 0.8 1.0 0.3
2 SA	0653 0844 1359 2241	0.8 0.8 1.0 0.2	17 SU	0549 0833 1316 2121	0.9 0.9 1.1 0.2
3 SU	0755 0942 1346 2311	0.9 0.9 1.0 0.1	18 MO	0641 0900 1338 2153	1.0 1.0 1.1 0.1
4 MO	0905 1002 1312 2338	1.0 1.0 1.0 0.1	19 TU	0826 0839 1404 2232	1.0 1.0 1.1 0.0
5 TU	1258	1.0	20 WE	1432 2315	1.2 0.0
6 WE	0001 1327	0.1 1.1	21 TH	1457	1.2
7 TH	0020 1402	0.1 1.1	22 FR ○	0000 1512	0.0 1.1
8 FR ●	0036 1435	0.2 1.2	23 SA	0045 1504	0.1 1.1
9 SA	0050 1503	0.2 1.2	24 SU	0128 1440	0.2 1.0
10 SU	0100 1522	0.2 1.1	25 MO	0207 1316	0.3 0.9
11 MO	0110 1524	0.3 1.1	26 TU	0240 1251 2023 2138	0.4 0.9 0.6 0.6
12 TU	0120 1445	0.4 1.0	27 WE	0257 1256 2017	0.5 0.9 0.5
13 WE	0121 1352	0.5 1.0	28 TH	1309 2041	0.9 0.3
14 TH	0027 1328 2134	0.6 1.0 0.6	29 FR ◐	0447 0805 1324 2109	0.8 0.8 0.9 0.2
15 FR	1312 2057	1.0 0.4	30 SA	0515 0915 1340 2139	0.9 0.8 0.9 0.2
			31 SU	0549 1007 1352 2208	0.9 0.8 0.9 0.1

FEBRUARY

	Time	m		Time	m
1 MO	0629 1040 1356 2235	1.0 0.9 0.9 0.1	16 TU	0541 0929 1320 2135	1.0 1.0 1.1 0.1
2 TU	0718 1039 1348 2259	1.0 0.9 0.9 0.1	17 WE	0629 0938 1405 2216	1.0 1.0 1.1 0.0
3 WE	0836 0951 1338 2318	1.0 0.9 1.0 0.1	18 TH	0721 0945 1447 2257	1.0 0.9 1.1 0.1
4 TH	1349 2332	1.1 0.2	19 FR	0811 1001 1526 2334	0.9 0.9 1.1 0.1
5 FR	1411 2341	1.1 0.2	20 SA	0850 1029 1559	0.9 0.9 1.0
6 SA	1436 2344	1.1 0.3	21 SU ○	0006 0916 1111 1618	0.2 0.8 0.8 0.9
7 SU ●	1459 2347	1.1 0.3	22 MO	0030 0929 1210 1522	0.3 0.8 0.8 0.8
8 MO	1518 2351	1.0 0.4	23 TU	0037 0915 2344	0.5 0.7 0.6
9 TU	1523 2348	1.0 0.5	24 WE	0842 1908	0.7 0.5
10 WE	1341 2255	0.9 0.6	25 TH	0426 1933	0.8 0.4
11 TH	1133 2029	0.9 0.6	26 FR	0354 2001	0.9 0.3
12 FR	0442 0659 1105 1951	0.8 0.8 0.9 0.5	27 SA	0402 0948 1238 2030	1.0 0.8 0.8 0.2
13 SA	0425 0804 1122 1955	0.9 0.9 0.9 0.3	28 SU ◐	0422 1004 1318 2059	1.0 0.8 0.8 0.2
14 SU	0435 0844 1155 2020	1.0 0.9 1.0 0.2			
15 MO	0502 0912 1236 2055	1.0 0.9 1.0 0.1			

MARCH

	Time	m		Time	m
1 MO	0447 1021 1338 2126	1.0 0.8 0.8 0.2	16 TU ◑	0425 0928 1210 2032	1.1 0.9 1.0 0.1
2 TU	0516 1028 1345 2150	1.0 0.8 0.9 0.2	17 WE	0453 0938 1317 2114	1.1 0.9 1.0 0.1
3 WE	0550 1012 1339 2211	1.0 0.9 0.9 0.2	18 TH	0521 0950 1414 2151	1.0 0.9 1.0 0.1
4 TH	0630 0939 1331 2227	0.9 0.9 1.0 0.2	19 FR	0545 1008 1504 2224	0.9 0.8 1.0 0.2
5 FR	0728 0837 1339 2235	0.9 0.9 1.0 0.3	20 SA	0559 1034 1550 2250	0.9 0.7 0.9 0.3
6 SA	1359 2236	1.0 0.3	21 SU	0555 1107 1637 2307	0.8 0.7 0.8 0.4
7 SU	1426 2232	1.0 0.4	22 MO ○	0539 1145 1734 2302	0.8 0.6 0.7 0.6
8 MO ●	0653 0943 1457 2231	0.8 0.8 0.9 0.5	23 TU	0521 1234	0.8 0.5
9 TU	0622 1102 1530 2221	0.8 0.7 0.8 0.6	24 WE	0420 1657	0.8 0.5
10 WE	0606 1229 1603 2102	0.8 0.7 0.7 0.6	25 TH	0322 1757	0.9 0.4
11 TH	0434 1515 1618 1832	0.8 0.6 0.6 0.6	26 FR	0305 1837	1.0 0.3
12 FR	0334 1744	0.9 0.5	27 SA	0305 1911	1.0 0.3
13 SA	0330 1821	1.0 0.4	28 SU	0318 1942	1.1 0.2
14 SU	0339 1904	1.1 0.3	29 MO	0336 2010	1.1 0.2
15 MO	0359 0924 1052 1949	1.1 0.9 0.9 0.2	30 TU ◐	0357 1037 1207 2036	1.1 0.8 0.8 0.2
			31 WE	0419 1037 1224 2058	1.0 0.8 0.8 0.2

APRIL

	Time	m		Time	m
1 TH	0440 1016 1227 2116	1.0 0.8 0.8 0.3	16 FR	0420 0958 1428 2115	1.0 0.7 0.9 0.3
2 FR	0455 0949 1243 2127	1.0 0.8 0.9 0.3	17 SA	0426 1022 1528 2139	1.0 0.6 0.8 0.4
3 SA	0503 0944 1315 2127	0.9 0.8 0.9 0.4	18 SU	0420 1051 1629 2152	0.9 0.5 0.8 0.5
4 SU	0459 0959 1359 2119	0.9 0.7 0.8 0.5	19 MO	0407 1124 1747 2133	0.9 0.4 0.7 0.6
5 MO	0445 1031 1456 2112	0.9 0.7 0.8 0.6	20 TU	0349 1201	0.9 0.4
6 TU	0433 1113 1617 2048	0.9 0.6 0.7 0.7	21 WE ○	0302 1248	0.9 0.3
7 WE ●	0417 1201	0.9 0.5	22 TH	0228 1412	1.0 0.3
8 TH	0328 1258	1.0 0.4	23 FR	0220 1621	1.0 0.3
9 FR	0248 1412	1.0 0.4	24 SA	0223 1721	1.1 0.3
10 SA	0246 1547	1.1 0.3	25 SU	0233 1804	1.1 0.3
11 SU	0256 1716	1.2 0.2	26 MO	0249 1838	1.1 0.2
12 MO	0311 1825	1.2 0.2	27 TU	0306 1908	1.1 0.3
13 TU	0329 1920	1.2 0.2	28 WE	0322 1933	1.1 0.3
14 WE ◑	0348 0930 1156 2005	1.1 0.9 0.9 0.2	29 TH ◐	0336 1955	1.1 0.3
15 TH	0406 0940 1320 2043	1.1 0.8 0.9 0.2	30 FR	0347 2009	1.0 0.4

56010

PAPUA NEW GUINEA - WASU

LAT 5° 57′ S LONG 147° 11′ E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -1000 YEAR 2027

MAY

	Time	m		Time	m
1 SA	0352 2011	1.0 0.5	**16** SU	0316 1032 1626 2045	1.0 0.4 0.7 0.6
2 SU	0350 1027 1439 2000	1.0 0.7 0.7 0.6	**17** MO	0305 1105 1851 1939	1.0 0.3 0.7 0.7
3 MO	0340 1034 1628 1948	1.0 0.6 0.7 0.7	**18** TU	0250 1140	1.0 0.2
4 TU	0330 1056	1.0 0.5	**19** WE	0216 1217	1.0 0.2
5 WE	0322 1127	1.0 0.3	**20** TH ○	0142 1259	1.0 0.2
6 TH ●	0302 1206	1.1 0.3	**21** FR	0140 1347	1.1 0.2
7 FR	0227 1253	1.1 0.2	**22** SA	0153 1441	1.1 0.2
8 SA	0218 1354	1.2 0.2	**23** SU	0211 1534	1.1 0.2
9 SU	0226 1512	1.2 0.2	**24** MO	0230 1621	1.1 0.2
10 MO	0237 1637	1.2 0.2	**25** TU	0245 1701	1.1 0.3
11 TU	0247 1749	1.2 0.2	**26** WE	0255 1736	1.1 0.3
12 WE	0257 1844	1.2 0.2	**27** TH	0259 1803	1.1 0.4
13 TH ◑	0307 0923 1154 1927	1.1 0.7 0.8 0.3	**28** FR ◐	0259 1822	1.1 0.5
14 FR	0316 0938 1339 2003	1.1 0.6 0.8 0.4	**29** SA	0300 1825	1.1 0.5
15 SA	0321 1002 1505 2030	1.0 0.5 0.7 0.5	**30** SU	0257 1054 1607 1819	1.1 0.6 0.6 0.6
			31 MO	0249 1020	1.0 0.5

JUNE

	Time	m		Time	m
1 TU	0240 1026	1.1 0.4	**16** WE	0154 1140	1.0 0.1
2 WE	0239 1047	1.1 0.2	**17** TH	0115 1213	1.0 0.1
3 TH	0239 1118	1.1 0.2	**18** FR	0108 1244	1.1 0.1
4 FR	0232 1158	1.1 0.1	**19** SA ○	0133 1313	1.1 0.1
5 SA ●	0220 1245	1.2 0.1	**20** SU	0206 1340	1.1 0.2
6 SU	0220 1343	1.2 0.1	**21** MO	0237 1404	1.1 0.2
7 MO	0224 1451	1.2 0.1	**22** TU	0301 1424	1.1 0.3
8 TU	0223 1602	1.2 0.2	**23** WE	0310 1434	1.1 0.3
9 WE	0218 1705	1.2 0.2	**24** TH	0257 1433	1.1 0.4
10 TH	0217 1758	1.1 0.3	**25** FR	0234 1415	1.1 0.5
11 FR ◑	0222 0908 1225 1842	1.1 0.6 0.7 0.4	**26** SA	0218 1240	1.0 0.5
12 SA	0226 0928 1446 1920	1.0 0.5 0.7 0.6	**27** SU ◐	0209 1024	1.0 0.5
13 SU	0225 0958 1634 1950	1.0 0.3 0.7 0.7	**28** MO	0158 0945	1.0 0.4
14 MO	0218 1030	1.0 0.2	**29** TU	0150 0942	1.1 0.3
15 TU	0210 1105	1.0 0.2	**30** WE	0154 1000	1.1 0.2

JULY

	Time	m		Time	m
1 TH	0207 1028	1.1 0.1	**16** FR	0126 1147	1.0 0.1
2 FR	0222 1105	1.2 0.1	**17** SA	0131 1210	1.0 0.1
3 SA	0236 1148	1.2 0.0	**18** SU	0158 1227	1.1 0.2
4 SU ●	0243 1236	1.2 0.0	**19** MO ○	0227 1238	1.1 0.2
5 MO	0244 1328	1.2 0.1	**20** TU	0253 1240	1.1 0.2
6 TU	0238 1422	1.1 0.2	**21** WE	0313 1236	1.1 0.3
7 WE	0208 1516	1.1 0.2	**22** TH	0320 1234	1.1 0.4
8 TH	0134 1608	1.0 0.4	**23** FR	0252 1223	1.0 0.5
9 FR	0126 0831 1051 1702	1.0 0.6 0.6 0.5	**24** SA	0147 1126	1.0 0.5
10 SA	0129 0842 1450 1809	1.0 0.5 0.7 0.6	**25** SU	0112 0931	0.9 0.5
11 SU ◑	0134 0909 1642 1938	1.0 0.3 0.8 0.7	**26** MO	0051 0852 1739 1959	1.0 0.4 0.9 0.9
12 MO	0137 0940 1756 2054	1.0 0.2 0.8 0.8	**27** TU ◐	0043 0847 1741 2041	1.0 0.3 0.9 0.9
13 TU	0142 1014 1853 2153	0.9 0.1 0.9 0.9	**28** WE	0056 0904 1809 2104	1.0 0.2 1.0 1.0
14 WE	0149 1047 1949 2230	0.9 0.1 1.0 0.9	**29** TH	0121 0933 1909 2104	1.1 0.1 1.0 1.0
15 TH	0147 1119 2101 2220	1.0 0.1 1.0 1.0	**30** FR	0150 1010	1.1 0.1
			31 SA	0222 1051	1.2 0.0

AUGUST

	Time	m		Time	m
1 SU	0253 1133	1.2 0.0	**16** MO	0202 1129	1.0 0.2
2 MO ●	0319 1215	1.1 0.1	**17** TU ○	0222 1124	1.0 0.3
3 TU	0331 1255	1.1 0.2	**18** WE	0245 1114	1.0 0.4
4 WE	0312 1331	1.0 0.3	**19** TH	0306 1108	1.0 0.4
5 TH	0142 1401 2354	0.9 0.4 0.8	**20** FR	0320 1056	0.9 0.5
6 FR	0742 0925 1404 2356	0.6 0.6 0.6 0.8	**21** SA	0246 0956 2136	0.8 0.6 0.8
7 SA	0742 1705 1734	0.5 0.7 0.7	**22** SU	0821 1627 1957 2151	0.6 0.9 0.8 0.8
8 SU	0006 0808 1612 2006	0.8 0.3 0.8 0.8	**23** MO	0738 1618 2030 2232	0.5 0.9 0.9 0.9
9 MO ◑	0033 0839 1637 2110	0.8 0.2 0.9 0.8	**24** TU	0736 1623 2052 2319	0.4 1.0 0.9 0.9
10 TU	0110 0912 1709 2155	0.9 0.2 1.0 0.8	**25** WE ◐	0758 1641 2109	0.3 1.0 0.9
11 WE	0142 0944 1745 2227	0.9 0.1 1.0 0.8	**26** TH	0008 0832 1710 2120	1.0 0.2 1.0 1.0
12 TH	0203 1015 1827 2238	0.9 0.1 1.0 0.9	**27** FR	0057 0910 1748 2126	1.0 0.1 1.0 1.0
13 FR	0212 1043 1922 2219	0.9 0.1 0.9 0.9	**28** SA	0145 0950 1829 2135	1.1 0.1 1.0 0.9
14 SA	0205 1106	1.0 0.1	**29** SU	0230 1029 1907 2155	1.1 0.1 0.9 0.9
15 SU	0153 1122	1.0 0.2	**30** MO	0314 1106 1936 2229	1.1 0.1 0.9 0.8
			31 TU	0356 1138 1949 2313	1.0 0.2 0.8 0.8

56010

PAPUA NEW GUINEA - WASU

LAT 5° 57′ S LONG 147° 11′ E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -1000 YEAR 2027

SEPTEMBER

	Time	m		Time	m		Time	m		Time	m
1 WE ●	0438	0.9	**16** TH ○	0242	0.9	**1** FR	0023	0.5	**16** SA	1500	1.0
	1202	0.4		0943	0.5		1607	0.9			
	1933	0.8		1715	0.8						
				2305	0.7						
2 TH	0009	0.7	**17** FR	0320	0.8	**2** SA	0131	0.4	**17** SU	0036	0.4
	0529	0.8		0922	0.6		1505	0.9		1439	1.1
	1213	0.5		1644	0.8						
	1913	0.8									
3 FR	0142	0.6	**18** SA	0012	0.6	**3** SU	0441	0.4	**18** MO	0135	0.3
	0305	0.6		0405	0.7		1444	1.0		1441	1.1
	0517	0.6		0810	0.6						
	0831	0.6		1549	0.9						
	1130	0.6									
	1854	0.8									
4 SA	0611	0.5	**19** SU	0148	0.6	**4** MO	0550	0.3	**19** TU	0254	0.3
	1559	0.8		1523	1.0		1443	1.0		1451	1.2
5 SU	0651	0.4	**20** MO	0421	0.5	**5** TU	0636	0.2	**20** WE	0424	0.3
	1527	0.9		1522	1.0		1455	1.1		1504	1.2
6 MO	0727	0.3	**21** TU	0538	0.4	**6** WE	0715	0.2	**21** TH	0542	0.2
	1533	1.0		1530	1.1		1513	1.1		1517	1.2
7 TU	0802	0.2	**22** WE	0631	0.3	**7** TH ◑	0748	0.2	**22** FR	0643	0.2
	1552	1.0		1544	1.1		1534	1.1		1530	1.1
	2152	0.7					2221	0.7		2137	0.9
							2358	0.7		2258	0.9
8 WE ◑	0045	0.8	**23** TH ◐	0718	0.2	**8** FR	0818	0.2	**23** SA ◐	0732	0.2
	0835	0.2		1604	1.1		1557	1.0		1544	1.1
	1617	1.0		2126	0.9		2234	0.8		2133	0.8
	2204	0.8		2327	0.9						
9 TH	0128	0.8	**24** FR	0803	0.2	**9** SA	0034	0.8	**24** SU	0041	0.9
	0906	0.1		1627	1.1		0843	0.2		0813	0.2
	1645	1.0		2128	0.9		1617	1.0		1555	1.1
	2218	0.8					2251	0.8		2147	0.7
10 FR	0149	0.8	**25** SA	0043	1.0	**10** SU	0042	0.8	**25** MO	0206	0.9
	0934	0.1		0845	0.1		0902	0.3		0847	0.3
	1715	1.0		1650	1.0		1633	1.0		1558	1.0
	2221	0.8		2139	0.9		2236	0.8		2210	0.6
11 SA	0155	0.9	**26** SU	0148	1.0	**11** MO	0031	0.8	**26** TU	0317	0.8
	0957	0.2		0923	0.2		0913	0.4		0914	0.4
	1747	0.9		1708	1.0		1639	0.9		1552	1.0
	2203	0.8		2157	0.8		2215	0.8		2238	0.5
12 SU	0145	0.9	**27** MO	0246	1.0	**12** TU	0054	0.8	**27** WE	0425	0.8
	1014	0.2		0957	0.2		0904	0.5		0932	0.6
	1815	0.9		1717	0.9		1633	0.9		1543	0.9
	2139	0.8		2224	0.7		2219	0.7		2311	0.4
13 MO	0133	0.9	**28** TU	0340	0.9	**13** WE	0145	0.7	**28** TH	0550	0.7
	1022	0.3		1025	0.3		0833	0.5		0926	0.7
	1830	0.8		1713	0.9		1614	0.9		1532	0.9
	2119	0.8		2258	0.6		2239	0.6		2348	0.3
14 TU	0144	0.9	**29** WE	0436	0.8	**14** TH	0258	0.7	**29** FR ●	1501	1.0
	1015	0.4		1044	0.5		0813	0.6			
	1815	0.8		1703	0.8		1555	0.9			
	2128	0.8		2337	0.5		2310	0.5			
15 WE	0210	0.9	**30** TH ●	0545	0.8	**15** FR ○	0447	0.7	**30** SA	0032	0.3
	0955	0.4		1045	0.6		0727	0.7		1419	1.0
	1741	0.8		1652	0.8		1534	0.9			
	2209	0.7					2348	0.5			

OCTOBER

	Time	m		Time	m		Time	m		Time	m
1 MO	0307	0.2	**16** TU	0122	0.2	**1** WE	0307	0.2	**16** TH	0210	0.1
	1408	1.1		1429	1.2		1421	1.1		1436	1.2
2 TU	0432	0.2	**17** WE	0229	0.2	**2** TH	0353	0.2	**17** FR	0316	0.2
	1416	1.1		1440	1.2		1434	1.1		1420	1.1
3 WE	0529	0.2	**18** TH	0347	0.2	**3** FR	0434	0.3	**18** SA	0420	0.2
	1431	1.1		1445	1.2		1441	1.1		1406	1.1
4 TH	0612	0.2	**19** FR	0502	0.2	**4** SA	0508	0.3	**19** SU	0517	0.3
	1448	1.1		1447	1.2		1445	1.1		1403	1.1
										2055	0.6
										2346	0.7
5 FR	0647	0.3	**20** SA	0604	0.2	**5** SU	0534	0.4	**20** MO ◐	0608	0.5
	1505	1.1		1451	1.1		1446	1.1		1404	1.0
				2126	0.8					2108	0.5
				2259	0.8						
6 SA ◑	0715	0.3	**21** SU ◐	0653	0.3	**6** MO ◑	0533	0.5	**21** TU	0234	0.7
	1519	1.1		1456	1.1		1446	1.1		0654	0.6
				2126	0.6					1401	1.0
										2133	0.3
7 SU	0739	0.4	**22** MO	0109	0.7	**7** TU	0028	0.5	**22** WE	0419	0.7
	1530	1.1		0733	0.4		1443	1.0		0738	0.7
				1458	1.1		2306	0.5		1355	1.0
				2146	0.5					2204	0.2
8 MO	0753	0.4	**23** TU	0253	0.7	**8** WE	1434	1.0	**23** TH	0620	0.8
	1535	1.0		0805	0.5		2229	0.4		0816	0.8
				1453	1.0					1355	1.0
				2212	0.4					2239	0.1
9 TU	0739	0.5	**24** WE	0419	0.7	**9** TH	1422	1.0	**24** FR	1356	1.0
	1532	1.0		0827	0.6		2223	0.3		2315	0.1
	2309	0.6		1444	1.0						
				2244	0.3						
10 WE	0356	0.6	**25** TH	0617	0.8	**10** FR	1419	1.1	**25** SA	1342	1.0
	0654	0.6		0816	0.8		2238	0.2		2352	0.1
	1519	1.0		1437	1.0						
	2245	0.5		2318	0.2						
11 TH	1504	1.0	**26** FR	1420	1.0	**11** SA	1422	1.1	**26** SU	1320	1.0
	2254	0.4		2356	0.2		2304	0.2			
12 FR	1453	1.0	**27** SA	1344	1.0	**12** SU	1426	1.2	**27** MO	0027	0.1
	2317	0.3					2339	0.1		1334	1.1
13 SA	1440	1.1	**28** SU ●	0038	0.1	**13** MO	1427	1.2	**28** TU ●	0059	0.1
	2350	0.2		1334	1.1					1403	1.1
14 SU ○	1423	1.1	**29** MO	0125	0.1	**14** TU ○	0021	0.1	**29** WE	0127	0.1
				1345	1.1		1432	1.2		1433	1.1
15 MO	0031	0.2	**30** TU	0216	0.2	**15** WE	0112	0.1	**30** TH	0150	0.2
	1420	1.2		1403	1.1		1438	1.2		1455	1.1
31 SU	0131	0.2							**31** FR	0203	0.3
	1407	1.1								1504	1.1

NOVEMBER

	Time	m		Time	m		Time	m		Time	m
1 SU	0534	0.4	**16** MO ◐	0608	0.5	**1** TU	0647	0.3	**16** WE	0604	0.2
	1446	1.1		1404	1.0		1505	1.1		1451	1.1
				2108	0.5					2126	0.8
										2259	0.8
2 MO ◑	0533	0.5	**21** TU	0234	0.7	**2** WE	0715	0.3	**17** TH	0653	0.3
	1446	1.1		0654	0.6		1519	1.1		1456	1.1
				1401	1.0					2126	0.6
				2133	0.3						
3 TU	0028	0.5	**22** WE	0419	0.7	**3** TH	0739	0.4	**18** FR	0109	0.7
	1443	1.0		0738	0.7		1530	1.1		0733	0.4
	2306	0.5		1355	1.0					1458	1.1
				2204	0.2					2146	0.5
4 WE	1434	1.0	**23** TH	0620	0.8	**4** FR	0753	0.4	**19** SA	0253	0.7
	2229	0.4		0816	0.8		1535	1.0		0805	0.5
				1355	1.0					1453	1.0
				2239	0.1					2212	0.4
5 TH	1422	1.0	**24** FR	1356	1.0	**5** SA	0739	0.5	**20** SU	0419	0.7
	2223	0.3		2315	0.1		1532	1.0		0827	0.6
							2309	0.6		1444	1.0
										2244	0.3
6 FR	1419	1.1	**25** SA	1342	1.0	**6** SU	0617	0.8	**21** MO	0617	0.8
	2238	0.2		2352	0.1		0356	0.6		0816	0.8
							0654	0.6		1437	1.0
							1519	1.0		2318	0.2
							2245	0.5			
7 SA	1422	1.1	**26** SU	1320	1.0	**7** MO	1504	1.0	**22** TU	1420	1.0
	2304	0.2					2254	0.4		2356	0.2
8 SU	1426	1.2	**27** MO	0027	0.1	**8** TU	1453	1.0	**23** WE	1344	1.0
	2339	0.1		1334	1.1		2317	0.3			
9 MO	1427	1.2	**28** TU ●	0059	0.1	**9** WE	1440	1.1	**24** TH	0038	0.1
				1403	1.1		2350	0.2		1334	1.1
10 TU ○	0021	0.1	**29** WE	0127	0.1	**10** TH ○	0021	0.1	**25** FR	0127	0.1
	1432	1.2		1433	1.1		1432	1.2		1433	1.1
11 WE	0112	0.1	**30** TH	0150	0.2	**11** FR	0112	0.1	**26** SA	0150	0.2
	1438	1.2		1455	1.1		1438	1.2		1455	1.1

DECEMBER

	Time	m		Time	m
1 WE	0307	0.2	**16** TH	0210	0.1
	1421	1.1		1436	1.2
2 TH	0353	0.2	**17** FR	0316	0.2
	1434	1.1		1420	1.1
3 FR	0434	0.3	**18** SA	0420	0.2
	1441	1.1		1406	1.1
4 SA	0508	0.3	**19** SU	0517	0.3
	1445	1.1		1403	1.1
				2055	0.6
				2346	0.7
5 SU	0534	0.4	**20** MO ◐	0608	0.5
	1446	1.1		1404	1.0
				2108	0.5
6 MO ◑	0533	0.5	**21** TU	0234	0.7
	1446	1.1		0654	0.6
				1401	1.0
				2133	0.3
7 TU	0028	0.5	**22** WE	0419	0.7
	1443	1.0		0738	0.7
	2306	0.5		1355	1.0
				2204	0.2
8 WE	1434	1.0	**23** TH	0620	0.8
	2229	0.4		0816	0.8
				1355	1.0
				2239	0.1
9 TH	1422	1.0	**24** FR	1356	1.0
	2223	0.3		2315	0.1
10 FR	1419	1.1	**25** SA	1342	1.0
	2238	0.2		2352	0.1
11 SA	1422	1.1	**26** SU	1320	1.0
	2304	0.2			
12 SU	1426	1.2	**27** MO	0027	0.1
	2339	0.1		1334	1.1
13 MO	1427	1.2	**28** TU ●	0059	0.1
				1403	1.1
14 TU ○	0021	0.1	**29** WE	0127	0.1
	1432	1.2		1433	1.1
15 WE	0112	0.1	**30** TH	0150	0.2
	1438	1.2		1455	1.1
31 FR	0203	0.3			
	1504	1.1			

56010

PAPUA NEW GUINEA - RARA ISLAND SOUTHWEST

LAT 2° 01´ S LONG 147° 17´ E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -1000 YEAR 2027

JANUARY

	Time	m		Time	m		Time	m		Time	m
1 FR	1335	1.0	16 SA	0159	0.7	1 MO	1245	1.0	16 TU	1307	1.1
	2200	0.2		0621	0.6		2216	0.1		2145	0.1
				1316	0.9						
			◑	2038	0.4						
2 SA	1334	1.1	17 SU	0354	0.7	2 TU	1256	1.0	17 WE	1343	1.2
	2232	0.1		0601	0.7		2246	0.2		2231	0.1
				1323	0.9						
				2119	0.3						
3 SU	1332	1.1	18 MO	1339	1.0	3 WE	1312	1.0	18 TH	1422	1.2
	2302	0.1		2205	0.2		2317	0.2		2315	0.1
4 MO	1329	1.1	19 TU	1405	1.1	4 TH	1338	0.9	19 FR	1503	1.2
	2332	0.1		2253	0.1		2348	0.3		2356	0.1
5 TU	1326	1.1	20 WE	1438	1.2	5 FR	1411	0.9	20 SA	1546	1.1
				2342	0.0						
6 WE	0001	0.1	21 TH	1515	1.2	6 SA	0020	0.3	21 SU	0034	0.2
	1331	1.0					1447	0.9		1633	1.0
									○		
7 TH	0031	0.2	22 FR	0031	0.0	7 SU	0054	0.4	22 MO	0106	0.3
	1349	1.0		1553	1.2		1524	0.9		1007	0.8
			○			●				1349	0.8
										1804	0.8
8 FR	0102	0.2	23 SA	0119	0.0	8 MO	0131	0.4	23 TU	0132	0.5
	1412	1.0		1629	1.2		1601	0.8		0941	0.8
●										1714	0.6
										2125	0.7
9 SA	0136	0.3	24 SU	0205	0.1	9 TU	0217	0.5	24 WE	0143	0.6
	1432	1.0		1650	1.0		1637	0.8		0951	0.9
										1801	0.4
10 SU	0213	0.3	25 MO	0247	0.2	10 WE	0322	0.5	25 TH	1007	0.9
	1414	0.9		1318	0.9		1212	0.7		1840	0.3
11 MO	0253	0.4	26 TU	0324	0.4	11 TH	0440	0.6	26 FR	1026	0.9
	1346	0.9		1210	0.9		1145	0.8		1916	0.2
				1912	0.6		1803	0.6			
				2147	0.7		2314	0.7			
12 TU	0338	0.4	27 WE	0352	0.5	12 FR	0545	0.6	27 SA	0453	0.9
	1332	0.8		1203	0.9		1151	0.8		0642	0.9
				1938	0.5		1844	0.5		1047	0.9
										1950	0.2
13 WE	0425	0.5	28 TH	0114	0.6	13 SA	0143	0.7	28 SU	0439	0.9
	1310	0.8		0401	0.6		0629	0.7	◐	0812	0.9
				1210	1.0		1200	0.8		1108	0.9
				2010	0.3		1927	0.4		2022	0.2
14 TH	0513	0.5	29 FR	1220	1.0	14 SU	0334	0.8			
	1305	0.8		2044	0.2		0645	0.7			
	1946	0.6					1214	0.9			
	2342	0.7	◐			◑	2012	0.3			
15 FR	0555	0.6	30 SA	1229	1.0	15 MO	1236	1.0			
	1311	0.8		2116	0.1		2059	0.2			
	2004	0.5									
			31 SU	1237	1.0						
				2147	0.1						

FEBRUARY

	Time	m		Time	m
1 MO	0458	0.9	16 TU	1152	1.0
	0907	0.9		2031	0.1
	1132	0.9	◑		
	2054	0.2			
2 TU	0521	0.9	17 WE	1236	1.1
	0935	0.9		2116	0.1
	1205	0.9			
	2125	0.2			
3 WE	0549	0.9	18 TH	1321	1.1
	0936	0.8		2157	0.1
	1242	0.9			
	2157	0.3			
4 TH	0616	0.8	19 FR	1409	1.1
	0938	0.8		2232	0.2
	1322	0.8			
	2228	0.3			
5 FR	0639	0.8	20 SA	1502	1.0
	0947	0.8		2301	0.3
	1403	0.8			
	2259	0.4			
6 SA	0656	0.7	21 SU	0642	0.7
	0950	0.7		1029	0.7
	1443	0.8		1611	0.8
	2329	0.4		2320	0.5
7 SU	0713	0.7	22 MO	0637	0.8
	0948	0.7		1253	0.6
	1525	0.8		1826	0.7
	2358	0.5	○	2323	0.6
8 MO	0736	0.7	23 TU	0636	0.8
	1017	0.7		1451	0.5
	1614	0.8			
●					
9 TU	0032	0.6	24 WE	0635	0.9
	0803	0.7		1605	0.4
	1122	0.7			
	1723	0.7			
10 WE	0128	0.6	25 TH	0619	0.9
	0832	0.7		1655	0.3
	1332	0.6			
	2017	0.7			
11 TH	0416	0.7	26 FR	0414	0.9
	0900	0.7		1736	0.2
	1527	0.6			
	2321	0.7			
12 FR	0606	0.7	27 SA	0326	1.0
	0927	0.7		1813	0.2
	1654	0.5			
13 SA	0214	0.8	28 SU	0315	1.0
	0644	0.7		1848	0.2
	0956	0.8			
	1758	0.4			
14 SU	0312	0.9	29 MO	0327	1.0
	0702	0.8		1922	0.2
	1030	0.9			
	1853	0.3			
15 MO	0420	0.9	30 TU	0343	1.0
	0700	0.9		1955	0.3
	1110	0.9	◐		
	1944	0.2			
			31 WE	0400	0.9
				1029	0.8
				1117	0.8
				2028	0.3

MARCH

	Time	m		Time	m
1 TH	0414	0.9	16 FR	0456	0.8
	0955	0.7		0820	0.8
	1239	0.7		1310	0.9
	2100	0.4		2106	0.3
2 FR	0426	0.8	17 SA	0444	0.8
	0947	0.7		0943	0.7
	1338	0.7		1422	0.8
	2129	0.4		2125	0.4
3 SA	0438	0.8	18 SU	0436	0.8
	1000	0.6		1105	0.6
	1427	0.7		1611	0.7
	2155	0.5		2128	0.5
4 SU	0447	0.8	19 MO	0422	0.9
	1022	0.6		1218	0.5
	1517	0.7		1847	0.7
	2215	0.5		2055	0.7
5 MO	0448	0.7	20 TU	0411	0.9
	1051	0.6		1322	0.3
	1620	0.7			
	2224	0.6			
6 TU	0435	0.7	21 WE	0404	1.0
	1132	0.5		1417	0.2
	1809	0.7	○		
	2223	0.7			
7 WE	0422	0.7	22 TH	0344	1.0
	1230	0.5		1505	0.2
	2027	0.7			
●	2216	0.7			
8 TH	0356	0.8	23 FR	0318	1.0
	1345	0.5		1549	0.2
9 FR	0154	0.8	24 SA	0255	1.0
	1506	0.4		1628	0.2
10 SA	0212	0.9	25 SU	0230	1.0
	1621	0.3		1706	0.2
11 SU	0251	0.9	26 MO	0230	1.0
	1725	0.2		1743	0.2
12 MO	0337	1.0	27 TU	0240	1.0
	0715	0.9		1819	0.3
	0902	0.9			
	1821	0.1			
13 TU	0427	1.0	28 WE	0252	1.0
	0703	1.0		1853	0.3
	1012	1.0			
	1912	0.1			
14 WE	0513	0.9	29 TH	0301	0.9
	0653	0.9		1924	0.4
	1112	1.0			
◑	1956	0.1	◐		
15 TH	0519	0.9	30 FR	0310	0.9
	0712	0.9		0943	0.6
	1210	1.0		1237	0.7
	2035	0.2		1952	0.5

APRIL

	Time	m		Time	m
1 TH	0414	0.9	16 FR	0456	0.8
	0955	0.7		0820	0.8
	1239	0.7		1310	0.9
	2100	0.4		2106	0.3
2 FR	0426	0.8	17 SA	0444	0.8
	0947	0.7		0943	0.7
	1338	0.7		1422	0.8
	2129	0.4		2125	0.4
3 SA	0438	0.8	18 SU	0436	0.8
	1000	0.6		1105	0.6
	1427	0.7		1611	0.7
	2155	0.5		2128	0.5
4 SU	0447	0.8	19 MO	0422	0.9
	1022	0.6		1218	0.5
	1517	0.7		1847	0.7
	2215	0.5		2055	0.7
5 MO	0448	0.7	20 TU	0411	0.9
	1051	0.6		1322	0.3
	1620	0.7			
	2224	0.6			
6 TU	0435	0.7	21 WE	0404	1.0
	1132	0.5		1417	0.2
	1809	0.7	○		
	2223	0.7			
7 WE	0422	0.7	22 TH	0344	1.0
	1230	0.5		1505	0.2
	2027	0.7			
●	2216	0.7			
8 TH	0356	0.8	23 FR	0318	1.0
	1345	0.5		1549	0.2
9 FR	0154	0.8	24 SA	0255	1.0
	1506	0.4		1628	0.2
10 SA	0212	0.9	25 SU	0230	1.0
	1621	0.3		1706	0.2
11 SU	0251	0.9	26 MO	0230	1.0
	1725	0.2		1743	0.2
12 MO	0337	1.0	27 TU	0240	1.0
	0715	0.9		1819	0.3
	0902	0.9			
	1821	0.1			
13 TU	0427	1.0	28 WE	0252	1.0
	0703	1.0		1853	0.3
	1012	1.0			
	1912	0.1			
14 WE	0513	0.9	29 TH	0301	0.9
	0653	0.9		1924	0.4
	1112	1.0			
◑	1956	0.1	◐		
15 TH	0519	0.9	30 FR	0310	0.9
	0712	0.9		0943	0.6
	1210	1.0		1237	0.7
	2035	0.2		1952	0.5

56134

PAPUA NEW GUINEA - RARA ISLAND SOUTHWEST

LAT 2° 01′ S LONG 147° 17′ E

TIME ZONE -1000

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

YEAR 2027

MAY

	Time	m		Time	m		Time	m		Time	m
1 SA	0319	0.9	16 SU	0319	0.9	1 TU	0236	0.9	16 WE	0207	1.1
	0939	0.6		1047	0.5		1015	0.4		1149	0.1
	1350	0.7		1621	0.6		1742	0.7			
	2015	0.5		1934	0.6		1847	0.7			
2 SU	0326	0.8	17 MO	0307	1.0	2 WE	0241	0.9	17 TH	0208	1.1
	0955	0.6		1134	0.3		1056	0.3		1222	0.1
	1459	0.7									
	2026	0.6									
3 MO	0328	0.8	18 TU	0259	1.0	3 TH	0254	1.0	18 FR	0204	1.1
	1022	0.5		1218	0.2		1144	0.3		1254	0.1
	1623	0.7									
	2028	0.6									
4 TU	0324	0.8	19 WE	0256	1.1	4 FR	0314	1.0	19 SA	0202	1.1
	1058	0.5		1258	0.1		1238	0.2		1327	0.1
	1808	0.7							○		
	2029	0.7									
5 WE	0324	0.8	20 TH	0250	1.1	5 SA	0340	1.1	20 SU	0205	1.1
	1144	0.4		1336	0.1		1336	0.1		1402	0.2
			○			●					
6 TH	0328	0.9	21 FR	0237	1.1	6 SU	0410	1.1	21 MO	0202	1.0
	1241	0.3		1413	0.1		1435	0.1		1438	0.2
●											
7 FR	0331	0.9	22 SA	0229	1.1	7 MO	0439	1.1	22 TU	0141	1.0
	1346	0.3		1450	0.1		1532	0.0		1517	0.3
8 SA	0322	1.0	23 SU	0214	1.1	8 TU	0441	1.1	23 WE	0137	1.0
	1453	0.2		1527	0.2		1625	0.1		1555	0.4
9 SU	0317	1.0	24 MO	0157	1.0	9 WE	0337	1.0	24 TH	0139	0.9
	1557	0.1		1605	0.2		1712	0.1		1631	0.4
10 MO	0335	1.1	25 TU	0158	1.0	10 TH	0253	1.0	25 FR	0135	0.9
	1656	0.1		1644	0.3		1750	0.2		1705	0.5
11 TU	0355	1.0	26 WE	0206	1.0	11 FR	0228	1.0	26 SA	0132	0.9
	1749	0.1		1720	0.3		0844	0.7		0934	0.6
						◑	1103	0.7		1032	0.6
							1817	0.4		1734	0.5
12 WE	0400	1.0	27 TH	0211	0.9	12 SA	0218	1.0	27 SU	0136	0.9
	0734	1.0		1753	0.4		0921	0.5		0844	0.6
	0920	1.0					1337	0.6		1318	0.6
	1834	0.1					1824	0.5	◐	1754	0.6
13 TH	0349	1.0	28 FR	0215	0.9	13 SU	0215	1.0	28 MO	0143	0.9
	0811	0.9		1821	0.5		1000	0.4		0856	0.5
	1042	0.9					1632	0.6		1507	0.6
◑	1912	0.2	◐				1741	0.6		1756	0.6
14 FR	0335	0.9	29 SA	0220	0.9	14 MO	0210	1.0	29 TU	0149	0.9
	0902	0.8		0922	0.6		1038	0.2		0924	0.4
	1207	0.8		1238	0.6						
	1939	0.3		1843	0.5						
15 SA	0326	0.9	30 SU	0228	0.9	15 TU	0207	1.1	30 WE	0156	0.9
	0955	0.6		0922	0.5		1115	0.1		1001	0.3
	1357	0.7		1417	0.6						
	1950	0.5		1855	0.6						
			31 MO	0234	0.9						
				0943	0.5						
				1553	0.6						
				1858	0.6						

JUNE

	Time	m		Time	m		Time	m		Time	m
1 TH	0212	1.0	16 FR	0134	1.0	1 SU	0257	1.2	16 MO	0207	0.9
	1045	0.2		1142	0.1		1201	0.1		1203	0.3
2 FR	0236	1.1	17 SA	0139	1.0	2 MO	0336	1.2	17 TU	0237	0.9
	1134	0.1		1214	0.2		1247	0.1		1235	0.4
						●			○		
3 SA	0307	1.1	18 SU	0151	1.0	3 TU	0417	1.1	18 WE	0310	0.8
	1225	0.1		1246	0.2		1332	0.2		1305	0.5
4 SU	0342	1.2	19 MO	0209	1.0	4 WE	0459	1.0	19 TH	0345	0.8
	1317	0.0		1320	0.3		1414	0.3		1339	0.5
●			○								
5 MO	0419	1.2	20 TU	0228	0.9	5 TH	0125	0.8	20 FR	0028	0.7
	1410	0.0		1356	0.3		0440	0.8		0217	0.7
							0601	0.8		0419	0.7
							1452	0.4		1435	0.6
							2320	0.9		2247	0.7
6 TU	0452	1.1	21 WE	0215	0.9	6 FR	0615	0.7	21 SA	0709	0.7
	1500	0.1		1433	0.4		0932	0.7		0843	0.7
							1525	0.5		1626	0.6
							2317	0.9		2252	0.7
7 WE	0447	1.0	22 TH	0120	0.8	7 SA	0656	0.5	22 SU	0541	0.6
	1547	0.2		1514	0.5		1248	0.7		1413	0.7
							1544	0.7		1747	0.7
							2329	0.9		2306	0.8
8 TH	0206	1.0	23 FR	0107	0.8	8 SU	0734	0.3	23 MO	0620	0.5
	1627	0.3		1559	0.5		2345	1.0		1456	0.7
										1830	0.7
										2322	0.8
9 FR	0113	0.9	24 SA	0043	0.8	9 MO	0811	0.2	24 TU	0702	0.4
	0750	0.7		1648	0.6					1551	0.8
	1009	0.7				◑				1849	0.8
	1657	0.4								2343	0.9
10 SA	0102	1.0	25 SU	0037	0.8	10 TU	0003	1.0	25 WE	0746	0.3
	0820	0.5		0745	0.6		0847	0.1		1737	0.8
	1309	0.6		1230	0.6				◐	1807	0.8
	1710	0.6		1732	0.6						
11 SU	0104	1.0	26 MO	0043	0.8	11 WE	0022	1.0	26 TH	0010	0.9
	0855	0.3		0753	0.5		0921	0.1		0831	0.2
◑				1435	0.7						
				1800	0.7						
12 MO	0109	1.0	27 TU	0051	0.9	12 TH	0042	1.0	27 FR	0044	1.0
	0930	0.2		0822	0.4		0954	0.1		0916	0.1
			◐								
13 TU	0114	1.1	28 WE	0101	0.9	13 FR	0100	1.0	28 SA	0122	1.1
	1005	0.1		0859	0.3		1027	0.2		1001	0.1
14 WE	0121	1.1	29 TH	0120	1.0	14 SA	0119	0.9	29 SU	0202	1.2
	1038	0.1		0942	0.2		1059	0.2		1044	0.1
15 TH	0128	1.1	30 FR	0147	1.1	15 SU	0141	0.9	30 MO	0246	1.1
	1110	0.1		1027	0.1		1132	0.3		1125	0.2
			31 SA	0220	1.2				31 TU	0333	1.1
				1114	0.1					1201	0.3

JULY

AUGUST

56134

PAPUA NEW GUINEA - RARA ISLAND SOUTHWEST

LAT 2° 01´ S LONG 147° 17´ E

TIME ZONE -1000

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

YEAR 2027

SEPTEMBER

	Time	m		Time	m
1 WE ●	0430	1.0	**16** TH ○	0414	0.7
	1233	0.4		1113	0.6
	2028	0.8		1827	0.7
2 TH	0048	0.7	**17** FR	0026	0.6
	0618	0.8		0602	0.7
	1257	0.5		1040	0.7
	2033	0.8		1649	0.7
3 FR	0352	0.6	**18** SA	0139	0.6
	0909	0.7		1455	0.7
	1307	0.6			
	2048	0.9			
4 SA	0509	0.4	**19** SU	0303	0.5
	2111	0.9		1412	0.8
5 SU	0558	0.3	**20** MO	0421	0.5
	2140	0.9		1436	0.8
6 MO	0640	0.2	**21** TU	0526	0.4
	1548	0.9		1513	0.9
	1900	0.9		1920	0.8
	2212	0.9		2134	0.8
7 TU	0719	0.2	**22** WE	0621	0.3
	1555	0.9		1601	0.9
	2009	0.9		1909	0.9
	2248	0.9		2230	0.9
8 WE ◑	0756	0.1	**23** TH ◐	0712	0.2
	1616	0.9		1711	0.9
	2059	0.9		1839	0.9
	2325	0.9		2320	1.0
9 TH	0831	0.2	**24** FR	0759	0.1
	1641	0.9			
	2134	0.8			
10 FR	0005	0.9	**25** SA	0008	1.0
	0905	0.2		0844	0.1
	1707	0.9			
	2151	0.8			
11 SA	0045	0.8	**26** SU	0057	1.1
	0939	0.3		0924	0.2
	1733	0.8			
	2158	0.8			
12 SU	0124	0.8	**27** MO	0149	1.0
	1011	0.3		1000	0.2
	1755	0.8		1748	0.8
	2211	0.7		2020	0.7
13 MO	0202	0.8	**28** TU	0247	1.0
	1041	0.4		1028	0.4
	1813	0.8		1741	0.8
	2231	0.7		2225	0.7
14 TU	0241	0.8	**29** WE	0405	0.8
	1107	0.5		1047	0.5
	1826	0.7		1734	0.8
	2258	0.7			
15 WE	0323	0.7	**30** TH ●	0017	0.6
	1126	0.5		0618	0.7
	1835	0.7		1051	0.6
	2334	0.6		1730	0.9

OCTOBER

	Time	m		Time	m
1 FR	0154	0.4	**16** SA	0032	0.5
	1733	0.9		1520	0.8
2 SA	0311	0.3	**17** SU	0131	0.4
	1721	0.9		1441	0.9
3 SU	0410	0.2	**18** MO	0239	0.4
	1603	1.0		1426	0.9
4 MO	0458	0.2	**19** TU	0347	0.3
	1506	1.0		1451	1.0
5 TU	0541	0.2	**20** WE	0451	0.2
	1448	1.0		1526	1.0
6 WE	0621	0.2	**21** TH	0547	0.2
	1459	1.0		1605	1.0
				1917	1.0
				2121	1.0
7 TH ◑	0659	0.2	**22** FR	0638	0.1
	1517	1.0		1635	1.0
				1911	0.9
				2235	1.0
8 FR	0735	0.3	**23** SA ◐	0723	0.1
	1536	0.9		1636	0.9
	2221	0.7		1933	0.9
	2320	0.7		2339	1.0
9 SA	0810	0.3	**24** SU	0802	0.2
	1553	0.9		1618	0.9
	2210	0.7		2025	0.8
10 SU	0041	0.7	**25** MO	0046	0.9
	0841	0.4		0833	0.3
	1607	0.9		1608	0.8
	2208	0.7		2132	0.7
11 MO	0144	0.7	**26** TU	0205	0.8
	0909	0.5		0853	0.4
	1618	0.8		1558	0.9
	2218	0.6		2242	0.6
12 TU	0244	0.7	**27** WE	0400	0.7
	0929	0.5		0857	0.6
	1622	0.8		1546	0.9
	2239	0.6		2347	0.4
13 WE	0351	0.7	**28** TH	0628	0.7
	0927	0.6		0829	0.7
	1613	0.8		1542	1.0
	2309	0.5			
14 TH	0526	0.7	**29** FR ●	0046	0.3
	0852	0.6		1545	1.0
	1549	0.8			
	2345	0.5			
15 FR ○	0729	0.7	**30** SA	0140	0.2
	0830	0.7		1541	1.0
	1533	0.8			
			31 SU	0229	0.1
				1522	1.1

NOVEMBER

	Time	m		Time	m
1 MO	0315	0.1	**16** TU	0223	0.2
	1457	1.1		1531	1.0
2 TU	0358	0.1	**17** WE	0324	0.1
	1417	1.0		1541	1.1
3 WE	0441	0.2	**18** TH	0422	0.1
	1409	1.0		1549	1.1
4 TH	0521	0.2	**19** FR	0515	0.1
	1419	1.0		1548	1.0
5 FR	0600	0.3	**20** SA	0601	0.1
	1434	1.0		1532	1.0
				2004	0.9
				2202	0.9
6 SA ◑	0635	0.3	**21** SU ◐	0640	0.2
	1447	0.9		1510	0.9
				2045	0.8
				2338	0.8
7 SU	0707	0.4	**22** MO	0709	0.3
	1457	0.9		1459	0.9
	2205	0.6		2132	0.6
8 MO	0050	0.6	**23** TU	0136	0.7
	0732	0.5		0722	0.5
	1505	0.9		1450	0.9
	2158	0.6		2219	0.5
9 TU	0225	0.6	**24** WE	0400	0.7
	0745	0.5		0710	0.6
	1510	0.9		1441	1.0
	2209	0.5		2305	0.3
10 WE	0353	0.6	**25** TH	1438	1.1
	0728	0.6		2348	0.2
	1507	0.9			
	2232	0.5			
11 TH	0530	0.6	**26** FR	1443	1.1
	0656	0.6			
	1500	0.9			
	2302	0.4			
12 FR	1457	0.9	**27** SA	0029	0.1
	2341	0.4		1449	1.1
13 SA	1503	0.9	**28** SU ●	0108	0.1
				1446	1.1
14 SU ○	0028	0.3	**29** MO	0147	0.1
	1512	1.0		1438	1.1
15 MO	0123	0.3	**30** TU	0226	0.1
	1522	1.0		1423	1.1

DECEMBER

	Time	m		Time	m
1 WE	0306	0.2	**16** TH	0300	0.1
	1350	1.0		1647	1.1
2 TH	0347	0.2	**17** FR	0352	0.1
	1342	1.0		1550	1.0
3 FR	0427	0.3	**18** SA	0440	0.2
	1349	1.0		1445	1.0
4 SA	0505	0.4	**19** SU	0521	0.3
	1357	1.0		1407	0.9
				2019	0.7
				2232	0.7
5 SU	0537	0.4	**20** MO ◐	0551	0.4
	1403	0.9		1352	1.0
				2052	0.6
6 MO ◑	0603	0.5	**21** TU	0111	0.7
	1407	0.9		0603	0.5
	2140	0.6		1348	1.0
				2131	0.4
7 TU	0128	0.6	**22** WE	0356	0.6
	0615	0.5		0536	0.6
	1413	0.9		1345	1.0
	2134	0.5		2209	0.2
8 WE	0318	0.6	**23** TH	1346	1.1
	0554	0.6		2246	0.1
	1417	0.9			
	2148	0.4			
9 TH	1417	0.9	**24** FR	1355	1.1
	2214	0.4		2323	0.1
10 FR	1421	0.9	**25** SA	1405	1.1
	2248	0.3		2358	0.1
11 SA	1434	1.0	**26** SU	1413	1.1
	2330	0.3			
12 SU	1455	1.0	**27** MO	0033	0.1
				1415	1.1
13 MO	0017	0.2	**28** TU ●	0108	0.1
	1522	1.1		1416	1.0
14 TU ○	0110	0.1	**29** WE	0144	0.2
	1553	1.1		1414	1.0
15 WE	0205	0.1	**30** TH	0222	0.2
	1626	1.1		1336	1.0
			31 FR	0301	0.3
				1318	0.9

56134

PAPUA NEW GUINEA - HAWEI ISLAND NORTHEAST

LAT 1° 58´ S LONG 147° 18´ E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -1000 YEAR 2027

JANUARY

	Time	m		Time	m
1 FR	1335	1.0	**16** SA ◑	0207	0.7
	2202	0.2		0623	0.6
				1313	0.9
				2041	0.4
2 SA	1333	1.1	**17** SU	0357	0.7
	2234	0.1		0610	0.7
				1323	0.9
				2121	0.3
3 SU	1332	1.1	**18** MO	1341	1.0
	2305	0.1		2206	0.2
4 MO	1329	1.1	**19** TU	1407	1.1
	2335	0.1		2253	0.1
5 TU	1325	1.1	**20** WE	1439	1.2
				2342	0.0
6 WE	0003	0.1	**21** TH	1515	1.2
	1330	1.0			
7 TH	0032	0.2	**22** FR ○	0032	0.0
	1345	1.0		1553	1.2
8 FR ●	0102	0.2	**23** SA	0120	0.0
	1405	1.0		1629	1.1
9 SA	0133	0.3	**24** SU	0207	0.1
	1419	1.0		1653	1.0
10 SU	0208	0.3	**25** MO	0250	0.2
	1407	0.9		1335	0.9
11 MO	0247	0.4	**26** TU	0327	0.4
	1347	0.9		1215	0.9
				1918	0.6
				2144	0.7
12 TU	0332	0.4	**27** WE	0354	0.5
	1331	0.8		1207	0.9
				1940	0.5
13 WE	0423	0.5	**28** TH	0119	0.6
	1314	0.8		0355	0.6
				1211	1.0
				2013	0.3
14 TH	0514	0.5	**29** FR ◐	1218	1.0
	1306	0.8		2046	0.2
	1951	0.6			
	2350	0.7			
15 FR	0558	0.6	**30** SA	1226	1.0
	1308	0.8		2118	0.1
	2008	0.5			
			31 SU	1235	1.0
				2149	0.1

FEBRUARY

	Time	m		Time	m
1 MO	1243	1.0	**16** TU	1308	1.1
	2218	0.1		2146	0.1
2 TU	1252	1.0	**17** WE	1344	1.2
	2248	0.2		2231	0.1
3 WE	1307	1.0	**18** TH	1423	1.2
	2317	0.2		2316	0.1
4 TH	1333	0.9	**19** FR	1504	1.2
	2346	0.3		2358	0.1
5 FR	1408	0.9	**20** SA	1547	1.1
6 SA	0016	0.3	**21** SU ○	0036	0.2
	1446	0.9		1633	1.0
7 SU ●	0047	0.4	**22** MO	0108	0.3
	1524	0.9		1024	0.8
				1352	0.8
				1755	0.8
8 MO	0120	0.4	**23** TU	0131	0.5
	1601	0.8		0947	0.8
				1713	0.6
				2125	0.7
9 TU	0205	0.5	**24** WE	0135	0.6
	1632	0.8		0951	0.9
				1803	0.4
10 WE	0318	0.5	**25** TH	1003	0.9
	1217	0.7		1842	0.3
11 TH	0450	0.6	**26** FR	1021	0.9
	1146	0.7		1918	0.2
	1812	0.6			
	2318	0.7			
12 FR	0557	0.6	**27** SA	0506	0.9
	1149	0.8		0627	0.9
	1849	0.5		1042	0.9
				1952	0.2
13 SA	0155	0.7	**28** SU ◐	0444	0.9
	0641	0.7		0758	0.9
	1159	0.8		1105	0.9
	1930	0.4		2024	0.2
14 SU ◑	0331	0.8			
	0659	0.7			
	1214	0.9			
	2014	0.3			
15 MO	1237	1.0			
	2100	0.2			

MARCH

	Time	m		Time	m
1 MO	0457	0.9	**16** TU ◑	1152	1.0
	0856	0.9		2032	0.1
	1128	0.9			
	2055	0.2			
2 TU	0516	0.9	**17** WE	1236	1.1
	0930	0.9		2117	0.1
	1158	0.9			
	2126	0.2			
3 WE	0543	0.9	**18** TH	1322	1.1
	0940	0.8		2158	0.1
	1235	0.8			
	2156	0.3			
4 TH	0611	0.8	**19** FR	1410	1.1
	0944	0.8		2234	0.2
	1316	0.8			
	2226	0.3			
5 FR	0637	0.8	**20** SA	1503	1.0
	0948	0.8		2302	0.3
	1359	0.8			
	2255	0.4			
6 SA	0658	0.7	**21** SU	0644	0.7
	0951	0.7		1010	0.7
	1441	0.8		1612	0.8
	2321	0.4		2319	0.5
7 SU	0712	0.7	**22** MO ○	0631	0.8
	0959	0.7		1256	0.6
	1524	0.8		1820	0.7
	2346	0.5		2319	0.6
8 MO ●	0728	0.7	**23** TU	0625	0.8
	1029	0.7		1450	0.5
	1612	0.8			
9 TU	0012	0.6	**24** WE	0626	0.9
	0752	0.7		1605	0.4
	1129	0.6			
	1719	0.7			
10 WE	0048	0.6	**25** TH	0611	0.9
	0823	0.7		1657	0.3
	1323	0.6			
	2025	0.7			
11 TH	0440	0.7	**26** FR	0417	0.9
	0856	0.7		1739	0.2
	1529	0.6			
12 FR	0103	0.7	**27** SA	0333	1.0
	0617	0.7		1816	0.2
	0927	0.7			
	1657	0.5			
13 SA	0214	0.8	**28** SU	0320	1.0
	0650	0.7		1851	0.2
	0959	0.8			
	1801	0.4			
14 SU	0309	0.9	**29** MO	0327	1.0
	0708	0.8		1924	0.2
	1033	0.8			
	1855	0.3			
15 MO	0414	0.9	**30** TU ◐	0343	1.0
	0711	0.9		1956	0.3
	1111	0.9			
	1945	0.2			
			31 WE	0400	0.9
				2027	0.3

APRIL

	Time	m		Time	m
1 TH	0417	0.9	**16** FR	0457	0.8
	0957	0.7		0816	0.8
	1232	0.7		1312	0.9
	2058	0.4		2108	0.3
2 FR	0428	0.8	**17** SA	0446	0.8
	0951	0.7		0942	0.7
	1336	0.7		1425	0.8
	2125	0.4		2125	0.4
3 SA	0436	0.8	**18** SU	0433	0.8
	1002	0.6		1106	0.6
	1428	0.7		1609	0.7
	2147	0.5		2125	0.5
4 SU	0439	0.8	**19** MO	0418	0.9
	1022	0.6		1220	0.5
	1519	0.7		1846	0.7
	2204	0.5		2057	0.7
5 MO	0438	0.7	**20** TU	0410	0.9
	1049	0.6		1324	0.3
	1622	0.7			
	2216	0.6			
6 TU	0428	0.7	**21** WE ○	0405	1.0
	1129	0.5		1420	0.2
	1808	0.7			
	2225	0.7			
7 WE ●	0415	0.7	**22** TH	0349	1.0
	1227	0.5		1509	0.2
	2036	0.7			
	2216	0.7			
8 TH	0354	0.8	**23** FR	0322	1.0
	1343	0.5		1552	0.2
9 FR	0157	0.8	**24** SA	0255	1.0
	1506	0.4		1632	0.2
10 SA	0214	0.9	**25** SU	0236	1.0
	1622	0.3		1710	0.2
11 SU	0251	0.9	**26** MO	0232	1.0
	1726	0.2		1746	0.2
12 MO	0336	1.0	**27** TU	0240	1.0
	0720	0.9		1820	0.3
	0859	0.9			
	1822	0.1			
13 TU	0427	1.0	**28** WE	0253	1.0
	0710	1.0		1853	0.3
	1012	1.0			
	1913	0.1			
14 WE ◑	0517	0.9	**29** TH ◐	0304	0.9
	0704	0.9		1923	0.4
	1111	1.0			
	1958	0.1			
15 TH	0521	0.9	**30** FR	0313	0.9
	0709	0.9		0944	0.6
	1210	1.0		1235	0.7
	2037	0.2		1948	0.5

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PAPUA NEW GUINEA - HAWEI ISLAND NORTHEAST

LAT 1° 58´ S LONG 147° 18´ E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -1000 YEAR 2027

MAY

	Time	m		Time	m
1 SA	0318	0.9	**16** SU	0318	0.9
	0941	0.6		1047	0.5
	1353	0.7		1620	0.6
	2009	0.5		1933	0.6
2 SU	0321	0.8	**17** MO	0306	1.0
	0957	0.6		1136	0.3
	1502	0.7			
	2021	0.6			
3 MO	0323	0.8	**18** TU	0300	1.0
	1023	0.5		1220	0.2
	1623	0.7			
	2029	0.6			
4 TU	0321	0.8	**19** WE	0258	1.1
	1058	0.5		1301	0.1
	1810	0.7			
	2030	0.7			
5 WE	0322	0.8	**20** TH ○	0253	1.1
	1143	0.4		1340	0.1
6 TH ●	0328	0.9	**21** FR	0241	1.1
	1240	0.3		1417	0.1
7 FR	0333	0.9	**22** SA	0227	1.1
	1345	0.3		1453	0.1
8 SA	0318	1.0	**23** SU	0212	1.1
	1452	0.2		1530	0.2
9 SU	0307	1.0	**24** MO	0159	1.0
	1557	0.1		1607	0.2
10 MO	0330	1.0	**25** TU	0159	1.0
	1657	0.1		1645	0.3
11 TU	0355	1.0	**26** WE	0205	1.0
	1750	0.1		1720	0.3
12 WE	0405	1.0	**27** TH	0213	1.0
	0737	1.0		1752	0.4
	0913	1.0			
	1836	0.1			
13 TH ◑	0352	1.0	**28** FR ◐	0218	0.9
	0811	0.9		1819	0.5
	1040	0.9			
	1914	0.2			
14 FR	0338	0.9	**29** SA	0221	0.9
	0901	0.8		0923	0.6
	1208	0.8		1242	0.6
	1941	0.3		1840	0.5
15 SA	0329	0.9	**30** SU	0225	0.9
	0955	0.6		0924	0.5
	1400	0.7		1423	0.6
	1950	0.5		1853	0.6
			31 MO	0229	0.9
				0945	0.5
				1557	0.6
				1900	0.6

JUNE

	Time	m		Time	m
1 TU	0233	0.9	**16** WE	0208	1.1
	1016	0.4		1152	0.1
	1756	0.7			
	1843	0.7			
2 WE	0240	0.9	**17** TH	0209	1.1
	1056	0.3		1225	0.1
3 TH	0254	1.0	**18** FR	0206	1.1
	1144	0.3		1258	0.1
4 FR	0315	1.0	**19** SA ○	0202	1.1
	1238	0.2		1330	0.1
5 SA ●	0341	1.1	**20** SU	0200	1.1
	1336	0.1		1403	0.2
6 SU	0412	1.1	**21** MO	0153	1.0
	1435	0.1		1438	0.2
7 MO	0441	1.1	**22** TU	0141	1.0
	1532	0.0		1515	0.3
8 TU	0441	1.1	**23** WE	0137	1.0
	1626	0.1		1552	0.4
9 WE	0340	1.0	**24** TH	0138	0.9
	1714	0.1		1629	0.4
10 TH	0258	1.0	**25** FR	0138	0.9
	1753	0.2		1703	0.5
11 FR ◑	0231	1.0	**26** SA	0135	0.9
	0847	0.7		0941	0.6
	1103	0.7		1045	0.6
	1819	0.4		1731	0.5
12 SA	0222	1.0	**27** SU ◐	0135	0.9
	0923	0.5		0846	0.6
	1341	0.6		1327	0.6
	1824	0.5		1752	0.6
13 SU	0216	1.0	**28** MO	0139	0.9
	1002	0.4		0858	0.5
	1623	0.6		1520	0.6
	1751	0.6		1800	0.6
14 MO	0210	1.0	**29** TU	0146	0.9
	1040	0.2		0926	0.4
15 TU	0207	1.1	**30** WE	0156	0.9
	1117	0.1		1003	0.3

JULY

	Time	m		Time	m
1 TH	0213	1.0	**16** FR	0134	1.0
	1046	0.2		1144	0.1
2 FR	0237	1.1	**17** SA	0138	1.0
	1134	0.1		1215	0.2
3 SA	0308	1.1	**18** SU	0148	1.0
	1225	0.1		1246	0.2
4 SU ●	0342	1.2	**19** MO ○	0204	1.0
	1317	0.0		1318	0.3
5 MO	0419	1.2	**20** TU	0217	0.9
	1410	0.0		1351	0.4
6 TU	0452	1.1	**21** WE	0158	0.9
	1501	0.1		1425	0.4
7 WE	0455	1.0	**22** TH	0122	0.8
	1549	0.2		1505	0.5
8 TH	0215	0.9	**23** FR	0106	0.8
	1630	0.3		1554	0.5
9 FR	0118	0.9	**24** SA	0048	0.8
	0757	0.7		1650	0.6
	1008	0.7			
	1701	0.4			
10 SA	0106	1.0	**25** SU	0037	0.8
	0822	0.5		0750	0.6
	1315	0.6		1245	0.6
	1710	0.6		1739	0.6
11 SU ◑	0105	1.0	**26** MO	0039	0.8
	0857	0.3		0756	0.5
				1458	0.7
				1806	0.7
12 MO	0108	1.0	**27** TU ◐	0048	0.9
	0932	0.2		0825	0.4
				1631	0.7
				1733	0.7
13 TU	0113	1.1	**28** WE	0101	0.9
	1007	0.1		0901	0.3
14 WE	0121	1.1	**29** TH	0121	1.0
	1041	0.1		0943	0.2
15 TH	0128	1.1	**30** FR	0148	1.1
	1113	0.1		1028	0.1
			31 SA	0221	1.1
				1114	0.1

AUGUST

	Time	m		Time	m
1 SU	0258	1.2	**16** MO	0203	0.9
	1202	0.1		1200	0.3
2 MO ●	0337	1.2	**17** TU ○	0235	0.8
	1248	0.1		1227	0.4
3 TU	0417	1.1	**18** WE	0309	0.8
	1333	0.2		1252	0.5
4 WE	0457	1.0	**19** TH	0344	0.8
	1416	0.3		1313	0.5
5 TH	0159	0.8	**20** FR	0028	0.7
	0347	0.8		0214	0.7
	0536	0.8		0415	0.7
	1455	0.4		1322	0.6
	2327	0.8		2251	0.7
6 FR	0618	0.7	**21** SA	0726	0.7
	0930	0.7		0906	0.7
	1526	0.5		1255	0.6
	2321	0.9		1409	0.6
				1650	0.6
				2248	0.7
7 SA	0658	0.5	**22** SU	0550	0.6
	1252	0.7		1427	0.7
	1538	0.7		1803	0.7
	2328	0.9		2302	0.7
8 SU	0736	0.3	**23** MO	0626	0.5
	2342	1.0		1459	0.7
				1842	0.7
				2320	0.8
9 MO ◑	0813	0.2	**24** TU	0706	0.4
				1546	0.8
				1902	0.8
				2343	0.9
10 TU	0000	1.0	**25** WE ◐	0748	0.3
	0849	0.1		1709	0.8
				1832	0.8
11 WE	0020	1.0	**26** TH	0011	0.9
	0923	0.1		0832	0.2
12 TH	0040	1.0	**27** FR	0045	1.0
	0956	0.1		0917	0.1
13 FR	0058	1.0	**28** SA	0122	1.1
	1029	0.2		1002	0.1
14 SA	0116	0.9	**29** SU	0203	1.1
	1100	0.2		1045	0.1
15 SU	0136	0.9	**30** MO	0246	1.1
	1130	0.3		1126	0.2
			31 TU	0333	1.1
				1203	0.2

56135

PAPUA NEW GUINEA - HAWEI ISLAND NORTHEAST

LAT 1° 58´ S LONG 147° 18´ E

TIME ZONE -1000

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

YEAR 2027

SEPTEMBER

	Time	m		Time	m
1 WE ●	0430	1.0	**16** TH ○	0412	0.7
	1235	0.4		1059	0.6
	2037	0.7		1758	0.7
2 TH	0043	0.7	**17** FR	0018	0.6
	0612	0.8		0605	0.7
	1256	0.5		1042	0.7
	2033	0.8		1633	0.7
3 FR	0348	0.6	**18** SA	0134	0.6
	0909	0.7		1441	0.7
	1300	0.6			
	2045	0.8			
4 SA	0509	0.4	**19** SU	0303	0.5
	2106	0.9		1421	0.8
5 SU	0600	0.3	**20** MO	0424	0.5
	2135	0.9		1440	0.8
6 MO	0642	0.2	**21** TU	0529	0.4
	1601	0.9		1513	0.9
	1850	0.9		1925	0.8
	2208	0.9		2137	0.8
7 TU	0721	0.2	**22** WE	0623	0.3
	1559	0.9		1558	0.9
	2000	0.9		1917	0.9
	2244	0.9		2232	0.9
8 WE ◑	0758	0.2	**23** TH ◐	0713	0.2
	1615	0.9		1705	0.9
	2052	0.9		1857	0.9
	2321	0.9		2321	1.0
9 TH	0832	0.2	**24** FR	0800	0.1
	1638	0.9			
	2129	0.8			
10 FR	0000	0.8	**25** SA	0009	1.0
	0906	0.2		0845	0.1
	1705	0.9			
	2152	0.8			
11 SA	0040	0.8	**26** SU	0058	1.1
	0938	0.3		0925	0.2
	1731	0.8			
	2203	0.8			
12 SU	0120	0.8	**27** MO	0150	1.0
	1009	0.3		1001	0.2
	1756	0.8		1751	0.7
	2215	0.7		2009	0.7
13 MO	0159	0.8	**28** TU	0249	1.0
	1037	0.4		1029	0.4
	1813	0.8		1737	0.8
	2232	0.7		2215	0.7
14 TU	0239	0.8	**29** WE	0405	0.8
	1059	0.5		1046	0.5
	1821	0.7		1727	0.8
	2254	0.7			
15 WE	0321	0.7	**30** TH ●	0019	0.6
	1109	0.5		0613	0.7
	1820	0.7		1048	0.6
	2327	0.6		1725	0.8

OCTOBER

	Time	m		Time	m
1 FR	0155	0.4	**16** SA	0030	0.5
	1728	0.9		1518	0.8
2 SA	0311	0.3	**17** SU	0129	0.4
	1720	0.9		1430	0.9
3 SU	0411	0.2	**18** MO	0238	0.4
	1609	1.0		1426	0.9
4 MO	0500	0.2	**19** TU	0348	0.3
	1513	1.0		1451	1.0
5 TU	0544	0.2	**20** WE	0452	0.2
	1454	1.0		1527	1.0
6 WE	0623	0.2	**21** TH	0548	0.2
	1500	1.0		1605	1.0
				1922	0.9
				2118	1.0
7 TH ◑	0701	0.2	**22** FR	0639	0.1
	1517	1.0		1637	1.0
				1920	0.9
				2233	1.0
8 FR	0736	0.3	**23** SA ◐	0724	0.1
	1536	0.9		1636	0.9
				1939	0.9
				2339	1.0
9 SA	0809	0.3	**24** SU	0803	0.2
	1555	0.9		1621	0.9
	2212	0.7		2027	0.8
10 SU	0036	0.7	**25** MO	0047	0.9
	0839	0.4		0834	0.3
	1610	0.9		1609	0.8
	2210	0.7		2133	0.7
11 MO	0144	0.7	**26** TU	0208	0.8
	0904	0.5		0853	0.4
	1617	0.8		1556	0.9
	2220	0.6		2243	0.9
12 TU	0246	0.7	**27** WE	0358	0.7
	0920	0.5		0854	0.6
	1616	0.8		1544	0.9
	2240	0.6		2348	0.4
13 WE	0352	0.7	**28** TH	0627	0.7
	0917	0.6		0832	0.7
	1606	0.8		1542	1.0
	2308	0.5			
14 TH	0522	0.7	**29** FR ●	0048	0.3
	0857	0.6		1546	1.0
	1545	0.8			
	2343	0.5			
15 FR ○	1530	0.8	**30** SA	0142	0.2
				1545	1.0
			31 SU	0232	0.1
				1528	1.1

NOVEMBER

	Time	m		Time	m
1 MO	0319	0.1	**16** TU	0223	0.2
	1456	1.1		1525	1.0
2 TU	0402	0.1	**17** WE	0324	0.1
	1423	1.0		1532	1.0
3 WE	0444	0.2	**18** TH	0423	0.1
	1412	1.0		1547	1.0
4 TH	0524	0.2	**19** FR	0516	0.1
	1419	1.0		1552	1.0
5 FR	0601	0.3	**20** SA	0603	0.1
	1434	1.0		1535	1.0
				2007	0.9
				2157	0.9
6 SA ◑	0636	0.3	**21** SU ◐	0642	0.2
	1449	1.0		1514	0.9
				2046	0.8
				2339	0.8
7 SU	0706	0.4	**22** MO	0710	0.3
	1500	0.9		1502	0.9
	2209	0.6		2132	0.6
8 MO	0048	0.6	**23** TU	0138	0.7
	0728	0.5		0721	0.5
	1506	0.9		1450	0.9
	2159	0.6		2220	0.5
9 TU	0228	0.6	**24** WE	0359	0.7
	0739	0.5		0710	0.6
	1506	0.9		1440	1.0
	2210	0.5		2306	0.3
10 WE	0358	0.6	**25** TH	1439	1.1
	0729	0.6		2350	0.2
	1503	0.9			
	2232	0.5			
11 TH	0547	0.6	**26** FR	1445	1.1
	0654	0.6			
	1457	0.9			
	2302	0.4			
12 FR	1455	0.9	**27** SA	0031	0.1
	2341	0.4		1451	1.1
13 SA	1502	0.9	**28** SU ●	0112	0.1
				1450	1.1
14 SU ○	0027	0.3	**29** MO	0151	0.1
	1514	0.9		1439	1.1
15 MO	0122	0.3	**30** TU	0230	0.1
	1524	1.0		1418	1.1

DECEMBER

	Time	m		Time	m
1 WE	0309	0.2	**16** TH	0259	0.1
	1352	1.0		1649	1.1
2 TH	0349	0.2	**17** FR	0353	0.1
	1342	1.0		1547	1.0
3 FR	0428	0.3	**18** SA	0442	0.2
	1348	1.0		1451	1.0
4 SA	0505	0.4	**19** SU	0523	0.3
	1358	1.0		1411	0.9
				2025	0.7
				2232	0.7
5 SU	0537	0.4	**20** MO ◐	0553	0.4
	1407	0.9		1356	0.9
				2054	0.6
6 MO ◑	0601	0.5	**21** TU	0114	0.7
	1410	0.9		0603	0.5
	2143	0.6		1349	1.0
				2132	0.4
7 TU	0137	0.6	**22** WE	0352	0.6
	0612	0.5		0540	0.6
	1411	0.9		1344	1.0
	2135	0.5		2210	0.2
8 WE	0341	0.6	**23** TH	1346	1.1
	0601	0.6		2248	0.1
	1412	0.9			
	2149	0.4			
9 TH	1415	0.9	**24** FR	1355	1.1
	2215	0.4		2325	0.1
10 FR	1420	0.9	**25** SA	1406	1.1
	2249	0.3			
11 SA	1434	1.0	**26** SU	0001	0.1
	2330	0.3		1414	1.1
12 SU	1455	1.0	**27** MO	0036	0.1
				1417	1.1
13 MO	0017	0.2	**28** TU ●	0110	0.1
	1523	1.1		1415	1.0
14 TU ○	0109	0.1	**29** WE	0145	0.2
	1555	1.1		1404	1.0
15 WE	0204	0.1	**30** TH	0222	0.2
	1628	1.1		1334	1.0
			31 FR	0259	0.3
				1318	0.9

56135

PAPUA NEW GUINEA - KAVIENG

LAT 2° 35´ S LONG 150° 48´ E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -1000 YEAR 2027

JANUARY

	Time	m		Time	m
1 FR	1210	0.8	16 SA	1246	0.8
	2219	0.3	◑	2251	0.3
2 SA	1213	0.9	17 SU	1200	0.8
	2219	0.2		2142	0.2
3 SU	1233	0.9	18 MO	1225	1.0
	2224	0.2		2136	0.1
4 MO	1258	1.0	19 TU	1300	1.1
	2230	0.2		2152	0.0
5 TU	1327	1.0	20 WE	1338	1.2
	2236	0.2		2216	0.0
6 WE	1356	1.0	21 TH	1417	1.2
	2241	0.1		2244	0.0
7 TH	1426	1.1	22 FR	1456	1.2
	2252	0.1	○	2311	0.0
8 FR	1455	1.1	23 SA	0542	0.5
●	2306	0.2		0712	0.5
				1531	1.2
				2334	0.1
9 SA	0546	0.4	24 SU	0540	0.5
	0637	0.4		0815	0.5
	1522	1.1		1559	1.1
	2320	0.2		2351	0.2
10 SU	0527	0.4	25 MO	0550	0.5
	0734	0.4		0907	0.5
	1547	1.1		1617	1.0
	2335	0.2		2355	0.3
11 MO	0534	0.5	26 TU	0601	0.6
	0808	0.4		0954	0.5
	1609	1.0		1619	0.8
	2350	0.2		2338	0.4
12 TU	0548	0.5	27 WE	0611	0.7
	0836	0.5		1042	0.6
	1627	1.0		1604	0.7
				2254	0.4
13 WE	0002	0.3	28 TH	0620	0.7
	0608	0.6		1133	0.6
	0902	0.5		1522	0.7
	1637	0.9		2221	0.3
14 TH	0007	0.3	29 FR	0636	0.8
	0639	0.6	◐	2200	0.3
	0926	0.6			
	1625	0.8			
15 FR	0005	0.3	30 SA	0706	0.8
	0740	0.7		2157	0.2
	0935	0.7			
	1511	0.7			
	2349	0.4			
			31 SU	1139	0.8
				2200	0.2

FEBRUARY

	Time	m		Time	m
1 MO	1240	0.8	16 TU	1209	0.9
	2204	0.2		2111	0.1
2 TU	1315	0.9	17 WE	1259	1.0
	2209	0.1		2128	0.0
3 WE	1344	0.9	18 TH	1340	1.1
	2212	0.1		2148	0.0
4 TH	1409	1.0	19 FR	0449	0.6
	2214	0.1		0647	0.5
				1418	1.1
				2206	0.1
5 FR	0503	0.5	20 SA	0419	0.6
	0650	0.5		0747	0.5
	1433	1.0		1454	1.1
	2220	0.2		2223	0.1
6 SA	0434	0.5	21 SU	0418	0.6
	0733	0.5		0837	0.4
	1454	1.1		1525	1.1
	2227	0.2	○	2235	0.2
7 SU	0426	0.5	22 MO	0427	0.7
	0807	0.4		0922	0.4
	1515	1.1		1549	1.0
●	2234	0.2		2238	0.3
8 MO	0427	0.6	23 TU	0437	0.8
	0838	0.4		1005	0.4
	1535	1.1		1559	0.8
	2243	0.2		2227	0.4
9 TU	0433	0.6	24 WE	0444	0.8
	0908	0.4		1044	0.5
	1553	1.0		1557	0.7
	2250	0.3		2158	0.4
10 WE	0444	0.7	25 TH	0450	0.9
	0938	0.5		1120	0.5
	1609	0.9		1542	0.6
	2252	0.3		2134	0.3
11 TH	0500	0.7	26 FR	0501	0.9
	1011	0.5		1155	0.5
	1617	0.8		1510	0.6
	2250	0.3		2117	0.3
12 FR	0520	0.8	27 SA	0512	0.9
	1050	0.6		1234	0.6
	1558	0.7		1412	0.6
	2241	0.3		2113	0.2
13 SA	0548	0.8	28 SU	0521	0.9
	1153	0.6	◐	2116	0.2
	1409	0.6			
	2216	0.3			
14 SU	0629	0.8			
	2128	0.2			
15 MO	0943	0.9			
	2104	0.2			

MARCH

	Time	m		Time	m
1 MO	0526	0.8	16 TU	0628	0.9
	2118	0.2	◑	2018	0.1
2 TU	0526	0.8	17 WE	1146	0.9
	0857	0.7		2032	0.1
	1246	0.8			
	2122	0.2			
3 WE	0515	0.7	18 TH	1250	1.0
	0745	0.7		2048	0.1
	1311	0.8			
	2125	0.2			
4 TH	0455	0.7	19 FR	0357	0.7
	0726	0.6		0703	0.6
	1333	0.9		1334	1.0
	2124	0.2		2102	0.2
5 FR	0417	0.6	20 SA	0326	0.7
	0728	0.6		0748	0.5
	1354	1.0		1412	1.0
	2125	0.2		2114	0.2
6 SA	0351	0.6	21 SU	0319	0.8
	0742	0.5		0829	0.5
	1415	1.0		1446	0.9
	2128	0.2		2122	0.3
7 SU	0339	0.7	22 MO	0324	0.8
	0804	0.5		0909	0.4
	1434	1.0		1515	0.9
	2132	0.2	○	2123	0.4
8 MO	0337	0.7	23 TU	0333	0.9
	0832	0.4		0948	0.4
	1454	1.0		1536	0.8
●	2135	0.3		2113	0.4
9 TU	0339	0.8	24 WE	0341	1.0
	0904	0.4		1024	0.4
	1515	0.9		1542	0.6
	2140	0.3		2052	0.4
10 WE	0347	0.8	25 TH	0350	1.0
	0939	0.4		1057	0.4
	1536	0.9		1538	0.6
	2142	0.3		2033	0.4
11 TH	0401	0.9	26 FR	0402	1.0
	1018	0.4		1128	0.4
	1554	0.8		1524	0.5
	2142	0.3		2019	0.3
12 FR	0419	0.9	27 SA	0414	1.0
	1104	0.5		1201	0.4
	1600	0.6		1456	0.5
	2136	0.3		2017	0.3
13 SA	0441	1.0	28 SU	0426	1.0
	1214	0.5		1251	0.5
	1518	0.5		1355	0.5
	2120	0.3		2021	0.2
14 SU	0507	1.0	29 MO	0435	0.9
	2046	0.3		2023	0.2
15 MO	0539	1.0	30 TU	0440	0.9
	2016	0.2	◐	2025	0.2
			31 WE	0434	0.8
				2028	0.2

APRIL

	Time	m		Time	m
1 TH	0417	0.8	16 FR	0323	0.8
	0814	0.7		0725	0.7
	1220	0.8		1236	0.8
	2024	0.2		1955	0.3
2 FR	0349	0.7	17 SA	0242	0.8
	0737	0.7		0752	0.6
	1252	0.8		1328	0.8
	2021	0.3		2005	0.3
3 SA	0319	0.7	18 SU	0227	0.8
	0741	0.6		0825	0.5
	1319	0.9		1409	0.8
	2022	0.3		2009	0.4
4 SU	0258	0.7	19 MO	0227	0.9
	0758	0.5		0858	0.4
	1344	0.9		1444	0.7
	2024	0.3		2005	0.4
5 MO	0251	0.8	20 TU	0234	1.0
	0824	0.5		0932	0.3
	1409	0.9		1515	0.6
	2024	0.3		1952	0.5
6 TU	0250	0.9	21 WE	0244	1.1
	0856	0.4	○	1005	0.3
	1436	0.8		1538	0.5
	2027	0.3		1933	0.4
7 WE	0256	0.9	22 TH	0255	1.1
	0934	0.4		1037	0.3
	1505	0.7		1548	0.5
●	2031	0.4		1918	0.4
8 TH	0310	1.0	23 FR	0309	1.1
	1018	0.4		1107	0.3
	1534	0.6		1539	0.4
	2032	0.4		1906	0.4
9 FR	0329	1.1	24 SA	0326	1.1
	1110	0.3		1139	0.3
	1601	0.5		1529	0.4
	2029	0.4		1909	0.3
10 SA	0353	1.1	25 SU	0344	1.1
	1216	0.4		1219	0.4
	1615	0.4		1503	0.4
	2015	0.3		1919	0.3
11 SU	0419	1.1	26 MO	0401	1.0
	1942	0.3		1922	0.3
12 MO	0448	1.1	27 TU	0417	1.0
	1901	0.2		1921	0.3
13 TU	0516	1.0	28 WE	0428	0.9
	1907	0.2		1920	0.3
14 WE	0539	0.9	29 TH	0421	0.8
◑	1925	0.2	◐	1911	0.3
15 TH	0505	0.8	30 FR	0345	0.8
	0746	0.8		1904	0.3
	1105	0.8			
	1942	0.2			

56240

PAPUA NEW GUINEA - KAVIENG

LAT 2° 35´ S LONG 150° 48´ E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -1000 YEAR 2027

MAY

	Time	m		Time	m
1 SA	0302	0.8	**16** SU	0140	0.8
	0752	0.7		0856	0.5
	1131	0.7		1358	0.6
	1904	0.3		1848	0.5
2 SU	0226	0.8	**17** MO	0133	0.9
	0755	0.6		0914	0.4
	1230	0.7		1454	0.5
	1905	0.4		1831	0.5
3 MO	0208	0.8	**18** TU	0139	1.0
	0819	0.5		0935	0.3
	1316	0.7		1545	0.5
	1905	0.4		1753	0.5
4 TU	0204	0.9	**19** WE	0149	1.0
	0851	0.4		0959	0.3
	1359	0.6			
	1907	0.4			
5 WE	0207	1.0	**20** TH ○	0203	1.1
	0928	0.3		1024	0.2
	1441	0.6			
	1912	0.4			
6 TH ●	0221	1.1	**21** FR	0221	1.1
	1011	0.3		1051	0.2
	1526	0.5			
	1916	0.4			
7 FR	0244	1.1	**22** SA	0243	1.1
	1100	0.2		1118	0.2
	1614	0.4			
	1914	0.4			
8 SA	0312	1.2	**23** SU	0308	1.1
	1155	0.2		1148	0.2
	1713	0.4			
	1856	0.4			
9 SU	0343	1.2	**24** MO	0335	1.0
	1306	0.2		1223	0.3
10 MO	0415	1.1	**25** TU	0401	1.0
	1459	0.2		1306	0.3
11 TU	0444	1.1	**26** WE	0426	1.0
	1655	0.2		1402	0.3
12 WE	0507	1.0	**27** TH	0445	0.9
	1752	0.2		1518	0.3
13 TH ◑	0459	0.9	**28** FR ◐	0445	0.8
	1821	0.3		1617	0.4
14 FR	0330	0.8	**29** SA	0343	0.8
	1840	0.3		1642	0.4
15 SA	0206	0.8	**30** SU	0223	0.8
	0848	0.6		1654	0.4
	1240	0.6			
	1849	0.4			
			31 MO	0135	0.8
				0926	0.5
				1130	0.5
				1704	0.4

JUNE

	Time	m		Time	m
1 TU	0119	0.9	**16** WE	0059	1.0
	0904	0.4		1023	0.2
	1337	0.5			
	1711	0.4			
2 WE	0120	1.0	**17** TH	0118	1.0
	0927	0.3		1034	0.2
	1451	0.5			
	1717	0.4			
3 TH	0134	1.0	**18** FR	0140	1.0
	1000	0.2		1044	0.2
	1600	0.4			
	1716	0.4			
4 FR	0200	1.1	**19** SA ○	0207	1.0
	1039	0.1		1057	0.2
5 SA ●	0233	1.2	**20** SU	0237	1.1
	1122	0.1		1115	0.2
6 SU	0309	1.2	**21** MO	0307	1.0
	1210	0.1		1134	0.2
7 MO	0345	1.2	**22** TU	0337	1.0
	1301	0.1		1154	0.2
				1813	0.4
				1852	0.4
8 TU	0418	1.1	**23** WE	0404	1.0
	1355	0.2		1215	0.2
				1843	0.4
				1919	0.4
9 WE	0443	1.0	**24** TH	0427	1.0
	1453	0.2		1235	0.3
10 TH	0453	0.9	**25** FR	0442	0.9
	1546	0.3		1252	0.3
11 FR ◑	0416	0.8	**26** SA	0440	0.8
	1616	0.4		1303	0.3
12 SA	0203	0.7	**27** SU ◐	0342	0.7
	1216	0.5		1304	0.4
13 SU	0059	0.8	**28** MO	0149	0.7
	1011	0.4		1247	0.4
14 MO	0041	0.9	**29** TU	0043	0.8
	1002	0.3		1035	0.4
15 TU	0046	0.9	**30** WE	0034	0.9
	1010	0.2		0941	0.3

JULY

	Time	m		Time	m
1 TH	0050	1.0	**16** FR	0115	0.9
	0947	0.1		1029	0.1
2 FR	0118	1.1	**17** SA	0144	1.0
	1010	0.1		1030	0.1
3 SA	0153	1.2	**18** SU	0212	1.0
	1040	0.0		1035	0.1
4 SU ●	0231	1.2	**19** MO ○	0239	1.0
	1114	0.0		1045	0.2
				1701	0.4
				1917	0.4
5 MO	0309	1.2	**20** TU	0304	1.0
	1148	0.0		1054	0.2
				1653	0.5
				1958	0.4
6 TU	0344	1.2	**21** WE	0328	1.0
	1219	0.1		1105	0.2
				1657	0.5
				2030	0.4
7 WE	0412	1.1	**22** TH	0349	1.0
	1242	0.2		1116	0.2
				1707	0.5
				2058	0.5
8 TH	0427	0.9	**23** FR	0406	0.9
	1249	0.3		1125	0.2
				1724	0.6
				2124	0.5
9 FR	0422	0.8	**24** SA	0415	0.9
	1227	0.4		1127	0.3
				1746	0.6
				2151	0.5
10 SA	0331	0.7	**25** SU	0404	0.8
	1111	0.4		1124	0.3
				1815	0.7
				2221	0.6
11 SU ◑	0035	0.7	**26** MO	0306	0.7
	1020	0.3		1111	0.3
	2326	0.8		1903	0.7
				2252	0.7
12 MO	1002	0.2	**27** TU ◐	0103	0.7
	2347	0.8		1032	0.3
				2327	0.8
13 TU	1005	0.2	**28** WE	0935	0.2
14 WE	0016	0.9	**29** TH	0001	0.9
	1013	0.2		0922	0.1
15 TH	0046	0.9	**30** FR	0037	1.0
	1022	0.1		0932	0.1
			31 SA	0114	1.1
				0952	0.0

AUGUST

	Time	m		Time	m
1 SU	0152	1.2	**16** MO	0209	1.0
	1015	0.0		0950	0.2
				1607	0.5
				1928	0.5
2 MO ●	0229	1.2	**17** TU ○	0228	1.0
	1039	0.0		0954	0.2
	1653	0.5		1559	0.6
	1923	0.4		1959	0.4
3 TU	0304	1.2	**18** WE	0247	1.0
	1101	0.1		0958	0.2
	1656	0.5		1558	0.6
	2018	0.4		2029	0.4
4 WE	0333	1.1	**19** TH	0306	1.0
	1116	0.2		1003	0.2
	1708	0.6		1602	0.7
	2106	0.4		2058	0.4
5 TH	0352	0.9	**20** FR	0323	0.9
	1119	0.3		1008	0.3
	1720	0.6		1612	0.7
	2153	0.5		2127	0.5
6 FR	0357	0.8	**21** SA	0337	0.9
	1059	0.4		1009	0.3
	1726	0.7		1628	0.8
	2240	0.5		2156	0.5
7 SA	0341	0.7	**22** SU	0342	0.8
	1012	0.4		1007	0.3
	1732	0.8		1646	0.8
	2332	0.6		2229	0.5
8 SU	0253	0.6	**23** MO	0320	0.7
	0940	0.3		0959	0.3
	1744	0.8		1709	0.9
				2314	0.6
9 MO ◑	0923	0.2	**24** TU	0158	0.6
	1759	0.8		0939	0.3
				1740	0.9
10 TU	0925	0.2	**25** WE ◐	0903	0.2
	1817	0.8		1832	0.9
11 WE	0933	0.1	**26** TH	0841	0.2
	1853	0.8		2337	0.9
	1946	0.8			
12 TH	0024	0.8	**27** FR	0844	0.1
	0940	0.1			
13 FR	0057	0.9	**28** SA	0029	1.0
	0948	0.1		0858	0.1
14 SA	0124	0.9	**29** SU	0109	1.1
	0949	0.1		0915	0.1
				1619	0.6
				1831	0.6
15 SU	0147	1.0	**30** MO	0146	1.1
	0947	0.2		0932	0.1
	1636	0.5		1548	0.6
	1855	0.5		1928	0.5
			31 TU	0221	1.1
				0947	0.2
				1546	0.7
				2016	0.4

56240

PAPUA NEW GUINEA - KAVIENG

LAT 2° 35´ S LONG 150° 48´ E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -1000 YEAR 2027

SEPTEMBER

	Time	m		Time	m
1 WE ●	0252	1.0	**16** TH ○	0224	0.9
	0958	0.3		0851	0.3
	1554	0.7		1507	0.8
	2103	0.4		2049	0.4
2 TH	0317	0.9	**17** FR	0243	0.9
	0958	0.3		0854	0.3
	1604	0.8		1514	0.9
	2147	0.4		2120	0.4
3 FR	0329	0.8	**18** SA	0302	0.8
	0941	0.4		0856	0.3
	1611	0.9		1528	0.9
	2229	0.4		2155	0.4
4 SA	0327	0.7	**19** SU	0317	0.7
	0908	0.4		0855	0.3
	1619	0.9		1545	1.0
	2308	0.5		2234	0.5
5 SU	0305	0.6	**20** MO	0318	0.6
	0844	0.3		0850	0.3
	1629	1.0		1606	1.0
	2348	0.5		2331	0.5
6 MO	0223	0.6	**21** TU	0233	0.5
	0830	0.3		0838	0.3
	1639	0.9		1630	1.0
7 TU	0832	0.2	**22** WE	0813	0.3
	1646	0.9		1658	1.0
8 WE ◑	0839	0.2	**23** TH ◐	0748	0.2
	1650	0.9		1733	0.9
9 TH	0846	0.2	**24** FR	0747	0.2
	1651	0.8		2305	0.9
	2103	0.7			
10 FR	0028	0.8	**25** SA	0758	0.1
	0853	0.2			
	1641	0.7			
	2004	0.7			
11 SA	0050	0.8	**26** SU	0016	0.9
	0856	0.2		0812	0.1
	1625	0.7		1529	0.7
	1932	0.6		1847	0.6
12 SU	0110	0.9	**27** MO	0101	1.0
	0852	0.2		0825	0.2
	1550	0.7		1455	0.7
	1928	0.6		1929	0.5
13 MO	0130	0.9	**28** TU	0140	1.0
	0850	0.2		0836	0.3
	1523	0.7		1447	0.8
	1938	0.5		2009	0.5
14 TU	0149	0.9	**29** WE	0215	0.9
	0851	0.2		0843	0.3
	1511	0.7		1452	0.9
	1956	0.5		2050	0.4
15 WE	0206	0.9	**30** TH ●	0246	0.8
	0851	0.3		0841	0.4
	1508	0.7		1501	1.0
	2020	0.5		2130	0.4

OCTOBER

	Time	m		Time	m
1 FR	0309	0.7	**16** SA	0234	0.7
	0826	0.4		0744	0.4
	1510	1.0		1437	1.0
	2209	0.3		2157	0.4
2 SA	0318	0.6	**17** SU	0301	0.6
	0800	0.4		0745	0.4
	1520	1.1		1456	1.1
	2245	0.4		2244	0.3
3 SU	0310	0.5	**18** MO	0325	0.5
	0739	0.4		0742	0.4
	1533	1.1		1520	1.1
	2320	0.4		2345	0.4
4 MO	0244	0.5	**19** TU	0336	0.4
	0726	0.3		0732	0.3
	1545	1.1		1545	1.1
	2358	0.4			
5 TU	0205	0.5	**20** WE	0706	0.3
	0730	0.3		1613	1.1
	1555	1.0			
6 WE	0738	0.2	**21** TH	0631	0.3
	1602	1.0		1640	1.0
7 TH ◑	0745	0.2	**22** FR	0635	0.2
	1606	0.9		1659	0.9
8 FR	0751	0.2	**23** SA ◐	0649	0.2
	1558	0.8		1638	0.8
	2215	0.7			
	2307	0.7			
9 SA	0755	0.2	**24** SU	0704	0.2
	1540	0.8		1456	0.8
	2027	0.7		1923	0.7
10 SU	0006	0.7	**25** MO	0002	0.8
	0751	0.3		0717	0.3
	1516	0.8		1411	0.8
	1946	0.6		1940	0.6
11 MO	0035	0.8	**26** TU	0100	0.8
	0746	0.3		0727	0.4
	1449	0.8		1356	0.9
	1944	0.6		2010	0.5
12 TU	0100	0.8	**27** WE	0145	0.7
	0745	0.3		0729	0.4
	1429	0.8		1356	1.0
	1958	0.5		2043	0.4
13 WE	0123	0.8	**28** TH	0225	0.7
	0742	0.3		0723	0.5
	1423	0.8		1405	1.0
	2019	0.5		2118	0.3
14 TH	0146	0.8	**29** FR ●	0301	0.6
	0740	0.4		0707	0.5
	1420	0.9		1416	1.1
	2046	0.4		2153	0.3
15 FR ○	0209	0.7	**30** SA	0333	0.5
	0741	0.4		0641	0.5
	1424	1.0		1429	1.1
	2119	0.4		2227	0.3
			31 SU	0354	0.4
				0617	0.4
				1445	1.1
				2301	0.3

NOVEMBER

	Time	m		Time	m
1 MO	0339	0.4	**16** TU	0454	0.4
	0603	0.4		0616	0.4
	1502	1.1		1515	1.2
	2335	0.3			
2 TU	0310	0.4	**17** WE	0031	0.2
	0612	0.3		1547	1.2
	1519	1.1			
3 WE	0020	0.3	**18** TH	0204	0.2
	0222	0.4		1618	1.1
	0626	0.3			
	1535	1.0			
4 TH	0635	0.3	**19** FR	0355	0.2
	1548	1.0		1642	1.0
5 FR	0642	0.3	**20** SA	0501	0.3
	1555	0.9		1643	0.9
6 SA ◑	0644	0.3	**21** SU ◐	0535	0.3
	1538	0.9		1529	0.8
7 SU	0635	0.3	**22** MO	0556	0.4
	1504	0.8		1338	0.8
				2104	0.6
8 MO	0628	0.3	**23** TU	0014	0.6
	1429	0.8		0608	0.4
	2049	0.6		1311	0.9
	2323	0.6		2053	0.5
9 TU	0627	0.4	**24** WE	0155	0.6
	1400	0.8		0604	0.5
	2015	0.6		1306	1.0
				2108	0.4
10 WE	0024	0.6	**25** TH	0307	0.5
	0624	0.4		0546	0.5
	1344	0.9		1315	1.0
	2029	0.5		2129	0.3
11 TH	0108	0.6	**26** FR	1329	1.1
	0619	0.4		2153	0.2
	1340	0.9			
	2054	0.4			
12 FR	0149	0.6	**27** SA	1346	1.1
	0620	0.4		2219	0.2
	1341	1.0			
	2124	0.3			
13 SA	0228	0.5	**28** SU ●	1406	1.1
	0624	0.4		2247	0.2
	1353	1.1			
	2200	0.3			
14 SU ○	0309	0.5	**29** MO	1429	1.1
	0627	0.4		2315	0.2
	1415	1.2			
	2241	0.2			
15 MO	0354	0.4	**30** TU	1455	1.1
	0628	0.4		2344	0.2
	1444	1.2			
	2330	0.2			

DECEMBER

	Time	m		Time	m
1 WE	1521	1.1	**16** TH	0023	0.1
				1601	1.2
2 TH	0014	0.3	**17** FR	0105	0.2
	1546	1.0		1628	1.1
3 FR	0047	0.3	**18** SA	0144	0.3
	1607	1.0		1644	1.0
4 SA	0123	0.3	**19** SU	0211	0.3
	1620	0.9		1630	0.8
5 SU	0202	0.3	**20** MO ◐	0215	0.4
	1609	0.8		1431	0.7
6 MO ◑	0237	0.4	**21** TU	0009	0.5
	1508	0.8		1231	0.8
				2211	0.4
7 TU	0303	0.4	**22** WE	1217	0.9
	1403	0.8		2150	0.3
8 WE	0321	0.4	**23** TH	1229	0.9
	1322	0.8		2156	0.2
	2242	0.5			
9 TH	0014	0.5	**24** FR	1250	1.0
	0330	0.4		2211	0.2
	1306	0.9			
	2136	0.4			
10 FR	0234	0.5	**25** SA	1315	1.0
	0317	0.5		2227	0.1
	1306	1.0			
	2138	0.3			
11 SA	1318	1.1	**26** SU	1342	1.1
	2159	0.2		2242	0.1
12 SU	1342	1.1	**27** MO	1410	1.1
	2228	0.1		2255	0.1
13 MO	1414	1.2	**28** TU ●	1439	1.1
	2303	0.1		2310	0.2
14 TU ○	1450	1.2	**29** WE	1506	1.1
	2342	0.1		2326	0.2
15 WE	1527	1.2	**30** TH	1533	1.1
				2341	0.2
			31 FR	1557	1.0
				2356	0.2

56240

PAPUA NEW GUINEA - KIETA HARBOUR

LAT 6° 13´ S LONG 155° 38´ E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -1000 YEAR 2027

JANUARY

	Time	m		Time	m		Time	m		Time	m
1 FR	0141	0.6	**16** SA ◑	0049	0.4	**1** MO	1148	1.1	**16** TU	1057	1.2
	1005	1.1		0809	1.1		2046	0.4		2004	0.3
				1431	0.8						
				1736	0.8						
2 SA	0215	0.6	**17** SU	0118	0.5	**2** TU	0406	0.8	**17** WE	0244	0.8
	1117	1.2		0945	1.2		0522	0.8		0516	0.8
	2013	0.6		2008	0.6		1252	1.2		1230	1.4
				2356	0.6		2040	0.3		2016	0.2
3 SU	0143	0.7	**18** MO	0241	0.6	**3** WE	0302	0.8	**18** TH	0228	0.9
	0404	0.7		1121	1.3		0657	0.7		0647	0.7
	1211	1.3		1958	0.4		1332	1.3		1323	1.5
	2020	0.4					2047	0.2		2037	0.1
4 MO	0210	0.7	**19** TU	0146	0.7	**4** TH	0301	0.9	**19** FR	0242	1.0
	0533	0.7		0509	0.7		0736	0.6		0737	0.5
	1254	1.3		1230	1.4		1404	1.4		1405	1.6
	2033	0.3		2020	0.2		2102	0.2		2100	0.1
5 TU	0232	0.8	**20** WE	0219	0.8	**5** FR	0313	1.0	**20** SA	0302	1.1
	0633	0.6		0629	0.6		0806	0.6		0818	0.4
	1331	1.4		1322	1.6		1433	1.5		1442	1.7
	2051	0.3		2048	0.1		2121	0.1		2123	0.1
6 WE	0255	0.8	**21** TH	0249	0.9	**6** SA	0330	1.0	**21** SU ○	0326	1.2
	0717	0.6		0725	0.5		0833	0.5		0855	0.3
	1405	1.5		1407	1.7		1500	1.6		1516	1.7
	2113	0.2		2118	0.0		2141	0.1		2146	0.1
7 TH	0319	0.9	**22** FR ○	0320	1.0	**7** SU ●	0348	1.1	**22** MO	0351	1.3
	0753	0.6		0812	0.5		0859	0.4		0931	0.3
	1437	1.5		1449	1.8		1526	1.6		1548	1.6
	2137	0.1		2149	0.0		2202	0.1		2207	0.2
8 FR ●	0343	0.9	**23** SA	0350	1.0	**8** MO	0406	1.1	**23** TU	0416	1.3
	0825	0.5		0854	0.4		0926	0.4		1006	0.3
	1508	1.6		1527	1.8		1550	1.6		1617	1.4
	2202	0.1		2218	0.0		2221	0.1		2226	0.2
9 SA	0407	0.9	**24** SU	0420	1.1	**9** TU	0425	1.2	**24** WE	0441	1.4
	0855	0.5		0934	0.4		0953	0.4		1040	0.3
	1536	1.6		1603	1.7		1614	1.5		1642	1.3
	2228	0.1		2246	0.1		2240	0.2		2239	0.3
10 SU	0430	0.9	**25** MO	0450	1.1	**10** WE	0445	1.2	**25** TH	0504	1.4
	0924	0.5		1013	0.4		1023	0.4		1114	0.4
	1604	1.6		1636	1.6		1636	1.4		1659	1.1
	2253	0.1		2310	0.2		2257	0.2		2246	0.4
11 MO	0454	1.0	**26** TU	0520	1.2	**11** TH	0509	1.3	**26** FR	0526	1.3
	0953	0.5		1051	0.5		1055	0.4		1147	0.5
	1629	1.5		1705	1.4		1657	1.3		1703	1.0
	2317	0.2		2331	0.3		2314	0.3		2246	0.4
12 TU	0519	1.0	**27** WE	0550	1.2	**12** FR	0536	1.3	**27** SA	0545	1.3
	1024	0.5		1130	0.5		1132	0.5		1221	0.6
	1653	1.4		1727	1.2		1714	1.1		1650	0.8
	2340	0.2		2344	0.4		2328	0.3		2239	0.5
13 WE	0547	1.0	**28** TH	0621	1.2	**13** SA	0608	1.3	**28** SU ◐	0604	1.2
	1057	0.6		1212	0.6		1218	0.6		1315	0.7
	1716	1.3		1734	1.0		1722	0.9		1610	0.8
				2348	0.5		2336	0.4		2213	0.5
14 TH	0002	0.3	**29** FR ◐	0656	1.2	**14** SU ◑	0653	1.2			
	0621	1.1		1306	0.7		1343	0.7			
	1137	0.6		1713	0.9		1648	0.8			
	1736	1.2		2338	0.5		2324	0.5			
15 FR	0025	0.4	**30** SA	0744	1.1	**15** MO	0818	1.2			
	0704	1.1		2303	0.5		2030	0.5			
	1231	0.7									
	1751	1.0									
			31 SU	0930	1.1						
				2116	0.5						

FEBRUARY

	Time	m		Time	m		Time	m		Time	m
1 MO	0624	1.1	**16** TU ◑	0723	1.2	**1** TH	0303	0.9	**16** FR	0124	1.0
	2104	0.5		1935	0.4		0659	0.9		0608	0.8
							1156	1.0		1157	1.2
							1921	0.4		1900	0.3
2 TU	1116	1.0	**17** WE	1047	1.2	**2** FR	0211	1.0	**17** SA	0122	1.1
	2027	0.4		1934	0.3		0707	0.7		0656	0.6
							1243	1.1		1251	1.2
							1930	0.3		1920	0.3
3 WE	0343	0.9	**18** TH	0218	0.9	**3** SA	0204	1.1	**18** SU	0136	1.3
	0652	0.8		0559	0.8		0726	0.6		0733	0.5
	1243	1.1		1223	1.3		1317	1.2		1331	1.3
	2015	0.3		1948	0.2		1945	0.2		1939	0.3
4 TH	0248	0.9	**19** FR	0204	1.0	**4** SU	0210	1.2	**19** MO	0156	1.4
	0717	0.7		0659	0.6		0748	0.5		0807	0.3
	1319	1.2		1313	1.4		1346	1.3		1407	1.3
	2019	0.3		2006	0.2		2003	0.2		1959	0.3
5 FR	0240	1.0	**20** SA	0214	1.1	**5** MO	0222	1.3	**20** TU	0218	1.5
	0740	0.6		0739	0.5		0812	0.4		0840	0.2
	1348	1.4		1352	1.5		1415	1.4		1440	1.2
	2032	0.2		2025	0.2		2021	0.2		2018	0.3
6 SA	0248	1.1	**21** SU	0232	1.3	**6** TU	0236	1.4	**21** WE ○	0242	1.6
	0803	0.5		0814	0.4		0838	0.3		0912	0.2
	1415	1.4		1426	1.5		1443	1.3		1512	1.1
	2048	0.1		2045	0.2		2040	0.2		2036	0.4
7 SU	0301	1.1	**22** MO	0253	1.4	**7** WE ●	0254	1.4	**22** TH	0306	1.6
	0827	0.4		0848	0.3		0907	0.2		0944	0.2
	1441	1.5		1459	1.5		1512	1.3		1541	1.0
	2106	0.1		2105	0.2		2059	0.2		2052	0.4
8 MO ●	0315	1.2	**23** TU	0316	1.5	**8** TH	0316	1.5	**23** FR	0330	1.6
	0851	0.4		0922	0.2		0939	0.2		1016	0.2
	1506	1.5		1529	1.4		1540	1.2		1608	1.0
	2124	0.1		2123	0.3		2118	0.3		2105	0.4
9 TU	0331	1.3	**24** WE	0340	1.5	**9** FR	0341	1.6	**24** SA	0354	1.5
	0917	0.3		0955	0.2		1013	0.2		1047	0.3
	1531	1.5		1557	1.3		1610	1.1		1630	0.9
	2141	0.1		2138	0.3		2136	0.3		2117	0.5
10 WE	0350	1.4	**25** TH	0403	1.5	**10** SA	0409	1.6	**25** SU	0416	1.5
	0946	0.3		1027	0.2		1052	0.2		1119	0.3
	1555	1.4		1621	1.1		1640	0.9		1650	0.8
	2158	0.2		2149	0.4		2152	0.4		2130	0.5
11 TH	0411	1.4	**26** FR	0424	1.5	**11** SU	0440	1.6	**26** MO	0439	1.4
	1017	0.3		1057	0.3		1135	0.3		1156	0.4
	1619	1.3		1638	1.0		1710	0.8		1710	0.7
	2215	0.2		2156	0.4		2202	0.4		2138	0.6
12 FR	0434	1.5	**27** SA	0443	1.4	**12** MO	0515	1.5	**27** TU	0504	1.3
	1050	0.3		1128	0.4		1233	0.4		1247	0.5
	1642	1.1		1646	0.9		1743	0.7		1742	0.7
	2229	0.3		2200	0.4		2155	0.5		2118	0.6
13 SA	0501	1.5	**28** SU	0501	1.4	**13** TU	0557	1.3	**28** WE	0530	1.2
	1128	0.4		1159	0.5		1726	0.5		1444	0.6
	1700	1.0		1644	0.8						
	2240	0.4		2159	0.5						
14 SU	0532	1.4	**29** MO	0518	1.2	**14** WE ◑	0715	1.2	**29** TH ◐	0602	1.0
	1216	0.5		1244	0.6		1816	0.4		1711	0.5
	1706	0.8		1626	0.7						
	2240	0.4		2135	0.5						
15 MO	0611	1.3	**30** TU ◐	0533	1.1	**15** TH	1018	1.1	**30** FR	0237	0.9
	1353	0.6		2015	0.5		1840	0.4		0554	0.9
	1603	0.7								1005	1.0
	2156	0.5								1753	0.4
			31 WE	0526	1.0						
				1930	0.5						

MARCH

	Time	m		Time	m		Time	m		Time	m
1 MO	0624	1.1	**16** TU ◑	0723	1.2	**1** TH	0303	0.9	**16** FR	0124	1.0
	2104	0.5		1935	0.4		0659	0.9		0608	0.8
							1156	1.0		1157	1.2
							1921	0.4		1900	0.3
2 TU	1116	1.0	**17** WE	1047	1.2	**2** FR	0211	1.0	**17** SA	0122	1.1
	2027	0.4		1934	0.3		0707	0.7		0656	0.6
							1243	1.1		1251	1.2
							1930	0.3		1920	0.3
3 WE	0343	0.9	**18** TH	0218	0.9	**3** SA	0204	1.1	**18** SU	0136	1.3
	0652	0.8		0559	0.8		0726	0.6		0733	0.5
	1243	1.1		1223	1.3		1317	1.2		1331	1.3
	2015	0.3		1948	0.2		1945	0.2		1939	0.3
4 TH	0248	0.9	**19** FR	0204	1.0	**4** SU	0210	1.2	**19** MO	0156	1.4
	0717	0.7		0659	0.6		0748	0.5		0807	0.3
	1319	1.2		1313	1.4		1346	1.3		1407	1.3
	2019	0.3		2006	0.2		2003	0.2		1959	0.3
5 FR	0240	1.0	**20** SA	0214	1.1	**5** MO	0222	1.3	**20** TU	0218	1.5
	0740	0.6		0739	0.5		0812	0.4		0840	0.2
	1348	1.4		1352	1.5		1415	1.4		1440	1.2
	2032	0.2		2025	0.2		2021	0.2		2018	0.3
6 SA	0248	1.1	**21** SU	0232	1.3	**6** TU	0236	1.4	**21** WE ○	0242	1.6
	0803	0.5		0814	0.4		0838	0.3		0912	0.2
	1415	1.4		1426	1.5		1443	1.3		1512	1.1
	2048	0.1		2045	0.2		2040	0.2		2036	0.4
7 SU	0301	1.1	**22** MO	0253	1.4	**7** WE ●	0254	1.4	**22** TH	0306	1.6
	0827	0.4		0848	0.3		0907	0.2		0944	0.2
	1441	1.5		1459	1.5		1512	1.3		1541	1.0
	2106	0.1		2105	0.2		2059	0.2		2052	0.4
8 MO ●	0315	1.2	**23** TU	0316	1.5	**8** TH	0316	1.5	**23** FR	0330	1.6
	0851	0.4		0922	0.2		0939	0.2		1016	0.2
	1506	1.5		1529	1.4		1540	1.2		1608	1.0
	2124	0.1		2123	0.3		2118	0.3		2105	0.4
9 TU	0331	1.3	**24** WE	0340	1.5	**9** FR	0341	1.6	**24** SA	0354	1.5
	0917	0.3		0955	0.2		1013	0.2		1047	0.3
	1531	1.5		1557	1.3		1610	1.1		1630	0.9
	2141	0.1		2138	0.3		2136	0.3		2117	0.5
10 WE	0350	1.4	**25** TH	0403	1.5	**10** SA	0409	1.6	**25** SU	0416	1.5
	0946	0.3		1027	0.2		1052	0.2		1119	0.3
	1555	1.4		1621	1.1		1640	0.9		1650	0.8
	2158	0.2		2149	0.4		2152	0.4		2130	0.5
11 TH	0411	1.4	**26** FR	0424	1.5	**11** SU	0440	1.6	**26** MO	0439	1.4
	1017	0.3		1057	0.3		1135	0.3		1156	0.4
	1619	1.3		1638	1.0		1710	0.8		1710	0.7
	2215	0.2		2156	0.4		2202	0.4		2138	0.6
12 FR	0434	1.5	**27** SA	0443	1.4	**12** MO	0515	1.5	**27** TU	0504	1.3
	1050	0.3		1128	0.4		1233	0.4		1247	0.5
	1642	1.1		1646	0.9		1743	0.7		1742	0.7
	2229	0.3		2200	0.4		2155	0.5		2118	0.6
13 SA	0501	1.5	**28** SU	0501	1.4	**13** TU	0557	1.3	**28** WE	0530	1.2
	1128	0.4		1159	0.5		1726	0.5		1444	0.6
	1700	1.0		1644	0.8						
	2240	0.4		2159	0.5						
14 SU	0532	1.4	**29** MO	0518	1.2	**14** WE ◑	0715	1.2	**29** TH ◐	0602	1.0
	1216	0.5		1244	0.6		1816	0.4		1711	0.5
	1706	0.8		1626	0.7						
	2240	0.4		2135	0.5						
15 MO	0611	1.3	**30** TU ◐	0533	1.1	**15** TH	1018	1.1	**30** FR	0237	0.9
	1353	0.6		2015	0.5		1840	0.4		0554	0.9
	1603	0.7								1005	1.0
	2156	0.5								1753	0.4
			31 WE	0526	1.0						
				1930	0.5						

APRIL

	Time	m		Time	m
1 TH	0303	0.9	**16** FR	0124	1.0
	0659	0.9		0608	0.8
	1156	1.0		1157	1.2
	1921	0.4		1900	0.3
2 FR	0211	1.0	**17** SA	0122	1.1
	0707	0.7		0656	0.6
	1243	1.1		1251	1.2
	1930	0.3		1920	0.3
3 SA	0204	1.1	**18** SU	0136	1.3
	0726	0.6		0733	0.5
	1317	1.2		1331	1.3
	1945	0.2		1939	0.3
4 SU	0210	1.2	**19** MO	0156	1.4
	0748	0.5		0807	0.3
	1346	1.3		1407	1.3
	2003	0.2		1959	0.3
5 MO	0222	1.3	**20** TU	0218	1.5
	0812	0.4		0840	0.2
	1415	1.4		1440	1.2
	2021	0.2		2018	0.3
6 TU	0236	1.4	**21** WE ○	0242	1.6
	0838	0.3		0912	0.2
	1443	1.3		1512	1.1
	2040	0.2		2036	0.4
7 WE ●	0254	1.4	**22** TH	0306	1.6
	0907	0.2		0944	0.2
	1512	1.3		1541	1.0
	2059	0.2		2052	0.4
8 TH	0316	1.5	**23** FR	0330	1.6
	0939	0.2		1016	0.2
	1540	1.2		1608	1.0
	2118	0.3		2105	0.4
9 FR	0341	1.6	**24** SA	0354	1.5
	1013	0.2		1047	0.3
	1610	1.1		1630	0.9
	2136	0.3		2117	0.5
10 SA	0409	1.6	**25** SU	0416	1.5
	1052	0.2		1119	0.3
	1640	0.9		1650	0.8
	2152	0.4		2130	0.5
11 SU	0440	1.6	**26** MO	0439	1.4
	1135	0.3		1156	0.4
	1710	0.8		1710	0.7
	2202	0.4		2138	0.6
12 MO	0515	1.5	**27** TU	0504	1.3
	1233	0.4		1247	0.5
	1743	0.7		1742	0.7
	2155	0.5		2118	0.6
13 TU	0557	1.3	**28** WE	0530	1.2
	1726	0.5		1444	0.6
14 WE ◑	0715	1.2	**29** TH ◐	0602	1.0
	1816	0.4		1711	0.5
15 TH	1018	1.1	**30** FR	0237	0.9
	1840	0.4		0554	0.9
				1005	1.0
				1753	0.4

56350

PAPUA NEW GUINEA - KIETA HARBOUR

LAT 6° 13´ S LONG 155° 38´ E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -1000 YEAR 2027

MAY

	Time	m		Time	m
1 SA	0120 1.0 0634 0.8 1138 1.0 1820 0.4		**16** SU	0031 1.2 0650 0.6 1222 1.0 1819 0.5
2 SU	0113 1.1 0701 0.7 1230 1.1 1844 0.3		**17** MO	0053 1.3 0729 0.5 1311 1.0 1844 0.5
3 MO	0122 1.2 0728 0.5 1311 1.1 1907 0.3		**18** TU	0119 1.4 0803 0.3 1353 1.0 1909 0.5
4 TU	0136 1.3 0757 0.4 1348 1.1 1930 0.3		**19** WE	0146 1.5 0835 0.3 1429 1.0 1932 0.5
5 WE	0156 1.5 0827 0.3 1423 1.1 1954 0.3		**20** TH ○	0213 1.6 0907 0.2 1504 0.9 1954 0.5
6 TH ●	0220 1.6 0901 0.2 1459 1.1 2018 0.3		**21** FR	0241 1.6 0939 0.2 1536 0.9 2016 0.5
7 FR	0249 1.6 0938 0.1 1536 1.0 2044 0.4		**22** SA	0310 1.6 1011 0.2 1607 0.9 2037 0.5
8 SA	0321 1.7 1017 0.1 1614 0.9 2109 0.4		**23** SU	0338 1.5 1043 0.2 1637 0.8 2101 0.5
9 SU	0356 1.7 1101 0.2 1655 0.8 2132 0.5		**24** MO	0407 1.5 1117 0.3 1710 0.8 2126 0.6
10 MO	0434 1.6 1150 0.3 1745 0.7 2152 0.5		**25** TU	0437 1.4 1155 0.3 1750 0.8 2152 0.6
11 TU	0516 1.5 1252 0.4 1903 0.7 2156 0.6		**26** WE	0507 1.3 1238 0.4 1852 0.8 2215 0.7
12 WE	0605 1.3 1424 0.5		**27** TH	0540 1.2 1332 0.4 2107 0.8 2225 0.8
13 TH ◑	0716 1.2 1620 0.5		**28** FR ◐	0617 1.1 1441 0.5
14 FR	0020 0.9 0308 0.9 0920 1.1 1717 0.5		**29** SA	0722 1.0 1549 0.5 2343 1.0
15 SA	0014 1.1 0554 0.8 1111 1.0 1751 0.5		**30** SU	0527 0.8 0945 0.9 1644 0.5
			31 MO	0001 1.1 0636 0.7 1127 0.9 1727 0.4

JUNE

	Time	m		Time	m
1 TU	0023 1.2 0715 0.5 1237 0.9 1804 0.4		**16** WE	0047 1.4 0812 0.4 1357 0.8 1822 0.6
2 WE	0050 1.4 0749 0.4 1330 0.9 1840 0.4		**17** TH	0122 1.5 0840 0.3 1435 0.8 1858 0.6
3 TH	0122 1.5 0825 0.2 1416 0.9 1915 0.4		**18** FR	0156 1.5 0908 0.2 1508 0.8 1932 0.6
4 FR	0157 1.6 0903 0.1 1459 0.9 1950 0.4		**19** SA ○	0230 1.5 0937 0.2 1539 0.8 2005 0.5
5 SA ●	0235 1.7 0942 0.1 1541 0.9 2026 0.4		**20** SU	0303 1.5 1007 0.2 1610 0.9 2038 0.5
6 SU	0314 1.7 1024 0.1 1624 0.9 2103 0.5		**21** MO	0335 1.5 1037 0.2 1640 0.9 2110 0.5
7 MO	0356 1.7 1107 0.1 1709 0.8 2141 0.5		**22** TU	0406 1.5 1107 0.2 1710 0.9 2144 0.6
8 TU	0438 1.6 1152 0.2 1759 0.8 2223 0.6		**23** WE	0435 1.5 1137 0.2 1743 0.9 2218 0.6
9 WE	0520 1.5 1239 0.3 1859 0.8 2313 0.7		**24** TH	0503 1.4 1207 0.3 1821 0.9 2254 0.7
10 TH	0604 1.4 1328 0.4 2017 0.9		**25** FR	0529 1.3 1238 0.3 1906 0.9 2337 0.7
11 FR ◑	0026 0.8 0653 1.2 1421 0.5 2140 1.0		**26** SA	0554 1.2 1311 0.4 2003 1.0
12 SA	0233 0.8 0803 1.0 1517 0.5 2244 1.1		**27** SU ◐	0038 0.8 0619 1.0 1350 0.4 2112 1.0
13 SU	0538 0.8 0959 0.9 1611 0.6 2331 1.2		**28** MO	0253 0.8 0652 0.9 1442 0.5 2222 1.1
14 MO	0701 0.6 1156 0.8 1659 0.6		**29** TU	0643 0.7 1000 0.7 1550 0.5 2322 1.2
15 TU	0011 1.3 0741 0.5 1310 0.8 1742 0.6		**30** WE	0724 0.5 1226 0.7 1700 0.6

JULY

	Time	m		Time	m
1 TH	0014 1.4 0757 0.4 1337 0.8 1801 0.5		**16** FR	0114 1.4 0846 0.3 1451 0.8 1900 0.6
2 FR	0102 1.5 0831 0.2 1424 0.8 1855 0.5		**17** SA	0152 1.4 0905 0.2 1511 0.9 1941 0.6
3 SA	0147 1.6 0906 0.1 1505 0.9 1943 0.5		**18** SU	0227 1.5 0928 0.2 1534 0.9 2017 0.5
4 SU ●	0231 1.7 0943 0.0 1543 0.9 2029 0.5		**19** MO ○	0259 1.5 0952 0.1 1558 0.9 2049 0.5
5 MO	0314 1.8 1019 0.0 1621 0.9 2113 0.5		**20** TU	0328 1.5 1017 0.1 1622 1.0 2120 0.5
6 TU	0355 1.7 1055 0.1 1659 1.0 2157 0.5		**21** WE	0356 1.5 1041 0.1 1645 1.0 2150 0.5
7 WE	0434 1.6 1129 0.2 1737 1.0 2242 0.5		**22** TH	0421 1.5 1103 0.2 1709 1.0 2221 0.5
8 TH	0512 1.5 1201 0.3 1818 1.0 2330 0.6		**23** FR	0445 1.4 1124 0.2 1735 1.1 2253 0.5
9 FR	0546 1.3 1230 0.4 1904 1.1		**24** SA	0506 1.3 1144 0.3 1804 1.1 2330 0.6
10 SA	0026 0.7 0617 1.1 1255 0.5 1957 1.1		**25** SU	0525 1.2 1204 0.3 1839 1.1
11 SU ◑	0145 0.8 0636 0.9 1313 0.5 2104 1.1		**26** MO	0016 0.7 0540 1.0 1223 0.4 1928 1.1
12 MO	1317 0.6 2221 1.2		**27** TU ◐	0133 0.7 0540 0.9 1242 0.5 2045 1.2
13 TU	0812 0.6 2333 1.2		**28** WE	1252 0.6 2230 1.2
14 WE	0818 0.5 1437 0.7 1628 0.7		**29** TH	0753 0.5 1346 0.7 1601 0.7 2356 1.3
15 TH	0030 1.3 0830 0.4 1437 0.8 1803 0.7		**30** FR	0805 0.3 1404 0.8 1754 0.6
			31 SA	0056 1.5 0830 0.2 1430 0.9 1900 0.6

AUGUST

	Time	m		Time	m
1 SU	0145 1.6 0858 0.1 1458 1.0 1950 0.5		**16** MO	0218 1.5 0902 0.2 1512 1.0 2021 0.5
2 MO ●	0228 1.7 0927 0.0 1528 1.0 2035 0.4		**17** TU ○	0245 1.5 0923 0.1 1530 1.1 2048 0.4
3 TU	0308 1.7 0956 0.0 1558 1.1 2117 0.4		**18** WE	0312 1.5 0943 0.1 1549 1.1 2115 0.4
4 WE	0345 1.7 1024 0.1 1629 1.2 2157 0.4		**19** TH	0337 1.5 1002 0.1 1608 1.2 2142 0.4
5 TH	0420 1.6 1050 0.2 1700 1.2 2238 0.4		**20** FR	0400 1.5 1020 0.2 1628 1.2 2211 0.4
6 FR	0452 1.4 1113 0.3 1731 1.2 2319 0.5		**21** SA	0421 1.4 1037 0.2 1650 1.3 2241 0.4
7 SA	0519 1.2 1129 0.4 1803 1.2		**22** SU	0441 1.2 1052 0.3 1714 1.3 2316 0.5
8 SU	0003 0.6 0537 1.0 1136 0.5 1837 1.2		**23** MO	0458 1.1 1106 0.3 1744 1.3 2357 0.6
9 MO ◑	0057 0.7 0526 0.9 1127 0.5 1920 1.2		**24** TU	0508 0.9 1115 0.4 1823 1.3
10 TU	0301 0.7 0359 0.8 1054 0.5 2043 1.1		**25** WE ◐	0103 0.7 0455 0.8 1112 0.5 1930 1.2
11 WE	0857 0.5 2305 1.1		**26** TH	0854 0.5 2158 1.2
12 TH	0830 0.4		**27** FR	0743 0.4 1447 0.8 1610 0.8 2353 1.3
13 FR	0028 1.2 0826 0.4 1453 0.8 1839 0.7		**28** SA	0751 0.3 1404 0.9 1815 0.7
14 SA	0113 1.3 0831 0.3 1445 0.9 1921 0.6		**29** SU	0054 1.5 0810 0.2 1415 1.0 1910 0.5
15 SU	0147 1.4 0844 0.2 1455 1.0 1953 0.6		**30** MO	0138 1.6 0833 0.1 1436 1.1 1954 0.4
			31 TU	0217 1.6 0857 0.1 1500 1.2 2033 0.3

56350

PAPUA NEW GUINEA - KIETA HARBOUR

LAT 6° 13´ S LONG 155° 38´ E

TIME ZONE -1000

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

YEAR 2027

SEPTEMBER

	Time	m		Time	m
1 WE ●	0254	1.6	**16** TH ○	0249	1.4
	0920	0.1		0901	0.2
	1526	1.3		1511	1.3
	2111	0.3		2103	0.3
2 TH	0328	1.6	**17** FR	0314	1.4
	0943	0.2		0918	0.2
	1553	1.4		1529	1.4
	2148	0.3		2131	0.3
3 FR	0400	1.4	**18** SA	0337	1.3
	1004	0.2		0935	0.2
	1620	1.4		1549	1.4
	2225	0.3		2200	0.3
4 SA	0428	1.3	**19** SU	0400	1.2
	1020	0.3		0950	0.3
	1645	1.4		1611	1.5
	2301	0.4		2232	0.3
5 SU	0451	1.1	**20** MO	0422	1.1
	1029	0.4		1005	0.3
	1709	1.4		1637	1.5
	2338	0.5		2308	0.4
6 MO	0501	0.9	**21** TU	0442	0.9
	1027	0.5		1016	0.4
	1731	1.3		1707	1.4
				2352	0.5
7 TU	0018	0.6	**22** WE	0453	0.8
	0446	0.8		1019	0.4
	1017	0.5		1744	1.3
	1749	1.2			
8 WE ◑	0124	0.7	**23** TH ◐	0107	0.6
	0358	0.7		0424	0.7
	0947	0.5		0955	0.5
	1808	1.1		1844	1.2
9 TH	0828	0.5	**24** FR	0712	0.5
	2232	1.0		2142	1.1
10 FR	0800	0.4	**25** SA	0703	0.4
	1517	0.9		1356	0.9
	1837	0.8		1714	0.8
				2344	1.2
11 SA	0018	1.1	**26** SU	0717	0.3
	0751	0.4		1335	1.0
	1425	0.9		1829	0.7
	1901	0.7			
12 SU	0058	1.2	**27** MO	0041	1.4
	0755	0.3		0735	0.2
	1417	1.0		1345	1.2
	1925	0.6		1913	0.5
13 MO	0129	1.3	**28** TU	0124	1.5
	0808	0.2		0756	0.2
	1425	1.1		1404	1.3
	1949	0.5		1951	0.4
14 TU	0157	1.4	**29** WE	0201	1.5
	0825	0.2		0817	0.2
	1439	1.2		1427	1.4
	2013	0.4		2027	0.3
15 WE	0223	1.4	**30** TH ●	0236	1.4
	0843	0.1		0839	0.2
	1455	1.2		1452	1.5
	2038	0.4		2102	0.2

OCTOBER

	Time	m		Time	m
1 FR	0309	1.4	**16** SA	0254	1.2
	0859	0.3		0835	0.3
	1517	1.6		1455	1.5
	2137	0.2		2122	0.2
2 SA	0340	1.2	**17** SU	0321	1.1
	0916	0.3		0853	0.3
	1542	1.6		1518	1.6
	2211	0.2		2155	0.2
3 SU	0407	1.1	**18** MO	0350	1.0
	0929	0.4		0911	0.3
	1606	1.5		1545	1.6
	2245	0.3		2230	0.2
4 MO	0429	1.0	**19** TU	0418	0.9
	0935	0.4		0928	0.4
	1627	1.5		1616	1.6
	2318	0.4		2312	0.3
5 TU	0441	0.8	**20** WE	0449	0.8
	0937	0.5		0941	0.4
	1645	1.4		1650	1.5
	2354	0.5			
6 WE	0436	0.7	**21** TH	0003	0.4
	0934	0.5		0524	0.7
	1701	1.3		0944	0.5
				1731	1.4
7 TH ◑	0045	0.6	**22** FR	0132	0.5
	0414	0.7		0733	0.6
	0905	0.6		0838	0.6
	1714	1.1		1834	1.2
8 FR	0734	0.5	**23** SA ◐	0530	0.5
	1704	1.0		2110	1.1
9 SA	0659	0.5	**24** SU	0603	0.4
	1433	0.9		1257	1.0
	1847	0.9		1727	0.8
	2330	1.0		2315	1.1
10 SU	0653	0.4	**25** MO	0627	0.4
	1346	1.0		1254	1.1
	1854	0.7		1829	0.6
11 MO	0022	1.1	**26** TU	0020	1.2
	0704	0.3		0649	0.3
	1341	1.1		1309	1.3
	1914	0.6		1910	0.5
12 TU	0058	1.2	**27** WE	0106	1.2
	0721	0.3		0712	0.3
	1349	1.2		1331	1.4
	1936	0.5		1947	0.3
13 WE	0129	1.3	**28** TH	0145	1.2
	0739	0.2		0734	0.3
	1402	1.3		1355	1.5
	2000	0.4		2022	0.2
14 TH	0158	1.3	**29** FR ●	0221	1.2
	0758	0.2		0756	0.3
	1417	1.4		1421	1.6
	2025	0.3		2055	0.2
15 FR ○	0226	1.3	**30** SA	0255	1.1
	0816	0.2		0816	0.4
	1434	1.5		1447	1.6
	2052	0.2		2129	0.1
			31 SU	0327	1.0
				0833	0.4
				1513	1.6
				2202	0.2

NOVEMBER

	Time	m		Time	m
1 MO	0356	0.9	**16** TU	0353	0.9
	0848	0.4		0849	0.4
	1539	1.6		1535	1.7
	2235	0.2		2238	0.2
2 TU	0422	0.9	**17** WE	0431	0.8
	0900	0.5		0915	0.4
	1603	1.5		1612	1.6
	2308	0.3		2322	0.2
3 WE	0445	0.8	**18** TH	0515	0.8
	0912	0.5		0940	0.5
	1626	1.4		1652	1.5
	2345	0.4			
4 TH	0508	0.7	**19** FR	0014	0.3
	0922	0.6		0613	0.7
	1650	1.3		1003	0.6
				1736	1.4
5 FR	0033	0.5	**20** SA	0120	0.4
	0547	0.7		0805	0.7
	0912	0.6		1013	0.7
	1714	1.2		1832	1.2
6 SA ◑	0203	0.5	**21** SU ◐	0257	0.5
	1737	1.0		1149	0.9
				1259	0.9
				2010	1.1
7 SU	0424	0.5	**22** MO	0426	0.5
	1424	0.9		1141	1.0
	1817	0.9		1712	0.8
	2125	0.9		2222	1.0
8 MO	0521	0.5	**23** TU	0516	0.5
	1301	1.0		1204	1.2
	1835	0.8		1831	0.6
	2317	1.0		2354	1.0
9 TU	0555	0.4	**24** WE	0552	0.5
	1257	1.1		1231	1.3
	1859	0.7		1915	0.5
10 WE	0015	1.0	**25** TH	0053	1.0
	0622	0.4		0623	0.5
	1307	1.2		1259	1.5
	1924	0.5		1951	0.3
11 TH	0058	1.1	**26** FR	0139	1.0
	0647	0.3		0651	0.5
	1322	1.3		1329	1.5
	1950	0.4		2024	0.2
12 FR	0135	1.1	**27** SA	0218	1.0
	0710	0.3		0718	0.5
	1340	1.5		1359	1.6
	2018	0.3		2056	0.2
13 SA	0210	1.1	**28** SU ●	0253	0.9
	0734	0.3		0743	0.5
	1403	1.6		1429	1.6
	2048	0.2		2127	0.1
14 SU ○	0244	1.0	**29** MO	0326	0.9
	0758	0.3		0807	0.5
	1430	1.6		1459	1.6
	2121	0.1		2159	0.2
15 MO	0318	1.0	**30** TU	0357	0.9
	0823	0.4		0830	0.5
	1501	1.7		1528	1.6
	2158	0.1		2230	0.2

DECEMBER

	Time	m		Time	m
1 WE	0426	0.8	**16** TH	0441	0.9
	0854	0.5		0928	0.5
	1558	1.5		1616	1.7
	2302	0.2		2321	0.1
2 TH	0457	0.8	**17** FR	0523	0.9
	0921	0.5		1008	0.5
	1626	1.4		1656	1.6
	2335	0.3			
3 FR	0532	0.8	**18** SA	0000	0.2
	0948	0.6		0610	0.9
	1654	1.3		1053	0.6
				1735	1.4
4 SA	0012	0.4	**19** SU	0041	0.3
	0620	0.8		0707	0.9
	1017	0.7		1148	0.7
	1721	1.2		1815	1.2
5 SU	0055	0.4	**20** MO ◐	0124	0.4
	0739	0.8		0822	1.0
	1046	0.8		1316	0.8
	1747	1.1		1901	1.0
6 MO ◑	0150	0.5	**21** TU	0213	0.5
	1010	0.9		0948	1.1
	1125	0.9		1627	0.8
	1810	1.0		2041	0.8
7 TU	0259	0.5	**22** WE	0315	0.6
	1126	1.0		1059	1.2
	1903	0.9		1905	0.6
	1954	0.9		2342	0.8
8 WE	0408	0.5	**23** TH	0425	0.6
	1151	1.1		1152	1.3
	1903	0.7		1943	0.5
	2313	0.8			
9 TH	0502	0.5	**24** FR	0117	0.8
	1215	1.2		0527	0.6
	1926	0.6		1235	1.4
				2011	0.4
10 FR	0034	0.8	**25** SA	0203	0.8
	0546	0.5		0617	0.6
	1241	1.3		1314	1.5
	1952	0.4		2036	0.3
11 SA	0127	0.9	**26** SU	0235	0.8
	0624	0.5		0659	0.6
	1311	1.5		1349	1.5
	2020	0.3		2102	0.2
12 SU	0209	0.9	**27** MO	0304	0.9
	0701	0.5		0735	0.6
	1344	1.6		1424	1.6
	2052	0.2		2128	0.2
13 MO	0247	0.9	**28** TU ●	0331	0.9
	0737	0.4		0808	0.5
	1420	1.7		1456	1.6
	2127	0.1		2154	0.1
14 TU ○	0324	0.9	**29** WE	0357	0.9
	0813	0.4		0840	0.5
	1458	1.7		1527	1.6
	2203	0.1		2221	0.1
15 WE	0402	0.9	**30** TH	0424	0.9
	0850	0.4		0911	0.5
	1537	1.7		1557	1.5
	2241	0.1		2248	0.2
			31 FR	0451	0.9
				0942	0.5
				1624	1.5
				2315	0.2

56350

PAPUA NEW GUINEA - PORT MORESBY

LAT 9° 29´ S LONG 147° 08´ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

JANUARY

	Time	m		Time	m
1 FR	0620	2.0	**16** SA ◑	0518	1.7
	1203	1.3		1019	1.5
	1728	1.9		1537	1.8
				2257	0.9
2 SA	0007	0.7	**17** SU	0601	2.0
	0706	2.2		1153	1.4
	1307	1.3		1652	1.8
	1815	1.8		2339	0.7
3 SU	0040	0.7	**18** MO	0638	2.3
	0742	2.3		1247	1.3
	1353	1.2		1750	1.8
	1853	1.8			
4 MO	0109	0.6	**19** TU	0019	0.5
	0812	2.4		0715	2.5
	1429	1.2		1331	1.1
	1924	1.8		1840	1.9
5 TU	0134	0.6	**20** WE	0100	0.4
	0838	2.4		0755	2.7
	1459	1.1		1414	1.0
	1950	1.7		1926	2.0
6 WE	0159	0.6	**21** TH	0143	0.2
	0903	2.4		0834	2.9
	1526	1.2		1455	0.9
	2013	1.7		2010	2.1
7 TH	0223	0.5	**22** FR ○	0225	0.1
	0928	2.4		0915	3.0
	1551	1.2		1536	0.8
	2035	1.7		2053	2.1
8 FR ●	0247	0.6	**23** SA	0308	0.1
	0952	2.4		0957	3.0
	1617	1.2		1618	0.8
	2057	1.7		2137	2.1
9 SA	0313	0.6	**24** SU	0350	0.2
	1018	2.3		1038	2.9
	1645	1.3		1702	0.9
	2119	1.7		2222	2.0
10 SU	0338	0.7	**25** MO	0433	0.4
	1045	2.3		1120	2.7
	1716	1.3		1749	1.0
	2143	1.7		2313	1.9
11 MO	0403	0.8	**26** TU	0517	0.7
	1114	2.2		1203	2.4
	1754	1.3		1843	1.1
	2209	1.6			
12 TU	0428	0.9	**27** WE	0021	1.7
	1144	2.1		0608	1.1
	1841	1.4		1252	2.1
	2248	1.5		1952	1.1
13 WE	0455	1.1	**28** TH	0228	1.7
	1216	2.1		0742	1.4
	1945	1.3		1402	1.9
				2130	1.1
14 TH	0021	1.5	**29** FR ◐	0521	1.8
	0530	1.3		1113	1.5
	1258	1.9		1601	1.7
	2106	1.2		2300	1.0
15 FR	0345	1.5	**30** SA	0628	2.1
	0700	1.5		1249	1.4
	1405	1.9		1732	1.7
	2211	1.1		2354	0.9
			31 SU	0704	2.2
				1329	1.2
				1825	1.7

FEBRUARY

	Time	m		Time	m
1 MO	0030	0.8	**16** TU	0629	2.4
	0733	2.4		1259	1.2
	1357	1.1		1802	1.8
	1900	1.7			
2 TU	0100	0.7	**17** WE	0012	0.6
	0759	2.4		0705	2.6
	1420	1.1		1330	1.0
	1927	1.8		1846	1.9
3 WE	0127	0.7	**18** TH	0054	0.4
	0821	2.5		0741	2.8
	1441	1.1		1402	0.9
	1948	1.8		1926	2.1
4 TH	0150	0.6	**19** FR	0134	0.2
	0843	2.5		0816	3.0
	1500	1.1		1435	0.8
	2007	1.9		2004	2.2
5 FR	0213	0.6	**20** SA	0214	0.2
	0903	2.5		0852	3.0
	1519	1.1		1510	0.7
	2027	1.9		2043	2.3
6 SA	0234	0.6	**21** SU ○	0252	0.2
	0923	2.5		0927	2.9
	1539	1.1		1545	0.7
	2047	1.9		2122	2.3
7 SU ●	0257	0.6	**22** MO	0331	0.4
	0944	2.5		1000	2.8
	1600	1.1		1619	0.8
	2111	2.0		2203	2.2
8 MO	0320	0.7	**23** TU	0410	0.6
	1004	2.4		1033	2.5
	1623	1.1		1655	0.9
	2137	1.9		2247	2.1
9 TU	0345	0.8	**24** WE	0450	0.9
	1025	2.3		1103	2.2
	1648	1.2		1732	1.0
	2208	1.9		2343	1.9
10 WE	0411	0.9	**25** TH	0536	1.3
	1045	2.2		1127	1.9
	1717	1.2		1814	1.1
	2247	1.8			
11 TH	0439	1.1	**26** FR	0130	1.8
	1105	2.1		0723	1.6
	1752	1.2		1116	1.7
	2346	1.7		1926	1.2
12 FR	0515	1.3	**27** SA	0512	1.9
	1125	1.9		1323	1.4
	1844	1.2		1606	1.4
				2217	1.2
13 SA	0203	1.7	**28** SU ◐	0608	2.1
	0630	1.6		1311	1.3
	1149	1.8		1754	1.5
	2029	1.2		2331	1.1
14 SU ◑	0455	1.9			
	1147	1.6			
	1454	1.6			
	2221	1.0			
15 MO	0550	2.1			
	1228	1.4			
	1704	1.6			
	2324	0.8			

MARCH

	Time	m		Time	m
1 MO	0641	2.2	**16** TU ◑	0525	2.3
	1323	1.2		1226	1.2
	1830	1.6		1719	1.6
				2309	0.9
2 TU	0012	1.0	**17** WE	0608	2.5
	0707	2.3		1246	1.0
	1338	1.1		1806	1.8
	1854	1.7			
3 WE	0042	0.9	**18** TH	0000	0.7
	0730	2.4		0645	2.7
	1354	1.0		1313	0.9
	1915	1.8		1844	2.0
4 TH	0107	0.8	**19** FR	0042	0.5
	0751	2.5		0718	2.8
	1411	1.0		1341	0.8
	1933	1.9		1919	2.2
5 FR	0130	0.7	**20** SA	0120	0.4
	0811	2.5		0751	2.9
	1427	1.0		1410	0.7
	1951	2.0		1956	2.3
6 SA	0150	0.7	**21** SU	0159	0.4
	0829	2.5		0822	2.8
	1443	1.0		1439	0.6
	2011	2.1		2032	2.4
7 SU	0212	0.7	**22** MO ○	0236	0.5
	0845	2.5		0853	2.7
	1500	1.0		1510	0.6
	2033	2.1		2110	2.4
8 MO ●	0235	0.7	**23** TU	0315	0.6
	0902	2.5		0922	2.5
	1517	0.9		1540	0.6
	2059	2.2		2150	2.4
9 TU	0300	0.7	**24** WE	0355	0.9
	0921	2.4		0949	2.3
	1538	0.9		1609	0.7
	2129	2.2		2232	2.2
10 WE	0329	0.9	**25** TH	0438	1.2
	0940	2.3		1011	2.0
	1601	0.9		1636	0.9
	2203	2.1		2323	2.1
11 TH	0400	1.0	**26** FR	0532	1.4
	1000	2.2		1015	1.8
	1628	0.9		1700	1.0
	2246	2.1			
12 FR	0439	1.2	**27** SA	0042	1.9
	1018	2.0		1720	1.2
	1700	1.0			
	2345	2.0			
13 SA	0531	1.4	**28** SU	0405	1.9
	1033	1.8		1413	1.3
	1741	1.1			
14 SU	0138	1.9	**29** MO	0520	2.1
	0824	1.6		1259	1.2
	1001	1.6		1757	1.4
	1907	1.2		2239	1.3
15 MO	0418	2.0	**30** TU ◐	0558	2.2
	1231	1.4		1257	1.1
	1544	1.5		1815	1.6
	2151	1.1		2332	1.1
			31 WE	0626	2.3
				1306	1.1
				1832	1.7

APRIL

	Time	m		Time	m
1 TH	0006	1.0	**16** FR	0615	2.6
	0650	2.3		1247	0.8
	1320	1.0		1835	2.0
	1851	1.8			
2 FR	0034	0.9	**17** SA	0025	0.7
	0711	2.4		0649	2.6
	1334	1.0		1315	0.7
	1911	1.9		1913	2.2
3 SA	0059	0.9	**18** SU	0107	0.7
	0729	2.4		0722	2.6
	1348	0.9		1343	0.6
	1931	2.0		1950	2.3
4 SU	0122	0.8	**19** MO	0147	0.7
	0745	2.4		0752	2.5
	1403	0.9		1411	0.5
	1954	2.1		2027	2.4
5 MO	0146	0.8	**20** TU	0228	0.8
	0801	2.4		0821	2.4
	1420	0.8		1438	0.5
	2019	2.2		2105	2.4
6 TU	0214	0.8	**21** WE ○	0310	1.0
	0820	2.4		0848	2.2
	1440	0.7		1506	0.6
	2048	2.3		2145	2.4
7 WE ●	0245	0.9	**22** TH	0354	1.1
	0840	2.3		0914	2.0
	1502	0.7		1533	0.6
	2123	2.4		2226	2.3
8 TH	0321	1.0	**23** FR	0445	1.3
	0903	2.2		0933	1.8
	1529	0.6		1558	0.8
	2203	2.4		2312	2.2
9 FR	0404	1.1	**24** SA	0552	1.4
	0929	2.1		0939	1.6
	1600	0.7		1621	0.9
	2252	2.3			
10 SA	0459	1.3	**25** SU	0013	2.1
	0957	1.9		1645	1.0
	1638	0.8			
	2357	2.2			
11 SU	0626	1.5	**26** MO	0207	2.0
	1023	1.6		1715	1.2
	1729	0.9			
12 MO	0139	2.1	**27** TU	0359	2.0
	1903	1.1		1230	1.2
				1658	1.3
				2005	1.3
13 TU	0336	2.2	**28** WE	0454	2.1
	1126	1.2		1219	1.1
	1551	1.4		1734	1.5
	2121	1.1		2216	1.3
14 WE ◑	0447	2.4	**29** TH ◐	0530	2.1
	1152	1.1		1228	1.1
	1708	1.6		1759	1.6
	2244	0.9		2311	1.2
15 TH	0536	2.5	**30** FR	0558	2.2
	1220	0.9		1239	1.0
	1755	1.8		1823	1.7
	2339	0.8		2349	1.1

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I

55580

PAPUA NEW GUINEA - PORT MORESBY

LAT 9° 29´ S LONG 147° 08´ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

MAY

	Time	m		Time	m
1 SA	0619	2.2	**16** SU	0015	0.9
	1252	0.9		0620	2.3
	1846	1.9		1250	0.6
				1912	2.2
2 SU	0021	1.1	**17** MO	0104	1.0
	0639	2.2		0655	2.2
	1307	0.8		1319	0.5
	1910	2.0		1952	2.3
3 MO	0052	1.0	**18** TU	0151	1.0
	0657	2.2		0728	2.1
	1323	0.7		1347	0.5
	1936	2.2		2030	2.4
4 TU	0124	1.0	**19** WE	0236	1.1
	0717	2.2		0758	2.0
	1343	0.6		1415	0.5
	2006	2.3		2107	2.4
5 WE	0200	1.0	**20** TH ○	0321	1.1
	0741	2.2		0828	1.9
	1406	0.5		1444	0.5
	2041	2.4		2144	2.4
6 TH ●	0241	1.0	**21** FR	0407	1.2
	0809	2.1		0856	1.7
	1435	0.4		1512	0.6
	2120	2.5		2221	2.3
7 FR	0327	1.1	**22** SA	0457	1.3
	0842	2.0		0922	1.6
	1510	0.4		1540	0.7
	2206	2.5		2301	2.2
8 SA	0421	1.1	**23** SU	0554	1.3
	0921	1.9		0946	1.5
	1551	0.5		1609	0.8
	2300	2.5		2346	2.1
9 SU	0529	1.2	**24** MO	0711	1.4
	1009	1.7		1005	1.4
	1639	0.6		1640	0.9
10 MO	0005	2.4	**25** TU	0045	2.0
	0659	1.3		1716	1.0
	1115	1.5			
	1741	0.8			
11 TU	0128	2.3	**26** WE	0201	2.0
	0848	1.2		1131	1.3
	1313	1.4		1244	1.3
	1906	0.9		1810	1.2
12 WE	0253	2.3	**27** TH	0315	2.0
	1014	1.1		1125	1.2
	1518	1.5		1606	1.3
	2046	1.0		1953	1.3
13 TH ◑	0402	2.4	**28** FR ◐	0409	2.0
	1106	1.0		1135	1.1
	1641	1.7		1714	1.5
	2211	1.0		2143	1.3
14 FR	0458	2.4	**29** SA	0446	2.0
	1145	0.8		1149	1.0
	1741	1.8		1751	1.6
	2318	1.0		2254	1.3
15 SA	0542	2.4	**30** SU	0515	2.0
	1219	0.7		1204	0.9
	1830	2.0		1822	1.8
				2345	1.3
			31 MO	0542	2.0
				1223	0.8
				1851	2.0

JUNE

	Time	m		Time	m
1 TU	0030	1.2	**16** WE	0213	1.1
	0608	2.0		0718	1.8
	1245	0.6		1334	0.5
	1921	2.2		2036	2.4
2 WE	0114	1.1	**17** TH	0255	1.1
	0639	2.0		0753	1.7
	1311	0.5		1403	0.5
	1956	2.4		2108	2.4
3 TH	0158	1.1	**18** FR	0333	1.1
	0714	2.0		0824	1.7
	1343	0.4		1432	0.5
	2035	2.5		2140	2.4
4 FR	0245	1.0	**19** SA ○	0410	1.1
	0754	1.9		0853	1.7
	1421	0.3		1500	0.6
	2117	2.6		2210	2.3
5 SA ●	0336	1.0	**20** SU	0445	1.2
	0840	1.9		0920	1.6
	1504	0.3		1530	0.6
	2205	2.7		2242	2.3
6 SU	0432	1.0	**21** MO	0522	1.2
	0930	1.8		0946	1.6
	1551	0.3		1558	0.7
	2258	2.7		2315	2.2
7 MO	0533	1.1	**22** TU	0602	1.3
	1028	1.7		1014	1.5
	1644	0.4		1627	0.8
	2355	2.6		2349	2.1
8 TU	0641	1.1	**23** WE	0651	1.3
	1133	1.6		1044	1.5
	1742	0.6		1657	0.9
9 WE	0059	2.5	**24** TH	0028	2.0
	0754	1.1		0757	1.3
	1259	1.6		1132	1.4
	1849	0.8		1729	1.1
10 TH	0207	2.4	**25** FR	0113	2.0
	0908	1.0		0915	1.3
	1439	1.6		1330	1.4
	2011	1.0		1812	1.2
11 FR ◑	0314	2.3	**26** SA	0206	1.9
	1015	0.9		1009	1.2
	1615	1.7		1603	1.4
	2142	1.1		1939	1.4
12 SA	0416	2.2	**27** SU ◐	0304	1.9
	1109	0.8		1043	1.1
	1733	1.9		1719	1.6
	2310	1.2		2157	1.4
13 SU	0512	2.1	**28** MO	0358	1.8
	1153	0.7		1111	0.9
	1833	2.0		1800	1.8
				2328	1.4
14 MO	0023	1.2	**29** TU	0446	1.8
	0600	2.0		1141	0.8
	1230	0.6		1834	2.0
	1920	2.2			
15 TU	0123	1.1	**30** WE	0027	1.3
	0642	1.9		0532	1.8
	1303	0.6		1214	0.6
	2000	2.3		1909	2.2

JULY

	Time	m		Time	m
1 TH	0115	1.2	**16** FR	0255	1.0
	0619	1.8		0755	1.7
	1249	0.5		1356	0.6
	1946	2.4		2058	2.4
2 FR	0201	1.1	**17** SA	0322	1.0
	0706	1.9		0820	1.7
	1330	0.3		1423	0.6
	2027	2.6		2122	2.4
3 SA	0246	1.0	**18** SU	0346	1.1
	0754	1.9		0843	1.7
	1414	0.2		1448	0.6
	2110	2.8		2146	2.4
4 SU ●	0333	0.9	**19** MO ○	0411	1.1
	0842	1.9		0905	1.7
	1459	0.2		1513	0.6
	2155	2.8		2210	2.3
5 MO	0420	0.9	**20** TU	0435	1.2
	0931	1.9		0929	1.7
	1545	0.2		1537	0.7
	2241	2.8		2234	2.3
6 TU	0511	0.9	**21** WE	0502	1.2
	1023	1.9		0954	1.7
	1634	0.3		1602	0.8
	2330	2.7		2258	2.2
7 WE	0603	0.9	**22** TH	0531	1.2
	1120	1.8		1023	1.6
	1725	0.5		1627	0.9
				2321	2.1
8 TH	0020	2.5	**23** FR	0607	1.2
	0701	1.0		1101	1.6
	1230	1.7		1652	1.1
	1822	0.8		2345	2.0
9 FR	0116	2.3	**24** SA	0650	1.2
	0808	1.0		1205	1.5
	1405	1.7		1722	1.3
	1938	1.1			
10 SA	0221	2.1	**25** SU	0010	1.9
	0923	0.9		0750	1.2
	1600	1.7		1428	1.5
	2131	1.3		1816	1.4
11 SU ◑	0337	1.9	**26** MO	0045	1.8
	1035	0.9		0910	1.1
	1740	1.9		1651	1.7
	2335	1.3		2143	1.6
12 MO	0455	1.8	**27** TU ◐	0215	1.7
	1133	0.8		1017	1.0
	1843	2.1		1744	1.9
				2351	1.5
13 TU	0056	1.2	**28** WE	0415	1.6
	0558	1.7		1109	0.9
	1218	0.7		1821	2.1
	1926	2.3			
14 WE	0146	1.1	**29** TH	0040	1.3
	0646	1.7		0527	1.7
	1256	0.6		1154	0.7
	2000	2.4		1858	2.4
15 TH	0224	1.1	**30** FR	0119	1.1
	0724	1.7		0620	1.8
	1328	0.6		1238	0.5
	2030	2.4		1934	2.6
			31 SA	0156	1.0
				0706	1.9
				1320	0.3
				2013	2.8

AUGUST

	Time	m		Time	m
1 SU	0234	0.9	**16** MO	0310	1.0
	0750	2.0		0823	1.9
	1403	0.2		1426	0.6
	2052	2.9		2111	2.4
2 MO ●	0313	0.8	**17** TU ○	0329	1.0
	0834	2.1		0844	1.9
	1446	0.1		1447	0.6
	2131	2.9		2130	2.4
3 TU	0353	0.7	**18** WE	0347	1.1
	0918	2.1		0906	1.9
	1530	0.2		1511	0.7
	2212	2.9		2148	2.3
4 WE	0435	0.7	**19** TH	0408	1.1
	1005	2.1		0932	1.9
	1614	0.4		1534	0.8
	2252	2.7		2206	2.2
5 TH	0519	0.8	**20** FR	0430	1.1
	1057	2.0		1002	1.9
	1700	0.6		1559	1.0
	2334	2.5		2222	2.1
6 FR	0608	0.9	**21** SA	0454	1.1
	1200	1.9		1040	1.8
	1754	1.0		1626	1.2
				2235	2.0
7 SA	0019	2.2	**22** SU	0523	1.1
	0706	1.0		1134	1.7
	1337	1.8		1700	1.3
	1916	1.3		2246	1.9
8 SU	0119	1.9	**23** MO	0602	1.1
	0826	1.0		1322	1.7
	1605	1.8		1804	1.6
	2216	1.4		2249	1.7
9 MO ◑	0310	1.6	**24** TU	0718	1.2
	1004	1.0		1627	1.8
	1745	2.1			
10 TU	0026	1.3	**25** WE ◐	0935	1.1
	0505	1.6		1727	2.0
	1119	0.9			
	1837	2.2			
11 WE	0113	1.1	**26** TH	0029	1.4
	0610	1.6		0436	1.5
	1208	0.8		1051	0.9
	1913	2.4		1805	2.3
12 TH	0144	1.1	**27** FR	0044	1.2
	0650	1.7		0538	1.7
	1245	0.7		1143	0.7
	1943	2.4		1840	2.5
13 FR	0208	1.0	**28** SA	0109	1.0
	0720	1.7		0622	1.8
	1315	0.7		1226	0.5
	2008	2.4		1915	2.7
14 SA	0230	1.0	**29** SU	0139	0.9
	0744	1.8		0701	2.0
	1341	0.6		1307	0.3
	2030	2.5		1950	2.9
15 SU	0251	1.0	**30** MO	0211	0.7
	0803	1.8		0741	2.2
	1404	0.6		1347	0.2
	2052	2.4		2025	2.9
			31 TU	0244	0.7
				0820	2.3
				1428	0.2
				2100	2.9

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I

55580

PAPUA NEW GUINEA - PORT MORESBY

LAT 9° 29´ S LONG 147° 08´ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

SEPTEMBER

	Time	m		Time	m
1 WE ●	0319	0.6	**16** TH ○	0300	0.9
	0901	2.3		0847	2.1
	1509	0.3		1445	0.8
	2135	2.8		2100	2.3
2 TH	0355	0.6	**17** FR	0318	0.9
	0946	2.3		0915	2.1
	1552	0.6		1511	0.9
	2211	2.5		2115	2.2
3 FR	0432	0.7	**18** SA	0339	0.9
	1035	2.2		0948	2.1
	1639	0.9		1542	1.1
	2245	2.2		2130	2.1
4 SA	0512	0.8	**19** SU	0401	0.9
	1136	2.0		1030	2.0
	1736	1.2		1618	1.3
	2317	1.9		2143	1.9
5 SU	0558	1.0	**20** MO	0429	0.9
	1315	1.9		1127	1.9
	1930	1.5		1711	1.5
	2346	1.6		2150	1.8
6 MO	0710	1.1	**21** TU	0505	1.0
	1605	2.0		1311	1.9
7 TU	0015	1.4	**22** WE	0617	1.1
	0322	1.4		1551	2.0
	0928	1.1			
	1728	2.1			
8 WE ◑	0038	1.2	**23** TH ◐	0054	1.4
	0524	1.5		0304	1.4
	1059	1.0		0908	1.1
	1812	2.3		1658	2.2
9 TH	0059	1.1	**24** FR	0011	1.2
	0609	1.6		0453	1.5
	1147	0.9		1034	0.9
	1844	2.4		1739	2.4
10 FR	0118	1.0	**25** SA	0024	1.0
	0638	1.7		0539	1.7
	1222	0.8		1127	0.7
	1911	2.4		1815	2.6
11 SA	0137	1.0	**26** SU	0047	0.9
	0701	1.8		0616	1.9
	1250	0.8		1210	0.6
	1933	2.4		1848	2.7
12 SU	0155	0.9	**27** MO	0114	0.7
	0722	1.9		0653	2.1
	1315	0.7		1251	0.5
	1954	2.4		1921	2.8
13 MO	0213	0.9	**28** TU	0143	0.6
	0741	1.9		0730	2.3
	1337	0.7		1330	0.4
	2012	2.4		1954	2.8
14 TU	0229	0.9	**29** WE	0213	0.5
	0800	2.0		0808	2.4
	1359	0.7		1411	0.5
	2029	2.4		2026	2.7
15 WE	0245	0.9	**30** TH ●	0244	0.5
	0822	2.0		0849	2.4
	1420	0.8		1453	0.6
	2044	2.4		2058	2.5

OCTOBER

	Time	m		Time	m
1 FR	0316	0.5	**16** SA	0239	0.7
	0933	2.4		0906	2.3
	1538	0.9		1501	1.1
	2129	2.3		2032	2.1
2 SA	0349	0.6	**17** SU	0302	0.6
	1021	2.3		0944	2.3
	1630	1.1		1543	1.2
	2156	2.0		2053	2.0
3 SU	0422	0.7	**18** MO	0330	0.7
	1119	2.1		1030	2.2
	1739	1.4		1635	1.3
	2214	1.7		2115	1.8
4 MO	0456	0.9	**19** TU	0404	0.8
	1250	2.0		1132	2.1
				1800	1.5
				2131	1.6
5 TU	0538	1.1	**20** WE	0450	0.9
	1524	2.0		1309	2.1
6 WE	0032	1.2	**21** TH	0616	1.0
	0342	1.3		1505	2.2
	0806	1.2		2319	1.2
	1645	2.1			
7 TH ◑	0018	1.1	**22** FR	0320	1.4
	0519	1.4		0840	1.1
	1014	1.2		1616	2.3
	1730	2.2		2331	1.1
8 FR	0030	1.0	**23** SA ◐	0441	1.6
	0551	1.6		1008	1.0
	1110	1.1		1705	2.4
	1803	2.3		2355	0.9
9 SA	0045	1.0	**24** SU	0529	1.8
	0615	1.7		1106	0.8
	1147	1.0		1744	2.5
	1830	2.3			
10 SU	0101	0.9	**25** MO	0020	0.8
	0637	1.8		0608	2.0
	1217	0.9		1154	0.7
	1852	2.3		1818	2.6
11 MO	0117	0.9	**26** TU	0047	0.6
	0659	1.9		0646	2.2
	1244	0.9		1238	0.7
	1911	2.3		1852	2.6
12 TU	0133	0.9	**27** WE	0115	0.5
	0720	2.0		0725	2.3
	1308	0.9		1320	0.7
	1928	2.3		1923	2.5
13 WE	0147	0.8	**28** TH	0145	0.4
	0743	2.1		0804	2.4
	1332	0.9		1404	0.8
	1943	2.3		1955	2.4
14 TH	0202	0.8	**29** FR ●	0214	0.4
	0807	2.2		0845	2.5
	1358	0.9		1449	0.9
	1958	2.3		2025	2.2
15 FR ○	0219	0.7	**30** SA	0245	0.4
	0834	2.2		0928	2.4
	1428	1.0		1539	1.1
	2015	2.2		2054	2.0
			31 SU	0315	0.5
				1014	2.4
				1635	1.2
				2120	1.7

NOVEMBER

	Time	m		Time	m
1 MO	0345	0.7	**16** TU	0320	0.5
	1105	2.2		1033	2.4
	1752	1.4		1700	1.3
	2135	1.6		2125	1.7
2 TU	0415	0.8	**17** WE	0404	0.6
	1215	2.1		1134	2.4
				1824	1.3
				2219	1.5
3 WE	0446	1.0	**18** TH	0500	0.7
	1402	2.0		1250	2.3
				2014	1.3
4 TH	0538	1.1	**19** FR	0004	1.4
	1538	2.1		0618	0.9
	2351	1.1		1415	2.3
				2148	1.1
5 FR	0437	1.3	**20** SA	0238	1.4
	0830	1.2		0800	1.0
	1634	2.1		1528	2.4
	2357	1.1		2241	1.0
6 SA ◑	0522	1.5	**21** SU ◐	0413	1.6
	1006	1.2		0932	1.0
	1712	2.1		1624	2.4
				2320	0.8
7 SU	0010	1.0	**22** MO	0515	1.8
	0550	1.6		1045	1.0
	1100	1.2		1711	2.4
	1741	2.2		2354	0.7
8 MO	0025	0.9	**23** TU	0605	2.0
	0616	1.7		1145	1.0
	1139	1.1		1751	2.3
	1804	2.2			
9 TU	0040	0.8	**24** WE	0025	0.6
	0641	1.9		0649	2.2
	1213	1.1		1238	1.0
	1824	2.2		1828	2.3
10 WE	0054	0.8	**25** TH	0055	0.5
	0704	2.0		0730	2.3
	1244	1.1		1328	1.0
	1842	2.2		1902	2.2
11 TH	0110	0.7	**26** FR	0125	0.4
	0729	2.1		0809	2.4
	1314	1.1		1415	1.0
	1859	2.1		1935	2.0
12 FR	0127	0.6	**27** SA	0155	0.4
	0756	2.2		0848	2.5
	1346	1.1		1501	1.1
	1918	2.1		2008	1.9
13 SA	0147	0.5	**28** SU ●	0226	0.4
	0826	2.3		0927	2.5
	1423	1.1		1549	1.2
	1942	2.0		2039	1.8
14 SU ○	0212	0.5	**29** MO	0257	0.5
	0901	2.4		1007	2.4
	1506	1.1		1640	1.2
	2010	1.9		2108	1.7
15 MO	0243	0.5	**30** TU	0327	0.6
	0944	2.4		1049	2.3
	1557	1.2		1736	1.3
	2045	1.8		2133	1.5

DECEMBER

	Time	m		Time	m
1 WE	0357	0.7	**16** TH	0408	0.4
	1135	2.2		1120	2.6
	1847	1.4		1759	1.1
	2154	1.4		2242	1.7
2 TH	0427	0.9	**17** FR	0500	0.6
	1232	2.1		1218	2.5
				1909	1.1
				2357	1.6
3 FR	0500	1.0	**18** SA	0600	0.8
	1346	2.0		1323	2.4
				2027	1.1
4 SA	0544	1.2	**19** SU	0145	1.5
	1502	2.0		0717	1.0
	2323	1.2		1432	2.3
				2141	1.0
5 SU	0434	1.3	**20** MO ◐	0340	1.6
	0732	1.3		0857	1.2
	1600	2.0		1539	2.2
	2333	1.1		2243	0.9
6 MO ◑	0531	1.5	**21** TU	0509	1.8
	0945	1.4		1036	1.2
	1639	2.0		1641	2.1
	2346	1.0		2330	0.7
7 TU	0602	1.7	**22** WE	0612	2.1
	1059	1.3		1158	1.2
	1710	2.0		1734	2.0
8 WE	0001	0.9	**23** TH	0010	0.6
	0628	1.8		0700	2.3
	1148	1.3		1300	1.2
	1735	2.0		1820	2.0
9 TH	0018	0.8	**24** FR	0045	0.5
	0652	2.0		0741	2.4
	1230	1.3		1351	1.1
	1800	2.0		1900	1.9
10 FR	0037	0.7	**25** SA	0117	0.5
	0717	2.2		0817	2.5
	1307	1.2		1433	1.1
	1825	1.9		1936	1.8
11 SA	0100	0.5	**26** SU	0149	0.4
	0746	2.3		0850	2.5
	1346	1.2		1512	1.1
	1855	1.9		2008	1.8
12 SU	0127	0.4	**27** MO	0219	0.4
	0819	2.5		0922	2.5
	1428	1.1		1547	1.1
	1930	1.9		2037	1.8
13 MO	0200	0.3	**28** TU ●	0248	0.5
	0858	2.6		0953	2.5
	1513	1.1		1621	1.2
	2010	1.9		2103	1.7
14 TU ○	0237	0.3	**29** WE	0315	0.5
	0940	2.6		1024	2.4
	1602	1.1		1656	1.2
	2054	1.8		2128	1.7
15 WE	0320	0.3	**30** TH	0343	0.6
	1028	2.6		1055	2.3
	1657	1.1		1733	1.3
	2144	1.8		2151	1.6
			31 FR	0408	0.8
				1127	2.2
				1817	1.3
				2214	1.5

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I

55580

PAPUA NEW GUINEA - ALOTAU (MILNE BAY)

LAT 10° 19′ S LONG 150° 27′ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

JANUARY

	Time	m		Time	m
1 FR	0815 1.0 1335 1.0 1549 1.0 2342 0.4		**16** SA ◑	0811 1.0 2300 0.5	
2 SA	0824 1.1 2340 0.4		**17** SU	0750 1.1 2241 0.4	
3 SU	0854 1.2 2343 0.3		**18** MO	0758 1.2 2249 0.3	
4 MO	0935 1.2 2353 0.3		**19** TU	0818 1.2 2315 0.2	
5 TU	1030 1.2		**20** WE	0851 1.3 2348 0.1	
6 WE	0004 0.3 1141 1.2		**21** TH	0936 1.3	
7 TH	0010 0.3 1256 1.2		**22** FR ○	0027 0.1 1033 1.3	
8 FR ●	0009 0.3 1407 1.2		**23** SA	0105 0.2 1140 1.3	
9 SA	0008 0.4 1457 1.2		**24** SU	0142 0.3 1245 1.2	
10 SU	0003 0.4 1529 1.2		**25** MO	0206 0.4 1342 1.2	
11 MO	0005 0.4 1547 1.2		**26** TU	0030 0.5 1430 1.1 2332 0.6	
12 TU	0013 0.4 1553 1.2		**27** WE	0808 0.9 0926 0.9 1511 1.1 2257 0.5	
13 WE	0020 0.5 1548 1.1		**28** TH	0707 1.0 1145 0.9 1541 1.0 2254 0.5	
14 TH	0023 0.5 1544 1.0		**29** FR ◐	0650 1.1 1258 0.9 1600 0.9 2300 0.4	
15 FR	0006 0.5 0824 1.0 2333 0.5		**30** SA	0656 1.2 1418 0.8 1600 0.8 2305 0.4	
			31 SU	0715 1.2 2309 0.4	

FEBRUARY

	Time	m		Time	m
1 MO	0740 1.2 2317 0.4		**16** TU	0654 1.3 2227 0.3	
2 TU	0809 1.2 2331 0.3		**17** WE	0715 1.3 2256 0.2	
3 WE	0849 1.2 2345 0.4		**18** TH	0741 1.3 2329 0.2	
4 TH	0958 1.1 2354 0.4		**19** FR	0811 1.2	
5 FR	1358 1.1 2356 0.4		**20** SA	0003 0.2 0841 1.2 1353 1.1 1503 1.1	
6 SA	1500 1.2 2353 0.4		**21** SU ○	0037 0.3 0906 1.1 1413 1.0 1541 1.1	
7 SU	1537 1.2 2343 0.5		**22** MO	0102 0.5 1136 1.0 1445 1.0 1607 1.0	
8 MO	1606 1.1 2336 0.5		**23** TU	0015 0.6 1305 1.0 2257 0.7	
9 TU	0942 0.9 1008 0.9 1628 1.1 2337 0.5		**24** WE	0617 1.0 1116 0.9 1415 0.9 2159 0.6	
10 WE	0736 0.9 1107 0.9 1630 1.0 2338 0.6		**25** TH	0555 1.1 1153 0.8 1510 0.8 2148 0.6	
11 TH	0647 1.0 1150 0.9 1551 0.9 2326 0.6		**26** FR	0542 1.2 1230 0.7 1547 0.8 2200 0.5	
12 FR	0641 1.0 1234 0.8 1530 0.9 2249 0.6		**27** SA	0542 1.2 1310 0.7 1612 0.7 2211 0.5	
13 SA	0631 1.1 1325 0.8 1500 0.8 2223 0.5		**28** SU ◐	0557 1.3 1354 0.7 1624 0.7 2218 0.4	
14 SU	0630 1.2 2205 0.5				
15 MO	0638 1.2 2208 0.4				

MARCH

	Time	m		Time	m
1 MO	0615 1.3 1504 0.7 1619 0.7 2228 0.4		**16** TU ◑	0543 1.3 2126 0.4	
2 TU	0638 1.2 2242 0.4		**17** WE	0602 1.3 2154 0.3	
3 WE	0701 1.2 2258 0.4		**18** TH	0622 1.3 2226 0.3	
4 TH	0727 1.1 2310 0.4		**19** FR	0641 1.2 2258 0.4	
5 FR	0748 1.1 2315 0.5		**20** SA	0657 1.2 1302 0.9 1506 0.9 2329 0.5	
6 SA	0752 1.0 1208 1.0 1439 1.0 2315 0.5		**21** SU	0711 1.1 1310 0.9 1612 0.9 2354 0.6	
7 SU	0745 1.0 1052 1.0 1523 1.0 2309 0.5		**22** MO ○	0715 1.0 1330 0.8 1703 0.9 2331 0.7	
8 MO ●	0728 1.0 1034 0.9 1602 1.0 2252 0.6		**23** TU	0600 1.0 1354 0.7 1726 0.8 2200 0.8	
9 TU	0639 1.0 1104 0.9 1639 1.0 2247 0.6		**24** WE	0456 1.0 1418 0.7 1733 0.8 1921 0.7	
10 WE	0548 1.0 1135 0.8 1713 0.9 2245 0.7		**25** TH	0446 1.1 1159 0.6 1745 0.7 1945 0.7	
11 TH	0533 1.0 1202 0.7 1741 0.8 2229 0.7		**26** FR	0433 1.2 1210 0.6 1744 0.6 2014 0.6	
12 FR	0527 1.1 1228 0.7 1759 0.7 2128 0.7		**27** SA	0430 1.2 1232 0.5 1634 0.6 2037 0.6	
13 SA	0516 1.2 1258 0.7 1517 0.7 2054 0.6		**28** SU	0445 1.3 1259 0.5 1635 0.6 2056 0.5	
14 SU	0515 1.2 1343 0.6 1446 0.6 2051 0.5		**29** MO	0504 1.3 1330 0.6 1642 0.6 2114 0.5	
15 MO	0526 1.3 2103 0.4		**30** TU ◐	0525 1.2 1408 0.6 1643 0.6 2134 0.5	
			31 WE	0545 1.2 1521 0.7 1630 0.7 2153 0.5	

APRIL

	Time	m		Time	m
1 TH	0602 1.2 2206 0.5		**16** FR	0535 1.2 1352 0.7 1555 0.8 2145 0.5	
2 FR	0615 1.1 2212 0.5		**17** SA	0545 1.2 1248 0.8 1700 0.8 2216 0.6	
3 SA	0621 1.1 1249 0.9 1345 0.9 2215 0.6		**18** SU	0550 1.1 1238 0.7 1805 0.8 2240 0.7	
4 SU	0614 1.0 1215 0.8 1456 0.9 2211 0.6		**19** MO	0528 1.0 1246 0.6 1913 0.9 2135 0.8	
5 MO	0546 1.0 1201 0.8 1558 0.9 2148 0.7		**20** TU	0357 1.0 1304 0.6	
6 TU	0506 1.0 1216 0.7 1722 0.9 2144 0.7		**21** WE ○	0336 1.1 1324 0.5	
7 WE ●	0428 1.0 1244 0.6 1855 0.8 2138 0.8		**22** TH	0332 1.1 1335 0.5	
8 TH	0424 1.1 1316 0.5		**23** FR	0308 1.2 1227 0.4	
9 FR	0419 1.1 1351 0.5		**24** SA	0308 1.2 1213 0.4	
10 SA	0358 1.2 1435 0.5		**25** SU	0332 1.3 1227 0.4	
11 SU	0353 1.3 1557 0.5		**26** MO	0359 1.3 1248 0.4	
12 MO	0410 1.3 1815 0.5		**27** TU	0423 1.2 1315 0.5 1730 0.6 1940 0.6	
13 TU	0433 1.3 1944 0.4		**28** WE	0444 1.2 1345 0.5 1722 0.6 2017 0.6	
14 WE ◑	0458 1.3 2031 0.4		**29** TH ◐	0500 1.2 1415 0.6 1725 0.6 2034 0.6	
15 TH	0519 1.3 2111 0.4		**30** FR	0513 1.1 1445 0.6 1731 0.7 2042 0.6	

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I

55830

PAPUA NEW GUINEA - ALOTAU (MILNE BAY)

LAT 10° 19′ S LONG 150° 27′ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

MAY

	Time	m		Time	m
1 SA	0515 1.1 1451 0.7 1739 0.7 2045 0.7		**16** SU	0444 1.1 1224 0.6 2009 0.8 2114 0.8	
2 SU	0458 1.0 1229 0.7 1753 0.7 2004 0.7		**17** MO	0354 1.0 1218 0.5	
3 MO	0430 1.0 1155 0.6 1833 0.8 1959 0.8		**18** TU	0213 1.0 1228 0.4	
4 TU	0333 1.0 1152 0.5		**19** WE	0205 1.1 1245 0.4	
5 WE	0310 1.1 1212 0.5		**20** TH ○	0054 1.1 1301 0.3	
6 TH ●	0311 1.1 1242 0.4		**21** FR	0105 1.2 1310 0.3	
7 FR	0303 1.1 1318 0.3		**22** SA	0140 1.2 1240 0.3	
8 SA	0206 1.2 1400 0.3		**23** SU	0218 1.2 1220 0.4	
9 SU	0215 1.3 1448 0.3		**24** MO	0256 1.2 1226 0.4	
10 MO	0245 1.3 1547 0.3		**25** TU	0328 1.2 1243 0.4	
11 TU	0319 1.3 1659 0.4		**26** WE	0353 1.2 1302 0.4	
12 WE	0352 1.3 1819 0.5		**27** TH	0412 1.2 1322 0.5	
13 TH ◑	0419 1.3 1341 0.6 1524 0.6 1927 0.5		**28** FR ◐	0424 1.1 1336 0.5	
14 FR	0439 1.2 1306 0.6 1650 0.7 2016 0.6		**29** SA	0426 1.1 1338 0.5	
15 SA	0447 1.1 1251 0.6 1756 0.8 2055 0.7		**30** SU	0401 1.0 1306 0.6	
			31 MO	0325 1.0 1152 0.5	

JUNE

	Time	m		Time	m
1 TU	0203 1.0 1124 0.5		**16** WE	1210 0.3 2231 1.2	
2 WE	0145 1.0 1131 0.4		**17** TH	1227 0.3 2321 1.2	
3 TH	0141 1.1 1158 0.3 2344 1.1		**18** FR	1245 0.3	
4 FR	1232 0.2 2355 1.2		**19** SA ○	0014 1.2 1256 0.3	
5 SA ●	1314 0.2		**20** SU	0107 1.2 1245 0.3	
6 SU	0031 1.3 1359 0.2		**21** MO	0158 1.2 1228 0.3	
7 MO	0115 1.3 1445 0.2		**22** TU	0241 1.2 1221 0.4	
8 TU	0159 1.3 1530 0.3		**23** WE	0315 1.2 1228 0.4	
9 WE	0240 1.3 1613 0.4		**24** TH	0335 1.1 1239 0.4	
10 TH	0316 1.2 1333 0.5		**25** FR	0347 1.1 1248 0.4	
11 FR ◑	0345 1.2 1226 0.5		**26** SA	0352 1.0 1251 0.5	
12 SA	0401 1.1 1210 0.5		**27** SU ◐	0337 1.0 1230 0.5	
13 SU	0358 1.0 1203 0.5		**28** MO	0236 0.9 1150 0.5 2211 1.0	
14 MO	0030 1.0 1156 0.4 2108 1.0		**29** TU	1105 0.4 2115 1.0	
15 TU	1158 0.4 2145 1.1		**30** WE	1053 0.3 2100 1.1	

JULY

	Time	m		Time	m
1 TH	1111 0.2 2125 1.1		**16** FR	1207 0.3 2217 1.1	
2 FR	1143 0.2 2201 1.2		**17** SA	1226 0.3 2346 1.1	
3 SA	1222 0.1 2247 1.2		**18** SU	1234 0.3	
4 SU ●	1304 0.1 2339 1.3		**19** MO ○	0102 1.1 1224 0.3	
5 MO	1347 0.1		**20** TU	0206 1.1 1206 0.4	
6 TU	0031 1.3 1428 0.2		**21** WE	0252 1.1 1154 0.4	
7 WE	0120 1.2 1500 0.4		**22** TH	0319 1.1 1156 0.4	
8 TH	0205 1.2 1318 0.5		**23** FR	0330 1.0 1201 0.5 2043 0.8 2119 0.8	
9 FR	0244 1.1 1149 0.5		**24** SA	0329 1.0 1203 0.5 1931 0.9 2327 0.9	
10 SA	0314 1.0 1116 0.5 2012 0.9 2311 0.9		**25** SU	0326 0.9 1149 0.5 1929 1.0	
11 SU ◑	0329 0.9 1116 0.4 1920 1.0		**26** MO	0056 0.8 0246 0.9 1115 0.5 1921 1.0	
12 MO	0138 0.9 0309 0.9 1119 0.4 1932 1.1		**27** TU ◐	1042 0.5 1918 1.1	
13 TU	1123 0.3 2000 1.2		**28** WE	1019 0.4 1928 1.1	
14 WE	1132 0.3 2033 1.2		**29** TH	1025 0.3 1945 1.2	
15 TH	1147 0.3 2116 1.2		**30** FR	1050 0.2 2009 1.2	
			31 SA	1125 0.1 2045 1.2	

AUGUST

	Time	m		Time	m
1 SU	1203 0.1 2134 1.2		**16** MO	1150 0.4	
2 MO ●	1244 0.1 2238 1.2		**17** TU ○	0231 1.0 1136 0.4	
3 TU	1322 0.2 2343 1.1		**18** WE	0315 1.0 1115 0.5	
4 WE	1354 0.4		**19** TH	0348 1.0 1107 0.5 1915 0.9 2228 0.8	
5 TH	0041 1.1 1330 0.5		**20** FR	0415 1.0 1110 0.5 1821 0.9 2309 0.8	
6 FR	0131 1.0 1115 0.6 1939 0.9 2116 0.9		**21** SA	0426 0.9 1112 0.5 1809 1.0 2347 0.8	
7 SA	0216 0.9 1010 0.5 1834 1.0 2344 0.8		**22** SU	0339 0.8 1100 0.6 1807 1.0	
8 SU	0254 0.9 1014 0.5 1808 1.1		**23** MO	0028 0.7 0312 0.8 1020 0.6 1801 1.1	
9 MO ◑	0048 0.8 0318 0.8 1025 0.4 1816 1.2		**24** TU	0120 0.7 0238 0.7 0950 0.5 1803 1.1	
10 TU	0208 0.7 0318 0.7 1035 0.3 1837 1.2		**25** WE ◐	0933 0.4 1812 1.2	
11 WE	1045 0.3 1902 1.2		**26** TH	0936 0.3 1825 1.2	
12 TH	1100 0.3 1930 1.2		**27** FR	0955 0.3 1842 1.2	
13 FR	1119 0.3 2003 1.1		**28** SA	1025 0.2 1901 1.2	
14 SA	1138 0.3 2050 1.1		**29** SU	1100 0.2 1924 1.2	
15 SU	1152 0.3 2320 1.0		**30** MO	1136 0.2 1946 1.1	
			31 TU	0135 1.0 0246 1.0 1212 0.3 2008 1.1	

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I

55830

PAPUA NEW GUINEA - ALOTAU (MILNE BAY)

LAT 10° 19′ S LONG 150° 27′ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

SEPTEMBER

	Time	m		Time	m
1 WE ●	0158	0.9	**16** TH ○	0344	0.9
	0330	0.9		1011	0.6
	1244	0.4		1731	0.9
	2027	1.0		2248	0.8
2 TH	0235	0.9	**17** FR	0422	0.9
	0401	0.9		1013	0.6
	1247	0.6		1704	1.0
	2025	0.9		2314	0.7
3 FR	1030	0.7	**18** SA	0459	0.8
	1750	0.9		1013	0.7
	2322	0.8		1701	1.0
				2339	0.6
4 SA	0059	0.8	**19** SU	0532	0.7
	0836	0.6		0947	0.7
	1725	1.0		1659	1.1
	2345	0.7			
5 SU	0204	0.7	**20** MO	0004	0.6
	0849	0.5		0600	0.7
	1701	1.1		0834	0.6
				1652	1.1
6 MO	0015	0.6	**21** TU	0032	0.6
	0255	0.7		0602	0.6
	0910	0.5		0802	0.6
	1703	1.2		1653	1.2
7 TU	0048	0.6	**22** WE	0110	0.6
	0331	0.7		0242	0.6
	0929	0.4		0808	0.5
	1723	1.2		1702	1.2
8 WE ◑	0129	0.6	**23** TH ◐	0823	0.4
	0352	0.6		1717	1.3
	0945	0.4			
	1746	1.2			
9 TH	0232	0.7	**24** FR	0847	0.4
	0353	0.7		1735	1.3
	1002	0.4			
	1809	1.2			
10 FR	1021	0.4	**25** SA	0918	0.3
	1831	1.2		1752	1.2
11 SA	1040	0.4	**26** SU	0951	0.3
	1852	1.1		1808	1.2
12 SU	1055	0.4	**27** MO	1026	0.4
	1909	1.0		1822	1.2
13 MO	1057	0.5	**28** TU	0039	0.8
	1915	1.0		0303	0.9
				1100	0.4
				1834	1.1
14 TU	1047	0.5	**29** WE	0046	0.8
	1906	0.9		0500	0.9
	2254	0.9		1130	0.6
				1837	1.0
15 WE	0304	0.9	**30** TH ●	0108	0.7
	1024	0.5		0645	0.8
	1817	0.9		1132	0.7
	2230	0.8		1731	1.0

OCTOBER

	Time	m		Time	m
1 FR	0139	0.7	**16** SA	0744	0.8
	0838	0.8		0842	0.8
	0920	0.8		1555	1.1
	1630	1.0			
2 SA	0215	0.6	**17** SU	0022	0.5
	1618	1.1		1554	1.1
3 SU	0257	0.6	**18** MO	0046	0.5
	1551	1.2		1543	1.2
	2354	0.5			
4 MO	0226	0.5	**19** TU	0102	0.4
	0358	0.5		1541	1.2
	1551	1.2			
5 TU	0009	0.5	**20** WE	0115	0.5
	0320	0.5		1553	1.3
	0731	0.5			
	1614	1.3			
6 WE	0031	0.5	**21** TH	0512	0.5
	0352	0.6		1614	1.3
	0811	0.5			
	1639	1.3			
7 TH ◑	0059	0.5	**22** FR	0655	0.4
	0413	0.6		1635	1.3
	0842	0.5			
	1702	1.2			
8 FR	0130	0.6	**23** SA ◐	0751	0.4
	0424	0.6		1655	1.3
	0908	0.5			
	1722	1.2			
9 SA	0218	0.6	**24** SU	0146	0.7
	0428	0.6		0230	0.7
	0931	0.5		0833	0.5
	1739	1.2		1708	1.2
10 SU	0946	0.5	**25** MO	0112	0.7
	1751	1.1		0339	0.7
				0910	0.5
				1715	1.2
11 MO	0949	0.6	**26** TU	0022	0.7
	1754	1.0		0449	0.8
				0945	0.6
				1717	1.1
12 TU	0943	0.6	**27** WE	0013	0.7
	1737	1.0		0600	0.8
	2353	0.8		1013	0.7
				1658	1.0
13 WE	0245	0.8	**28** TH	0020	0.6
	0909	0.7		0718	0.9
	1654	1.0		0845	0.9
	2330	0.7		1534	1.0
14 TH	0346	0.8	**29** FR ●	0038	0.5
	0856	0.7		1514	1.1
	1604	1.0			
	2338	0.6			
15 FR ○	0525	0.8	**30** SA	0102	0.4
	0859	0.8		1505	1.2
	1552	1.0			
	2358	0.6			
			31 SU	0126	0.4
				1418	1.2

NOVEMBER

	Time	m		Time	m
1 MO	0042	0.4	**16** TU	0115	0.3
	1435	1.3		1420	1.3
	2355	0.4			
2 TU	1506	1.3	**17** WE	0201	0.3
				1439	1.3
3 WE	0002	0.4	**18** TH	0300	0.4
	1537	1.3		1507	1.3
4 TH	0020	0.4	**19** FR	0410	0.4
	1605	1.3		1536	1.3
5 FR	0042	0.5	**20** SA	0523	0.5
	0507	0.6		1601	1.3
	0703	0.6			
	1628	1.2			
6 SA ◑	0105	0.5	**21** SU ◐	0105	0.6
	0519	0.6		0354	0.6
	0751	0.6		0632	0.6
	1645	1.2		1620	1.2
7 SU	0129	0.6	**22** MO	0035	0.6
	0543	0.6		0456	0.7
	0811	0.6		0730	0.7
	1655	1.1		1628	1.2
8 MO	0147	0.6	**23** TU	0020	0.6
	0621	0.7		0612	0.8
	0810	0.7		0815	0.8
	1657	1.1		1621	1.1
9 TU	0146	0.6	**24** WE	0001	0.5
	1633	1.0		1549	1.0
				2357	0.5
10 WE	0004	0.6	**25** TH	1354	1.1
	1553	1.0			
	2333	0.6			
11 TH	1449	1.0	**26** FR	0004	0.4
	2325	0.5		1340	1.1
12 FR	1440	1.1	**27** SA	0021	0.3
	2339	0.4		1200	1.2
13 SA	1445	1.1	**28** SU ●	0041	0.3
				1233	1.2
14 SU ○	0004	0.4	**29** MO	0057	0.3
	1445	1.2		1317	1.3
15 MO	0036	0.3	**30** TU	0038	0.3
	1425	1.2		1402	1.3

DECEMBER

	Time	m		Time	m
1 WE	0007	0.4	**16** TH	0204	0.3
	1444	1.3		1355	1.3
2 TH	0003	0.4	**17** FR	0247	0.3
	1518	1.3		1431	1.3
3 FR	0015	0.4	**18** SA	0315	0.4
	1546	1.3		1505	1.3
4 SA	0031	0.4	**19** SU	0051	0.5
	1605	1.2		1533	1.2
5 SU	0046	0.5	**20** MO ◐	0006	0.5
	1616	1.2		1552	1.2
				2348	0.5
6 MO ◑	0058	0.5	**21** TU	1553	1.1
	1620	1.1		2344	0.5
7 TU	0057	0.5	**22** WE	0909	1.0
	1601	1.1		1305	1.0
				1525	1.0
				2339	0.4
8 WE	0028	0.6	**23** TH	0830	1.1
	1511	1.0		2341	0.4
	2341	0.5			
9 TH	1327	1.0	**24** FR	0905	1.2
	2314	0.5		2352	0.3
10 FR	1311	1.1	**25** SA	0950	1.2
	2313	0.4			
11 SA	1310	1.1	**26** SU	0009	0.3
	2332	0.3		1046	1.2
12 SU	1245	1.2	**27** MO	0029	0.3
				1151	1.2
13 MO	0001	0.2	**28** TU ●	0043	0.3
	1221	1.2		1258	1.2
14 TU ○	0039	0.2	**29** WE	0035	0.3
	1241	1.3		1359	1.3
15 WE	0120	0.2	**30** TH	0013	0.4
	1316	1.3		1447	1.2
			31 FR	0000	0.4
				1522	1.2

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I

55830

PAPUA NEW GUINEA - LAE

LAT 6° 45´ S LONG 147° 00´ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

JANUARY

	Time	m		Time	m
1 FR	1054 1.0 2319 0.4		**16** SA ◑	0000 0.5 0841 1.0 2309 0.5	
2 SA	1125 1.0 2257 0.4		**17** SU	0942 1.0 2207 0.4	
3 SU	1205 1.1 2255 0.3		**18** MO	1118 1.1 2202 0.3	
4 MO	1246 1.1 2300 0.3		**19** TU	1233 1.1 2224 0.2	
5 TU	1326 1.2 2306 0.3		**20** WE	1329 1.2 2253 0.1	
6 WE	1403 1.2 2305 0.3		**21** TH	1415 1.3 2325 0.1	
7 TH	1437 1.2 2304 0.3		**22** FR ○	1457 1.3 2355 0.1	
8 FR ●	1509 1.2 2312 0.3		**23** SA	1533 1.3	
9 SA	1538 1.3 2326 0.3		**24** SU	0020 0.2 1603 1.2	
10 SU	1603 1.2 2342 0.3		**25** MO	0028 0.3 1625 1.2	
11 MO	1626 1.2 2356 0.3		**26** TU	0005 0.4 1631 1.1 2345 0.5	
12 TU	0735 0.7 0855 0.7 1642 1.1		**27** WE	0707 0.9 1059 0.8 1604 1.0 2325 0.5	
13 WE	0009 0.4 0720 0.8 0958 0.8 1647 1.1		**28** TH	0707 0.9 1157 0.8 1548 0.9 2301 0.5	
14 TH	0019 0.4 0733 0.9 1058 0.8 1629 1.0		**29** FR ◐	0712 1.0 1304 0.8 1537 0.8 2248 0.4	
15 FR	0023 0.5 0801 0.9 1220 0.9 1542 0.9		**30** SA	0722 1.0 2236 0.4	
			31 SU	0744 1.0 2229 0.3	

FEBRUARY

	Time	m		Time	m
1 MO	0828 1.0 2232 0.3		**16** TU	0732 1.1 2140 0.2	
2 TU	1230 1.0 2241 0.3		**17** WE	0821 1.0 0934 1.0 1230 1.1 2202 0.2	
3 WE	1325 1.1 2247 0.3		**18** TH	1337 1.1 2229 0.1	
4 TH	1405 1.1 2248 0.3		**19** FR	1423 1.2 2255 0.2	
5 FR	1439 1.2 2246 0.3		**20** SA	0644 0.9 0743 0.9 1501 1.2 2316 0.3	
6 SA	1510 1.2 2250 0.3		**21** SU ○	0611 0.9 0840 0.8 1535 1.2 2325 0.4	
7 SU ●	0604 0.8 0822 0.7 1537 1.2 2258 0.3		**22** MO	0548 0.9 0926 0.8 1603 1.1 2310 0.5	
8 MO	0553 0.8 0909 0.7 1602 1.2 2305 0.4		**23** TU	0537 0.9 1009 0.7 1625 1.0 2246 0.5	
9 TU	0545 0.8 0952 0.7 1626 1.1 2312 0.4		**24** WE	0534 1.0 1052 0.7 1636 0.9 2230 0.5	
10 WE	0544 0.9 1033 0.7 1645 1.0 2318 0.4		**25** TH	0538 1.1 1134 0.7 1622 0.8 2212 0.5	
11 TH	0553 1.0 1115 0.7 1657 0.9 2321 0.5		**26** FR	0545 1.1 1216 0.7 1548 0.8 2200 0.5	
12 FR	0610 1.0 1203 0.7 1636 0.8 2311 0.5		**27** SA	0552 1.1 1302 0.7 1538 0.7 2155 0.4	
13 SA	0629 1.1 1307 0.7 1533 0.8 2240 0.5		**28** SU ◐	0600 1.1 2150 0.4	
14 SU ◑	0647 1.1 2158 0.4				
15 MO	0707 1.1 2131 0.3				

MARCH

	Time	m		Time	m
1 MO	0614 1.1 2150 0.4		**16** TU ◑	0553 1.2 2041 0.3	
2 TU	0630 1.0 2157 0.3		**17** WE	0603 1.1 2102 0.3	
3 WE	0653 1.0 1015 1.0 1212 1.0 2204 0.3		**18** TH	0605 1.1 1008 1.0 1229 1.0 2127 0.3	
4 TH	0738 0.9 0843 0.9 1317 1.0 2208 0.4		**19** FR	0534 1.0 0944 0.9 1337 1.1 2151 0.3	
5 FR	0606 0.9 0728 0.9 1358 1.1 2207 0.4		**20** SA	0507 1.0 0934 0.9 1423 1.1 2210 0.4	
6 SA	0523 0.8 0806 0.8 1430 1.1 2205 0.4		**21** SU	0444 0.9 0933 0.8 1502 1.0 2217 0.5	
7 SU	0457 0.9 0842 0.8 1502 1.1 2206 0.4		**22** MO ○	0426 1.0 0950 0.7 1538 1.0 2202 0.6	
8 MO ●	0445 0.9 0917 0.7 1532 1.1 2208 0.4		**23** TU	0420 1.0 1015 0.6 1608 0.9 2139 0.6	
9 TU	0438 0.9 0953 0.7 1600 1.0 2212 0.5		**24** WE	0422 1.1 1044 0.6 1633 0.8 2124 0.6	
10 WE	0438 1.0 1029 0.6 1629 1.0 2216 0.5		**25** TH	0430 1.2 1114 0.5 1650 0.7 2106 0.6	
11 TH	0447 1.1 1104 0.6 1654 0.9 2219 0.5		**26** FR	0441 1.2 1145 0.5 1655 0.7 2055 0.6	
12 FR	0500 1.1 1142 0.6 1714 0.8 2213 0.6		**27** SA	0451 1.2 1217 0.5 1626 0.6 2055 0.5	
13 SA	0515 1.2 1225 0.6 1709 0.7 2146 0.5		**28** SU	0500 1.2 1254 0.6 1554 0.6 2056 0.5	
14 SU	0530 1.2 1330 0.6 1457 0.6 2109 0.5		**29** MO	0509 1.2 1343 0.6 1535 0.6 2057 0.5	
15 MO	0542 1.2 2038 0.4		**30** TU ◐	0520 1.1 2100 0.4	
			31 WE	0530 1.1 2105 0.4	

APRIL

	Time	m		Time	m
1 TH	0530 1.0 2108 0.5		**16** FR	0446 1.1 1027 0.9 1146 0.9 2037 0.4	
2 FR	0505 1.0 0941 0.9 1243 0.9 2107 0.5		**17** SA	0407 1.0 1004 0.8 1332 0.9 2054 0.5	
3 SA	0431 0.9 0920 0.8 1334 1.0 2102 0.5		**18** SU	0333 1.0 1014 0.7 1436 0.9 2055 0.6	
4 SU	0400 0.9 0921 0.8 1416 1.0 2057 0.5		**19** MO	0313 1.1 1030 0.7 1530 0.8 2031 0.7	
5 MO	0344 1.0 0940 0.7 1456 1.0 2056 0.6		**20** TU	0307 1.1 1049 0.6 1620 0.8 2008 0.7	
6 TU	0335 1.0 1007 0.6 1535 0.9 2100 0.6		**21** WE ○	0314 1.2 1105 0.5 1707 0.7 1942 0.7	
7 WE ●	0336 1.1 1038 0.5 1615 0.9 2105 0.6		**22** TH	0326 1.2 1115 0.4 1752 0.7 1858 0.7	
8 TH	0346 1.2 1109 0.5 1654 0.8 2108 0.6		**23** FR	0341 1.3 1127 0.4	
9 FR	0401 1.2 1142 0.5 1736 0.7 2058 0.6		**24** SA	0357 1.3 1148 0.4	
10 SA	0417 1.3 1219 0.4 1827 0.6 2012 0.6		**25** SU	0412 1.3 1215 0.4 1818 0.6 1904 0.6	
11 SU	0433 1.3 1315 0.5		**26** MO	0425 1.2 1247 0.5 1740 0.6 1923 0.5	
12 MO	0445 1.3 1732 0.5		**27** TU	0438 1.2 1329 0.5 1641 0.6 1933 0.5	
13 TU	0455 1.2 1859 0.4		**28** WE	0449 1.1 1438 0.6 1610 0.6 1936 0.5	
14 WE ◑	0503 1.2 1939 0.4		**29** TH ◐	0454 1.1 1936 0.6	
15 TH	0506 1.1 2011 0.4		**30** FR	0439 1.0 1930 0.6	

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I

55980

PAPUA NEW GUINEA - LAE

LAT 6° 45´ S LONG 147° 00´ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

MAY

	Time	m		Time	m
1 SA	0358 1025 1109 1915	1.0 0.8 0.8 0.6	**16** SU	0230 1035 1600 1834	1.0 0.7 0.7 0.7
2 SU	0310 0943 1302 1911	1.0 0.8 0.8 0.6	**17** MO	0158 1040	1.1 0.6
3 MO	0243 0950 1415 1916	1.0 0.7 0.8 0.7	**18** TU	0153 1057	1.1 0.5
4 TU	0229 1012 1523 1925	1.1 0.6 0.8 0.7	**19** WE	0204 1114	1.2 0.4
5 WE	0230 1041 1629 1931	1.2 0.5 0.8 0.7	**20** TH ○	0221 1127	1.2 0.4
6 TH ●	0244 1114 1745 1922	1.2 0.4 0.7 0.7	**21** FR	0243 1131	1.3 0.4
7 FR	0303 1152	1.3 0.3	**22** SA	0306 1133	1.3 0.3
8 SA	0325 1234	1.3 0.3	**23** SU	0329 1147	1.3 0.4
9 SU	0345 1326	1.3 0.3	**24** MO	0351 1210	1.3 0.4
10 MO	0404 1438	1.3 0.4	**25** TU	0412 1238	1.2 0.4
11 TU	0415 1609	1.3 0.4	**26** WE	0428 1310	1.2 0.5
12 WE	0422 1724	1.2 0.4	**27** TH	0437 1344	1.1 0.5
13 TH ◑	0427 1819	1.2 0.5	**28** FR ◐	0434 1419	1.1 0.5
14 FR	0422 1856	1.1 0.6	**29** SA	0400 1454	1.0 0.6
15 SA	0334 1909	1.0 0.6	**30** SU	0238 1522	1.0 0.6
			31 MO	0139 1006 1420 1515	1.0 0.6 0.7 0.7

JUNE

	Time	m		Time	m
1 TU	0115 1000	1.1 0.5	**16** WE	0052 1108	1.2 0.4
2 WE	0118 1020	1.1 0.4	**17** TH	0118 1122	1.2 0.3
3 TH	0137 1050	1.2 0.3	**18** FR	0148 1131	1.2 0.3
4 FR	0203 1127	1.3 0.2	**19** SA ○	0219 1130	1.2 0.3
5 SA ●	0233 1207	1.3 0.2	**20** SU	0250 1128	1.3 0.3
6 SU	0304 1250	1.3 0.2	**21** MO	0320 1137	1.2 0.3
7 MO	0334 1335	1.3 0.2	**22** TU	0347 1155	1.2 0.4
8 TU	0359 1418	1.3 0.3	**23** WE	0412 1215	1.2 0.4
9 WE	0407 1455	1.2 0.4	**24** TH	0429 1234	1.2 0.4
10 TH	0359 1446	1.2 0.5	**25** FR	0434 1252	1.1 0.5
11 FR ◑	0358 1401	1.1 0.6	**26** SA	0421 1306	1.0 0.5
12 SA	0343 1302	1.0 0.6	**27** SU ◐	0333 1309	1.0 0.5
13 SU	0133 1159	1.0 0.6	**28** MO	0004 1230 2324	0.9 0.6 1.0
14 MO	0031 1103	1.0 0.5	**29** TU	1028 2347	0.5 1.1
15 TU	0032 1056	1.1 0.4	**30** WE	0959	0.4

JULY

	Time	m		Time	m
1 TH	0023 1016	1.1 0.3	**16** FR	0058 1109	1.1 0.3
2 FR	0102 1047	1.2 0.2	**17** SA	0139 1116	1.2 0.3
3 SA	0144 1122	1.3 0.1	**18** SU	0215 1110	1.2 0.3
4 SU ●	0225 1200	1.3 0.1	**19** MO ○	0248 1103	1.2 0.3
5 MO	0304 1237	1.3 0.2	**20** TU	0318 1111	1.2 0.3
6 TU	0339 1308	1.3 0.2	**21** WE	0345 1122 1852 2038	1.2 0.4 0.7 0.7
7 WE	0406 1324	1.2 0.3	**22** TH	0407 1133 1832 2135	1.2 0.4 0.8 0.8
8 TH	0414 1259	1.1 0.4	**23** FR	0425 1144 1830 2226	1.1 0.4 0.8 0.8
9 FR	0336 1230	1.1 0.5	**24** SA	0431 1153 1844 2320	1.0 0.4 0.9 0.8
10 SA	0328 1157 2116	1.0 0.5 0.9	**25** SU	0411 1155 1907	0.9 0.5 1.0
11 SU ◑	0038 0306 1118 2130	0.9 0.9 0.5 1.0	**26** MO	0041 0319 1136 1936	0.8 0.8 0.5 1.0
12 MO	1057 2212	0.4 1.0	**27** TU ◐	1053 2014	0.5 1.0
13 TU	1040 2315	0.4 1.1	**28** WE	0953 2121	0.4 1.1
14 WE	1044	0.3	**29** TH	0942 2344	0.3 1.1
15 TH	0011 1056	1.1 0.3	**30** FR	1000	0.2
			31 SA	0053 1030	1.2 0.1

AUGUST

	Time	m		Time	m
1 SU	0144 1101	1.2 0.1	**16** MO	0212 1025	1.1 0.3
2 MO ●	0228 1133	1.2 0.1	**17** TU ○	0242 1020 1735 2017	1.1 0.4 0.8 0.7
3 TU	0306 1200	1.2 0.2	**18** WE	0310 1024 1719 2101	1.1 0.4 0.8 0.7
4 WE	0339 1212 1930 2058	1.2 0.3 0.8 0.8	**19** TH	0335 1031 1709 2143	1.1 0.4 0.9 0.7
5 TH	0403 1149 1853 2200	1.1 0.4 0.8 0.8	**20** FR	0359 1038 1711 2222	1.0 0.4 0.9 0.7
6 FR	0409 1120 1838 2257	1.0 0.5 0.9 0.8	**21** SA	0419 1045 1721 2302	1.0 0.4 1.0 0.7
7 SA	0313 1053 1834 2355	0.9 0.5 1.0 0.8	**22** SU	0430 1048 1738 2347	0.9 0.5 1.0 0.7
8 SU	0300 1023 1835	0.8 0.5 1.0	**23** MO	0406 1038 1756	0.8 0.5 1.1
9 MO ◑	0114 0244 1011 1837	0.8 0.8 0.4 1.1	**24** TU	0050 0303 1011 1814	0.7 0.7 0.5 1.1
10 TU	1004 1850	0.4 1.1	**25** WE ◐	0931 1832	0.4 1.1
11 WE	1004 1917	0.3 1.1	**26** TH	0902 1854	0.3 1.1
12 TH	1014 2010 2213 2352	0.3 1.0 1.0 1.0	**27** FR	0909 1927 2211 2333	0.3 1.0 1.0 1.0
13 FR	1027	0.3	**28** SA	0931	0.2
14 SA	0056 1037	1.1 0.3	**29** SU	0057 0959	1.1 0.2
15 SU	0138 1037	1.1 0.3	**30** MO	0145 1026 1810 1947	1.1 0.2 0.9 0.9
			31 TU	0226 1048 1745 2034	1.1 0.3 0.9 0.8

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I

55980

PAPUA NEW GUINEA - LAE

LAT 6° 45´ S LONG 147° 00´ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

SEPTEMBER

	Time	m		Time	m		Time	m		Time	m
1 WE ●	0302	1.1	**16** TH ○	0300	1.0	**1** FR	0338	0.8	**16** SA	0343	0.8
	1058	0.4		0923	0.5		0851	0.6		0821	0.6
	1724	0.9		1603	0.9		1556	1.1		1518	1.2
	2116	0.8		2137	0.6		2234	0.5		2243	0.4
2 TH	0333	1.0	**17** FR	0330	0.9	**2** SA	0406	0.7	**17** SU	0422	0.7
	1038	0.5		0930	0.5		0825	0.6		0825	0.6
	1712	0.9		1606	1.0		1604	1.2		1534	1.2
	2158	0.7		2210	0.6		2300	0.5		2311	0.4
3 FR	0357	0.9	**18** SA	0357	0.9	**3** SU	0423	0.6	**18** MO	0502	0.6
	1009	0.5		0937	0.5		0756	0.6		0814	0.6
	1709	1.0		1617	1.1		1615	1.2		1552	1.2
	2238	0.7		2244	0.6		2329	0.5		2345	0.4
4 SA	0405	0.8	**19** SU	0423	0.8	**4** MO	0413	0.6	**19** TU	0554	0.6
	0945	0.5		0941	0.5		0751	0.5		0723	0.6
	1711	1.1		1631	1.1		1624	1.2		1610	1.3
	2320	0.6		2318	0.5						
5 SU	0303	0.7	**20** MO	0443	0.7	**5** TU	0000	0.5	**20** WE	0029	0.4
	0918	0.5		0933	0.5		0253	0.5		1625	1.3
	1716	1.1		1647	1.2		0800	0.4			
				2359	0.5		1631	1.2			
6 MO	0003	0.6	**21** TU	0433	0.6	**6** WE	0037	0.5	**21** TH	0501	0.4
	0244	0.7		0909	0.5		0255	0.5		1637	1.2
	0910	0.4		1703	1.2		0811	0.4			
	1720	1.2					1641	1.2			
7 TU	0055	0.7	**22** WE	0100	0.6	**7** TH ◑	0130	0.6	**22** FR	0618	0.4
	0242	0.7		0230	0.6		0247	0.6		1647	1.2
	0911	0.4		0834	0.5		0821	0.4			
	1727	1.2		1717	1.2		1655	1.1			
8 WE ◑	0915	0.3	**23** TH ◐	0803	0.4	**8** FR	0830	0.4	**23** SA ◐	0659	0.4
	1740	1.1		1730	1.2		1708	1.1		1652	1.1
9 TH	0922	0.3	**24** FR	0805	0.3	**9** SA	0838	0.4	**24** SU	0730	0.4
	1758	1.1		1740	1.1		1711	1.0		1638	1.0
10 FR	0933	0.3	**25** SA	0826	0.3	**10** SU	0839	0.4	**25** MO	0755	0.4
	1816	1.0		1744	1.0		1651	0.9		1553	1.0
	2234	0.9		2232	0.9		2151	0.8		2203	0.8
	2330	0.9		2318	0.9						
11 SA	0943	0.3	**26** SU	0851	0.3	**11** MO	0014	0.9	**26** TU	0047	0.8
	1828	0.9		1717	1.0		0829	0.5		0810	0.5
	2130	0.9		2139	0.9		1614	0.9		1514	1.0
							2126	0.8		2205	0.7
12 SU	0047	1.0	**27** MO	0054	1.0	**12** TU	0108	0.9	**27** WE	0200	0.8
	0945	0.4		0915	0.3		0809	0.5		0804	0.6
	1749	0.9		1645	1.0		1532	0.9		1449	1.0
	1958	0.9		2132	0.8		2119	0.7		2221	0.6
13 MO	0128	1.0	**28** TU	0143	1.0	**13** WE	0148	0.9	**28** TH	0302	0.7
	0935	0.4		0933	0.4		0801	0.5		0740	0.6
	1704	0.8		1619	0.9		1512	1.0		1443	1.1
	2003	0.8		2137	0.8		2130	0.6		2243	0.5
14 TU	0200	1.0	**29** WE	0225	1.0	**14** TH	0227	0.9	**29** FR ●	0407	0.7
	0922	0.4		0937	0.5		0806	0.5		0706	0.7
	1627	0.8		1600	1.0		1502	1.0		1449	1.2
	2031	0.7		2151	0.7		2150	0.6		2303	0.4
15 WE	0231	1.0	**30** TH ●	0303	0.9	**15** FR ○	0304	0.8	**30** SA	1503	1.2
	0919	0.4		0916	0.6		0814	0.6		2315	0.4
	1611	0.9		1553	1.0		1506	1.1			
	2104	0.7		2211	0.6		2215	0.5			
									31 SU	1520	1.3
										2319	0.4

OCTOBER

	Time	m		Time	m		Time	m		Time	m
1 MO	1537	1.3	**16** TU	1529	1.3	**1** WE	1545	1.3	**16** TH	0051	0.2
	2333	0.4					2351	0.3		1557	1.3
2 TU	1552	1.3	**17** WE	0041	0.3	**2** TH	1605	1.2	**17** FR	0124	0.3
	2356	0.4		1551	1.3					1616	1.3
3 WE	1605	1.2	**18** TH	0139	0.3	**3** FR	0014	0.4	**18** SA	0140	0.3
				1608	1.3		1620	1.2		1617	1.2
4 TH	0026	0.4	**19** FR	0314	0.3	**4** SA	0039	0.4	**19** SU	0128	0.4
	0409	0.5		1617	1.2		1629	1.1		1606	1.1
	0629	0.5									
	1618	1.2									
5 FR	0102	0.5	**20** SA	0437	0.4	**5** SU	0105	0.4	**20** MO ◐	0114	0.5
	0400	0.5		1621	1.2		1630	1.1		1558	1.0
	0657	0.5									
	1631	1.1									
6 SA ◑	0156	0.5	**21** SU ◐	0532	0.4	**6** MO ◑	0130	0.5	**21** TU	0035	0.5
	0405	0.5		1619	1.1		1610	1.0		1457	1.0
	0705	0.5								2345	0.5
	1640	1.1									
7 SU	0700	0.5	**22** MO	0606	0.5	**7** TU	0152	0.5	**22** WE	1215	1.0
	1630	1.0		1546	1.0		1503	1.0		2304	0.4
8 MO	0624	0.6	**23** TU	0608	0.6	**8** WE	0200	0.6	**23** TH	1215	1.1
	1551	1.0		1424	1.0		1332	1.0		2247	0.4
				2255	0.6		2250	0.6			
9 TU	0603	0.6	**24** WE	1344	1.0	**9** TH	1302	1.0	**24** FR	1242	1.1
	1453	1.0		2234	0.5		2205	0.5		2257	0.3
	2154	0.7									
10 TU	0047	0.7	**25** TH	1335	1.1	**10** FR	1305	1.1	**25** SA	1314	1.2
	0613	0.6		2246	0.4		2213	0.4		2311	0.2
	1418	1.0									
	2149	0.6									
11 WE	0201	0.7	**26** FR	1347	1.2	**11** SA	1325	1.2	**26** SU	1348	1.2
	0625	0.6		2304	0.3		2234	0.3		2325	0.2
	1404	1.1									
	2201	0.5									
12 TH	0303	0.7	**27** SA	1407	1.2	**12** SU	1352	1.2	**27** MO	1422	1.2
	0637	0.6		2322	0.3		2304	0.2		2330	0.2
	1407	1.1									
	2223	0.4									
13 FR	0407	0.7	**28** SU ●	1431	1.3	**13** MO	1424	1.3	**28** TU ●	1455	1.3
	0644	0.6		2332	0.3		2338	0.2		2324	0.3
	1421	1.2									
	2250	0.3									
14 SA	0527	0.7	**29** MO	1457	1.3	**14** TU ○	1458	1.3	**29** WE	1526	1.3
	0630	0.7		2330	0.3					2325	0.3
	1442	1.2									
	2322	0.3									
15 SU	1505	1.3	**30** TU	1522	1.3	**15** WE	0015	0.2	**30** TH	1552	1.2
	2358	0.3		2334	0.3		1530	1.3		2336	0.3
30 MO	1515	1.3							**31** FR	1615	1.2
	2319	0.4								2352	0.3

NOVEMBER

	Time	m		Time	m		Time	m		Time	m
1 SU	1520	1.3	**16** MO	1508	1.3	**1** TU	1537	1.3	**16** WE	1529	1.3
	2319	0.4					2333	0.4			
2 MO	1537	1.3	**17** TU	1529	1.3	**2** WE	1552	1.3	**17** TH	0041	0.3
	2333	0.4					2356	0.4		1551	1.3
3 TU	1552	1.3	**18** WE	0041	0.3	**3** TH	1605	1.2	**18** FR	0139	0.3
	2356	0.4		1551	1.3					1608	1.3
4 WE	1605	1.2	**19** TH	0139	0.3	**4** FR	0014	0.4	**19** SA	0314	0.3
				1608	1.3		1620	1.2		1617	1.2
5 TH	0026	0.4	**20** FR	0314	0.3	**5** SA	0039	0.4	**20** SU	0437	0.4
	0409	0.5		1617	1.2		1629	1.1		1621	1.2
	0629	0.5									
	1618	1.2									
6 FR	0102	0.5	**21** SA	0437	0.4	**6** SU	0105	0.4	**21** MO ◐	0532	0.4
	0400	0.5		1621	1.2		1630	1.1		1619	1.1
	0657	0.5									
	1631	1.1									
7 SA	0156	0.5	**22** SU ◐	0532	0.4	**7** MO ◑	0130	0.5	**22** TU	0035	0.5
	0405	0.5		1619	1.1		1610	1.0		1457	1.0
	0705	0.5								2345	0.5
	1640	1.1									
8 SU	0700	0.5	**23** MO	0606	0.5	**8** TU	0152	0.5	**23** WE	1215	1.0
	1630	1.0		1546	1.0		1503	1.0		2304	0.4
9 MO	0624	0.6	**24** TU	0608	0.6	**9** WE	0200	0.6	**24** TH	1215	1.1
	1551	1.0		1424	1.0		1332	1.0		2247	0.4
				2255	0.6		2250	0.6			
10 TU	0047	0.7	**25** WE	1335	1.1	**10** TH	1305	1.1	**25** FR	1314	1.2
	0613	0.6		2246	0.4		2213	0.4		2311	0.2
	1418	1.0									
	2149	0.6									
11 WE	0201	0.7	**26** TH	1347	1.2	**11** FR	1325	1.2	**26** SA	1348	1.2
	0625	0.6		2304	0.3		2234	0.3		2325	0.2
	1404	1.1									
	2201	0.5									
12 TH	0303	0.7	**27** FR	1407	1.2	**12** SA	1352	1.2	**27** SU	1422	1.2
	0637	0.6		2322	0.3		2304	0.2		2330	0.2
	1407	1.1									
	2223	0.4									
13 FR	0407	0.7	**28** SA ●	1431	1.3	**13** SU	1424	1.3	**28** MO	1455	1.3
	0644	0.6		2332	0.3		2338	0.2		2324	0.3
	1421	1.2									
	2250	0.3									
14 SA	0527	0.7	**29** SU	1457	1.3	**14** MO	1458	1.3	**29** TU ●	1526	1.3
	0630	0.7		2330	0.3					2325	0.3
	1442	1.2									
	2322	0.3									
15 SU	1505	1.3	**30** MO	1522	1.3	**15** TU ○	0015	0.2	**30** WE	1552	1.2
	2358	0.3		2334	0.3		1530	1.3		2336	0.3

DECEMBER

	Time	m		Time	m		Time	m		Time	m
1 WE	1545	1.3	**16** TH	0051	0.2	**1** TH	1605	1.2	**16** FR	0124	0.3
	2351	0.3		1557	1.3					1616	1.3
2 TH	1605	1.2	**17** FR	0124	0.3	**2** FR	0014	0.4	**17** SA	0140	0.3
				1616	1.3		1620	1.2		1617	1.2
3 FR	0014	0.4	**18** SA	0140	0.3	**3** SA	0039	0.4	**18** SU	0128	0.4
	1620	1.2		1617	1.2		1629	1.1		1606	1.1
4 SA	0039	0.4	**19** SU	0128	0.4	**4** SU	0105	0.4	**19** MO ◐	0114	0.5
	1629	1.1		1606	1.1		1630	1.1		1558	1.0
5 SU	0105	0.4	**20** MO ◐	0114	0.5	**5** MO ◑	0130	0.5	**20** TU	0035	0.5
	1630	1.1		1558	1.0		1610	1.0		1457	1.0
										2345	0.5
6 MO ◑	0130	0.5	**21** TU	0035	0.5	**6** TU	0152	0.5	**21** WE	1215	1.0
	1610	1.0		1457	1.0		1503	1.0		2304	0.4
				2345	0.5						
7 TU	0152	0.5	**22** WE	1215	1.0	**7** WE	0200	0.6	**22** TH	1215	1.1
	1503	1.0		2304	0.4		1332	1.0		2247	0.4
							2250	0.6			
8 WE	0200	0.6	**23** TH	1215	1.1	**8** TH	1302	1.0	**23** FR	1242	1.1
	1332	1.0		2247	0.4		2205	0.5		2257	0.3
	2250	0.6									
9 TH	1302	1.0	**24** FR	1242	1.1	**9** FR	1305	1.1	**24** SA	1314	1.2
	2205	0.5		2257	0.3		2213	0.4		2311	0.2
10 FR	1305	1.1	**25** SA	1314	1.2	**10** SA	1325	1.2	**25** SU	1348	1.2
	2213	0.4		2311	0.2		2234	0.3		2325	0.2
11 SA	1325	1.2	**26** SU	1348	1.2	**11** SU	1352	1.2	**26** MO	1422	1.2
	2234	0.3		2325	0.2		2304	0.2		2330	0.2
12 SU	1352	1.2	**27** MO	1422	1.2	**12** MO	1424	1.3	**27** TU	1455	1.3
	2304	0.2		2330	0.2		2338	0.2		2324	0.3
13 MO	1424	1.3	**28** TU ●	1455	1.3	**13** TU ○	1458	1.3	**28** WE	1526	1.3
	2338	0.2		2324	0.3					2325	0.3
14 TU	1458	1.3	**29** WE	1526	1.3	**14** WE	0015	0.2	**29** TH	1552	1.2
				2325	0.3		1530	1.3		2336	0.3
15 WE	0015	0.2	**30** TH	1552	1.2	**15** TH	0051	0.2	**30** FR	1615	1.2
	1530	1.3		2336	0.3		1557	1.3		2352	0.3
16 TH	0051	0.2	**31** FR	1615	1.2	**16** FR	0124	0.3	**31** SA	1638	1.2
	1557	1.3		2352	0.3		1616	1.3			
17 FR	0124	0.3	**1** SA	1638	1.2	**17** SA	0140	0.3	**1** SU	1701	1.2
	1616	1.3					1617	1.2			

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I

55980

PAPUA NEW GUINEA - DREGERHAFEN (DREGER HARBOUR)

LAT 6° 39´ S LONG 147° 53´ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

JANUARY

	Time	m		Time	m
1 FR	1030	1.0	**16** SA ◑	0003	0.5
	2315	0.4		0819	1.0
				2320	0.5
2 SA	1117	1.0	**17** SU	0910	1.0
	2256	0.4		2219	0.4
3 SU	1206	1.1	**18** MO	1042	1.1
	2246	0.4		2213	0.3
4 MO	1251	1.1	**19** TU	1213	1.1
	2254	0.3		2233	0.2
5 TU	1330	1.2	**20** WE	1323	1.2
	2303	0.3		2302	0.1
6 WE	1408	1.2	**21** TH	1413	1.2
	2256	0.3		2332	0.1
7 TH	1442	1.2	**22** FR ○	1453	1.3
	2258	0.3			
8 FR ●	1513	1.3	**23** SA	0001	0.2
	2314	0.3		1527	1.3
9 SA	1539	1.3	**24** SU	0021	0.2
	2330	0.3		1554	1.2
10 SU	1601	1.3	**25** MO	0018	0.3
	2336	0.3		1616	1.2
				2354	0.4
11 MO	0639	0.7	**26** TU	0700	0.8
	0825	0.7		1001	0.8
	1622	1.2		1630	1.1
	2345	0.4		2335	0.5
12 TU	0643	0.8	**27** WE	0654	0.9
	0917	0.7		1103	0.8
	1640	1.2		1610	1.0
	2359	0.4		2315	0.5
13 WE	0657	0.8	**28** TH	0702	1.0
	1014	0.8		1204	0.8
	1645	1.1		1558	0.9
				2301	0.5
14 TH	0011	0.4	**29** FR ◐	0708	1.0
	0718	0.9		1317	0.8
	1115	0.8		1546	0.8
	1632	1.0		2247	0.4
15 FR	0013	0.5	**30** SA	0710	1.1
	0745	0.9		2234	0.4
	1233	0.9			
	1612	0.9			
			31 SU	0729	1.1
				2225	0.4

FEBRUARY

	Time	m		Time	m
1 MO	0813	1.0	**16** TU	0704	1.1
	2224	0.3		2151	0.3
2 TU	1249	1.1	**17** WE	0744	1.1
	2236	0.3		1015	1.1
				1222	1.1
				2213	0.2
3 WE	1338	1.1	**18** TH	1339	1.1
	2247	0.3		2238	0.2
4 TH	1414	1.2	**19** FR	1425	1.2
	2245	0.3		2301	0.2
5 FR	1445	1.2	**20** SA	1502	1.2
	2242	0.3		2317	0.3
6 SA	1515	1.2	**21** SU ○	0558	0.9
	2250	0.3		0847	0.8
				1533	1.2
				2321	0.4
7 SU ●	0544	0.8	**22** MO	0547	0.9
	0815	0.7		0937	0.8
	1540	1.2		1558	1.1
	2258	0.4		2306	0.5
8 MO	0534	0.8	**23** TU	0539	0.9
	0906	0.7		1021	0.7
	1601	1.2		1618	1.0
	2258	0.4		2247	0.5
9 TU	0534	0.9	**24** WE	0536	1.0
	0953	0.7		1104	0.7
	1622	1.1		1633	0.9
	2303	0.4		2232	0.5
10 WE	0536	0.9	**25** TH	0540	1.1
	1038	0.7		1146	0.7
	1640	1.1		1634	0.8
	2311	0.4		2217	0.5
11 TH	0544	1.0	**26** FR	0546	1.1
	1123	0.7		1228	0.7
	1650	1.0		1607	0.8
	2313	0.5		2206	0.5
12 FR	0557	1.1	**27** SA	0551	1.2
	1211	0.7		1313	0.7
	1639	0.9		1556	0.7
	2309	0.5		2157	0.5
13 SA	0613	1.1	**28** SU ◐	0557	1.1
	1313	0.7		2153	0.4
	1617	0.8			
	2252	0.5			
14 SU ◑	0628	1.1			
	2215	0.4			
15 MO	0643	1.1			
	2143	0.3			

MARCH

	Time	m		Time	m
1 MO	0609	1.1	**16** TU ◑	0548	1.2
	2147	0.4		2054	0.4
2 TU	0624	1.1	**17** WE	0604	1.2
	2152	0.4		2113	0.3
3 WE	0638	1.0	**18** TH	0615	1.1
	1003	1.0		1021	1.0
	1241	1.0		1225	1.0
	2204	0.4		2135	0.3
4 TH	0653	1.0	**19** FR	0552	1.0
	0815	0.9		0948	1.0
	1330	1.1		1339	1.1
	2211	0.4		2155	0.3
5 FR	0640	0.9	**20** SA	0515	1.0
	0801	0.9		0915	0.9
	1404	1.1		1428	1.1
	2202	0.4		2208	0.4
6 SA	0525	0.9	**21** SU	0439	1.0
	0816	0.8		0934	0.8
	1435	1.2		1510	1.1
	2200	0.4		2214	0.5
7 SU	0454	0.9	**22** MO ○	0432	1.0
	0845	0.8		1001	0.7
	1505	1.2		1546	1.0
	2204	0.4		2207	0.6
8 MO ●	0438	0.9	**23** TU	0431	1.1
	0920	0.7		1030	0.7
	1533	1.1		1615	0.9
	2202	0.5		2149	0.6
9 TU	0435	1.0	**24** WE	0432	1.1
	0956	0.7		1056	0.6
	1600	1.1		1638	0.9
	2205	0.5		2136	0.7
10 WE	0437	1.1	**25** TH	0437	1.2
	1032	0.6		1125	0.6
	1623	1.0		1654	0.8
	2213	0.5		2122	0.6
11 TH	0444	1.1	**26** FR	0445	1.2
	1109	0.6		1155	0.5
	1645	0.9		1700	0.7
	2216	0.5		2110	0.6
12 FR	0454	1.2	**27** SA	0454	1.2
	1146	0.6		1225	0.6
	1701	0.8		1643	0.7
	2214	0.5		2104	0.6
13 SA	0507	1.2	**28** SU	0501	1.2
	1227	0.6		1257	0.6
	1659	0.7		1620	0.7
	2205	0.5		2106	0.5
14 SU	0521	1.2	**29** MO	0514	1.2
	1320	0.6		1339	0.7
	1613	0.7		1527	0.7
	2138	0.5		2105	0.5
15 MO	0534	1.2	**30** TU ◐	0527	1.2
	2056	0.5		2101	0.5
			31 WE	0533	1.1
				2108	0.5

APRIL

	Time	m		Time	m
1 TH	0532	1.1	**16** FR	0450	1.1
	2113	0.5		2036	0.5
2 FR	0521	1.0	**17** SA	0415	1.1
	0948	0.9		1008	0.9
	1250	1.0		1331	0.9
	2101	0.5		2048	0.6
3 SA	0443	1.0	**18** SU	0330	1.1
	0906	0.9		1015	0.8
	1336	1.0		1442	0.9
	2056	0.5		2053	0.6
4 SU	0405	1.0	**19** MO	0315	1.1
	0914	0.8		1024	0.7
	1415	1.0		1543	0.9
	2054	0.6		2045	0.7
5 MO	0340	1.0	**20** TU	0318	1.2
	0935	0.7		1041	0.6
	1453	1.0		1636	0.9
	2048	0.6		2027	0.8
6 TU	0332	1.1	**21** WE ○	0326	1.2
	1000	0.7		1101	0.5
	1530	1.0		1725	0.8
	2053	0.6		2007	0.8
7 WE ●	0336	1.2	**22** TH	0334	1.3
	1026	0.6		1119	0.5
	1607	0.9		1806	0.7
	2103	0.6		1940	0.7
8 TH	0345	1.2	**23** FR	0345	1.3
	1055	0.5		1138	0.5
	1644	0.9		1826	0.7
	2110	0.7		1910	0.7
9 FR	0358	1.3	**24** SA	0359	1.3
	1127	0.5		1159	0.5
	1718	0.8		1828	0.7
	2108	0.7		1930	0.7
10 SA	0414	1.3	**25** SU	0412	1.3
	1204	0.5		1221	0.5
	1753	0.7		1822	0.6
	2059	0.6		1950	0.6
11 SU	0430	1.3	**26** MO	0428	1.3
	1248	0.5		1245	0.5
	1828	0.6		1732	0.6
	2019	0.6		1957	0.6
12 MO	0445	1.3	**27** TU	0447	1.2
	1410	0.5		1320	0.6
	1555	0.6		1723	0.6
	1845	0.5		1949	0.6
13 TU	0457	1.3	**28** WE	0501	1.2
	1918	0.5		1420	0.6
				1636	0.6
				1949	0.6
14 WE ◑	0507	1.2	**29** TH ◐	0501	1.1
	1948	0.5		1913	0.6
15 TH	0513	1.2	**30** FR	0446	1.1
	2015	0.5		1906	0.6

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I

55990

PAPUA NEW GUINEA - DREGERHAFEN (DREGER HARBOUR)

LAT 6° 39´ S LONG 147° 53´ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

MAY

	Time	m		Time	m
1 SA	0409 1.0 1904 0.7		**16** SU	0225 1.1 1039 0.7 1628 0.8 1837 0.8	
2 SU	0310 1.1 0943 0.8 1255 0.9 1852 0.7		**17** MO	0151 1.1 1039 0.6	
3 MO	0233 1.1 0939 0.7 1402 0.9 1901 0.7		**18** TU	0159 1.2 1056 0.5	
4 TU	0221 1.2 0958 0.6 1503 0.8 1916 0.7		**19** WE	0213 1.2 1112 0.5	
5 WE	0227 1.2 1024 0.5 1603 0.8 1930 0.8		**20** TH ○	0228 1.3 1122 0.4	
6 TH ●	0239 1.3 1053 0.4 1705 0.8 1933 0.8		**21** FR	0245 1.3 1129 0.4	
7 FR	0259 1.3 1125 0.4 1826 0.8 1909 0.8		**22** SA	0306 1.3 1143 0.4	
8 SA	0321 1.4 1202 0.4		**23** SU	0327 1.3 1202 0.4	
9 SU	0344 1.4 1246 0.4		**24** MO	0348 1.3 1222 0.4	
10 MO	0405 1.4 1342 0.4		**25** TU	0413 1.3 1237 0.5	
11 TU	0418 1.3 1542 0.5		**26** WE	0436 1.2 1300 0.5	
12 WE	0423 1.3 1725 0.5		**27** TH	0449 1.2 1334 0.5	
13 TH ◑	0429 1.2 1819 0.6		**28** FR ◐	0440 1.1 1413 0.6	
14 FR	0418 1.1 1855 0.6		**29** SA	0406 1.1 1450 0.6	
15 SA	0330 1.1 1910 0.7		**30** SU	0217 1.0 1520 0.7	
			31 MO	0115 1.1 1003 0.7 1223 0.7 1445 0.7	

JUNE

	Time	m		Time	m
1 TU	0104 1.1 0951 0.6		**16** WE	0058 1.2 1101 0.4	
2 WE	0112 1.2 1009 0.5		**17** TH	0123 1.2 1117 0.4	
3 TH	0130 1.3 1039 0.4		**18** FR	0150 1.3 1126 0.4	
4 FR	0156 1.3 1115 0.3		**19** SA ○	0221 1.3 1121 0.4	
5 SA ●	0228 1.4 1154 0.3		**20** SU	0253 1.3 1131 0.4	
6 SU	0300 1.4 1235 0.3		**21** MO	0321 1.3 1149 0.4	
7 MO	0332 1.4 1318 0.3		**22** TU	0347 1.3 1203 0.4	
8 TU	0400 1.3 1356 0.4		**23** WE	0412 1.2 1211 0.4	
9 WE	0411 1.3 1415 0.5		**24** TH	0433 1.2 1225 0.5	
10 TH	0356 1.2 1403 0.5		**25** FR	0444 1.1 1246 0.5	
11 FR ◑	0358 1.1 1334 0.6		**26** SA	0428 1.1 1305 0.5	
12 SA	0331 1.0 1236 0.6		**27** SU ◐	0350 1.0 1309 0.6 2253 1.0	
13 SU	0127 1.0 1200 0.6		**28** MO	1251 0.6 2307 1.1	
14 MO	0019 1.1 1109 0.5		**29** TU	1042 0.6 2336 1.1	
15 TU	0034 1.2 1050 0.5		**30** WE	0959 0.5	

JULY

	Time	m		Time	m
1 TH	0012 1.2 1016 0.4		**16** FR	0105 1.2 1103 0.3	
2 FR	0054 1.3 1046 0.3		**17** SA	0146 1.2 1111 0.3	
3 SA	0138 1.3 1123 0.2		**18** SU	0222 1.2 1057 0.4	
4 SU ●	0221 1.3 1200 0.2		**19** MO ○	0255 1.2 1102 0.4	
5 MO	0301 1.3 1236 0.2		**20** TU	0324 1.3 1115 0.4 1810 0.7 2005 0.7	
6 TU	0335 1.3 1300 0.3		**21** WE	0347 1.2 1121 0.4 1802 0.8 2059 0.7	
7 WE	0402 1.2 1300 0.4		**22** TH	0409 1.2 1126 0.4 1807 0.8 2147 0.8	
8 TH	0418 1.2 1236 0.5		**23** FR	0429 1.1 1137 0.4 1815 0.9 2237 0.8	
9 FR	0343 1.1 1214 0.5 2032 0.9 2250 0.9		**24** SA	0440 1.1 1150 0.5 1831 1.0 2334 0.8	
10 SA	0341 1.0 1141 0.5 2045 1.0		**25** SU	0428 1.0 1154 0.5 1854 1.0	
11 SU ◑	0053 0.9 0318 0.9 1122 0.5 2119 1.0		**26** MO	0112 0.8 0408 0.9 1147 0.5 1919 1.1	
12 MO	1101 0.5 2207 1.1		**27** TU ◐	1115 0.5 1953 1.1	
13 TU	1044 0.4 2309 1.1		**28** WE	1005 0.5 2046 1.1	
14 WE	1037 0.4		**29** TH	0951 0.4 2326 1.1	
15 TH	0015 1.1 1048 0.3		**30** FR	1009 0.3	
			31 SA	0048 1.2 1037 0.2	

AUGUST

	Time	m		Time	m
1 SU	0143 1.2 1108 0.2		**16** MO	0220 1.2 1014 0.4 1729 0.8 1916 0.8	
2 MO ●	0226 1.3 1136 0.2		**17** TU ○	0249 1.2 1018 0.4 1702 0.8 2018 0.7	
3 TU	0302 1.3 1156 0.3		**18** WE	0316 1.2 1024 0.4 1655 0.9 2103 0.7	
4 WE	0332 1.2 1155 0.4 1843 0.8 2105 0.8		**19** TH	0340 1.2 1026 0.4 1658 0.9 2145 0.7	
5 TH	0357 1.1 1130 0.5 1823 0.9 2206 0.8		**20** FR	0401 1.1 1033 0.4 1702 1.0 2228 0.7	
6 FR	0413 1.0 1111 0.5 1817 1.0 2303 0.8		**21** SA	0421 1.0 1044 0.5 1712 1.1 2310 0.7	
7 SA	0352 0.9 1049 0.5 1821 1.0		**22** SU	0437 0.9 1049 0.5 1727 1.1 2355 0.7	
8 SU	0002 0.8 0335 0.9 1033 0.5 1824 1.1		**23** MO	0437 0.8 1049 0.5 1744 1.2	
9 MO ◑	0112 0.8 0329 0.8 1023 0.4 1826 1.1		**24** TU	0053 0.7 0415 0.8 1038 0.5 1800 1.2	
10 TU	1016 0.4 1840 1.1		**25** WE ◐	1003 0.5 1816 1.2	
11 WE	1009 0.4 1911 1.1		**26** TH	0921 0.4 1837 1.1	
12 TH	1010 0.4 2024 1.0 2150 1.0		**27** FR	0924 0.3 1907 1.1	
13 FR	0005 1.1 1022 0.4		**28** SA	0943 0.3	
14 SU	0110 1.1 1034 0.4		**29** SU	0054 1.1 1006 0.3	
15 SU	0147 1.1 1029 0.4		**30** MO	0145 1.2 1028 0.3 1808 0.9 1953 0.9	
			31 TU	0226 1.2 1043 0.3 1720 0.9 2045 0.8	

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I

55990

PAPUA NEW GUINEA - DREGERHAFEN (DREGER HARBOUR)

LAT 6° 39´ S LONG 147° 53´ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

SEPTEMBER

	Time	m		Time	m
1 WE ●	0300	1.1	**16** TH ○	0305	1.1
	1045	0.4		0918	0.5
	1710	0.9		1557	1.0
	2126	0.8		2136	0.6
2 TH	0328	1.1	**17** FR	0331	1.0
	1027	0.5		0926	0.5
	1702	1.0		1601	1.1
	2205	0.7		2209	0.6
3 FR	0350	1.0	**18** SA	0356	1.0
	1008	0.6		0937	0.5
	1700	1.1		1611	1.2
	2244	0.7		2243	0.5
4 SA	0407	0.9	**19** SU	0419	0.9
	0952	0.6		0945	0.5
	1704	1.1		1624	1.2
	2323	0.6		2317	0.5
5 SU	0407	0.8	**20** MO	0440	0.8
	0937	0.5		0947	0.5
	1712	1.2		1641	1.3
				2355	0.5
6 MO	0003	0.6	**21** TU	0450	0.7
	0339	0.7		0945	0.5
	0930	0.5		1658	1.3
	1718	1.2			
7 TU	0046	0.6	**22** WE	0041	0.6
	0336	0.7		0418	0.6
	0932	0.5		0926	0.5
	1727	1.2		1714	1.3
8 WE ◑	0146	0.7	**23** TH ◐	0837	0.5
	0250	0.7		1729	1.2
	0934	0.4			
	1743	1.2			
9 TH	0931	0.4	**24** FR	0827	0.4
	1801	1.1		1745	1.2
10 FR	0935	0.4	**25** SA	0839	0.4
	1817	1.0		1757	1.1
11 SA	0944	0.4	**26** SU	0857	0.4
	1824	1.0		1736	1.0
	2120	1.0		2148	1.0
12 SU	0059	1.0	**27** MO	0045	1.0
	0945	0.4		0914	0.4
	1800	0.9		1649	1.0
	2003	0.9		2105	0.9
13 MO	0135	1.1	**28** TU	0141	1.0
	0920	0.5		0924	0.5
	1645	0.9		1607	1.0
	2013	0.8		2115	0.8
14 TU	0206	1.1	**29** WE	0226	1.0
	0916	0.5		0926	0.5
	1612	0.9		1554	1.0
	2036	0.8		2138	0.7
15 WE	0236	1.1	**30** TH ●	0305	1.0
	0916	0.5		0913	0.6
	1555	1.0		1553	1.1
	2105	0.7		2204	0.6

OCTOBER

	Time	m		Time	m
1 FR	0339	0.9	**16** SA	0336	0.9
	0856	0.6		0821	0.6
	1556	1.2		1512	1.3
	2230	0.6		2222	0.5
2 SA	0403	0.8	**17** SU	0410	0.8
	0839	0.6		0831	0.6
	1601	1.2		1528	1.3
	2256	0.5		2251	0.4
3 SU	0420	0.7	**18** MO	0442	0.7
	0824	0.6		0836	0.6
	1613	1.3		1547	1.3
	2324	0.5		2323	0.4
4 MO	0427	0.7	**19** TU	0512	0.7
	0819	0.6		0836	0.6
	1623	1.3		1607	1.4
	2353	0.5			
5 TU	0402	0.6	**20** WE	0001	0.4
	0830	0.5		0539	0.6
	1633	1.3		0817	0.6
				1626	1.3
6 WE	0023	0.5	**21** TH	0051	0.5
	0352	0.6		0552	0.5
	0843	0.5		0642	0.5
	1649	1.2		1641	1.3
7 TH ◑	0100	0.6	**22** FR	0644	0.5
	0339	0.6		1654	1.2
	0849	0.5			
	1707	1.2			
8 FR	0845	0.5	**23** SA ◐	0707	0.5
	1719	1.1		1703	1.2
9 SA	0846	0.5	**24** SU	0731	0.5
	1719	1.1		1650	1.1
10 SU	0839	0.5	**25** MO	0750	0.5
	1705	1.0		1608	1.0
	2200	0.9		2218	0.8
11 MO	0014	0.9	**26** TU	0025	0.8
	0808	0.6		0800	0.6
	1618	1.0		1507	1.0
	2116	0.9		2211	0.7
12 TU	0107	0.9	**27** WE	0152	0.8
	0759	0.6		0751	0.7
	1530	1.0		1440	1.1
	2102	0.8		2215	0.6
13 WE	0147	0.9	**28** TH	0301	0.8
	0752	0.6		0733	0.7
	1459	1.0		1443	1.2
	2117	0.7		2222	0.5
14 TH	0225	0.9	**29** FR ●	0412	0.8
	0756	0.6		0707	0.7
	1455	1.1		1452	1.2
	2138	0.6		2239	0.5
15 FR ○	0300	0.9	**30** SA	0526	0.7
	0808	0.6		0624	0.7
	1501	1.2		1502	1.3
	2159	0.5		2256	0.4
			31 SU	1516	1.3
				2310	0.4

NOVEMBER

	Time	m		Time	m
1 MO	1534	1.3	**16** TU	1525	1.4
	2327	0.4		2356	0.3
2 TU	1550	1.3	**17** WE	1549	1.4
	2346	0.4			
3 WE	0535	0.6	**18** TH	0036	0.4
	0722	0.6		1609	1.3
	1607	1.3			
4 TH	0009	0.5	**19** FR	0125	0.4
	0458	0.6		1619	1.3
	0746	0.6			
	1627	1.2			
5 FR	0038	0.5	**20** SA	0230	0.5
	0457	0.6		1626	1.2
	0745	0.6			
	1645	1.2			
6 SA ◑	0121	0.6	**21** SU ◐	0530	0.5
	0520	0.6		1629	1.1
	0734	0.6			
	1651	1.1			
7 SU	0226	0.6	**22** MO	0604	0.6
	1640	1.1		1553	1.1
8 MO	0441	0.6	**23** TU	0123	0.7
	1608	1.0		1429	1.0
				2349	0.6
9 TU	0515	0.6	**24** WE	1326	1.1
	1453	1.0		2240	0.6
	2203	0.8			
10 WE	0030	0.8	**25** TH	1332	1.2
	0541	0.7		2249	0.5
	1404	1.1			
	2143	0.7			
11 TH	0142	0.8	**26** FR	1348	1.2
	0603	0.7		2303	0.4
	1352	1.1			
	2145	0.6			
12 FR	0238	0.8	**27** SA	1407	1.3
	0623	0.7		2312	0.3
	1400	1.2			
	2203	0.5			
13 SA	0331	0.7	**28** SU ●	1429	1.3
	0639	0.7		2317	0.3
	1413	1.3			
	2227	0.4			
14 SU ○	0426	0.7	**29** MO	1453	1.3
	0648	0.7		2327	0.3
	1433	1.3			
	2252	0.3			
15 MO	0530	0.7	**30** TU	1518	1.3
	0644	0.7		2340	0.4
	1459	1.4			
	2321	0.3			

DECEMBER

	Time	m		Time	m
1 WE	1542	1.3	**16** TH	0030	0.3
	2353	0.4		1553	1.3
2 TH	1602	1.3	**17** FR	0053	0.3
				1615	1.3
3 FR	0003	0.4	**18** SA	0101	0.4
	1622	1.2		1615	1.2
4 SA	0021	0.4	**19** SU	0055	0.5
	1635	1.2		1608	1.1
5 SU	0048	0.5	**20** MO ◐	0042	0.5
	1634	1.1		1607	1.0
6 MO ◑	0120	0.5	**21** TU	0010	0.5
	1618	1.0		1508	1.0
				2348	0.5
7 TU	0148	0.5	**22** WE	1144	1.0
	1505	1.0		2316	0.5
8 WE	0153	0.6	**23** TH	1207	1.1
	1315	1.0		2250	0.4
	2357	0.6			
9 TH	1245	1.1	**24** FR	1241	1.1
	2208	0.5		2255	0.3
10 FR	1254	1.2	**25** SA	1317	1.2
	2207	0.4		2311	0.3
11 SA	1314	1.2	**26** SU	1351	1.2
	2225	0.3		2324	0.3
12 SU	1342	1.3	**27** MO	1425	1.2
	2252	0.3		2325	0.3
13 MO	1415	1.3	**28** TU ●	1457	1.3
	2324	0.2		2324	0.3
14 TU ○	1451	1.3	**29** WE	1527	1.3
	2358	0.2		2333	0.3
15 WE	1524	1.3	**30** TH	1552	1.3
				2344	0.4
			31 FR	1612	1.2
				2346	0.4

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I

55990

PAPUA NEW GUINEA - MADANG (NAGADA HARBOUR)

LAT 5° 13´ S LONG 145° 48´ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

JANUARY

	Time	m		Time	m
1 FR	0445 0.9 0637 0.9 1359 1.2 2216 0.4		**16** SA ◑	1259 1.1 2115 0.5	
2 SA	1403 1.2 2245 0.3		**17** SU	1315 1.1 2136 0.3	
3 SU	1408 1.2 2312 0.3		**18** MO	1340 1.2 2207 0.2	
4 MO	1408 1.2 2339 0.3		**19** TU	1411 1.3 2244 0.1	
5 TU	1410 1.2		**20** WE	1447 1.3 2323 0.1	
6 WE	0007 0.3 1426 1.2		**21** TH	1526 1.3	
7 TH	0035 0.3 1450 1.2		**22** FR ○	0004 0.1 1604 1.3	
8 FR ●	0101 0.3 1517 1.2		**23** SA	0046 0.1 1641 1.3	
9 SA	0126 0.4 1543 1.2		**24** SU	0129 0.2 1707 1.2	
10 SU	0145 0.4 1603 1.2		**25** MO	0209 0.4 1231 1.0	
11 MO	0200 0.5 1608 1.1		**26** TU	0246 0.5 1213 1.0	
12 TU	0210 0.5 1522 1.1		**27** WE	0317 0.7 1224 1.0 2018 0.7	
13 WE	0210 0.6 1326 1.0		**28** TH	1238 1.1 2042 0.5	
14 TH	0151 0.6 1257 1.1		**29** FR ◐	1249 1.1 2112 0.4	
15 FR	0012 0.7 1253 1.1 2117 0.6		**30** SA	0529 1.0 0743 1.0 1305 1.1 2141 0.4	
			31 SU	0555 1.0 0813 1.0 1326 1.1 2210 0.3	

FEBRUARY

	Time	m		Time	m
1 MO	0631 1.0 0821 1.0 1346 1.1 2238 0.3		**16** TU	0611 1.0 0751 1.0 1323 1.2 2139 0.2	
2 TU	0733 1.0 0807 1.0 1406 1.1 2306 0.3		**17** WE	0623 1.0 0818 1.0 1408 1.2 2217 0.2	
3 WE	1423 1.1 2333 0.3		**18** TH	0654 1.0 0853 1.0 1452 1.3 2256 0.2	
4 TH	1443 1.2		**19** FR	0730 1.0 0932 1.0 1534 1.3 2334 0.2	
5 FR	0000 0.3 1505 1.2		**20** SA	0804 1.0 1021 1.0 1616 1.2	
6 SA	0021 0.4 1530 1.2		**21** SU ○	0011 0.3 0828 1.0 1120 0.9 1700 1.1	
7 SU	0038 0.4 1555 1.2		**22** MO	0045 0.5 0845 1.0 1236 0.9 1752 1.0	
8 MO	0048 0.5 1617 1.1		**23** TU	0112 0.6 0902 1.0 1504 0.9 1936 0.9	
9 TU	0052 0.6 1631 1.0		**24** WE	0122 0.8 0917 1.0 1817 0.7	
10 WE	0049 0.6 1051 0.9 1319 0.9 1554 0.9		**25** TH	0932 1.0 1906 0.6	
11 TH	0025 0.7 1045 1.0 2305 0.7		**26** FR	0506 1.0 0800 1.0 0952 1.0 1945 0.5	
12 FR	1054 1.0 2008 0.6		**27** SA	0442 1.1 0922 1.0 1032 1.0 2021 0.4	
13 SA	1115 1.0 2007 0.5		**28** SU ◐	0445 1.1 0950 1.0 1141 1.0 2053 0.4	
14 SU ◑	0700 1.0 0737 1.0 1151 1.1 2031 0.4				
15 MO	0644 1.0 0749 1.0 1236 1.1 2103 0.3				

MARCH

	Time	m		Time	m
1 MO	0500 1.1 0945 1.0 1241 1.0 2124 0.4		**16** TU ◑	0448 1.1 0906 1.1 1200 1.1 2026 0.3	
2 TU	0521 1.1 0926 1.0 1325 1.0 2154 0.4		**17** WE	0454 1.1 0906 1.1 1311 1.2 2105 0.3	
3 WE	0546 1.0 0916 1.0 1357 1.1 2222 0.4		**18** TH	0509 1.1 0919 1.0 1408 1.2 2144 0.3	
4 TH	0615 1.0 0915 1.0 1422 1.1 2247 0.4		**19** FR	0529 1.1 0947 1.0 1459 1.2 2219 0.4	
5 FR	0641 1.0 0919 1.0 1445 1.1 2309 0.5		**20** SA	0546 1.1 1027 0.9 1549 1.2 2253 0.5	
6 SA	0657 1.0 0933 0.9 1510 1.1 2326 0.5		**21** SU	0602 1.1 1115 0.9 1645 1.1 2323 0.6	
7 SU	0702 0.9 1006 0.9 1539 1.1 2336 0.6		**22** MO ○	0615 1.1 1211 0.8 1756 1.0 2345 0.7	
8 MO ●	0707 0.9 1053 0.9 1611 1.1 2340 0.7		**23** TU	0618 1.1 1317 0.7 1954 0.9 2348 0.9	
9 TU	0707 1.0 1148 0.8 1647 1.0 2334 0.7		**24** WE	0605 1.1 1450 0.7	
10 WE	0654 1.0 1253 0.8 1738 0.9 2300 0.8		**25** TH	0456 1.1 1644 0.6	
11 TH	0604 1.0 1429 0.7		**26** FR	0415 1.1 1752 0.5	
12 FR	0516 1.0 1719 0.7		**27** SA	0359 1.2 1843 0.5	
13 SA	0500 1.1 1822 0.5		**28** SU	0355 1.2 1924 0.5	
14 SU	0455 1.1 1906 0.4		**29** MO	0400 1.2 2000 0.4	
15 MO	0453 1.1 1946 0.4		**30** TU ◐	0411 1.2 2032 0.5	
			31 WE	0425 1.1 1006 1.0 1232 1.0 2101 0.5	

APRIL

	Time	m		Time	m
1 TH	0439 1.1 0940 1.0 1331 1.0 2127 0.5		**16** FR	0411 1.2 0947 1.0 1418 1.1 2103 0.5	
2 FR	0451 1.1 0945 1.0 1411 1.0 2147 0.6		**17** SA	0424 1.2 1023 0.9 1526 1.1 2135 0.6	
3 SA	0501 1.1 1001 0.9 1447 1.0 2203 0.6		**18** SU	0435 1.2 1104 0.8 1637 1.0 2202 0.8	
4 SU	0509 1.1 1028 0.9 1527 1.0 2214 0.7		**19** MO	0441 1.2 1149 0.7 1803 1.0 2219 0.9	
5 MO	0511 1.1 1101 0.8 1614 1.0 2215 0.8		**20** TU	0437 1.2 1237 0.6 2036 1.0 2150 1.0	
6 TU	0505 1.1 1141 0.7 1717 0.9 2204 0.9		**21** WE ○	0416 1.2 1328 0.6	
7 WE ●	0452 1.1 1226 0.7		**22** TH	0343 1.2 1425 0.5	
8 TH	0429 1.1 1320 0.6		**23** FR	0323 1.3 1531 0.5	
9 FR	0410 1.2 1428 0.6		**24** SA	0315 1.3 1640 0.5	
10 SA	0400 1.2 1556 0.5		**25** SU	0316 1.3 1739 0.5	
11 SU	0354 1.3 1715 0.4		**26** MO	0320 1.3 1827 0.5	
12 MO	0352 1.3 1815 0.4		**27** TU	0323 1.2 1905 0.5	
13 TU	0349 1.3 1905 0.4		**28** WE	0329 1.2 1937 0.6	
14 WE ◑	0350 1.2 0916 1.1 1129 1.1 1948 0.4		**29** TH ◐	0334 1.2 2002 0.6	
15 TH	0359 1.2 0922 1.0 1304 1.1 2028 0.4		**30** FR	0341 1.2 1023 1.0 1242 1.0 2022 0.7	

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I

56030

PAPUA NEW GUINEA - MADANG (NAGADA HARBOUR)

LAT 5° 13´ S LONG 145° 48´ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

MAY

	Time	m		Time	m
1 SA	0346	1.2	**16** SU	0326	1.3
	1008	0.9		1046	0.7
	1412	1.0		1637	1.0
	2037	0.7		2046	0.9
2 SU	0350	1.2	**17** MO	0330	1.3
	1022	0.8		1125	0.6
	1519	1.0		1816	1.0
	2045	0.8		2058	1.0
3 MO	0351	1.2	**18** TU	0329	1.3
	1046	0.8		1202	0.5
	1632	0.9			
	2043	0.9			
4 TU	0347	1.2	**19** WE	0312	1.3
	1115	0.7		1239	0.5
	1826	0.9			
	2008	0.9			
5 WE	0341	1.2	**20** TH ○	0245	1.3
	1151	0.6		1317	0.4
6 TH ●	0330	1.3	**21** FR	0234	1.3
	1231	0.5		1359	0.4
7 FR	0320	1.3	**22** SA	0236	1.3
	1320	0.4		1445	0.5
8 SA	0317	1.3	**23** SU	0245	1.3
	1417	0.4		1537	0.5
9 SU	0314	1.3	**24** MO	0257	1.3
	1524	0.4		1632	0.5
10 MO	0307	1.3	**25** TU	0302	1.3
	1633	0.4		1724	0.6
11 TU	0259	1.3	**26** WE	0259	1.3
	1735	0.4		1803	0.6
12 WE	0255	1.3	**27** TH	0251	1.2
	1827	0.5		1833	0.6
13 TH ◑	0258	1.3	**28** FR ◐	0245	1.2
	0921	1.0		1856	0.7
	1115	1.0			
	1912	0.5			
14 FR	0306	1.3	**29** SA	0244	1.2
	0935	0.9		1912	0.8
	1328	1.0			
	1949	0.6			
15 SA	0316	1.3	**30** SU	0244	1.2
	1009	0.8		1015	0.8
	1508	1.0		1533	0.9
	2021	0.7		1919	0.8
			31 MO	0244	1.2
				1019	0.7
				1709	0.9
				1907	0.9

JUNE

	Time	m		Time	m
1 TU	0243	1.2	**16** WE	0232	1.3
	1039	0.6		1151	0.4
2 WE	0243	1.3	**17** TH	0214	1.3
	1108	0.5		1224	0.4
3 TH	0244	1.3	**18** FR	0200	1.3
	1143	0.4		1258	0.4
4 FR	0247	1.3	**19** SA ○	0211	1.3
	1223	0.3		1331	0.4
5 SA ●	0259	1.4	**20** SU	0230	1.3
	1309	0.3		1407	0.4
6 SU	0311	1.4	**21** MO	0250	1.3
	1400	0.3		1441	0.5
7 MO	0307	1.3	**22** TU	0305	1.3
	1457	0.3		1515	0.5
8 TU	0231	1.3	**23** WE	0304	1.2
	1557	0.4		1548	0.6
9 WE	0202	1.3	**24** TH	0242	1.2
	1656	0.5		1620	0.7
10 TH	0159	1.3	**25** FR	0210	1.2
	1751	0.6		1649	0.7
11 FR ◑	0205	1.3	**26** SA	0149	1.2
	0907	0.9		1353	0.8
	1209	0.9			
	1838	0.7			
12 SA	0215	1.3	**27** SU ◐	0144	1.2
	0933	0.8		1020	0.8
	1450	0.9			
	1915	0.8			
13 SU	0225	1.3	**28** MO	0142	1.2
	1008	0.6		0942	0.7
	1634	1.0			
	1945	0.9			
14 MO	0231	1.3	**29** TU	0144	1.2
	1044	0.5		0952	0.6
	1809	1.0			
	2002	1.0			
15 TU	0236	1.3	**30** WE	0149	1.2
	1117	0.4		1015	0.4

JULY

	Time	m		Time	m
1 TH	0201	1.3	**16** FR	0202	1.2
	1047	0.3		1158	0.3
2 FR	0221	1.3	**17** SA	0206	1.2
	1124	0.3		1230	0.4
3 SA	0248	1.4	**18** SU	0226	1.2
	1205	0.2		1259	0.4
4 SU ●	0322	1.4	**19** MO ○	0249	1.2
	1250	0.2		1324	0.5
5 MO	0358	1.3	**20** TU	0311	1.2
	1336	0.3		1343	0.5
6 TU	0422	1.3	**21** WE	0325	1.2
	1425	0.3		1351	0.6
7 WE	0140	1.2	**22** TH	0312	1.1
	1516	0.5		1345	0.7
8 TH	0051	1.2	**23** FR	0215	1.1
	1611	0.6		1321	0.7
9 FR	0056	1.2	**24** SA	0053	1.1
	0809	0.9		1216	0.8
	1027	0.9			
	1711	0.7			
10 SA	0108	1.2	**25** SU	0035	1.1
	0833	0.7		1012	0.8
	1431	0.9			
	1815	0.9			
11 SU ◑	0121	1.2	**26** MO	0033	1.1
	0909	0.6		0848	0.7
	1620	1.0			
	1913	1.0			
12 MO	0133	1.2	**27** TU ◐	0038	1.1
	0945	0.5		0852	0.5
	1726	1.1			
	1956	1.0			
13 TU	0145	1.2	**28** WE	0051	1.2
	1019	0.4		0914	0.4
	1826	1.1			
	2022	1.1			
14 WE	0158	1.2	**29** TH	0114	1.2
	1053	0.3		0944	0.3
	1948	1.1			
	2019	1.1			
15 TH	0205	1.2	**30** FR	0144	1.3
	1125	0.3		1019	0.3
			31 SA	0219	1.3
				1059	0.2

AUGUST

	Time	m		Time	m
1 SU	0259	1.3	**16** MO	0237	1.2
	1140	0.2		1212	0.5
2 MO ●	0338	1.3	**17** TU ○	0257	1.2
	1221	0.3		1227	0.6
3 TU	0419	1.3	**18** WE	0318	1.1
	1302	0.3		1231	0.6
4 WE	0501	1.2	**19** TH	0335	1.1
	1344	0.5		1223	0.7
	2302	1.1			
5 TH	1423	0.6	**20** FR	0331	1.0
	2314	1.1		1159	0.8
				2224	1.0
6 FR	0631	0.9	**21** SA	1046	0.8
	0923	0.9		2221	1.0
	1501	0.8			
	2332	1.1			
7 SA	0712	0.7	**22** SU	0820	0.8
	1451	0.9		1721	1.0
	1600	0.9		1955	1.0
	2354	1.1		2227	1.0
8 SU	0752	0.6	**23** MO	0729	0.7
	1603	1.0		1715	1.1
	1929	1.0		2042	1.0
				2245	1.0
9 MO ◑	0016	1.1	**24** TU	0738	0.6
	0830	0.5		1722	1.1
	1635	1.1		2056	1.1
	2029	1.0		2320	1.1
10 TU	0042	1.1	**25** WE ◐	0802	0.5
	0907	0.4		1730	1.1
	1707	1.1		2057	1.1
	2106	1.1			
11 WE	0109	1.1	**26** TH	0005	1.1
	0943	0.3		0833	0.4
	1742	1.1		1733	1.1
	2121	1.1		2051	1.1
12 TH	0136	1.1	**27** FR	0051	1.2
	1016	0.3		0908	0.3
	1821	1.1		1746	1.1
	2122	1.1		2041	1.1
13 FR	0157	1.1	**28** SA	0137	1.2
	1048	0.4		0946	0.3
	1915	1.1		1811	1.1
	2115	1.1		2055	1.1
14 SA	0210	1.2	**29** SU	0221	1.3
	1120	0.4		1025	0.3
				1840	1.1
				2129	1.1
15 SU	0220	1.2	**30** MO	0305	1.3
	1148	0.4		1103	0.3
				1907	1.1
				2216	1.0
			31 TU	0351	1.2
				1142	0.4
				1929	1.1
				2320	1.0

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I

56030

PAPUA NEW GUINEA - MADANG (NAGADA HARBOUR)

LAT 5° 13´ S LONG 145° 48´ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

SEPTEMBER

	Time	m		Time	m
1 WE ●	0445	1.1	**16** TH ○	0341	1.0
	1216	0.6		1057	0.8
	1949	1.0		1812	1.0
				2352	0.9
2 TH	0049	0.9	**17** FR	0418	0.9
	0609	1.0		1020	0.8
	1248	0.7		1717	1.0
	2011	1.0			
3 FR	0326	0.8	**18** SA	0103	0.8
	0848	0.9		0530	0.9
	1306	0.9		0755	0.8
	2032	1.1		1629	1.1
4 SA	0521	0.7	**19** SU	0323	0.7
	2054	1.1		1615	1.1
5 SU	0617	0.6	**20** MO	0514	0.7
	1559	1.1		1612	1.2
	2010	1.1			
	2121	1.1			
6 MO	0704	0.5	**21** TU	0559	0.6
	1550	1.2		1616	1.2
	2109	1.0			
	2220	1.0			
7 TU	0745	0.4	**22** WE	0637	0.5
	1606	1.2		1623	1.2
	2132	1.0			
	2331	1.0			
8 WE ◑	0823	0.4	**23** TH ◐	0715	0.4
	1627	1.2		1626	1.2
	2144	1.0		2123	1.1
				2316	1.1
9 TH	0030	1.1	**24** FR	0752	0.4
	0858	0.4		1629	1.2
	1650	1.2		2108	1.1
	2140	1.0			
10 FR	0114	1.1	**25** SA	0034	1.1
	0930	0.4		0830	0.3
	1715	1.1		1638	1.2
	2133	1.0		2114	1.0
11 SA	0145	1.1	**26** SU	0133	1.2
	1001	0.4		0907	0.4
	1742	1.1		1653	1.2
	2135	1.0		2135	1.0
12 SU	0208	1.1	**27** MO	0228	1.2
	1029	0.5		0944	0.4
	1804	1.0		1708	1.1
	2141	1.0		2212	0.9
13 MO	0226	1.1	**28** TU	0323	1.1
	1050	0.6		1018	0.5
	1818	1.0		1721	1.1
	2154	1.0		2300	0.9
14 TU	0246	1.1	**29** WE	0428	1.1
	1103	0.6		1050	0.7
	1825	1.0		1732	1.1
	2218	0.9		2359	0.8
15 WE	0311	1.1	**30** TH ●	0559	1.0
	1107	0.7		1115	0.8
	1827	1.0		1736	1.1
	2259	0.9			

OCTOBER

	Time	m		Time	m
1 FR	0110	0.7	**16** SA	0017	0.6
	0834	1.0		1533	1.2
	1119	0.9			
	1722	1.1			
2 SA	0241	0.6	**17** SU	0108	0.6
	1622	1.2		1525	1.2
3 SU	0412	0.5	**18** MO	0213	0.5
	1535	1.2		1524	1.3
4 MO	0518	0.5	**19** TU	0332	0.5
	1515	1.2		1528	1.3
5 TU	0611	0.4	**20** WE	0445	0.4
	1518	1.2		1533	1.3
6 WE	0655	0.4	**21** TH	0542	0.4
	1530	1.2		1535	1.3
7 TH ◑	0734	0.4	**22** FR	0629	0.4
	1544	1.2		1531	1.2
8 FR	0808	0.5	**23** SA ◐	0711	0.4
	1600	1.2		1533	1.2
	2211	1.0		2115	1.0
9 SA	0032	1.0	**24** SU	0022	1.1
	0838	0.5		0748	0.4
	1614	1.2		1539	1.2
	2146	1.0		2132	0.9
10 SU	0126	1.0	**25** MO	0144	1.0
	0902	0.6		0823	0.5
	1626	1.1		1548	1.2
	2150	0.9		2203	0.8
11 MO	0204	1.0	**26** TU	0258	1.0
	0921	0.6		0855	0.6
	1633	1.1		1557	1.2
	2206	0.9		2243	0.7
12 TU	0241	1.0	**27** WE	0417	1.0
	0932	0.7		0923	0.8
	1638	1.1		1603	1.2
	2230	0.8		2327	0.6
13 WE	0321	1.0	**28** TH	0557	1.0
	0933	0.8		0941	0.9
	1635	1.1		1603	1.2
	2300	0.8			
14 TH	0415	0.9	**29** FR ●	0015	0.5
	0914	0.8		1552	1.2
	1621	1.1			
	2335	0.7			
15 FR ○	0612	0.9	**30** SA	0106	0.5
	0752	0.9		1528	1.2
	1558	1.1			
			31 SU	0204	0.4
				1506	1.3

NOVEMBER

	Time	m		Time	m
1 MO	0309	0.4	**16** TU	0146	0.3
	1454	1.3		1505	1.3
2 TU	0414	0.4	**17** WE	0246	0.3
	1452	1.3		1509	1.3
3 WE	0512	0.4	**18** TH	0351	0.3
	1457	1.3		1503	1.3
4 TH	0600	0.5	**19** FR	0451	0.4
	1501	1.2		1449	1.3
5 FR	0641	0.5	**20** SA	0544	0.4
	1507	1.2		1440	1.2
6 SA ◑	0712	0.5	**21** SU ◐	0628	0.5
	1514	1.2		1440	1.2
				2128	0.9
7 SU	0736	0.6	**22** MO	0039	0.9
	1518	1.2		0706	0.6
	2239	0.9		1445	1.2
				2149	0.7
8 MO	0059	0.9	**23** TU	0236	0.9
	0753	0.7		0738	0.7
	1521	1.2		1452	1.2
	2211	0.8		2221	0.6
9 TU	0228	0.9	**24** WE	0415	0.9
	0803	0.7		0804	0.8
	1524	1.2		1459	1.2
	2220	0.7		2257	0.5
10 WE	0341	0.9	**25** TH	0601	0.9
	0801	0.8		0815	0.9
	1523	1.2		1502	1.2
	2239	0.7		2334	0.4
11 TH	0512	0.9	**26** FR	1500	1.2
	0729	0.9			
	1517	1.2			
	2305	0.6			
12 FR	1508	1.2	**27** SA	0013	0.3
	2336	0.5		1449	1.3
13 SA	1456	1.2	**28** SU ●	0052	0.3
				1443	1.3
14 SU ○	0013	0.4	**29** MO	0134	0.3
	1451	1.3		1445	1.3
15 MO	0056	0.4	**30** TU	0219	0.3
	1457	1.3		1453	1.3

DECEMBER

	Time	m		Time	m
1 WE	0309	0.4	**16** TH	0215	0.2
	1501	1.3		1542	1.3
2 TH	0400	0.4	**17** FR	0308	0.3
	1505	1.2		1445	1.2
3 FR	0449	0.5	**18** SA	0402	0.4
	1456	1.2		1354	1.2
4 SA	0529	0.5	**19** SU	0455	0.5
	1442	1.2		1343	1.2
5 SU	0557	0.6	**20** MO ◐	0542	0.6
	1430	1.2		1346	1.2
				2120	0.7
6 MO ◑	0616	0.7	**21** TU	0216	0.8
	1425	1.2		0623	0.7
	2343	0.8		1354	1.2
				2146	0.5
7 TU	0224	0.8	**22** WE	0417	0.9
	0630	0.7		0656	0.8
	1424	1.2		1404	1.2
	2217	0.7		2218	0.4
8 WE	0424	0.8	**23** TH	0555	0.9
	0620	0.8		0715	0.9
	1424	1.2		1415	1.2
	2214	0.6		2251	0.3
9 TH	1425	1.2	**24** FR	1426	1.2
	2230	0.5		2325	0.3
10 FR	1426	1.2	**25** SA	1431	1.2
	2253	0.4		2359	0.2
11 SA	1430	1.2	**26** SU	1434	1.2
	2323	0.3			
12 SU	1439	1.3	**27** MO	0032	0.2
	2359	0.2		1445	1.2
13 MO	1457	1.3	**28** TU ●	0106	0.3
				1503	1.2
14 TU ○	0040	0.2	**29** WE	0140	0.3
	1521	1.3		1524	1.2
15 WE	0126	0.2	**30** TH	0209	0.4
	1544	1.3		1539	1.2
			31 FR	0233	0.4
				1544	1.2

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I

56030

PAPUA NEW GUINEA - WEWAK

LAT 3° 33´ S LONG 143° 38´ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

JANUARY

	Time	m		Time	m
1 FR	0311	1.1	**16** SA ◑	0200	1.0
	0733	0.9		0618	0.9
	1415	1.4		1308	1.4
	2156	0.6		2039	0.6
2 SA	0448	1.1	**17** SU	0354	1.0
	0824	1.0		0705	1.0
	1444	1.4		1338	1.4
	2241	0.5		2127	0.5
3 SU	0611	1.2	**18** MO	0522	1.1
	0919	1.1		0800	1.1
	1513	1.4		1415	1.4
	2321	0.4		2216	0.3
4 MO	0721	1.2	**19** TU	0633	1.2
	1018	1.2		0905	1.2
	1541	1.3		1459	1.4
				2307	0.2
5 TU	0000	0.4	**20** WE	0731	1.2
	0820	1.2		1016	1.2
	1117	1.2		1550	1.4
	1609	1.3		2358	0.2
6 WE	0037	0.3	**21** TH	0820	1.3
	0909	1.2		1128	1.2
	1213	1.2		1647	1.5
	1639	1.3			
7 TH	0114	0.3	**22** FR ○	0047	0.1
	0951	1.3		0901	1.3
	1301	1.2		1239	1.2
	1713	1.3		1748	1.4
8 FR ●	0150	0.3	**23** SA	0136	0.2
	1025	1.3		0937	1.3
	1347	1.2		1352	1.2
	1750	1.3		1851	1.4
9 SA	0225	0.4	**24** SU	0225	0.2
	1051	1.3		1010	1.3
	1437	1.2		1506	1.1
	1831	1.3		1956	1.4
10 SU	0258	0.4	**25** MO	0312	0.4
	1113	1.3		1042	1.4
	1533	1.2		1617	1.0
	1916	1.2		2103	1.3
11 MO	0330	0.5	**26** TU	0358	0.5
	1130	1.3		1113	1.4
	1631	1.1		1725	0.9
	2006	1.2		2220	1.2
12 TU	0401	0.5	**27** WE	0444	0.7
	1147	1.3		1143	1.4
	1727	1.1		1829	0.8
	2102	1.1		2350	1.1
13 WE	0432	0.6	**28** TH	0529	0.8
	1204	1.3		1214	1.4
	1818	1.0		1927	0.7
	2213	1.1			
14 TH	0505	0.7	**29** FR ◐	0133	1.1
	1223	1.3		0615	0.9
	1907	0.9		1245	1.4
	2354	1.0		2020	0.6
15 FR	0540	0.8	**30** SA	0317	1.1
	1243	1.3		0705	1.0
	1953	0.7		1316	1.3
				2110	0.5
			31 SU	0442	1.1
				0800	1.1
				1350	1.3
				2158	0.5

FEBRUARY

	Time	m		Time	m
1 MO	0550	1.2	**16** TU	0500	1.2
	0900	1.1		0805	1.1
	1426	1.3		1344	1.4
	2243	0.4		2144	0.3
2 TU	0647	1.2	**17** WE	0556	1.2
	0956	1.1		0915	1.2
	1504	1.3		1442	1.4
	2327	0.4		2240	0.3
3 WE	0738	1.2	**18** TH	0644	1.3
	1049	1.2		1024	1.2
	1544	1.3		1545	1.4
				2333	0.3
4 TH	0008	0.4	**19** FR	0726	1.3
	0821	1.2		1131	1.1
	1137	1.2		1650	1.4
	1626	1.3			
5 FR	0047	0.4	**20** SA	0025	0.3
	0855	1.2		0801	1.3
	1222	1.2		1238	1.1
	1710	1.3		1757	1.4
6 SA	0123	0.4	**21** SU ○	0113	0.4
	0921	1.2		0833	1.3
	1308	1.1		1343	1.0
	1757	1.3		1904	1.4
7 SU ●	0157	0.5	**22** MO	0200	0.5
	0940	1.2		0904	1.3
	1357	1.1		1446	0.9
	1845	1.2		2014	1.3
8 MO	0227	0.5	**23** TU	0245	0.6
	0957	1.2		0933	1.3
	1449	1.1		1548	0.8
	1938	1.2		2127	1.3
9 TU	0257	0.6	**24** WE	0330	0.8
	1013	1.3		1003	1.3
	1541	1.0		1647	0.7
	2035	1.2		2244	1.2
10 WE	0327	0.7	**25** TH	0416	0.9
	1030	1.3		1032	1.3
	1632	0.9		1743	0.6
	2139	1.1			
11 TH	0400	0.8	**26** FR	0008	1.2
	1047	1.3		0506	1.0
	1722	0.8		1102	1.3
	2257	1.1		1834	0.6
12 FR	0434	0.9	**27** SA	0140	1.2
	1110	1.3		0601	1.1
	1811	0.7		1134	1.3
				1925	0.5
13 SA	0032	1.1	**28** SU ◐	0301	1.2
	0515	1.0		0700	1.1
	1136	1.3		1212	1.3
	1900	0.6		2015	0.5
14 SU ◑	0223	1.1			
	0602	1.0			
	1210	1.3			
	1953	0.5			
15 MO	0354	1.1			
	0700	1.1			
	1252	1.4			
	2047	0.4			

MARCH

	Time	m		Time	m
1 MO	0404	1.2	**16** TU ◑	0328	1.3
	0759	1.1		0728	1.2
	1255	1.3		1220	1.4
	2104	0.5		2014	0.4
2 TU	0458	1.2	**17** WE	0417	1.3
	0856	1.1		0833	1.2
	1344	1.2		1329	1.4
	2154	0.5		2113	0.4
3 WE	0545	1.2	**18** TH	0502	1.3
	0951	1.1		0939	1.1
	1435	1.2		1441	1.4
	2242	0.5		2210	0.4
4 TH	0629	1.2	**19** FR	0543	1.3
	1042	1.1		1043	1.1
	1528	1.2		1553	1.4
	2327	0.5		2304	0.5
5 FR	0704	1.2	**20** SA	0620	1.3
	1129	1.1		1144	1.0
	1620	1.2		1705	1.4
				2356	0.6
6 SA	0007	0.6	**21** SU	0654	1.4
	0732	1.2		1241	0.9
	1212	1.1		1818	1.4
	1715	1.3			
7 SU	0045	0.6	**22** MO ○	0045	0.7
	0754	1.2		0725	1.4
	1252	1.0		1334	0.8
	1811	1.2		1930	1.3
8 MO ●	0117	0.7	**23** TU	0131	0.8
	0812	1.3		0754	1.4
	1334	1.0		1427	0.7
	1909	1.2		2043	1.3
9 TU	0149	0.7	**24** WE	0219	0.9
	0829	1.3		0822	1.4
	1416	0.9		1517	0.6
	2010	1.2		2154	1.3
10 WE	0222	0.8	**25** TH	0310	1.0
	0846	1.3		0848	1.4
	1501	0.8		1606	0.6
	2113	1.2		2306	1.3
11 TH	0258	0.9	**26** FR	0405	1.1
	0907	1.3		0915	1.3
	1548	0.7		1655	0.6
	2222	1.2			
12 FR	0338	1.0	**27** SA	0020	1.3
	0930	1.3		0506	1.2
	1637	0.6		0945	1.3
	2340	1.2		1743	0.5
13 SA	0426	1.1	**28** SU	0130	1.3
	1000	1.3		0608	1.2
	1728	0.6		1017	1.3
				1830	0.5
14 SU	0108	1.2	**29** MO	0227	1.3
	0521	1.1		0707	1.2
	1035	1.3		1100	1.3
	1821	0.5		1919	0.6
15 MO	0228	1.2	**30** TU ◐	0315	1.3
	0624	1.2		0804	1.2
	1122	1.3		1154	1.2
	1916	0.5		2008	0.6
			31 WE	0356	1.3
				0859	1.2
				1300	1.2
				2058	0.6

APRIL

	Time	m		Time	m
1 TH	0434	1.3	**16** FR	0409	1.4
	0950	1.1		0957	1.1
	1409	1.2		1457	1.3
	2145	0.7		2137	0.7
2 FR	0509	1.3	**17** SA	0445	1.4
	1037	1.1		1055	1.0
	1517	1.2		1616	1.3
	2230	0.7		2231	0.8
3 SA	0539	1.3	**18** SU	0519	1.4
	1119	1.0		1147	0.8
	1623	1.2		1735	1.3
	2313	0.8		2324	0.9
4 SU	0604	1.3	**19** MO	0551	1.4
	1157	1.0		1235	0.7
	1729	1.2		1852	1.3
	2352	0.8			
5 MO	0627	1.3	**20** TU	0015	1.0
	1233	0.9		0620	1.4
	1833	1.2		1320	0.6
				2004	1.3
6 TU	0030	0.9	**21** WE ○	0109	1.1
	0646	1.3		0647	1.4
	1310	0.8		1403	0.6
	1938	1.3		2113	1.4
7 WE ●	0108	1.0	**22** TH	0206	1.2
	0707	1.3		0714	1.4
	1347	0.7		1445	0.5
	2043	1.3		2219	1.4
8 TH	0150	1.1	**23** FR	0309	1.2
	0730	1.4		0739	1.4
	1430	0.6		1529	0.5
	2148	1.3		2322	1.4
9 FR	0238	1.1	**24** SA	0415	1.3
	0756	1.4		0805	1.3
	1515	0.5		1613	0.5
	2257	1.3			
10 SA	0336	1.2	**25** SU	0018	1.4
	0828	1.4		0518	1.3
	1604	0.5		0834	1.3
				1657	0.5
11 SU	0008	1.4	**26** MO	0107	1.4
	0443	1.2		0616	1.2
	0906	1.4		0908	1.3
	1658	0.4		1743	0.6
12 MO	0114	1.4	**27** TU	0148	1.4
	0548	1.2		0710	1.2
	0953	1.4		0950	1.2
	1753	0.4		1828	0.6
13 TU	0207	1.4	**28** WE	0225	1.4
	0651	1.2		0802	1.2
	1053	1.4		1049	1.2
	1849	0.5		1914	0.7
14 WE ◑	0251	1.4	**29** TH ◐	0257	1.4
	0753	1.2		0852	1.2
	1209	1.3		1213	1.2
	1945	0.5		1958	0.7
15 TH	0330	1.4	**30** FR	0327	1.4
	0856	1.1		0939	1.1
	1333	1.3		1348	1.2
	2042	0.6		2042	0.8

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I

56070

PAPUA NEW GUINEA - WEWAK

LAT 3° 33´ S LONG 143° 38´ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

MAY

	Time	m		Time	m
1 SA	0355	1.4	**16** SU	0351	1.5
	1020	1.0		1051	0.8
	1515	1.2		1650	1.3
	2125	0.8		2158	1.0
2 SU	0420	1.4	**17** MO	0423	1.5
	1057	0.9		1138	0.7
	1633	1.2		1812	1.3
	2209	0.9		2254	1.1
3 MO	0445	1.4	**18** TU	0453	1.5
	1131	0.8		1221	0.6
	1746	1.2		1928	1.3
	2254	1.0		2353	1.2
4 TU	0507	1.4	**19** WE	0521	1.4
	1206	0.7		1301	0.5
	1857	1.3		2036	1.4
	2340	1.1			
5 WE	0530	1.4	**20** TH ○	0058	1.3
	1243	0.6		0547	1.4
	2004	1.3		1340	0.5
				2138	1.4
6 TH ●	0030	1.2	**21** FR	0211	1.3
	0556	1.4		0613	1.4
	1321	0.5		1418	0.4
	2109	1.4		2233	1.4
7 FR	0125	1.2	**22** SA	0320	1.3
	0627	1.4		0640	1.4
	1404	0.4		1459	0.4
	2213	1.4		2321	1.4
8 SA	0230	1.3	**23** SU	0422	1.3
	0703	1.4		0710	1.3
	1451	0.4		1539	0.5
	2314	1.4			
9 SU	0343	1.3	**24** MO	0002	1.4
	0747	1.4		0517	1.3
	1544	0.4		0745	1.3
				1620	0.5
10 MO	0008	1.5	**25** TU	0038	1.4
	0451	1.3		0606	1.3
	0839	1.4		0825	1.3
	1638	0.4		1701	0.6
11 TU	0055	1.5	**26** WE	0109	1.4
	0555	1.3		0652	1.2
	0938	1.4		0913	1.2
	1733	0.4		1743	0.6
12 WE	0135	1.5	**27** TH	0135	1.4
	0657	1.2		0738	1.2
	1049	1.3		1015	1.2
	1827	0.5		1822	0.7
13 TH ◑	0211	1.5	**28** FR ◐	0200	1.4
	0800	1.1		0825	1.1
	1216	1.3		1145	1.1
	1920	0.6		1901	0.8
14 FR	0245	1.5	**29** SA	0224	1.4
	0901	1.0		0907	1.0
	1352	1.3		1341	1.1
	2013	0.7		1941	0.9
15 SA	0318	1.5	**30** SU	0246	1.4
	1000	0.9		0945	0.9
	1524	1.2		1522	1.1
	2104	0.9		2022	0.9
			31 MO	0309	1.4
				1022	0.8
				1646	1.2
				2107	1.0

JUNE

	Time	m		Time	m
1 TU	0331	1.4	**16** WE	0401	1.4
	1059	0.7		1200	0.5
	1803	1.2		1950	1.3
	2158	1.1		2338	1.3
2 WE	0357	1.5	**17** TH	0430	1.4
	1136	0.5		1240	0.4
	1915	1.3		2051	1.4
	2253	1.2			
3 TH	0426	1.5	**18** FR	0054	1.3
	1216	0.4		0459	1.4
	2022	1.4		1319	0.4
	2355	1.3		2143	1.4
4 FR	0501	1.5	**19** SA ○	0207	1.3
	1259	0.3		0529	1.4
	2123	1.4		1357	0.4
				2227	1.4
5 SA ●	0103	1.3	**20** SU	0308	1.3
	0545	1.5		0603	1.3
	1345	0.3		1435	0.4
	2215	1.4		2303	1.4
6 SU	0219	1.4	**21** MO	0359	1.3
	0636	1.5		0643	1.3
	1435	0.3		1514	0.5
	2302	1.5		2334	1.4
7 MO	0332	1.3	**22** TU	0443	1.3
	0733	1.5		0727	1.3
	1527	0.3		1550	0.5
	2344	1.5			
8 TU	0439	1.3	**23** WE	0000	1.4
	0834	1.4		0527	1.2
	1620	0.4		0815	1.3
				1626	0.6
9 WE	0021	1.5	**24** TH	0022	1.4
	0544	1.2		0611	1.2
	0941	1.4		0908	1.2
	1713	0.5		1701	0.7
10 TH	0056	1.5	**25** FR	0043	1.4
	0647	1.1		0655	1.1
	1100	1.3		1015	1.2
	1804	0.6		1736	0.8
11 FR ◑	0128	1.5	**26** SA	0102	1.4
	0750	1.0		0738	1.0
	1236	1.2		1150	1.1
	1855	0.7		1813	0.8
12 SA	0159	1.5	**27** SU ◐	0122	1.4
	0849	0.9		0819	0.9
	1418	1.2		1348	1.1
	1945	0.9		1850	0.9
13 SU	0230	1.5	**28** MO	0142	1.4
	0945	0.7		0900	0.8
	1555	1.2		1533	1.1
	2035	1.0		1931	1.0
14 MO	0301	1.5	**29** TU	0204	1.4
	1033	0.6		0940	0.7
	1722	1.3		1700	1.2
	2130	1.1		2019	1.1
15 TU	0331	1.5	**30** WE	0231	1.5
	1119	0.5		1022	0.5
	1840	1.3		1815	1.2
	2230	1.2		2115	1.2

JULY

	Time	m		Time	m
1 TH	0303	1.5	**16** FR	0356	1.4
	1106	0.4		1218	0.4
	1921	1.3		2033	1.3
	2217	1.3			
2 FR	0343	1.5	**17** SA	0032	1.3
	1152	0.3		0431	1.3
	2020	1.4		1258	0.4
	2326	1.3		2118	1.4
3 SA	0430	1.5	**18** SU	0131	1.3
	1240	0.3		0511	1.3
	2110	1.4		1337	0.5
				2156	1.4
4 SU ●	0039	1.3	**19** MO ○	0222	1.3
	0527	1.5		0555	1.3
	1329	0.2		1414	0.5
	2152	1.4		2224	1.4
5 MO	0156	1.3	**20** TU	0308	1.2
	0629	1.5		0643	1.3
	1418	0.3		1447	0.5
	2230	1.5		2246	1.4
6 TU	0310	1.3	**21** WE	0354	1.2
	0733	1.5		0732	1.3
	1509	0.3		1520	0.6
	2303	1.5		2305	1.4
7 WE	0418	1.2	**22** TH	0438	1.2
	0841	1.4		0826	1.2
	1600	0.4		1551	0.7
	2335	1.5		2322	1.4
8 TH	0524	1.1	**23** FR	0522	1.1
	0954	1.3		0926	1.2
	1650	0.6		1623	0.8
				2340	1.4
9 FR	0007	1.5	**24** SA	0605	1.0
	0628	1.0		1040	1.1
	1120	1.2		1658	0.9
	1740	0.7		2359	1.4
10 SA	0039	1.5	**25** SU	0646	0.9
	0728	0.8		1216	1.1
	1300	1.2		1734	1.0
	1830	0.9			
11 SU ◑	0110	1.5	**26** MO	0018	1.4
	0824	0.7		0729	0.8
	1444	1.2		1408	1.1
	1921	1.0		1815	1.0
12 MO	0142	1.5	**27** TU ◐	0042	1.4
	0916	0.6		0812	0.7
	1616	1.2		1548	1.2
	2015	1.1		1902	1.1
13 TU	0215	1.5	**28** WE	0110	1.4
	1006	0.5		0858	0.6
	1734	1.3		1702	1.2
	2115	1.2		1958	1.2
14 WE	0247	1.4	**29** TH	0145	1.4
	1052	0.5		0946	0.5
	1841	1.3		1804	1.3
	2218	1.2		2059	1.2
15 TH	0321	1.4	**30** FR	0229	1.5
	1136	0.4		1038	0.4
	1941	1.3		1900	1.3
	2325	1.3		2206	1.3
			31 SA	0320	1.5
				1129	0.3
				1947	1.4
				2315	1.3

AUGUST

	Time	m		Time	m
1 SU	0419	1.5	**16** MO	0051	1.2
	1219	0.3		0512	1.3
	2028	1.4		1310	0.6
				2053	1.3
2 MO ●	0026	1.3	**17** TU ○	0136	1.2
	0525	1.5		0602	1.3
	1309	0.3		1345	0.6
	2103	1.4		2115	1.3
3 TU	0137	1.2	**18** WE	0219	1.2
	0633	1.5		0657	1.3
	1358	0.4		1416	0.7
	2135	1.4		2133	1.3
4 WE	0248	1.1	**19** TH	0303	1.1
	0743	1.4		0753	1.3
	1446	0.5		1446	0.8
	2207	1.5		2149	1.3
5 TH	0355	1.0	**20** FR	0345	1.0
	0856	1.4		0853	1.2
	1535	0.6		1517	0.8
	2238	1.5		2206	1.3
6 FR	0459	0.9	**21** SA	0429	0.9
	1015	1.3		1000	1.2
	1625	0.8		1551	0.9
	2310	1.5		2225	1.4
7 SA	0559	0.8	**22** SU	0512	0.9
	1143	1.2		1116	1.2
	1716	0.9		1630	1.0
	2343	1.5		2246	1.4
8 SU	0655	0.7	**23** MO	0556	0.8
	1320	1.2		1249	1.2
	1812	1.0		1716	1.1
				2312	1.4
9 MO ◑	0016	1.5	**24** TU	0641	0.7
	0748	0.6		1430	1.2
	1457	1.2		1809	1.2
	1910	1.1		2344	1.4
10 TU	0053	1.4	**25** WE ◐	0729	0.6
	0839	0.5		1545	1.3
	1614	1.3		1907	1.2
	2011	1.2			
11 WE	0130	1.4	**26** TH	0024	1.4
	0930	0.5		0819	0.5
	1715	1.3		1640	1.3
	2112	1.2		2008	1.2
12 TH	0212	1.4	**27** FR	0115	1.4
	1018	0.5		0914	0.4
	1811	1.3		1728	1.3
	2212	1.2		2111	1.3
13 FR	0254	1.3	**28** SA	0213	1.5
	1106	0.5		1009	0.4
	1900	1.3		1811	1.4
	2310	1.2		2215	1.2
14 SA	0338	1.3	**29** SU	0316	1.5
	1150	0.5		1102	0.4
	1945	1.3		1850	1.4
				2319	1.2
15 SU	0003	1.2	**30** MO	0425	1.5
	0424	1.3		1155	0.4
	1231	0.5		1926	1.4
	2024	1.3			
			31 TU	0023	1.2
				0536	1.5
				1245	0.5
				1958	1.4

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I

56070

PAPUA NEW GUINEA - WEWAK

LAT 3° 33´ S LONG 143° 38´ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

SEPTEMBER

	Time	m		Time	m		Time	m		Time	m
1 WE ●	0126	1.1	**16** TH ○	0140	1.0	**1** FR	0205	0.7	**16** SA	0141	0.7
	0648	1.4		0723	1.3		0831	1.4		0853	1.3
	1332	0.6		1339	0.9		1357	1.0		1340	1.1
	2029	1.4		2006	1.3		1951	1.5		1904	1.4
2 TH	0228	1.0	**17** FR	0217	0.9	**2** SA	0257	0.6	**17** SU	0217	0.6
	0803	1.4		0824	1.3		0945	1.4		0956	1.3
	1420	0.7		1413	1.0		1453	1.1		1429	1.2
	2100	1.5		2024	1.3		2021	1.4		1928	1.4
3 FR	0328	0.8	**18** SA	0257	0.8	**3** SU	0347	0.6	**18** MO	0259	0.6
	0919	1.4		0927	1.3		1059	1.4		1101	1.4
	1511	0.9		1448	1.0		1557	1.2		1529	1.3
	2131	1.5		2043	1.4		2052	1.4		1956	1.4
4 SA	0425	0.7	**19** SU	0339	0.8	**4** MO	0437	0.5	**19** TU	0345	0.5
	1038	1.3		1034	1.3		1213	1.4		1208	1.4
	1604	1.0		1531	1.1		1708	1.2		1638	1.3
	2204	1.4		2105	1.4		2125	1.4		2031	1.4
5 SU	0520	0.6	**20** MO	0423	0.7	**5** TU	0528	0.5	**20** WE	0435	0.5
	1202	1.3		1150	1.3		1320	1.4		1307	1.4
	1704	1.1		1626	1.2		1819	1.3		1745	1.3
	2238	1.4		2132	1.4		2202	1.3		2115	1.4
6 MO	0614	0.6	**21** TU	0510	0.6	**6** WE	0616	0.5	**21** TH	0528	0.5
	1330	1.3		1314	1.3		1415	1.4		1356	1.4
	1810	1.2		1730	1.2		1927	1.2		1848	1.3
	2315	1.4		2206	1.4		2248	1.3		2213	1.4
7 TU	0704	0.6	**22** WE	0600	0.6	**7** TH ◑	0706	0.6	**22** FR	0621	0.5
	1445	1.3		1423	1.3		1501	1.4		1435	1.4
	1915	1.2		1832	1.3		2029	1.2		1948	1.2
	2358	1.4		2250	1.4		2348	1.3		2328	1.3
8 WE ◑	0755	0.6	**23** TH ◐	0652	0.5	**8** FR	0755	0.6	**23** SA ◐	0715	0.5
	1545	1.3		1515	1.4		1541	1.4		1510	1.5
	2017	1.2		1932	1.3		2122	1.2		2046	1.2
				2348	1.4						
9 TH	0046	1.3	**24** FR	0745	0.5	**9** SA	0101	1.2	**24** SU	0058	1.3
	0845	0.6		1557	1.4		0844	0.7		0809	0.6
	1634	1.3		2032	1.2		1617	1.4		1542	1.5
	2115	1.2					2209	1.1		2143	1.1
10 FR	0140	1.3	**25** SA	0058	1.4	**10** SU	0215	1.2	**25** MO	0228	1.3
	0936	0.6		0842	0.5		0930	0.7		0902	0.7
	1719	1.3		1636	1.4		1650	1.4		1615	1.5
	2211	1.2		2130	1.2		2251	1.1		2236	1.0
11 SA	0234	1.3	**26** SU	0213	1.4	**11** MO	0327	1.2	**26** TU	0353	1.3
	1025	0.6		0937	0.5		1016	0.8		0957	0.8
	1800	1.3		1712	1.4		1718	1.4		1647	1.5
	2300	1.2		2230	1.1		2329	1.0		2327	0.8
12 SU	0330	1.3	**27** MO	0329	1.4	**12** TU	0434	1.2	**27** WE	0515	1.3
	1111	0.6		1031	0.6		1100	0.8		1051	0.9
	1837	1.3		1746	1.4		1744	1.4		1718	1.5
	2345	1.2		2327	1.1						
13 MO	0426	1.3	**28** TU	0444	1.4	**13** WE	0002	1.0	**28** TH	0014	0.7
	1153	0.7		1125	0.7		0542	1.2		0635	1.3
	1906	1.3		1820	1.5		1141	0.9		1145	1.0
							1805	1.4		1749	1.5
14 TU	0026	1.1	**29** WE	0021	0.9	**14** TH	0034	0.9	**29** FR ●	0059	0.6
	0523	1.3		0600	1.4		0647	1.3		0750	1.4
	1231	0.7		1215	0.8		1219	1.0		1241	1.1
	1930	1.3		1851	1.5		1825	1.4		1818	1.5
15 WE	0104	1.1	**30** TH ●	0114	0.8	**15** FR ○	0106	0.8	**30** SA	0143	0.5
	0623	1.3		0716	1.4		0751	1.3		0900	1.4
	1306	0.8		1305	0.9		1259	1.1		1340	1.2
	1949	1.3		1921	1.5		1844	1.4		1847	1.4

OCTOBER

	Time	m		Time	m		Time	m		Time	m
1 MO	0312	0.4	**16** TU	0232	0.4	**1** WE	0325	0.4	**16** TH	0300	0.2
	1110	1.4		1109	1.4		1148	1.4		1125	1.4
	1559	1.3		1517	1.3		1648	1.3		1555	1.3
	1945	1.4		1913	1.4		1930	1.3		1957	1.4
2 TU	0357	0.4	**17** WE	0319	0.3	**2** TH	0406	0.4	**17** FR	0348	0.3
	1206	1.4		1158	1.4		1225	1.4		1158	1.4
	1711	1.3		1628	1.3		1754	1.2		1705	1.2
	2016	1.3		2000	1.4		2004	1.2		2100	1.3
3 WE	0444	0.5	**18** TH	0410	0.4	**3** FR	0445	0.5	**18** SA	0438	0.4
	1256	1.4		1240	1.4		1256	1.4		1229	1.4
	1825	1.3		1733	1.3		1858	1.2		1814	1.1
	2050	1.3		2056	1.4		2045	1.2		2213	1.2
4 TH	0530	0.5	**19** FR	0501	0.4	**4** SA	0524	0.6	**19** SU	0527	0.5
	1337	1.4		1316	1.4		1322	1.4		1259	1.4
	1933	1.2		1839	1.2		1952	1.1		1920	1.0
	2130	1.2		2202	1.3		2142	1.1		2345	1.1
5 FR	0615	0.6	**20** SA	0554	0.5	**5** SU	0602	0.7	**20** MO ◐	0615	0.6
	1414	1.4		1349	1.5		1345	1.4		1329	1.4
	2031	1.2		1943	1.1		2037	1.0		2022	0.8
	2229	1.2		2329	1.2		2316	1.1			
6 SA ◑	0659	0.6	**21** SU ◐	0645	0.6	**6** MO ◑	0639	0.7	**21** TU	0133	1.1
	1445	1.4		1419	1.5		1408	1.4		0702	0.8
	2117	1.1		2044	1.0		2114	0.9		1400	1.5
										2118	0.7
7 SU	0005	1.1	**22** MO	0112	1.2	**7** TU	0135	1.0	**22** WE	0321	1.1
	0742	0.7		0735	0.7		0716	0.8		0753	0.9
	1513	1.4		1450	1.5		1430	1.4		1431	1.5
	2155	1.1		2139	0.9		2148	0.8		2209	0.5
8 MO	0155	1.1	**23** TU	0253	1.2	**8** WE	0328	1.0	**23** TH	0456	1.1
	0825	0.8		0827	0.8		0756	0.9		0847	1.0
	1539	1.4		1522	1.5		1453	1.4		1505	1.4
	2230	1.0		2230	0.7		2221	0.7		2257	0.4
9 TU	0327	1.1	**24** WE	0426	1.2	**9** TH	0458	1.1	**24** FR	0617	1.2
	0908	0.9		0920	0.9		0839	1.0		0947	1.1
	1603	1.4		1553	1.5		1515	1.4		1539	1.4
	2301	0.9		2316	0.6		2255	0.6		2341	0.3
10 WE	0446	1.1	**25** TH	0551	1.2	**10** FR	0616	1.1	**25** SA	0730	1.2
	0952	1.0		1016	1.1		0929	1.1		1052	1.2
	1627	1.4		1625	1.5		1539	1.4		1614	1.4
	2332	0.8					2329	0.5			
11 TH	0600	1.2	**26** FR	0000	0.5	**11** SA	0727	1.2	**26** SU	0023	0.3
	1038	1.0		0710	1.3		1023	1.2		0831	1.3
	1648	1.4		1116	1.2		1607	1.4		1157	1.2
				1655	1.4					1647	1.4
12 FR	0002	0.7	**27** SA	0042	0.4	**12** SU	0006	0.4	**27** MO	0103	0.3
	0710	1.2		0820	1.3		0829	1.3		0923	1.3
	1125	1.1		1219	1.2		1122	1.2		1302	1.2
	1709	1.4		1725	1.4		1639	1.4		1722	1.3
13 SA	0035	0.6	**28** SU ●	0122	0.3	**13** MO	0045	0.3	**28** TU ●	0143	0.3
	0815	1.3		0923	1.4		0922	1.3		1007	1.3
	1214	1.2		1328	1.3		1223	1.3		1402	1.2
	1732	1.4		1755	1.4		1718	1.4		1758	1.3
14 SU ○	0110	0.5	**29** MO	0202	0.3	**14** TU ○	0128	0.2	**29** WE	0221	0.3
	0915	1.3		1017	1.4		1008	1.4		1045	1.3
	1306	1.3		1438	1.3		1329	1.3		1458	1.2
	1800	1.4		1825	1.4		1805	1.4		1836	1.3
15 MO	0149	0.4	**30** TU	0244	0.3	**15** WE	0213	0.2	**30** TH	0259	0.4
	1015	1.4		1106	1.4		1048	1.4		1115	1.3
	1407	1.3		1544	1.3		1443	1.3		1552	1.2
	1832	1.4		1857	1.3		1859	1.4		1915	1.2
31 SU	0227	0.4									
	1007	1.4									
	1447	1.3									
	1916	1.4									

NOVEMBER

	Time	m		Time	m		Time	m		Time	m
1 MO	0312	0.4	**16** TU	0232	0.4	**1** WE	0325	0.4	**16** TH	0300	0.2
	1110	1.4		1109	1.4		1148	1.4		1125	1.4
	1559	1.3		1517	1.3		1648	1.3		1555	1.3
	1945	1.4		1913	1.4		1930	1.3		1957	1.4
2 TU	0357	0.4	**17** WE	0319	0.3	**2** TH	0406	0.4	**17** FR	0348	0.3
	1206	1.4		1158	1.4		1225	1.4		1158	1.4
	1711	1.3		1628	1.3		1754	1.2		1705	1.2
	2016	1.3		2000	1.4		2004	1.2		2100	1.3
3 WE	0444	0.5	**18** TH	0410	0.4	**3** FR	0445	0.5	**18** SA	0438	0.4
	1256	1.4		1240	1.4		1256	1.4		1229	1.4
	1825	1.3		1733	1.3		1858	1.2		1814	1.1
	2050	1.3		2056	1.4		2045	1.2		2213	1.2
4 TH	0530	0.5	**19** FR	0501	0.4	**4** SA	0524	0.6	**19** SU	0527	0.5
	1337	1.4		1316	1.4		1322	1.4		1259	1.4
	1933	1.2		1839	1.2		1952	1.1		1920	1.0
	2130	1.2		2202	1.3		2142	1.1		2345	1.1
5 FR	0615	0.6	**20** SA	0554	0.5	**5** SU	0602	0.7	**20** MO ◐	0615	0.6
	1414	1.4		1349	1.5		1345	1.4		1329	1.4
	2031	1.2		1943	1.1		2037	1.0		2022	0.8
	2229	1.2		2329	1.2		2316	1.1			
6 SA ◑	0659	0.6	**21** SU ◐	0645	0.6	**6** MO ◑	0639	0.7	**21** TU	0133	1.1
	1445	1.4		1419	1.5		1408	1.4		0702	0.8
	2117	1.1		2044	1.0		2114	0.9		1400	1.5
										2118	0.7
7 SU	0005	1.1	**22** MO	0112	1.2	**7** TU	0135	1.0	**22** WE	0321	1.1
	0742	0.7		0735	0.7		0716	0.8		0753	0.9
	1513	1.4		1450	1.5		1430	1.4		1431	1.5
	2155	1.1		2139	0.9		2148	0.8		2209	0.5
8 MO	0155	1.1	**23** TU	0253	1.2	**8** WE	0328	1.0	**23** TH	0456	1.1
	0825	0.8		0827	0.8		0756	0.9		0847	1.0
	1539	1.4		1522	1.5		1453	1.4		1505	1.4
	2230	1.0		2230	0.7		2221	0.7		2257	0.4
9 TU	0327	1.1	**24** WE	0426	1.2	**9** TH	0458	1.1	**24** FR	0617	1.2
	0908	0.9		0920	0.9		0839	1.0		0947	1.1
	1603	1.4		1553	1.5		1515	1.4		1539	1.4
	2301	0.9		2316	0.6		2255	0.6		2341	0.3
10 WE	0446	1.1	**25** TH	0551	1.2	**10** FR	0616	1.1	**25** SA	0730	1.2
	0952	1.0		1016	1.1		0929	1.1		1052	1.2
	1627	1.4		1625	1.5		1539	1.4		1614	1.4
	2332	0.8					2329	0.5			
11 TH	0600	1.2	**26** FR	0000	0.5	**11** SA	0727	1.2	**26** SU	0023	0.3
	1038	1.0		0710	1.3		1023	1.2		0831	1.3
	1648	1.4		1116	1.2		1607	1.4		1157	1.2
				1655	1.4					1647	1.4
12 FR	0002	0.7	**27** SA	0042	0.4	**12** SU	0006	0.4	**27** MO	0103	0.3
	0710	1.2		0820	1.3		0829	1.3		0923	1.3
	1125	1.1		1219	1.2		1122	1.2		1302	1.2
	1709	1.4		1725	1.4		1639	1.4		1722	1.3
13 SA	0035	0.6	**28** SU ●	0122	0.3	**13** MO	0045	0.3	**28** TU ●	0143	0.3
	0815	1.3		0923	1.4		0922	1.3		1007	1.3
	1214	1.2		1328	1.3		1223	1.3		1402	1.2
	1732	1.4		1755	1.4		1718	1.4		1758	1.3
14 SU ○	0110	0.5	**29** MO	0202	0.3	**14** TU ○	0128	0.2	**29** WE	0221	0.3
	0915	1.3		1017	1.4		1008	1.4		1045	1.3
	1306	1.3		1438	1.3		1329	1.3		1458	1.2
	1800	1.4		1825	1.4		1805	1.4		1836	1.3
15 MO	0149	0.4	**30** TU	0244	0.3	**15** WE	0213	0.2	**30** TH	0259	0.4
	1015	1.4		1106	1.4		1048	1.4		1115	1.3
	1407	1.3		1544	1.3		1443	1.3		1552	1.2
	1832	1.4		1857	1.3		1859	1.4		1915	1.2

DECEMBER

	Time	m		Time	m		Time	m		Time	m
1 WE	0325	0.4	**16** TH	0300	0.2	**1** FR	0406	0.4	**16** SA	0348	0.3
	1148	1.4		1125	1.4		1225	1.4		1158	1.4
	1648	1.3		1555	1.3		1754	1.2		1705	1.2
	1930	1.3		1957	1.4		2004	1.2		2100	1.3
2 TH	0406	0.4	**17** FR	0348	0.3	**2** SA	0445	0.5	**17** SU	0438	0.4
	1225	1.4		1158	1.4		1256	1.4		1229	1.4
	1754	1.2		1705	1.2		1858	1.2		1814	1.1
	2004	1.2		2100	1.3		2045	1.2		2213	1.2
3 FR	0445	0.5	**18** SA	0438	0.4	**3** SU	0524	0.6	**18** MO	0527	0.5
	1256	1.4		1229	1.4		1322	1.4		1259	1.4
	1858	1.2		1814	1.1		1952	1.1		1920	1.0
	2045	1.2		2213	1.2		2142	1.1		2345	1.1
4 SA	0524	0.6	**19** SU	0527	0.5	**4** MO ◐	0615	0.6	**19** TU	0615	0.6
	1322	1.4		1259	1.4		1329	1.4		1400	1.4
	1952	1.1		1920	1.0		2022	0.8			
	2142	1.1		2345	1.1						
5 SU	0602	0.7	**20** MO ◐	0615	0.6	**5** TU	0133	1.1	**20** WE	0133	1.1
	1345	1.4		1329	1.4		0702	0.8		0702	0.8
	2037	1.0		2022	0.8		1400	1.5		1400	1.5
	2316	1.1					2118	0.7		2118	0.7
6 MO ◑	0639	0.7	**21** TU	0133	1.1	**6** WE	0321	1.1	**21** TH	0321	1.1
	1408	1.4		0702	0.8		0753	0.9		0753	0.9
	2114	0.9		1400	1.5		1431	1.5		1431	1.5
				2118	0.7		2209	0.5		2209	0.5
7 TU	0135	1.0	**22** WE	0321	1.1	**7** TH	0456	1.1	**22** FR	0456	1.1
	0716	0.8		0753	0.9		0847	1.0		0847	1.0
	1430	1.4		1431	1.5		1505	1.4		1505	1.4
	2148	0.8		2209	0.5		2257	0.4		2257	0.4
8 WE	0328	1.0	**23** TH	0456	1.1	**8** FR	0617	1.2	**23** SA	0617	1.2
	0756	0.9		0847	1.0		0947	1.1		0947	1.1
	1453	1.4		1505	1.4		1539	1.4		1539	1.4
	2221	0.7		2257	0.4		2341	0.3		2341	0.3
9 TH	0458	1.1	**24** FR	0617	1.2	**9** SA	0730	1.2	**24** SU	0730	1.2
	0839	1.0		0947	1.1		1052	1.2		1052	1.2
	1515	1.4		1539	1.4		1614	1.4		1614	1.4
	2255	0.6		2341	0.3						
10 FR	0616	1.1	**25** SA	0730	1.2	**10** SU	0023	0.3	**25** MO	0023	0.3
	0929	1.1		1052	1.2		0831	1.3		0831	1.3
	1539	1.4		1614	1.4		1157	1.2		1157	1.2
	2329	0.5					1647	1.4		1647	1.4
11 SA	0727	1.2	**26** SU	0023	0.3	**11** MO	0103	0.3	**26** TU	0103	0.3
	1023	1.2		0831	1.3		0923	1.3		0923	1.3
	1607	1.4		1157	1.2		1302	1.2		1302	1.2
				1647	1.4		1722	1.3		1722	1.3
12 SU	0006	0.4	**27** MO	0103	0.3	**12** TU	0143	0.3	**27** WE	0143	0.3
	0829	1.3		0923	1.3		1007	1.3		1007	1.3
	1122	1.2		1302	1.2		1402	1.2		1402	1.2
	1639	1.4		1722	1.3		1758	1.3		1758	1.3
13 MO	0045	0.3	**28** TU ●	0143	0.3	**13** WE	0221	0.3	**28** TH	0221	0.3
	0922	1.3		1007	1.3		1045	1.3		1045	1.3
	1223	1.3		1402	1.2		1458	1.2		1458	1.2
	1718	1.4		1758	1.3		1836	1.3		1836	1.3
14 TU ○	0128	0.2	**29** WE	0221	0.3	**14** TH	0259	0.4	**29** FR	0259	0.4
	1008	1.4		1045	1.3		1115	1.3		1115	1.3
	1329	1.3		1458	1.2		1552	1.2		1552	1.2
	1805	1.4		1836	1.3		1915	1.2		1915	1.2
15 WE	0213	0.2	**30** TH	0259	0.4	**15** FR	0333	0.4	**30** SA	0333	0.4
	1048	1.4		1115	1.3		1141	1.3		1141	1.3
	1443	1.3		1552	1.2		1646	1.2		1646	1.2
	1859	1.4		1915	1.2		1958	1.2		1958	1.2
									31 SU	0427	0.4
										1232	1.3
										1737	1.2
										2040	1.2

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I

56070

PAPUA NEW GUINEA - SEEADLER HARBOUR (LOMBRUM BAY)

LAT 2° 02´ S LONG 147° 23´ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

JANUARY

	Time	m		Time	m
1 FR	0413	0.8	**16** SA	1304	1.1
	0658	0.8		2107	0.5
	1402	1.1	◑		
	2206	0.4			
2 SA	1411	1.1	**17** SU	1316	1.1
	2239	0.3		2132	0.4
3 SU	1415	1.1	**18** MO	1337	1.2
	2311	0.3		2205	0.3
4 MO	1414	1.1	**19** TU	1404	1.2
	2343	0.3		2244	0.2
5 TU	1403	1.1	**20** WE	1438	1.3
				2326	0.1
6 WE	0015	0.3	**21** TH	1515	1.3
	1408	1.2			
7 TH	0048	0.3	**22** FR	0011	0.1
	1426	1.2	○	1554	1.3
8 FR	0121	0.3	**23** SA	0057	0.2
●	1448	1.2		1630	1.2
9 SA	0155	0.4	**24** SU	0145	0.3
	1510	1.2		1650	1.1
10 SU	0228	0.4	**25** MO	0233	0.4
	1525	1.1		1306	1.0
11 MO	0259	0.5	**26** TU	0326	0.5
	1519	1.1		1217	1.0
				1943	0.8
				2145	0.8
12 TU	0328	0.5	**27** WE	0431	0.7
	1436	1.1		1224	1.1
				1951	0.7
13 WE	0351	0.6	**28** TH	0123	0.8
	1319	1.0		0550	0.8
				1241	1.1
				2023	0.5
14 TH	0342	0.7	**29** FR	0350	0.9
	1300	1.1		0657	0.9
	2153	0.7	◐	1300	1.1
				2056	0.4
15 FR	1259	1.1	**30** SA	0450	0.9
	2059	0.6		0744	0.9
				1319	1.1
				2129	0.4
			31 SU	0540	1.0
				0810	1.0
				1336	1.1
				2201	0.3

FEBRUARY

	Time	m		Time	m
1 MO	0639	1.0	**16** TU	1316	1.2
	0809	1.0		2133	0.2
	1352	1.1			
	2233	0.3			
2 TU	1404	1.1	**17** WE	1357	1.2
	2304	0.3		2214	0.2
3 WE	1413	1.1	**18** TH	1438	1.3
	2336	0.3		2255	0.2
4 TH	1423	1.1	**19** FR	1519	1.3
				2337	0.3
5 FR	0007	0.4	**20** SA	1601	1.2
	1441	1.2			
6 SA	0036	0.4	**21** SU	0017	0.4
	1500	1.1	○	1647	1.1
7 SU	0101	0.5	**22** MO	0056	0.5
●	1519	1.1		0937	1.0
				1222	0.9
				1749	1.0
8 MO	0120	0.5	**23** TU	0130	0.7
	1531	1.1		0952	1.0
				1711	0.8
				2106	0.9
9 TU	0128	0.6	**24** WE	0155	0.8
	1517	1.0		1014	1.0
				1811	0.7
10 WE	0121	0.7	**25** TH	0323	0.9
	1151	1.0		0537	0.9
				1039	1.0
				1854	0.6
11 TH	0038	0.7	**26** FR	0330	1.0
	1122	1.0		0709	0.9
	2025	0.7		1109	1.0
				1932	0.5
12 FR	1127	1.0	**27** SA	0355	1.0
	1945	0.6		0806	1.0
				1144	1.0
				2008	0.4
13 SA	0518	0.9	**28** SU	0420	1.1
	0631	0.9	◐	0844	1.0
	1140	1.0		1220	1.0
	1957	0.5		2042	0.4
14 SU	0533	1.0			
◑	0704	1.0			
	1204	1.1			
	2023	0.4			
15 MO	0555	1.0			
	0709	1.0			
	1237	1.1			
	2056	0.3			

MARCH

	Time	m		Time	m
1 MO	0446	1.0	**16** TU	0431	1.1
	0901	1.0		0818	1.0
	1254	1.0		1200	1.1
	2114	0.3	◑	2017	0.3
2 TU	0515	1.0	**17** WE	0445	1.1
	0857	1.0		0820	1.0
	1323	1.0		1259	1.1
	2145	0.4		2058	0.3
3 WE	0550	1.0	**18** TH	0505	1.1
	0844	1.0		0837	1.0
	1345	1.1		1351	1.2
	2215	0.4		2136	0.3
4 TH	0635	1.0	**19** FR	0530	1.0
	0827	1.0		0910	1.0
	1404	1.1		1441	1.2
	2243	0.4		2215	0.4
5 FR	1423	1.1	**20** SA	0555	1.0
	2308	0.5		0956	0.9
				1532	1.1
				2250	0.5
6 SA	1445	1.1	**21** SU	0618	1.0
	2329	0.5		1055	0.9
				1631	1.0
				2320	0.6
7 SU	1512	1.1	**22** MO	0636	1.0
	2342	0.6	○	1212	0.8
				1806	0.9
				2342	0.8
8 MO	0817	0.9	**23** TU	0638	1.0
●	1012	0.9		1405	0.7
	1540	1.0		2100	0.9
	2344	0.7		2330	0.9
9 TU	0812	0.9	**24** WE	0613	1.0
	1137	0.9		1548	0.6
	1612	0.9			
	2329	0.8			
10 WE	0755	0.9	**25** TH	0333	1.0
	1314	0.8		1658	0.5
	1654	0.8			
	1949	0.8			
11 TH	0514	0.9	**26** FR	0306	1.1
	1709	0.7		1750	0.5
12 FR	0406	1.0	**27** SA	0314	1.1
	1747	0.6		1834	0.4
13 SA	0404	1.1	**28** SU	0328	1.1
	1824	0.5		1913	0.4
14 SU	0415	1.1	**29** MO	0345	1.1
	1901	0.4		1948	0.4
15 MO	0425	1.1	**30** TU	0400	1.1
	0821	1.0	◐	2020	0.4
	1047	1.1			
	1939	0.3			
			31 WE	0417	1.1
				0934	1.0
				1225	1.0
				2049	0.4

APRIL

	Time	m		Time	m
1 TH	0435	1.0	**16** FR	0401	1.1
	0912	0.9		0925	0.9
	1311	1.0		1359	1.0
	2115	0.5		2055	0.5
2 FR	0452	1.0	**17** SA	0416	1.1
	0915	0.9		1010	0.8
	1347	1.0		1508	1.0
	2138	0.5		2127	0.6
3 SA	0507	1.0	**18** SU	0430	1.1
	0934	0.9		1103	0.8
	1424	1.0		1629	0.9
	2156	0.6		2151	0.7
4 SU	0516	1.0	**19** MO	0436	1.1
	1007	0.9		1201	0.7
	1507	1.0		1822	0.9
	2205	0.7		2200	0.8
5 MO	0514	1.0	**20** TU	0429	1.1
	1050	0.8		1259	0.6
	1604	0.9			
	2202	0.8			
6 TU	0500	1.0	**21** WE	0406	1.1
	1141	0.7	○	1356	0.5
	1801	0.9			
	2123	0.8			
7 WE	0427	1.0	**22** TH	0303	1.1
●	1241	0.7		1452	0.4
8 TH	0347	1.1	**23** FR	0234	1.2
	1352	0.6		1548	0.4
9 FR	0324	1.1	**24** SA	0238	1.2
	1510	0.5		1643	0.4
10 SA	0319	1.2	**25** SU	0249	1.2
	1621	0.4		1732	0.4
11 SU	0327	1.2	**26** MO	0302	1.2
	1721	0.4		1815	0.4
12 MO	0335	1.2	**27** TU	0313	1.1
	1813	0.3		1853	0.4
13 TU	0336	1.2	**28** WE	0320	1.1
	1859	0.3		1925	0.5
14 WE	0340	1.1	**29** TH	0326	1.1
◑	0836	1.0	◐	1951	0.5
	1125	1.1			
	1941	0.3			
15 TH	0349	1.1	**30** FR	0333	1.1
	0853	1.0		1011	0.9
	1248	1.1		1216	0.9
	2019	0.4		2013	0.6

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I

56130

PAPUA NEW GUINEA - SEEADLER HARBOUR (LOMBRUM BAY)

LAT 2° 02´ S LONG 147° 23´ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

MAY

	Time	m		Time	m
1 SA	0341	1.1	**16** SU	0318	1.1
	1000	0.8		1045	0.6
	1347	0.9		1623	0.9
	2029	0.6		2033	0.8
2 SU	0345	1.1	**17** MO	0325	1.1
	1019	0.8		1129	0.5
	1507	0.9		1826	0.9
	2036	0.7		2025	0.9
3 MO	0345	1.1	**18** TU	0323	1.1
	1048	0.7		1211	0.4
	1644	0.8			
	2024	0.8			
4 TU	0339	1.1	**19** WE	0311	1.1
	1123	0.6		1251	0.4
5 WE	0325	1.1	**20** TH ○	0233	1.2
	1203	0.5		1331	0.3
6 TH ●	0308	1.1	**21** FR	0207	1.2
	1248	0.4		1414	0.3
7 FR	0256	1.2	**22** SA	0208	1.2
	1339	0.3		1459	0.3
8 SA	0253	1.2	**23** SU	0223	1.2
	1436	0.3		1546	0.3
9 SU	0257	1.2	**24** MO	0238	1.2
	1538	0.3		1635	0.4
10 MO	0302	1.2	**25** TU	0247	1.1
	1638	0.3		1721	0.4
11 TU	0258	1.2	**26** WE	0247	1.1
	1733	0.3		1759	0.5
12 WE	0248	1.2	**27** TH	0240	1.1
	1822	0.3		1830	0.5
13 TH ◑	0248	1.2	**28** FR ◐	0235	1.1
	0848	1.0		1854	0.6
	1114	1.0			
	1905	0.4			
14 FR	0255	1.1	**29** SA	0236	1.1
	0919	0.9		1045	0.8
	1307	0.9		1217	0.8
	1942	0.5		1912	0.6
15 SA	0306	1.1	**30** SU	0239	1.1
	1000	0.7		1008	0.7
	1445	0.9		1500	0.8
	2012	0.7		1919	0.7
			31 MO	0240	1.1
				1019	0.6
				1659	0.8
				1859	0.8

JUNE

	Time	m		Time	m
1 TU	0240	1.1	**16** WE	0238	1.1
	1044	0.5		1153	0.3
2 WE	0237	1.1	**17** TH	0224	1.1
	1115	0.4		1230	0.3
3 TH	0236	1.2	**18** FR	0200	1.1
	1152	0.3		1306	0.3
4 FR	0240	1.2	**19** SA ○	0156	1.1
	1234	0.2		1345	0.3
5 SA ●	0250	1.2	**20** SU	0209	1.1
	1321	0.2		1424	0.3
6 SU	0304	1.2	**21** MO	0230	1.1
	1414	0.2		1506	0.3
7 MO	0304	1.2	**22** TU	0244	1.1
	1509	0.2		1549	0.4
8 TU	0245	1.2	**23** WE	0243	1.1
	1606	0.2		1630	0.5
9 WE	0204	1.1	**24** TH	0221	1.1
	1701	0.3		1708	0.5
10 TH	0152	1.1	**25** FR	0151	1.1
	1752	0.4		1740	0.6
11 FR ◑	0154	1.1	**26** SA	0142	1.1
	0842	0.8		1804	0.6
	1159	0.9			
	1835	0.5			
12 SA	0204	1.1	**27** SU ◐	0139	1.1
	0918	0.7		0935	0.7
	1411	0.8		1500	0.7
	1912	0.7		1816	0.7
13 SU	0217	1.1	**28** MO	0141	1.1
	0959	0.5		0929	0.6
	1607	0.8			
	1937	0.8			
14 MO	0230	1.1	**29** TU	0145	1.1
	1037	0.4		0946	0.5
	1803	0.9			
	1937	0.9			
15 TU	0237	1.1	**30** WE	0150	1.1
	1115	0.3		1015	0.3

JULY

	Time	m		Time	m
1 TH	0200	1.2	**16** FR	0213	1.1
	1049	0.2		1200	0.2
2 FR	0218	1.2	**17** SA	0204	1.1
	1129	0.2		1236	0.3
3 SA	0245	1.2	**18** SU	0210	1.1
	1213	0.1		1314	0.3
4 SU ●	0318	1.2	**19** MO ○	0224	1.1
	1300	0.1		1350	0.4
5 MO	0355	1.2	**20** TU	0238	1.1
	1349	0.2		1425	0.4
6 TU	0417	1.2	**21** WE	0244	1.1
	1441	0.2		1500	0.5
7 WE	0208	1.1	**22** TH	0225	1.0
	1536	0.3		1536	0.5
8 TH	0050	1.1	**23** FR	0124	1.0
	1633	0.5		1619	0.6
9 FR	0047	1.1	**24** SA	0045	1.0
	0733	0.8		1714	0.7
	1055	0.8			
	1731	0.6			
10 SA	0058	1.1	**25** SU	0036	1.0
	0813	0.6		0833	0.6
	1330	0.8		1630	0.8
	1825	0.7		1800	0.8
11 SU ◑	0115	1.1	**26** MO	0038	1.0
	0852	0.5		0824	0.5
	1538	0.8		1716	0.8
	1910	0.8		1829	0.8
12 MO	0134	1.1	**27** TU ◐	0045	1.0
	0931	0.4		0840	0.4
	1703	0.9			
	1945	0.9			
13 TU	0151	1.1	**28** WE	0057	1.1
	1009	0.3		0905	0.3
	1824	0.9			
	2000	0.9			
14 WE	0205	1.1	**29** TH	0116	1.1
	1046	0.2		0938	0.2
15 TH	0215	1.1	**30** FR	0143	1.2
	1123	0.2		1017	0.2
			31 SA	0215	1.2
				1100	0.1

AUGUST

	Time	m		Time	m
1 SU	0252	1.2	**16** MO	0219	1.1
	1145	0.1		1227	0.4
2 MO ●	0332	1.2	**17** TU ○	0230	1.0
	1230	0.2		1255	0.5
3 TU	0415	1.2	**18** WE	0237	1.0
	1316	0.3		1316	0.6
4 WE	0507	1.1	**19** TH	0232	1.0
	1405	0.4		1322	0.6
	2321	1.0			
5 TH	0510	0.9	**20** FR	0133	0.9
	0654	0.9		1256	0.7
	1500	0.5		2303	0.9
	2317	1.0			
6 FR	0608	0.8	**21** SA	0758	0.7
	1004	0.8		1553	0.8
	1615	0.7		1726	0.8
	2334	1.0		2258	0.9
7 SA	0653	0.6	**22** SU	0704	0.6
	1248	0.8		1553	0.9
	1746	0.8		1837	0.8
	2359	1.0		2307	0.9
8 SU	0734	0.5	**23** MO	0706	0.5
	1502	0.9		1613	0.9
	1857	0.8		1918	0.9
				2322	1.0
9 MO ◑	0026	1.1	**24** TU	0726	0.4
	0815	0.3		1632	1.0
	1602	0.9		1943	0.9
	1947	0.9		2345	1.0
10 TU	0053	1.1	**25** WE ◐	0752	0.3
	0853	0.3		1650	1.0
	1646	1.0		1952	1.0
	2023	0.9			
11 WE	0119	1.1	**26** TH	0015	1.1
	0930	0.2		0825	0.3
	1730	1.0		1710	1.0
	2043	0.9		1951	1.0
12 TH	0143	1.1	**27** FR	0052	1.1
	1007	0.2		0901	0.2
	1819	1.0		1739	1.0
	2045	0.9		1952	1.0
13 FR	0200	1.1	**28** SA	0131	1.2
	1044	0.3		0942	0.2
				1816	1.0
				2003	1.0
14 SA	0211	1.1	**29** SU	0212	1.2
	1119	0.3		1023	0.2
				1900	1.0
				2030	0.9
15 SU	0213	1.1	**30** MO	0255	1.2
	1154	0.3		1106	0.3
				1937	0.9
				2125	0.9
			31 TU	0342	1.1
				1147	0.4
				2005	0.9
				2252	0.9

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I

56130

PAPUA NEW GUINEA - SEEADLER HARBOUR (LOMBRUM BAY)

LAT 2° 02´ S LONG 147° 23´ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

SEPTEMBER

	Time	m		Time	m
1 WE ●	0441	1.0	**16** TH ○	0313	0.9
	1229	0.5		1116	0.7
	2030	0.9		1930	0.9
2 TH	0116	0.9	**17** FR	0012	0.8
	0631	0.9		0333	0.8
	1309	0.6		0958	0.8
	2057	0.9		1848	0.9
3 FR	0410	0.7	**18** SA	0427	0.7
	0926	0.9		1526	0.9
	1352	0.8			
	2125	1.0			
4 SA	0517	0.6	**19** SU	0450	0.6
	1301	0.9		1513	1.0
	1716	0.9			
	2159	1.0			
5 SU	0607	0.5	**20** MO	0522	0.5
	1438	1.0		1523	1.0
	1847	0.9			
	2237	1.0			
6 MO	0651	0.4	**21** TU	0556	0.4
	1512	1.0		1538	1.1
	1944	0.9			
	2319	1.0			
7 TU	0731	0.3	**22** WE	0631	0.4
	1541	1.1		1549	1.1
	2022	0.9		2030	1.0
				2222	1.0
8 WE ◑	0003	1.0	**23** TH ◐	0707	0.3
	0810	0.3		1558	1.1
	1609	1.0		2018	1.0
	2046	0.9		2334	1.0
9 TH	0043	1.0	**24** FR	0745	0.3
	0846	0.3		1611	1.1
	1637	1.0		2020	1.0
	2059	0.9			
10 FR	0115	1.0	**25** SA	0031	1.1
	0920	0.3		0823	0.3
	1708	1.0		1629	1.0
	2100	0.9		2034	0.9
11 SA	0142	1.0	**26** SU	0124	1.1
	0953	0.4		0902	0.3
	1742	1.0		1648	1.0
	2100	0.9		2103	0.9
12 SU	0200	1.0	**27** MO	0215	1.1
	1024	0.4		0941	0.4
	1819	0.9		1710	1.0
	2101	0.9		2148	0.9
13 MO	0215	1.0	**28** TU	0312	1.1
	1050	0.5		1017	0.5
	1856	0.9		1730	1.0
	2116	0.9		2248	0.8
14 TU	0230	1.0	**29** WE	0422	1.0
	1112	0.6		1051	0.6
	1918	0.9		1746	1.0
	2151	0.9			
15 WE	0249	0.9	**30** TH ●	0009	0.7
	1123	0.6		0623	0.9
	1930	0.9		1118	0.8
	2248	0.8		1752	1.0

OCTOBER

	Time	m		Time	m
1 FR	0149	0.6	**16** SA	0050	0.6
	0907	0.9		1456	1.1
	1121	0.9			
	1746	1.0			
2 SA	0314	0.5	**17** SU	0155	0.5
	1515	1.0		1442	1.1
3 SU	0419	0.4	**18** MO	0300	0.4
	1427	1.1		1445	1.1
4 MO	0514	0.4	**19** TU	0400	0.4
	1435	1.1		1459	1.2
5 TU	0601	0.3	**20** WE	0453	0.3
	1452	1.1		1510	1.2
6 WE	0644	0.3	**21** TH	0542	0.3
	1511	1.1		1512	1.2
7 TH ◑	0722	0.3	**22** FR	0626	0.3
	1530	1.1		1514	1.1
	2128	0.9		2034	1.0
	2336	0.9		2245	1.0
8 FR	0757	0.4	**23** SA ◐	0706	0.3
	1547	1.1		1520	1.1
	2122	0.9		2043	0.9
9 SA	0032	0.9	**24** SU	0017	1.0
	0828	0.4		0745	0.4
	1604	1.0		1529	1.1
	2121	0.9		2111	0.9
10 SU	0115	0.9	**25** MO	0131	1.0
	0854	0.5		0819	0.5
	1621	1.0		1542	1.1
	2130	0.9		2152	0.8
11 MO	0152	0.9	**26** TU	0246	1.0
	0916	0.5		0852	0.6
	1636	1.0		1555	1.1
	2151	0.8		2242	0.7
12 TU	0230	0.9	**27** WE	0413	0.9
	0931	0.6		0918	0.7
	1644	1.0		1603	1.1
	2223	0.8		2336	0.6
13 WE	0320	0.9	**28** TH	0615	0.9
	0936	0.7		0930	0.8
	1642	1.0		1603	1.1
	2303	0.7			
14 TH	0448	0.8	**29** FR ●	0033	0.5
	0909	0.8		1557	1.1
	1625	1.0			
	2353	0.7			
15 FR ○	1542	1.0	**30** SA	0130	0.4
				1511	1.1
			31 SU	0226	0.4
				1418	1.2

NOVEMBER

	Time	m		Time	m
1 MO	0321	0.3	**16** TU	0213	0.3
	1414	1.2		1442	1.2
2 TU	0415	0.3	**17** WE	0308	0.3
	1423	1.2		1452	1.2
3 WE	0506	0.3	**18** TH	0405	0.3
	1436	1.2		1451	1.2
4 TH	0551	0.4	**19** FR	0458	0.3
	1446	1.1		1434	1.2
5 FR	0630	0.4	**20** SA	0545	0.3
	1455	1.1		1428	1.2
6 SA ◑	0703	0.4	**21** SU ◐	0628	0.4
	1501	1.1		1430	1.1
				2107	0.8
7 SU	0730	0.5	**22** MO	0032	0.9
	1509	1.1		0705	0.5
	2209	0.8		1437	1.1
				2139	0.7
8 MO	0050	0.8	**23** TU	0218	0.9
	0750	0.6		0736	0.6
	1517	1.1		1448	1.2
	2208	0.8		2218	0.6
9 TU	0213	0.8	**24** WE	0401	0.9
	0802	0.7		0758	0.8
	1522	1.1		1459	1.2
	2224	0.7		2300	0.5
10 WE	0338	0.8	**25** TH	0609	0.9
	0803	0.7		0751	0.9
	1523	1.1		1503	1.2
	2248	0.6		2342	0.4
11 TH	0558	0.8	**26** FR	1503	1.2
	0708	0.8			
	1516	1.1			
	2319	0.5			
12 FR	1500	1.1	**27** SA	0024	0.3
	2355	0.5		1450	1.2
13 SA	1439	1.1	**28** SU ●	0106	0.3
				1426	1.2
14 SU ○	0034	0.4	**29** MO	0150	0.3
	1427	1.2		1415	1.2
15 MO	0121	0.3	**30** TU	0236	0.3
	1430	1.2		1422	1.2

DECEMBER

	Time	m		Time	m
1 WE	0324	0.3	**16** TH	0233	0.2
	1434	1.2		1516	1.2
2 TH	0413	0.4	**17** FR	0327	0.3
	1441	1.2		1438	1.2
3 FR	0458	0.4	**18** SA	0419	0.4
	1437	1.1		1345	1.1
4 SA	0536	0.5	**19** SU	0509	0.5
	1426	1.1		1334	1.1
				2052	0.8
				2310	0.8
5 SU	0607	0.5	**20** MO ◐	0554	0.6
	1419	1.1		1339	1.1
				2104	0.7
6 MO ◑	0630	0.6	**21** TU	0143	0.8
	1419	1.1		0631	0.7
	2233	0.7		1351	1.2
				2136	0.5
7 TU	0132	0.8	**22** WE	0349	0.8
	0645	0.7		0700	0.8
	1422	1.1		1406	1.2
	2209	0.7		2213	0.4
8 WE	0342	0.8	**23** TH	0549	0.9
	0643	0.7		0658	0.9
	1425	1.1		1419	1.2
	2216	0.6		2249	0.3
9 TH	1426	1.1	**24** FR	1430	1.2
	2235	0.5		2327	0.3
10 FR	1424	1.1	**25** SA	1436	1.2
	2302	0.4			
11 SA	1423	1.2	**26** SU	0004	0.2
	2335	0.3		1433	1.2
12 SU	1428	1.2	**27** MO	0042	0.2
				1430	1.2
13 MO	0013	0.2	**28** TU ●	0121	0.3
	1442	1.3		1439	1.2
14 TU ○	0056	0.2	**29** WE	0200	0.3
	1503	1.3		1452	1.2
15 WE	0143	0.2	**30** TH	0241	0.4
	1523	1.3		1503	1.2
			31 FR	0321	0.4
				1503	1.1

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I

56130

PAPUA NEW GUINEA - RABAUL

LAT 4° 12´ S LONG 152° 10´ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

JANUARY

	Time	m		Time	m
1 FR	1337 2226	1.0 0.4	**16** SA ◑	1243 2147	1.0 0.5
2 SA	1319 2237	1.1 0.3	**17** SU	1235 2137	1.0 0.4
3 SU	1305 2253	1.1 0.3	**18** MO	1255 2153	1.1 0.2
4 MO	1309 2310	1.1 0.3	**19** TU	1325 2221	1.2 0.2
5 TU	1327 2327	1.1 0.3	**20** WE	1359 2254	1.2 0.1
6 WE	1353 2342	1.2 0.3	**21** TH	1432 2330	1.2 0.1
7 TH	1423 2354	1.2 0.3	**22** FR ○	1505	1.3
8 FR ●	1453	1.2	**23** SA	0006 1532	0.2 1.2
9 SA	0004 1519	0.3 1.2	**24** SU	0040 1548	0.2 1.2
10 SU	0013 1541	0.4 1.2	**25** MO	0107 1540	0.4 1.1
11 MO	0020 1553	0.4 1.1	**26** TU	0117 1459	0.5 1.0
12 TU	0024 1553	0.5 1.1	**27** WE	0003 1412 2243	0.6 1.0 0.6
13 WE	0023 1530	0.5 1.0	**28** TH	1400 2155	1.0 0.5
14 TH	0015 1432 2357	0.5 1.0 0.6	**29** FR ◐	1326 2143	0.9 0.4
15 FR	1327 2300	1.0 0.6	**30** SA	0619 0946 1219 2150	1.0 1.0 1.0 0.4
			31 SU	0624 0958 1218 2204	1.0 1.0 1.0 0.3

FEBRUARY

	Time	m		Time	m
1 MO	0649 0913 1242 2221	1.0 1.0 1.0 0.3	**16** TU	0641 0900 1240 2124	1.0 1.0 1.1 0.2
2 TU	1312 2238	1.0 0.3	**17** WE	0640 0804 1330 2153	1.0 1.0 1.1 0.2
3 WE	1341 2253	1.1 0.3	**18** TH	0657 0808 1410 2225	1.0 1.0 1.2 0.2
4 TH	1408 2305	1.1 0.3	**19** FR	0727 0817 1445 2256	1.0 1.0 1.2 0.2
5 FR	1435 2315	1.2 0.4	**20** SA	0756 0819 1515 2325	0.9 0.9 1.2 0.3
6 SA	1501 2319	1.2 0.4	**21** SU ○	0653 0851 1541 2346	0.9 0.9 1.1 0.4
7 SU	1527 2322	1.2 0.4	**22** MO	0643 0936 1557 2349	0.9 0.9 1.0 0.5
8 MO	1547 2323	1.1 0.5	**23** TU	0634 1022 1548 2300	0.9 0.8 0.9 0.6
9 TU	0701 0816 1600 2320	0.8 0.8 1.1 0.5	**24** WE	0615 1108 1453 2153	0.9 0.8 0.9 0.6
10 WE	0629 0932 1602 2311	0.8 0.8 1.0 0.6	**25** TH	0540 1157 1328 2101	1.0 0.8 0.8 0.6
11 TH	0611 1038 1536 2256	0.9 0.8 0.9 0.6	**26** FR	0513 2043	1.0 0.5
12 FR	0605 2227	0.9 0.6	**27** SA	0506 2048	1.1 0.4
13 SA	0613 2115	1.0 0.5	**28** SU ◐	0506 2102	1.1 0.4
14 SU ◑	0625 2049	1.0 0.4			
15 MO	0638 2100	1.0 0.3			

MARCH

	Time	m		Time	m
1 MO	0515 2119	1.1 0.3	**16** TU ◑	0508 2015	1.1 0.3
2 TU	0530 1041 1203 2136	1.0 0.9 0.9 0.3	**17** WE	0504 0954 1224 2045	1.1 1.0 1.0 0.3
3 WE	0545 0924 1306 2152	1.0 0.9 1.0 0.4	**18** TH	0505 0915 1327 2116	1.1 1.0 1.1 0.3
4 TH	0558 0857 1338 2205	1.0 0.9 1.0 0.4	**19** FR	0505 0916 1411 2145	1.0 0.9 1.1 0.3
5 FR	0600 0828 1405 2215	0.9 0.9 1.1 0.4	**20** SA	0459 0936 1448 2211	1.0 0.9 1.1 0.4
6 SA	0546 0826 1432 2219	0.9 0.9 1.1 0.5	**21** SU	0455 1006 1522 2228	1.0 0.8 1.0 0.5
7 SU	0529 0849 1500 2220	0.9 0.8 1.1 0.5	**22** MO ○	0454 1044 1555 2227	1.0 0.8 1.0 0.6
8 MO ●	0512 0927 1527 2219	0.9 0.8 1.1 0.6	**23** TU	0448 1127 1626 2144	1.0 0.7 0.9 0.7
9 TU	0500 1011 1554 2215	0.9 0.8 1.0 0.6	**24** WE	0438 1215 1644 2032	1.1 0.7 0.8 0.7
10 WE	0452 1100 1618 2202	1.0 0.7 0.9 0.6	**25** TH	0425 1322 1518 1909	1.1 0.7 0.7 0.6
11 TH	0447 1157 1634 2147	1.0 0.7 0.8 0.6	**26** FR	0416 1851	1.1 0.6
12 FR	0447 1328 1606 2120	1.1 0.7 0.7 0.6	**27** SA	0415 1913	1.2 0.5
13 SA	0454 1943	1.1 0.6	**28** SU	0417 1938	1.2 0.5
14 SU	0501 1926	1.1 0.5	**29** MO	0422 2001	1.1 0.4
15 MO	0508 1946	1.1 0.4	**30** TU ◐	0430 2022	1.1 0.4
			31 WE	0434 2040	1.1 0.4

APRIL

	Time	m		Time	m
1 TH	0436 0936 1218 2054	1.0 0.9 0.9 0.5	**16** FR	0400 0938 1318 2030	1.1 0.9 0.9 0.4
2 FR	0433 0913 1312 2103	1.0 0.9 1.0 0.5	**17** SA	0350 0949 1418 2054	1.1 0.8 0.9 0.5
3 SA	0426 0915 1349 2108	1.0 0.8 1.0 0.5	**18** SU	0343 1015 1513 2108	1.1 0.7 0.9 0.6
4 SU	0415 0930 1424 2110	1.0 0.8 1.0 0.6	**19** MO	0339 1050 1612 2058	1.1 0.7 0.8 0.7
5 MO	0403 0957 1501 2107	1.0 0.7 0.9 0.6	**20** TU	0330 1128 1734 1940	1.1 0.6 0.8 0.8
6 TU	0352 1032 1543 2058	1.0 0.7 0.9 0.7	**21** WE ○	0322 1206	1.1 0.5
7 WE ●	0346 1115 1630 2039	1.1 0.6 0.8 0.7	**22** TH	0320 1246	1.2 0.5
8 TH	0345 1202 1730 2019	1.1 0.6 0.7 0.7	**23** FR	0320 1331	1.2 0.5
9 FR	0349 1300	1.2 0.5	**24** SA	0326 1512	1.2 0.5
10 SA	0356 1429	1.2 0.5	**25** SU	0335 1720	1.2 0.5
11 SU	0404 1644	1.2 0.5	**26** MO	0345 1814	1.2 0.5
12 MO	0413 1759	1.2 0.4	**27** TU	0351 1849	1.1 0.5
13 TU	0416 1847	1.2 0.4	**28** WE	0354 1915	1.1 0.5
14 WE ◑	0411 1927	1.1 0.4	**29** TH ◐	0350 1930	1.1 0.5
15 TH	0404 1019 1143 2000	1.1 0.9 0.9 0.4	**30** FR	0344 1940	1.0 0.5

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I

56200

PAPUA NEW GUINEA - RABAUL

LAT 4° 12´ S LONG 152° 10´ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

MAY

	Time	m		Time	m
1 SA	0331 0936 1228 1946	1.0 0.8 0.8 0.6	**16** SU	0245 1030 1549 1947	1.1 0.6 0.8 0.7
2 SU	0317 0938 1340 1948	1.0 0.7 0.8 0.6	**17** MO	0238 1053	1.1 0.5
3 MO	0305 0958 1444 1941	1.0 0.7 0.8 0.7	**18** TU	0227 1121	1.1 0.5
4 TU	0252 1027 1549 1916	1.1 0.6 0.8 0.7	**19** WE	0216 1151	1.1 0.4
5 WE	0245 1101 1718 1832	1.1 0.5 0.7 0.7	**20** TH ○	0217 1221	1.2 0.4
6 TH ●	0246 1142	1.2 0.4	**21** FR	0225 1248	1.2 0.4
7 FR	0254 1228	1.2 0.4	**22** SA	0238 1316	1.2 0.4
8 SA	0305 1323	1.2 0.3	**23** SU	0257 1346	1.2 0.4
9 SU	0318 1431	1.2 0.3	**24** MO	0315 1425	1.2 0.4
10 MO	0329 1548	1.2 0.3	**25** TU	0330 1536	1.1 0.5
11 TU	0335 1658	1.2 0.3	**26** WE	0336 1653	1.1 0.5
12 WE	0332 1753	1.2 0.4	**27** TH	0332 1728	1.1 0.5
13 TH ◑	0321 1837	1.1 0.4	**28** FR ◐	0317 1745	1.0 0.6
14 FR	0314 1912	1.1 0.5	**29** SA	0259 1753	1.0 0.6
15 SA	0300 1022 1400 1937	1.1 0.7 0.8 0.6	**30** SU	0234 1741	1.0 0.7
			31 MO	0215 1000	1.0 0.6

JUNE

	Time	m		Time	m
1 TU	0200 1009	1.1 0.5	**16** WE	0128 1124	1.1 0.3
2 WE	0152 1033	1.1 0.4	**17** TH	0127 1148	1.1 0.3
3 TH	0154 1106	1.1 0.3	**18** FR	0137 1212	1.1 0.3
4 FR	0205 1145	1.2 0.2	**19** SA ○	0158 1232	1.1 0.3
5 SA ●	0223 1230	1.2 0.2	**20** SU	0224 1249	1.1 0.3
6 SU	0245 1320	1.2 0.2	**21** MO	0251 1302	1.1 0.3
7 MO	0303 1414	1.2 0.2	**22** TU	0315 1309	1.1 0.4
8 TU	0312 1510	1.2 0.3	**23** WE	0329 1310	1.1 0.4
9 WE	0307 1606	1.1 0.3	**24** TH	0331 1309	1.1 0.5
10 TH	0251 1659	1.1 0.4	**25** FR	0318 1305	1.0 0.5
11 FR ◑	0238 1744	1.1 0.5	**26** SA	0250 1254	1.0 0.5
12 SA	0230 1054 1521 1816	1.0 0.6 0.7 0.6	**27** SU ◐	0216 1219	1.0 0.6
13 SU	0207 1029 1727 1821	1.0 0.5 0.7 0.7	**28** MO	0142 1032	1.0 0.5
14 MO	0152 1040	1.0 0.4	**29** TU	0116 0953	1.0 0.4
15 TU	0141 1100	1.0 0.3	**30** WE	0105 1000	1.0 0.3

JULY

	Time	m		Time	m
1 TH	0111 1023	1.1 0.2	**16** FR	0112 1124	1.0 0.2
2 FR	0129 1056	1.1 0.2	**17** SA	0134 1144	1.0 0.2
3 SA	0153 1133	1.2 0.1	**18** SU	0201 1158	1.1 0.3
4 SU ●	0223 1215	1.2 0.1	**19** MO ○	0229 1203	1.1 0.3
5 MO	0252 1258	1.2 0.1	**20** TU	0254 1200	1.1 0.4
6 TU	0313 1340	1.2 0.2	**21** WE	0314 1152	1.1 0.4
7 WE	0309 1419	1.1 0.3	**22** TH	0324 1148	1.0 0.4
8 TH	0238 1452	1.0 0.4	**23** FR	0321 1142	1.0 0.5
9 FR	0208 1446	1.0 0.6	**24** SA	0302 1129	0.9 0.5
10 SA	0200 1032	1.0 0.5	**25** SU	0220 1111 1843 2045	0.9 0.5 0.8 0.8
11 SU ◑	0149 0954	1.0 0.4	**26** MO	0129 1022 1904 2114	0.9 0.5 0.9 0.8
12 MO	0122 0959 1852 1921	1.0 0.3 0.9 0.9	**27** TU ◐	0045 0930	0.9 0.4
13 TU	0110 1016	1.0 0.3	**28** WE	0016 0919	0.9 0.3
14 WE	0102 1038	1.0 0.2	**29** TH	0030 0933	1.0 0.2
15 TH	0100 1101	1.0 0.2	**30** FR	0059 1000	1.0 0.1
			31 SA	0131 1031	1.1 0.1

AUGUST

	Time	m		Time	m
1 SU	0204 1107	1.1 0.1	**16** MO	0205 1100	1.0 0.3
2 MO ●	0235 1143	1.1 0.1	**17** TU ○	0228 1053	1.0 0.4
3 TU	0301 1217	1.1 0.2	**18** WE	0250 1042 1838 1900	1.0 0.4 0.7 0.7
4 WE	0316 1246	1.1 0.3	**19** TH	0307 1035 1722 2024	1.0 0.5 0.7 0.7
5 TH	0300 1258	1.0 0.5	**20** FR	0315 1026 1659 2114	0.9 0.5 0.8 0.7
6 FR	0154 1115	0.9 0.6	**21** SA	0311 1014 1652 2200	0.9 0.5 0.8 0.7
7 SA	0122 0936	0.9 0.5	**22** SU	0242 1001 1659 2252	0.8 0.5 0.9 0.7
8 SU	0119 0859 1709 2119	0.9 0.4 0.9 0.8	**23** MO	0127 0930 1710	0.8 0.5 1.0
9 MO ◑	0105 0902 1709 2201	0.9 0.3 0.9 0.9	**24** TU	0841 1723	0.4 1.0
10 TU	0038 0918 1726 2219	0.9 0.3 1.0 0.9	**25** WE ◐	0825 1736	0.3 1.0
11 WE	0040 0940 1752 2215	0.9 0.2 1.0 0.9	**26** TH	0835 1746 2210	0.3 1.0 0.9
12 TH	0049 1002 1826 2141	0.9 0.2 0.9 0.9	**27** FR	0014 0858 1758 2103	0.9 0.2 1.0 0.9
13 FR	0103 1024 1924 2058	0.9 0.2 0.9 0.9	**28** SA	0100 0926 1815 2028	1.0 0.1 0.9 0.9
14 SA	0122 1044	1.0 0.2	**29** SU	0138 0957 1834 2029	1.1 0.1 0.9 0.9
15 SU	0144 1056	1.0 0.3	**30** MO	0210 1028 1836 2040	1.1 0.2 0.9 0.9
			31 TU	0239 1057 1814 2100	1.1 0.3 0.8 0.8

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I

56200

PAPUA NEW GUINEA - RABAUL

LAT 4° 12´ S LONG 152° 10´ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

SEPTEMBER

	Time	m		Time	m
1 WE ●	0303 1118 1807 2133	1.0 0.4 0.8 0.8	**16** TH ○	0247 0920 1605 2142	0.9 0.5 0.9 0.7
2 TH	0315 1116 1756 2215	0.9 0.5 0.8 0.8	**17** FR	0310 0907 1554 2224	0.9 0.6 0.9 0.7
3 FR	0245 0949 1728 2301	0.8 0.6 0.9 0.8	**18** SA	0325 0856 1551 2313	0.8 0.6 1.0 0.6
4 SA	0014 0820 1641	0.8 0.6 0.9	**19** SU	0321 0844 1556	0.7 0.6 1.0
5 SU	0742 1616	0.5 1.0	**20** MO	0041 0210 0809 1606	0.6 0.6 0.5 1.1
6 MO	0748 1615	0.4 1.0	**21** TU	0712 1618	0.5 1.1
7 TU	0808 1624	0.3 1.1	**22** WE	0706 1630	0.4 1.1
8 WE ◑	0831 1639	0.3 1.0	**23** TH ◐	0723 1638	0.3 1.1
9 TH	0855 1658 2239	0.3 1.0 0.8	**24** FR	0747 1640 2225 2349	0.3 1.1 0.9 0.9
10 FR	0028 0916 1716 2149	0.8 0.3 1.0 0.8	**25** SA	0815 1642 2129	0.2 1.0 0.9
11 SA	0057 0934 1732 2120	0.9 0.3 0.9 0.8	**26** SU	0055 0845 1642 2118	1.0 0.2 1.0 0.9
12 SU	0119 0946 1738 2057	0.9 0.3 0.9 0.8	**27** MO	0138 0912 1634 2132	1.0 0.3 1.0 0.8
13 MO	0140 0951 1725 2033	1.0 0.4 0.8 0.8	**28** TU	0215 0936 1628 2200	1.0 0.4 1.0 0.8
14 TU	0201 0944 1700 2038	1.0 0.5 0.8 0.8	**29** WE	0251 0951 1625 2240	0.9 0.5 1.0 0.7
15 WE	0224 0930 1631 2105	1.0 0.5 0.8 0.7	**30** TH ●	0327 0939 1615 2331	0.8 0.6 1.0 0.6

OCTOBER

	Time	m		Time	m
1 FR	0403 0811 1600	0.7 0.7 1.0	**16** SA	0359 0726 1459 2338	0.7 0.6 1.1 0.5
2 SA	0046 1544	0.6 1.1	**17** SU	0508 0654 1503	0.6 0.6 1.1
3 SU	0518 1531	0.5 1.1	**18** MO	0036 1515	0.5 1.2
4 MO	0557 1530	0.4 1.1	**19** TU	0230 1528	0.5 1.2
5 TU	0633 1536	0.4 1.1	**20** WE	0444 1541	0.4 1.2
6 WE	0707 1546	0.3 1.1	**21** TH	0540 1551	0.4 1.2
7 TH ◑	0736 1559	0.3 1.1	**22** FR	0621 1553	0.3 1.1
8 FR	0801 1611	0.4 1.1	**23** SA ◐	0657 1547	0.3 1.1
9 SA	0820 1616 2210	0.4 1.0 0.8	**24** SU	0728 1541 2155	0.3 1.1 0.8
10 SU	0013 0832 1616 2130	0.8 0.4 1.0 0.8	**25** MO	0050 0755 1529 2150	0.8 0.4 1.1 0.8
11 MO	0058 0836 1608 2128	0.8 0.5 0.9 0.8	**26** TU	0156 0816 1518 2210	0.8 0.5 1.1 0.7
12 TU	0130 0830 1552 2137	0.9 0.5 0.9 0.7	**27** WE	0258 0827 1513 2242	0.8 0.6 1.1 0.6
13 WE	0201 0817 1531 2154	0.8 0.6 1.0 0.7	**28** TH	0415 0800 1503 2320	0.8 0.7 1.1 0.5
14 TH	0235 0800 1510 2220	0.8 0.6 1.0 0.6	**29** FR ●	1454	1.1
15 FR ○	0313 0742 1500 2255	0.8 0.6 1.0 0.6	**30** SA	0003 1450	0.5 1.2
			31 SU	0055 1449	0.4 1.2

NOVEMBER

	Time	m		Time	m
1 MO	0214 1453	0.4 1.2	**16** TU	0055 1451	0.3 1.3
2 TU	0358 1502	0.4 1.2	**17** WE	0200 1508	0.3 1.2
3 WE	0508 1513	0.4 1.2	**18** TH	0315 1520	0.3 1.2
4 TH	0557 1522	0.4 1.2	**19** FR	0423 1523	0.3 1.2
5 FR	0632 1530	0.4 1.1	**20** SA	0517 1515	0.4 1.1
6 SA ◑	0657 1533	0.5 1.1	**21** SU ◐	0600 1501	0.4 1.1
7 SU	0711 1529	0.5 1.0	**22** MO	0633 1445 2232	0.5 1.1 0.7
8 MO	0714 1517 2220	0.5 1.0 0.7	**23** TU	0156 0657 1427 2224	0.7 0.6 1.1 0.6
9 TU	0033 0709 1500 2155	0.7 0.6 1.0 0.7	**24** WE	0404 0705 1418 2239	0.7 0.7 1.1 0.5
10 WE	0152 0654 1445 2203	0.7 0.6 1.0 0.6	**25** TH	1410 2305	1.1 0.4
11 TH	0257 0622 1425 2224	0.7 0.7 1.1 0.5	**26** FR	1402 2334	1.2 0.3
12 FR	0419 0534 1414 2250	0.7 0.7 1.1 0.4	**27** SA	1404	1.2
13 SA	1413 2323	1.2 0.4	**28** SU ●	0006 1413	0.3 1.2
14 SU ○	1420	1.2	**29** MO	0038 1426	0.3 1.2
15 MO	0004 1434	0.3 1.2	**30** TU	0109 1443	0.3 1.2

DECEMBER

	Time	m		Time	m
1 WE	0141 1502	0.4 1.2	**16** TH	0131 1518	0.2 1.2
2 TH	0215 1516	0.4 1.2	**17** FR	0220 1522	0.3 1.2
3 FR	0256 1522	0.5 1.1	**18** SA	0309 1507	0.4 1.1
4 SA	0351 1520	0.5 1.1	**19** SU	0356 1440	0.5 1.1
5 SU	0212 1510	0.5 1.1	**20** MO ◐	0435 1420 2312	0.6 1.1 0.6
6 MO ◑	0153 1452	0.6 1.0	**21** TU	0351 0456 1351 2221	0.7 0.7 1.1 0.5
7 TU	0128 1428 2314	0.6 1.0 0.6	**22** WE	1334 2223	1.1 0.4
8 WE	1406 2216	1.0 0.5	**23** TH	1330 2239	1.1 0.3
9 TH	1348 2212	1.1 0.5	**24** FR	1329 2301	1.1 0.3
10 FR	1336 2227	1.1 0.4	**25** SA	1332 2326	1.1 0.2
11 SA	1338 2252	1.2 0.3	**26** SU	1348 2350	1.2 0.2
12 SU	1350 2324	1.2 0.2	**27** MO	1410	1.2
13 MO	1411	1.2	**28** TU ●	0012 1435	0.3 1.2
14 TU ○	0001 1436	0.2 1.3	**29** WE	0029 1501	0.3 1.2
15 WE	0045 1500	0.2 1.3	**30** TH	0039 1524	0.4 1.2
			31 FR	0038 1539	0.4 1.2

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I

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Papua New Guinea National Tide Tables 2027.

PAPUA NEW GUINEA - ANEWA BAY

LAT 6° 11´ S LONG 155° 33´ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

JANUARY

	Time	m		Time	m
1 FR	0116 H 0.8 0956 L 1.4		**16** SA ◑	0042 L 0.7 0814 H 1.4 1518 L 1.0 1721 H 1.0	
2 SA	0100 H 0.9 1116 L 1.4 2045 H 0.8		**17** SU	0059 L 0.8 0946 H 1.4 2004 L 0.8	
3 SU	1216 L 1.5 2035 H 0.7		**18** MO	1119 L 1.5 2003 H 0.6	
4 MO	0233 H 1.0 0543 L 0.9 1300 H 1.6 2045 L 0.6		**19** TU	0213 H 1.0 0500 L 1.0 1227 H 1.7 2026 L 0.5	
5 TU	0243 H 1.0 0651 L 0.9 1337 H 1.7 2101 L 0.5		**20** WE	0232 H 1.1 0631 L 0.9 1319 H 1.8 2053 L 0.3	
6 WE	0300 H 1.1 0732 L 0.9 1410 H 1.8 2122 L 0.4		**21** TH	0258 H 1.2 0730 L 0.8 1405 H 1.9 2124 L 0.2	
7 TH	0320 H 1.1 0805 L 0.8 1440 H 1.8 2144 L 0.4		**22** FR ○	0327 H 1.2 0816 L 0.8 1447 H 2.0 2155 L 0.2	
8 FR ●	0340 H 1.2 0833 L 0.8 1507 H 1.8 2205 L 0.4		**23** SA	0357 H 1.3 0859 L 0.7 1527 H 2.0 2225 L 0.2	
9 SA	0400 H 1.2 0900 L 0.8 1533 H 1.9 2227 L 0.4		**24** SU	0428 H 1.4 0938 L 0.7 1603 H 2.0 2252 L 0.3	
10 SU	0421 H 1.3 0927 L 0.8 1600 H 1.8 2248 L 0.4		**25** MO	0458 H 1.4 1015 L 0.7 1636 H 1.9 2315 L 0.4	
11 MO	0445 H 1.3 0957 L 0.8 1625 H 1.8 2311 L 0.5		**26** TU	0527 H 1.5 1052 L 0.7 1702 H 1.7 2332 L 0.5	
12 TU	0514 H 1.3 1029 L 0.8 1649 H 1.7 2334 L 0.5		**27** WE	0554 H 1.5 1127 L 0.8 1720 H 1.5 2341 L 0.6	
13 WE	0545 H 1.4 1104 L 0.9 1714 H 1.6 2358 L 0.6		**28** TH	0620 H 1.5 1203 L 0.9 1723 H 1.3 2340 L 0.7	
14 TH	0623 H 1.4 1146 L 0.9 1735 H 1.4		**29** FR ◐	0648 H 1.4 1249 L 1.0 1658 H 1.1 2328 L 0.7	
15 FR	0021 L 0.6 0708 H 1.4 1247 L 1.0 1750 H 1.2		**30** SA	0730 H 1.4 2240 L 0.8	
			31 SU	0928 H 1.4 2126 L 0.7	

FEBRUARY

	Time	m		Time	m
1 MO	1200 H 1.4 2051 L 0.6		**16** TU	1054 L 1.5 2008 H 0.6	
2 TU	0431 L 1.1 0620 H 1.1 1256 L 1.5 2045 H 0.6		**17** WE	0331 L 1.1 0527 H 1.1 1225 L 1.6 2019 H 0.5	
3 WE	0313 L 1.1 0713 H 1.0 1333 L 1.6 2054 H 0.5		**18** TH	0244 L 1.2 0652 H 1.0 1317 L 1.8 2038 H 0.4	
4 TH	0304 L 1.2 0744 H 0.9 1404 L 1.7 2109 H 0.5		**19** FR	0247 L 1.3 0738 H 0.8 1400 L 1.9 2100 H 0.3	
5 FR	0312 L 1.2 0810 H 0.8 1431 L 1.8 2125 H 0.4		**20** SA	0305 L 1.4 0816 H 0.7 1437 L 2.0 2125 H 0.3	
6 SA	0324 L 1.3 0833 H 0.8 1457 L 1.9 2142 H 0.4		**21** SU ○	0329 L 1.5 0854 H 0.6 1513 L 2.0 2147 H 0.3	
7 SU ●	0339 L 1.4 0859 H 0.7 1521 L 1.9 2159 H 0.4		**22** MO	0353 L 1.6 0930 H 0.6 1545 L 1.9 2209 H 0.4	
8 MO	0357 L 1.4 0925 H 0.7 1545 L 1.8 2216 H 0.4		**23** TU	0418 L 1.6 1003 H 0.6 1613 L 1.7 2225 H 0.5	
9 TU	0418 L 1.5 0954 H 0.7 1609 L 1.8 2235 H 0.5		**24** WE	0442 L 1.7 1036 H 0.6 1634 L 1.6 2236 H 0.6	
10 WE	0443 L 1.5 1025 H 0.7 1633 L 1.7 2254 H 0.5		**25** TH	0502 L 1.7 1107 H 0.7 1648 L 1.4 2241 H 0.6	
11 TH	0509 L 1.6 1059 H 0.7 1656 L 1.5 2311 H 0.6		**26** FR	0522 L 1.6 1137 H 0.8 1650 L 1.2 2239 H 0.7	
12 FR	0537 L 1.6 1136 H 0.8 1715 L 1.4 2323 H 0.6		**27** SA	0540 L 1.6 1211 H 0.9 1634 L 1.1 2229 H 0.7	
13 SA	0608 L 1.5 1221 H 0.9 1720 L 1.2 2327 H 0.7		**28** SU ◐	0600 L 1.5 1300 H 1.0 1540 L 1.1 2200 H 0.7	
14 SU ◑	0646 L 1.5 1350 H 1.0 1638 L 1.0 2305 H 0.8				
15 MO	0807 L 1.4 2026 H 0.8				

MARCH

	Time	m		Time	m
1 MO	0624 L 1.4 2110 H 0.7		**16** TU ◑	0657 L 1.5 1937 H 0.7	
2 TU	1125 L 1.3 2030 H 0.7		**17** WE	1044 L 1.4 1933 H 0.6	
3 WE	0406 L 1.2 0653 H 1.1 1242 L 1.5 2019 H 0.6		**18** TH	0243 L 1.2 0610 H 1.1 1215 L 1.6 1945 H 0.5	
4 TH	0300 L 1.2 0717 H 1.0 1318 L 1.6 2026 H 0.6		**19** FR	0211 L 1.3 0656 H 1.0 1305 L 1.7 2002 H 0.5	
5 FR	0245 L 1.3 0740 H 0.9 1346 L 1.7 2037 H 0.5		**20** SA	0214 L 1.4 0733 H 0.8 1344 L 1.8 2022 H 0.4	
6 SA	0246 L 1.3 0801 H 0.8 1413 L 1.8 2050 H 0.5		**21** SU	0230 L 1.6 0808 H 0.7 1419 L 1.8 2043 H 0.4	
7 SU	0255 L 1.4 0824 H 0.8 1437 L 1.8 2104 H 0.5		**22** MO ○	0252 L 1.7 0843 H 0.6 1453 L 1.8 2102 H 0.5	
8 MO ●	0307 L 1.5 0848 H 0.7 1501 L 1.8 2119 H 0.5		**23** TU	0315 L 1.8 0916 H 0.6 1523 L 1.7 2121 H 0.5	
9 TU	0325 L 1.6 0916 H 0.6 1527 L 1.7 2137 H 0.5		**24** WE	0339 L 1.8 0949 H 0.5 1550 L 1.5 2135 H 0.6	
10 WE	0346 L 1.7 0945 H 0.6 1553 L 1.7 2155 H 0.5		**25** TH	0400 L 1.8 1020 H 0.6 1614 L 1.4 2145 H 0.7	
11 TH	0410 L 1.7 1017 H 0.6 1619 L 1.6 2213 H 0.6		**26** FR	0421 L 1.8 1051 H 0.6 1630 L 1.3 2151 H 0.7	
12 FR	0434 L 1.7 1051 H 0.6 1644 L 1.4 2227 H 0.6		**27** SA	0441 L 1.7 1121 H 0.7 1639 L 1.2 2154 H 0.7	
13 SA	0500 L 1.7 1128 H 0.7 1702 L 1.2 2234 H 0.7		**28** SU	0500 L 1.7 1155 H 0.8 1639 L 1.1 2152 H 0.8	
14 SU	0527 L 1.7 1212 H 0.8 1705 L 1.1 2230 H 0.8		**29** MO	0520 L 1.6 1242 H 0.9 1610 L 1.0 2133 H 0.8	
15 MO	0559 L 1.6 1347 H 0.9 1542 L 1.0 2140 H 0.8		**30** TU ◐	0539 L 1.4 2040 H 0.8	
			31 WE	0521 L 1.3 1934 H 0.8	

APRIL

	Time	m		Time	m
1 TH	0339 L 1.2 0642 H 1.2 1151 L 1.4 1927 H 0.7		**16** FR	0129 H 1.3 0600 L 1.1 1146 H 1.5 1850 L 0.6	
2 FR	0221 L 1.3 0700 H 1.1 1242 L 1.5 1935 H 0.7		**17** SA	0118 H 1.4 0645 L 0.9 1240 H 1.5 1912 L 0.6	
3 SA	0204 L 1.3 0722 H 0.9 1315 L 1.6 1946 H 0.6		**18** SU	0130 H 1.5 0722 L 0.8 1322 H 1.6 1932 L 0.6	
4 SU	0205 L 1.4 0745 H 0.8 1345 L 1.6 2000 H 0.6		**19** MO	0151 H 1.7 0758 L 0.7 1400 H 1.5 1954 L 0.6	
5 MO	0215 L 1.6 0809 H 0.7 1413 L 1.6 2016 H 0.6		**20** TU	0215 H 1.8 0832 L 0.6 1434 H 1.5 2015 L 0.6	
6 TU	0230 L 1.7 0836 H 0.6 1441 L 1.6 2035 H 0.6		**21** WE ○	0240 H 1.8 0907 L 0.5 1507 H 1.4 2034 L 0.7	
7 WE ●	0250 L 1.8 0906 H 0.6 1511 L 1.6 2055 H 0.6		**22** TH	0305 H 1.9 0941 L 0.5 1538 H 1.3 2050 L 0.7	
8 TH	0315 L 1.8 0939 H 0.5 1542 L 1.5 2115 H 0.6		**23** FR	0330 H 1.8 1014 L 0.5 1605 H 1.2 2105 L 0.7	
9 FR	0341 L 1.9 1015 H 0.5 1614 L 1.4 2135 H 0.7		**24** SA	0354 H 1.8 1045 L 0.6 1630 H 1.2 2118 L 0.8	
10 SA	0409 L 1.8 1052 H 0.6 1645 L 1.2 2150 H 0.7		**25** SU	0418 H 1.8 1118 L 0.6 1653 H 1.1 2131 L 0.8	
11 SU	0439 L 1.8 1136 H 0.6 1718 L 1.1 2157 H 0.8		**26** MO	0445 H 1.7 1155 L 0.7 1718 H 1.0 2140 L 0.9	
12 MO	0511 L 1.7 1235 H 0.8 1800 L 1.0 2145 H 0.9		**27** TU	0513 H 1.6 1241 L 0.8 1755 H 1.0 2134 L 0.9	
13 TU	0551 L 1.6 1651 H 0.8		**28** WE	0545 H 1.5 1406 L 0.9	
14 WE ◑	0715 L 1.4 1803 H 0.7		**29** TH ◐	0643 H 1.4 1703 L 0.9	
15 TH	1015 L 1.4 1830 H 0.7		**30** FR	0354 H 1.2 0524 L 1.2 0937 H 1.3 1748 L 0.8	

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I

56340

PAPUA NEW GUINEA - ANEWA BAY

LAT 6° 11´ S LONG 155° 33´ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

MAY

	Time	m		Time	m
1 SA	0116	1.3	**16** SU	0019	1.5
	0627	1.1		0633	0.9
	1131	1.3		1208	1.3
	1815	0.8		1809	0.7
2 SU	0105	1.4	**17** MO	0045	1.6
	0658	1.0		0717	0.8
	1230	1.4		1302	1.3
	1837	0.7		1837	0.7
3 MO	0112	1.5	**18** TU	0114	1.7
	0726	0.8		0757	0.6
	1312	1.4		1347	1.2
	1900	0.7		1904	0.7
4 TU	0129	1.6	**19** WE	0143	1.8
	0755	0.7		0833	0.6
	1348	1.4		1427	1.2
	1924	0.7		1930	0.7
5 WE	0151	1.8	**20** TH ○	0213	1.8
	0827	0.6		0908	0.5
	1425	1.4		1503	1.2
	1949	0.7		1957	0.8
6 TH ●	0217	1.8	**21** FR	0243	1.8
	0901	0.5		0942	0.5
	1501	1.4		1537	1.2
	2015	0.7		2021	0.8
7 FR	0248	1.9	**22** SA	0313	1.8
	0940	0.4		1014	0.5
	1540	1.3		1608	1.1
	2043	0.7		2045	0.8
8 SA	0322	1.9	**23** SU	0342	1.8
	1021	0.4		1045	0.5
	1621	1.2		1637	1.1
	2109	0.8		2111	0.8
9 SU	0359	1.9	**24** MO	0412	1.7
	1108	0.5		1117	0.5
	1706	1.1		1707	1.1
	2133	0.8		2136	0.8
10 MO	0438	1.8	**25** TU	0441	1.7
	1201	0.6		1151	0.6
	1801	1.0		1742	1.1
	2154	0.9		2203	0.9
11 TU	0521	1.7	**26** WE	0512	1.6
	1312	0.7		1229	0.7
	1934	1.0		1829	1.1
	2201	1.0		2231	1.0
12 WE	0615	1.6	**27** TH	0545	1.5
	1451	0.7		1315	0.7
				1945	1.1
				2306	1.0
13 TH ◑	0730	1.4	**28** FR ◐	0626	1.4
	1613	0.7		1418	0.8
	2349	1.2		2159	1.2
14 FR	0343	1.1	**29** SA	0108	1.1
	0920	1.3		0737	1.3
	1702	0.7		1529	0.8
	2357	1.3		2309	1.3
15 SA	0534	1.0	**30** SU	0521	1.1
	1058	1.3		0948	1.2
	1739	0.7		1629	0.8
				2343	1.4
			31 MO	0630	0.9
				1133	1.2
				1716	0.8

JUNE

	Time	m		Time	m
1 TU	0013	1.5	**16** WE	0045	1.6
	0711	0.8		0813	0.6
	1243	1.2		1358	1.0
	1757	0.7		1822	0.8
2 WE	0044	1.6	**17** TH	0123	1.7
	0747	0.6		0845	0.5
	1334	1.2		1436	1.0
	1833	0.7		1906	0.8
3 TH	0117	1.8	**18** FR	0159	1.7
	0825	0.5		0914	0.4
	1419	1.2		1509	1.1
	1911	0.7		1944	0.8
4 FR	0154	1.8	**19** SA ○	0233	1.8
	0905	0.4		0943	0.4
	1503	1.2		1539	1.1
	1948	0.7		2018	0.8
5 SA ●	0233	1.9	**20** SU	0305	1.8
	0947	0.3		1011	0.4
	1547	1.1		1606	1.1
	2028	0.7		2049	0.8
6 SU	0315	1.9	**21** MO	0335	1.8
	1032	0.3		1037	0.4
	1633	1.1		1632	1.1
	2108	0.8		2120	0.8
7 MO	0359	1.9	**22** TU	0404	1.7
	1120	0.4		1104	0.4
	1723	1.1		1700	1.1
	2151	0.8		2151	0.8
8 TU	0444	1.8	**23** WE	0432	1.7
	1208	0.4		1130	0.5
	1818	1.1		1730	1.2
	2237	0.9		2224	0.8
9 WE	0530	1.7	**24** TH	0500	1.6
	1258	0.5		1159	0.5
	1921	1.1		1808	1.2
	2330	0.9		2302	0.9
10 TH	0615	1.6	**25** FR	0529	1.5
	1346	0.6		1230	0.6
	2029	1.2		1854	1.2
				2351	1.0
11 FR ◑	0045	1.0	**26** SA	0559	1.4
	0704	1.4		1304	0.6
	1433	0.7		1954	1.2
	2133	1.3			
12 SA	0254	1.0	**27** SU ◐	0110	1.0
	0807	1.2		0633	1.2
	1518	0.7		1347	0.7
	2230	1.3		2105	1.3
13 SU	0512	1.0	**28** MO	0338	1.0
	0946	1.1		0749	1.1
	1603	0.8		1444	0.7
	2320	1.4		2215	1.4
14 MO	0645	0.8	**29** TU	0619	0.9
	1145	1.0		1042	1.0
	1648	0.8		1550	0.8
				2315	1.5
15 TU	0004	1.5	**30** WE	0714	0.7
	0737	0.7		1238	1.0
	1306	1.0		1655	0.8
	1736	0.8			

JULY

	Time	m		Time	m
1 TH	0007	1.6	**16** FR	0115	1.6
	0752	0.5		0848	0.5
	1340	1.0		1449	1.0
	1756	0.8		1914	0.8
2 FR	0056	1.7	**17** SA	0152	1.7
	0830	0.4		0909	0.4
	1426	1.1		1508	1.1
	1851	0.8		1951	0.8
3 SA	0142	1.8	**18** SU	0226	1.7
	0908	0.3		0930	0.4
	1508	1.1		1528	1.1
	1943	0.7		2023	0.7
4 SU ●	0228	1.9	**19** MO ○	0256	1.7
	0948	0.2		0952	0.4
	1549	1.1		1548	1.2
	2032	0.7		2051	0.7
5 MO	0313	1.9	**20** TU	0323	1.7
	1028	0.2		1014	0.4
	1630	1.2		1610	1.2
	2119	0.7		2120	0.7
6 TU	0357	1.9	**21** WE	0349	1.7
	1105	0.3		1034	0.4
	1711	1.2		1632	1.2
	2205	0.7		2150	0.7
7 WE	0438	1.8	**22** TH	0415	1.7
	1141	0.3		1055	0.4
	1751	1.2		1659	1.3
	2251	0.8		2223	0.7
8 TH	0517	1.7	**23** FR	0440	1.6
	1213	0.4		1117	0.5
	1831	1.3		1729	1.3
	2339	0.8		2259	0.8
9 FR	0552	1.5	**24** SA	0505	1.4
	1238	0.5		1139	0.5
	1914	1.3		1803	1.3
				2342	0.8
10 SA	0034	0.9	**25** SU	0530	1.3
	0620	1.3		1201	0.6
	1257	0.6		1844	1.3
	2001	1.3			
11 SU ◑	0155	0.9	**26** MO	0038	0.9
	0636	1.1		0551	1.1
	1307	0.7		1223	0.6
	2101	1.3		1937	1.3
12 MO	1302	0.8	**27** TU ◐	0218	0.9
	2217	1.4		0602	1.0
				1241	0.7
				2054	1.3
13 TU	0828	0.8	**28** WE	0733	0.8
	2332	1.4		1042	0.8
				1231	0.8
				2228	1.4
14 WE	0820	0.6	**29** TH	0733	0.6
				1354	0.9
				1553	0.9
				2345	1.5
15 TH	0030	1.5	**30** FR	0758	0.5
	0830	0.5		1406	1.0
	1436	0.9		1751	0.9
	1819	0.9			
			31 SA	0045	1.7
				0826	0.3
				1431	1.1
				1858	0.8

AUGUST

	Time	m		Time	m
1 SU	0136	1.8	**16** MO	0212	1.7
	0857	0.2		0902	0.4
	1500	1.1		1502	1.2
	1949	0.7		2017	0.7
2 MO ●	0221	1.9	**17** TU ○	0239	1.7
	0929	0.2		0919	0.4
	1531	1.2		1518	1.3
	2035	0.6		2043	0.6
3 TU	0303	1.9	**18** WE	0303	1.7
	1000	0.2		0936	0.4
	1602	1.3		1536	1.3
	2118	0.6		2110	0.6
4 WE	0343	1.9	**19** TH	0328	1.6
	1029	0.3		0953	0.4
	1635	1.4		1557	1.4
	2200	0.6		2139	0.6
5 TH	0419	1.7	**20** FR	0353	1.6
	1055	0.3		1012	0.4
	1706	1.4		1620	1.5
	2241	0.6		2211	0.6
6 FR	0452	1.6	**21** SA	0417	1.5
	1115	0.4		1030	0.5
	1737	1.4		1645	1.5
	2321	0.7		2245	0.6
7 SA	0517	1.4	**22** SU	0442	1.4
	1128	0.5		1047	0.5
	1806	1.4		1714	1.5
				2323	0.7
8 SU	0004	0.8	**23** MO	0504	1.2
	0531	1.2		1102	0.6
	1130	0.6		1745	1.5
	1838	1.4			
9 MO ◑	0059	0.9	**24** TU	0009	0.7
	0516	1.0		0519	1.1
	1118	0.7		1110	0.7
	1921	1.3		1823	1.4
10 TU	1030	0.7	**25** WE ◐	0128	0.8
	2051	1.3		0506	0.9
				1059	0.7
				1931	1.3
11 WE	0850	0.7	**26** TH	0740	0.7
	2310	1.3		2153	1.3
12 TH	0821	0.6	**27** FR	0726	0.6
	1633	1.0		1518	1.0
	1733	1.0		1613	1.0
				2339	1.5
13 FR	0024	1.4	**28** SA	0741	0.4
	0819	0.5		1409	1.1
	1452	1.0		1815	0.9
	1847	0.9			
14 SA	0108	1.5	**29** SU	0040	1.6
	0830	0.4		0802	0.3
	1441	1.1		1415	1.2
	1923	0.8		1906	0.8
15 SU	0143	1.6	**30** MO	0127	1.7
	0845	0.4		0827	0.3
	1449	1.1		1433	1.3
	1952	0.7		1948	0.6
			31 TU	0208	1.8
				0853	0.2
				1459	1.4
				2029	0.5

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I

56340

PAPUA NEW GUINEA - ANEWA BAY

LAT 6° 11´ S LONG 155° 33´ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

SEPTEMBER

	Time	m		Time	m
1 WE ●	0246	1.8	**16** TH ○	0242	1.6
	0918	0.3		0851	0.4
	1525	1.5		1500	1.5
	2107	0.5		2059	0.5
2 TH	0322	1.7	**17** FR	0307	1.5
	0942	0.3		0908	0.5
	1553	1.6		1520	1.6
	2145	0.5		2128	0.5
3 FR	0355	1.6	**18** SA	0333	1.5
	1001	0.4		0927	0.5
	1619	1.6		1544	1.6
	2222	0.5		2200	0.5
4 SA	0423	1.4	**19** SU	0400	1.4
	1015	0.5		0945	0.5
	1645	1.6		1609	1.6
	2259	0.6		2233	0.5
5 SU	0444	1.2	**20** MO	0426	1.2
	1021	0.6		1000	0.6
	1708	1.5		1635	1.6
	2336	0.7		2311	0.6
6 MO	0452	1.1	**21** TU	0451	1.1
	1017	0.6		1010	0.6
	1730	1.5		1703	1.6
				2357	0.7
7 TU	0018	0.8	**22** WE	0510	1.0
	0433	0.9		1010	0.7
	1002	0.7		1736	1.5
	1753	1.4			
8 WE ◑	0141	0.9	**23** TH ◐	0122	0.8
	0300	0.9		0438	0.8
	0921	0.7		0930	0.8
	1835	1.3		1834	1.4
9 TH	0817	0.7	**24** FR	0636	0.7
	2233	1.2		2136	1.3
10 FR	0746	0.6	**25** SA	0645	0.6
	1529	1.1		1408	1.1
	1823	1.0		1728	1.0
				2328	1.4
11 SA	0006	1.3	**26** SU	0703	0.5
	0744	0.6		1334	1.2
	1424	1.1		1824	0.9
	1853	0.9			
12 SU	0050	1.4	**27** MO	0027	1.5
	0753	0.5		0724	0.4
	1413	1.2		1340	1.3
	1918	0.8		1904	0.7
13 MO	0123	1.5	**28** TU	0111	1.6
	0806	0.5		0746	0.4
	1417	1.3		1359	1.5
	1943	0.7		1942	0.6
14 TU	0150	1.6	**29** WE	0150	1.6
	0821	0.5		0809	0.4
	1428	1.3		1422	1.6
	2006	0.6		2019	0.5
15 WE	0216	1.6	**30** TH ●	0227	1.6
	0836	0.4		0831	0.4
	1442	1.4		1447	1.7
	2031	0.6		2056	0.4

OCTOBER

	Time	m		Time	m
1 FR	0301	1.5	**16** SA	0251	1.4
	0852	0.5		0826	0.5
	1514	1.7		1449	1.7
	2132	0.4		2121	0.4
2 SA	0333	1.4	**17** SU	0322	1.3
	0909	0.5		0847	0.6
	1539	1.7		1515	1.8
	2208	0.4		2156	0.4
3 SU	0402	1.2	**18** MO	0354	1.2
	0921	0.6		0907	0.6
	1603	1.7		1545	1.8
	2244	0.5		2233	0.5
4 MO	0425	1.1	**19** TU	0427	1.1
	0927	0.7		0925	0.7
	1626	1.6		1615	1.7
	2319	0.6		2315	0.5
5 TU	0441	1.0	**20** WE	0504	1.0
	0927	0.7		0935	0.7
	1647	1.6		1647	1.6
	2359	0.7			
6 WE	0443	0.9	**21** TH	0012	0.6
	0920	0.7		0556	0.9
	1709	1.5		0931	0.8
				1727	1.5
7 TH ◑	0059	0.8	**22** FR	0206	0.7
	0402	0.8		1834	1.4
	0849	0.8			
	1733	1.3			
8 FR	0716	0.8	**23** SA ◐	0500	0.7
	1957	1.2		2108	1.3
9 SA	0641	0.7	**24** SU	0543	0.6
	1454	1.1		1256	1.2
	1816	1.1		1728	1.0
	2315	1.3		2300	1.4
10 SU	0647	0.7	**25** MO	0611	0.6
	1345	1.2		1246	1.3
	1843	1.0		1819	0.9
11 MO	0015	1.3	**26** TU	0004	1.4
	0700	0.6		0635	0.5
	1334	1.3		1301	1.5
	1907	0.8		1900	0.7
12 TU	0053	1.4	**27** WE	0052	1.4
	0715	0.6		0700	0.5
	1340	1.4		1324	1.6
	1931	0.7		1937	0.6
13 WE	0125	1.4	**28** TH	0134	1.4
	0731	0.6		0724	0.5
	1350	1.5		1349	1.7
	1956	0.6		2015	0.5
14 TH	0154	1.5	**29** FR ●	0214	1.4
	0748	0.5		0747	0.6
	1406	1.6		1417	1.8
	2022	0.5		2051	0.4
15 FR ○	0222	1.4	**30** SA	0250	1.3
	0806	0.5		0810	0.6
	1426	1.7		1445	1.8
	2050	0.5		2128	0.4
			31 SU	0325	1.2
				0829	0.6
				1513	1.8
				2203	0.4

NOVEMBER

	Time	m		Time	m
1 MO	0357	1.1	**16** TU	0400	1.2
	0845	0.7		0848	0.7
	1540	1.8		1537	1.9
	2239	0.5		2245	0.4
2 TU	0427	1.1	**17** WE	0443	1.1
	0900	0.7		0916	0.7
	1607	1.7		1615	1.8
	2314	0.5		2333	0.5
3 WE	0454	1.0	**18** TH	0533	1.0
	0912	0.8		0943	0.8
	1633	1.6		1656	1.7
	2351	0.6			
4 TH	0524	1.0	**19** FR	0030	0.5
	0921	0.8		0642	1.0
	1701	1.5		1008	0.9
				1741	1.6
5 FR	0036	0.7	**20** SA	0144	0.6
	0610	0.9		0903	1.0
	0915	0.9		1032	1.0
	1732	1.4		1839	1.5
6 SA ◑	0146	0.8	**21** SU ◐	0311	0.7
	1815	1.3		1100	1.1
				1335	1.1
				2009	1.3
7 SU	0401	0.8	**22** MO	0415	0.7
	1524	1.2		1126	1.3
	1730	1.2		1704	1.0
	2045	1.2		2206	1.2
8 MO	0509	0.8	**23** TU	0501	0.7
	1254	1.2		1154	1.4
	1827	1.0		1817	0.9
	2308	1.2		2337	1.2
9 TU	0545	0.7	**24** WE	0538	0.7
	1247	1.4		1223	1.6
	1858	0.9		1907	0.7
10 WE	0015	1.2	**25** TH	0043	1.2
	0612	0.7		0612	0.7
	1257	1.5		1255	1.7
	1924	0.8		1947	0.6
11 TH	0100	1.3	**26** FR	0133	1.2
	0636	0.7		0644	0.7
	1313	1.6		1327	1.8
	1951	0.6		2025	0.5
12 FR	0137	1.3	**27** SA	0216	1.2
	0701	0.6		0715	0.7
	1334	1.7		1359	1.8
	2019	0.5		2100	0.4
13 SA	0212	1.3	**28** SU ●	0254	1.1
	0727	0.6		0745	0.7
	1400	1.8		1431	1.8
	2050	0.4		2133	0.4
14 SU ○	0246	1.3	**29** MO	0330	1.1
	0753	0.6		0814	0.7
	1430	1.9		1503	1.8
	2125	0.4		2206	0.4
15 MO	0322	1.2	**30** TU	0401	1.1
	0821	0.7		0841	0.8
	1501	1.9		1533	1.8
	2203	0.4		2237	0.4

DECEMBER

	Time	m		Time	m
1 WE	0430	1.1	**16** TH	0453	1.2
	0906	0.8		0935	0.8
	1602	1.8		1620	1.9
	2307	0.5		2333	0.4
2 TH	0500	1.1	**17** FR	0538	1.2
	0932	0.8		1018	0.8
	1630	1.7		1700	1.8
	2336	0.5			
3 FR	0530	1.1	**18** SA	0014	0.5
	1000	0.9		0629	1.2
	1657	1.6		1103	0.9
				1740	1.7
4 SA	0007	0.6	**19** SU	0054	0.6
	0607	1.1		0725	1.2
	1029	0.9		1159	1.0
	1724	1.5		1817	1.5
5 SU	0043	0.7	**20** MO ◐	0132	0.7
	0702	1.1		0830	1.3
	1101	1.0		1324	1.1
	1749	1.4		1855	1.3
6 MO ◑	0127	0.7	**21** TU	0212	0.7
	0839	1.1		0943	1.3
	1200	1.1		1629	1.0
	1815	1.3		1949	1.1
7 TU	0229	0.8	**22** WE	0258	0.8
	1043	1.2		1051	1.4
	1845	1.1		1921	0.9
	2007	1.1		2327	1.0
8 WE	0344	0.8	**23** TH	0401	0.9
	1133	1.4		1149	1.5
	1906	0.9		1956	0.7
	2325	1.0			
9 TH	0446	0.8	**24** FR	0122	1.0
	1205	1.5		0516	0.9
	1930	0.8		1236	1.6
				2021	0.6
10 FR	0047	1.1	**25** SA	0208	1.0
	0536	0.8		0618	0.9
	1236	1.6		1316	1.7
	1956	0.6		2046	0.5
11 SA	0135	1.1	**26** SU	0240	1.1
	0619	0.8		0708	0.8
	1309	1.7		1354	1.8
	2025	0.5		2111	0.4
12 SU	0215	1.1	**27** MO	0308	1.1
	0658	0.7		0748	0.8
	1343	1.8		1428	1.8
	2058	0.4		2136	0.4
13 MO	0252	1.2	**28** TU ●	0334	1.1
	0736	0.7		0823	0.8
	1420	1.9		1500	1.9
	2133	0.3		2201	0.4
14 TU ○	0330	1.2	**29** WE	0359	1.2
	0815	0.7		0852	0.8
	1459	2.0		1529	1.9
	2212	0.3		2226	0.4
15 WE	0411	1.2	**30** TH	0422	1.2
	0855	0.7		0920	0.8
	1539	2.0		1556	1.8
	2252	0.3		2248	0.4
			31 FR	0445	1.2
				0947	0.8
				1620	1.8
				2310	0.5

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I

56340

AUSTRALIA, QUEENSLAND - TWIN ISLAND

LAT 10° 28´ S LONG 142° 26´ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

JANUARY

	Time	m		Time	m		Time	m		Time	m
1 FR	0255	0.8	**16** SA ◑	0241	1.2	**1** MO	0357	1.1	**16** TU	0323	1.2
	1024	2.7		1045	2.5		1040	3.2		0959	3.2
	1622	1.5		1825	1.6		1745	0.7		1706	0.6
	2051	2.0		2139	1.7		2254	1.9		2229	2.0
2 SA	0330	0.8	**17** SU	0302	1.1	**2** TU	0418	1.0	**17** WE	0354	0.9
	1035	3.0		1016	2.8		1058	3.3		1016	3.5
	1713	1.2		1701	1.3		1808	0.6		1729	0.5
	2146	1.9		2135	1.7		2310	1.9		2240	2.1
3 SU	0357	0.8	**18** MO	0326	1.0	**3** WE	0433	0.9	**18** TH	0429	0.7
	1053	3.2		1015	3.1		1118	3.3		1044	3.7
	1752	1.0		1713	1.0		1831	0.7		1758	0.3
	2227	1.8		2200	1.8		2324	2.0		2305	2.3
4 MO	0415	0.8	**19** TU	0355	0.8	**4** TH	0443	0.8	**19** FR	0506	0.4
	1115	3.3		1031	3.4		1136	3.3		1117	3.9
	1827	0.9		1742	0.7		1852	0.8		1829	0.3
	2300	1.8		2233	2.0		2337	2.0		2337	2.4
5 TU	0423	0.8	**20** WE	0430	0.6	**5** FR	0453	0.8	**20** SA	0545	0.3
	1137	3.3		1100	3.6		1149	3.2		1154	3.9
	1858	0.9		1815	0.5		1906	1.0		1900	0.3
	2326	1.8		2310	2.1		2351	2.0			
6 WE	0425	0.8	**21** TH	0510	0.4	**6** SA	0504	0.7	**21** SU ○	0012	2.5
	1157	3.3		1135	3.8		1201	3.2		0622	0.3
	1926	1.0		1852	0.4		1915	1.0		1230	3.8
	2345	1.8		2349	2.2					1932	0.4
7 TH	0431	0.7	**22** FR ○	0551	0.3	**7** SU ●	0011	2.1	**22** MO	0047	2.5
	1208	3.2		1215	3.9		0508	0.7		0659	0.5
	1949	1.1		1930	0.4		1216	3.2		1304	3.6
							1928	1.1		2003	0.6
8 FR ●	0003	1.8	**23** SA	0030	2.2	**8** MO	0034	2.1	**23** TU	0124	2.5
	0445	0.7		0632	0.3		0513	0.7		0732	0.8
	1214	3.2		1257	3.9		1233	3.2		1334	3.3
	2007	1.2		2008	0.4		1945	1.1		2033	0.8
9 SA	0023	1.8	**24** SU	0110	2.2	**9** TU	0100	2.1	**24** WE	0159	2.4
	0500	0.7		0712	0.4		0527	0.8		0757	1.3
	1228	3.1		1337	3.7		1247	3.1		1355	2.8
	2017	1.2		2047	0.6		2003	1.2		2058	1.1
10 SU	0045	1.7	**25** MO	0151	2.1	**10** WE	0124	2.0	**25** TH	0233	2.2
	0512	0.7		0748	0.7		0545	1.0		0607	1.6
	1246	3.0		1415	3.5		1256	2.9		1248	2.3
	2033	1.3		2129	0.8		1950	1.3		1843	1.3
11 MO	0107	1.7	**26** TU	0234	2.0	**11** TH	0148	1.9	**26** FR	0310	2.0
	0526	0.8		0618	1.1		0601	1.2		0606	1.8
	1304	2.9		1451	3.0		1248	2.6		0947	2.3
	2100	1.4		2216	1.0		1847	1.3		1831	1.2
12 TU	0116	1.6	**27** WE	0322	1.8	**12** FR	1157	2.4	**27** SA	0952	2.6
	0542	0.9		0619	1.4		1849	1.3		1706	1.0
	1318	2.8		1519	2.5		2339	1.8		2309	1.9
				2324	1.2						
13 WE	0552	1.1	**28** TH	0458	1.7	**13** SA	0201	1.7	**28** SU ◐	0307	1.7
	1326	2.6		0541	1.7		1039	2.4		0957	2.8
				1005	2.2		1831	1.3		1651	0.8
							2316	1.8		2307	2.0
14 TH	0538	1.3	**29** FR ◐	0142	1.3	**14** SU ◑	0233	1.6			
	1234	2.4		1015	2.6		1000	2.6			
	1958	1.6		1701	1.5		1721	1.2			
	2124	1.6		2212	1.7		2306	1.8			
15 FR	0224	1.3	**30** SA	0249	1.2	**15** MO	0258	1.4			
	1124	2.4		1023	2.8		0954	2.9			
	1954	1.6		1707	1.1		1655	0.9			
	2200	1.7		2233	1.8		2241	1.9			
			31 SU	0329	1.2						
				1028	3.0						
				1723	0.8						
				2241	1.8						

FEBRUARY

	Time	m		Time	m		Time	m		Time	m
1 MO	0333	1.6	**16** TU ◑	0244	1.7	**1** TH	0350	1.5	**16** FR	0325	1.2
	1000	3.0		0911	3.0		0941	3.0		0912	3.3
	1700	0.6		1620	0.6		1656	0.7		1630	0.4
	2258	2.0		2232	2.1		2242	2.3		2214	2.5
2 TU	0355	1.4	**17** WE	0314	1.4	**2** FR	0405	1.3	**17** SA	0405	1.0
	1010	3.1		0925	3.2		0957	3.1		0947	3.4
	1716	0.5		1639	0.5		1708	0.7		1657	0.4
	2256	2.1		2224	2.2		2242	2.3		2238	2.7
3 WE	0413	1.2	**18** TH	0345	1.1	**3** SA	0424	1.2	**18** SU	0445	0.9
	1026	3.2		0948	3.5		1015	3.1		1021	3.3
	1735	0.6		1702	0.4		1719	0.8		1723	0.5
	2300	2.1		2230	2.4		2253	2.4		2307	2.8
4 TH	0429	1.1	**19** FR	0420	0.8	**4** SU	0447	1.1	**19** MO	0523	0.9
	1043	3.2		1018	3.6		1035	3.1		1055	3.2
	1754	0.7		1730	0.4		1734	0.8		1748	0.5
	2305	2.2		2252	2.5		2314	2.6		2338	3.0
5 FR	0443	1.0	**20** SA	0456	0.6	**5** MO	0515	1.1	**20** TU	0601	1.0
	1100	3.2		1051	3.7		1059	3.1		1127	3.0
	1808	0.8		1758	0.4		1752	0.8		1809	0.6
	2315	2.2		2321	2.7		2339	2.7			
6 SA	0500	0.9	**21** SU	0532	0.5	**6** TU	0545	1.1	**21** WE ○	0007	3.1
	1115	3.2		1125	3.7		1122	3.0		0639	1.2
	1819	0.9		1826	0.4		1812	0.8		1155	2.7
	2332	2.3		2353	2.8					1824	0.7
7 SU	0517	0.8	**22** MO ○	0609	0.6	**7** WE ●	0007	2.9	**22** TH	0034	3.2
	1132	3.2		1158	3.5		0618	1.2		0717	1.3
	1832	0.9		1852	0.5		1147	2.9		1218	2.4
	2356	2.4					1828	0.8		1707	0.8
8 MO ●	0534	0.8	**23** TU	0026	2.9	**8** TH	0034	3.0	**23** FR	0057	3.1
	1151	3.2		0645	0.8		0654	1.3		0801	1.6
	1849	0.9		1228	3.3		1212	2.7		1230	2.1
				1915	0.7		1708	0.8		1717	0.8
9 TU	0021	2.5	**24** WE	0058	2.9	**9** FR	0101	3.0	**24** SA	0113	3.0
	0522	0.9		0719	1.1		0735	1.5		0951	1.8
	1210	3.1		1252	2.9		1235	2.4		1042	1.8
	1906	1.0		1932	0.9		1723	0.8		1727	0.9
10 WE	0048	2.5	**25** TH	0127	2.8	**10** SA	0130	3.0	**25** SU	0125	2.8
	0524	1.0		0753	1.5		0831	1.7		1714	1.0
	1226	3.0		1257	2.4		1245	2.0			
	1912	1.0		1751	1.0		1739	0.9			
11 TH	0114	2.5	**26** FR	0148	2.7	**11** SU	0206	2.8	**26** MO	0130	2.6
	0545	1.2		0604	1.8		1747	1.1		1611	0.9
	1234	2.7		1132	2.1						
	1757	1.0		1756	1.0						
12 FR	0139	2.5	**27** SA	0157	2.5	**12** MO	0348	2.6	**27** TU	0743	2.4
	0605	1.5		0615	2.1		1529	1.1		1545	0.8
	1209	2.4		0850	2.2					2328	2.3
	1807	1.0		1743	1.0						
13 SA	0206	2.4	**28** SU	0905	2.5	**13** TU	0659	2.7	**28** WE	0302	2.2
	0618	1.8		1634	0.9		1516	0.8		0813	2.5
	1100	2.1		2341	2.2		2219	2.1		1551	0.8
	1810	1.1								2305	2.3
14 SU	0902	2.3	**29** MO	0320	2.1	**14** WE ◑	0143	1.8	**29** TH ◐	0308	2.0
	1743	1.1		0909	2.6		0800	3.0		0830	2.6
	2322	2.0		1619	0.7		1538	0.6		1602	0.8
				2314	2.2		2205	2.2		2248	2.2
15 MO	0209	1.9	**30** TU ◐	0324	1.9	**15** TH	0241	1.5	**30** FR	0318	1.8
	0904	2.7		0915	2.8		0837	3.2		0845	2.7
	1616	0.9		1627	0.6		1603	0.5		1611	0.8
	2252	2.1		2256	2.2		2201	2.3		2233	2.3

MARCH

	Time	m		Time	m		Time	m		Time	m
1 MO	0333	1.6	**16** TU ◑	0244	1.7	**1** TH	0350	1.5	**16** FR	0325	1.2
	1000	3.0		0911	3.0		0941	3.0		0912	3.3
	1700	0.6		1620	0.6		1656	0.7		1630	0.4
	2258	2.0		2232	2.1		2242	2.3		2214	2.5
2 TU	0355	1.4	**17** WE	0314	1.4	**2** FR	0405	1.3	**17** SA	0405	1.0
	1010	3.1		0925	3.2		0957	3.1		0947	3.4
	1716	0.5		1639	0.5		1708	0.7		1657	0.4
	2256	2.1		2224	2.2		2242	2.3		2238	2.7
3 WE	0413	1.2	**18** TH	0345	1.1	**3** SA	0424	1.2	**18** SU	0445	0.9
	1026	3.2		0948	3.5		1015	3.1		1021	3.3
	1735	0.6		1702	0.4		1719	0.8		1723	0.5
	2300	2.1		2230	2.4		2253	2.4		2307	2.8
4 TH	0429	1.1	**19** FR	0420	0.8	**4** SU	0447	1.1	**19** MO	0523	0.9
	1043	3.2		1018	3.6		1035	3.1		1055	3.2
	1754	0.7		1730	0.4		1734	0.8		1748	0.5
	2305	2.2		2252	2.5		2314	2.6		2338	3.0
5 FR	0443	1.0	**20** SA	0456	0.6	**5** MO	0515	1.1	**20** TU	0601	1.0
	1100	3.2		1051	3.7		1059	3.1		1127	3.0
	1808	0.8		1758	0.4		1752	0.8		1809	0.6
	2315	2.2		2321	2.7		2339	2.7			
6 SA	0500	0.9	**21** SU	0532	0.5	**6** TU	0545	1.1	**21** WE ○	0007	3.1
	1115	3.2		1125	3.7		1122	3.0		0639	1.2
	1819	0.9		1826	0.4		1812	0.8		1155	2.7
	2332	2.3		2353	2.8					1824	0.7
7 SU	0517	0.8	**22** MO ○	0609	0.6	**7** WE ●	0007	2.9	**22** TH	0034	3.2
	1132	3.2		1158	3.5		0618	1.2		0717	1.3
	1832	0.9		1852	0.5		1147	2.9		1218	2.4
	2356	2.4					1828	0.8		1707	0.8
8 MO ●	0534	0.8	**23** TU	0026	2.9	**8** TH	0034	3.0	**23** FR	0057	3.1
	1151	3.2		0645	0.8		0654	1.3		0801	1.6
	1849	0.9		1228	3.3		1212	2.7		1230	2.1
				1915	0.7		1708	0.8		1717	0.8
9 TU	0021	2.5	**24** WE	0058	2.9	**9** FR	0101	3.0	**24** SA	0113	3.0
	0522	0.9		0719	1.1		0735	1.5		0951	1.8
	1210	3.1		1252	2.9		1235	2.4		1042	1.8
	1906	1.0		1932	0.9		1723	0.8		1727	0.9
10 WE	0048	2.5	**25** TH	0127	2.8	**10** SA	0130	3.0	**25** SU	0125	2.8
	0524	1.0		0753	1.5		0831	1.7		1714	1.0
	1226	3.0		1257	2.4		1245	2.0			
	1912	1.0		1751	1.0		1739	0.9			
11 TH	0114	2.5	**26** FR	0148	2.7	**11** SU	0206	2.8	**26** MO	0130	2.6
	0545	1.2		0604	1.8		1747	1.1		1611	0.9
	1234	2.7		1132	2.1						
	1757	1.0		1756	1.0						
12 FR	0139	2.5	**27** SA	0157	2.5	**12** MO	0348	2.6	**27** TU	0743	2.4
	0605	1.5		0615	2.1		1529	1.1		1545	0.8
	1209	2.4		0850	2.2					2328	2.3
	1807	1.0		1743	1.0						
13 SA	0206	2.4	**28** SU	0905	2.5	**13** TU	0659	2.7	**28** WE	0302	2.2
	0618	1.8		1634	0.9		1516	0.8		0813	2.5
	1100	2.1		2341	2.2		2219	2.1		1551	0.8
	1810	1.1								2305	2.3
14 SU	0902	2.3	**29** MO	0320	2.1	**14** WE ◑	0143	1.8	**29** TH ◐	0308	2.0
	1743	1.1		0909	2.6		0800	3.0		0830	2.6
	2322	2.0		1619	0.7		1538	0.6		1602	0.8
				2314	2.2		2205	2.2		2248	2.2
15 MO	0209	1.9	**30** TU ◐	0324	1.9	**15** TH	0241	1.5	**30** FR	0318	1.8
	0904	2.7		0915	2.8		0837	3.2		0845	2.7
	1616	0.9		1627	0.6		1603	0.5		1611	0.8
	2252	2.1		2256	2.2		2201	2.3		2233	2.3
			31 WE	0337	1.7						
				0926	2.9						
				1641	0.6						
				2246	2.2						

APRIL

	Time	m		Time	m
1 TH	0350	1.5	**16** FR	0325	1.2
	0941	3.0		0912	3.3
	1656	0.7		1630	0.4
	2242	2.3		2214	2.5
2 FR	0405	1.3	**17** SA	0405	1.0
	0957	3.1		0947	3.4
	1708	0.7		1657	0.4
	2242	2.3		2238	2.7
3 SA	0424	1.2	**18** SU	0445	0.9
	1015	3.1		1021	3.3
	1719	0.8		1723	0.5
	2253	2.4		2307	2.8
4 SU	0447	1.1	**19** MO	0523	0.9
	1035	3.1		1055	3.2
	1734	0.8		1748	0.5
	2314	2.6		2338	3.0
5 MO	0515	1.1	**20** TU	0601	1.0
	1059	3.1		1127	3.0
	1752	0.8		1809	0.6
	2339	2.7			
6 TU	0545	1.1	**21** WE ○	0007	3.1
	1122	3.0		0639	1.2
	1812	0.8		1155	2.7
				1824	0.7
7 WE ●	0007	2.9	**22** TH	0034	3.2
	0618	1.2		0717	1.3
	1147	2.9		1218	2.4
	1828	0.8		1707	0.8
8 TH	0034	3.0	**23** FR	0057	3.1
	0654	1.3		0801	1.6
	1212	2.7		1230	2.1
	1708	0.8		1717	0.8
9 FR	0101	3.0	**24** SA	0113	3.0
	0735	1.5		0951	1.8
	1235	2.4		1042	1.8
	1723	0.8		1727	0.9
10 SA	0130	3.0	**25** SU	0125	2.8
	0831	1.7		1714	1.0
	1245	2.0			
	1739	0.9			
11 SU	0206	2.8	**26** MO	0130	2.6
	1747	1.1		1611	0.9
12 MO	0348	2.6	**27** TU	0743	2.4
	1529	1.1		1545	0.8
				2328	2.3
13 TU	0659	2.7	**28** WE	0302	2.2
	1516	0.8		0813	2.5
	2219	2.1		1551	0.8
				2305	2.3
14 WE ◑	0143	1.8	**29** TH ◐	0308	2.0
	0800	3.0		0830	2.6
	1538	0.6		1602	0.8
	2205	2.2		2248	2.2
15 TH	0241	1.5	**30** FR	0318	1.8
	0837	3.2		0845	2.7
	1603	0.5		1611	0.8
	2201	2.3		2233	2.3

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I

58100

AUSTRALIA, QUEENSLAND - TWIN ISLAND

LAT 10° 28´ S LONG 142° 26´ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

MAY

	Time	m		Time	m
1 SA	0336	1.7	**16** SU	0356	1.3
	0905	2.8		0919	2.9
	1619	0.8		1623	0.6
	2223	2.4		2230	2.8
2 SU	0401	1.5	**17** MO	0442	1.3
	0929	2.8		0958	2.8
	1632	0.8		1649	0.6
	2232	2.6		2300	3.0
3 MO	0433	1.4	**18** TU	0526	1.2
	0956	2.8		1034	2.6
	1651	0.8		1711	0.7
	2254	2.8		2330	3.2
4 TU	0508	1.3	**19** WE	0609	1.3
	1026	2.7		1107	2.4
	1713	0.8		1725	0.7
	2320	3.0		2356	3.3
5 WE	0545	1.3	**20** TH ○	0651	1.3
	1059	2.6		1138	2.2
	1735	0.8		1700	0.8
	2349	3.2			
6 TH ●	0627	1.2	**21** FR	0017	3.3
	1134	2.5		0736	1.3
	1625	0.8		1206	2.0
				1643	0.8
7 FR	0019	3.3	**22** SA	0033	3.2
	0711	1.3		0830	1.4
	1211	2.3		1231	1.8
	1640	0.8		1701	0.8
8 SA	0051	3.4	**23** SU	0048	3.1
	0802	1.3		0954	1.5
	1249	2.1		1254	1.6
	1704	0.8		1715	1.0
9 SU	0129	3.3	**24** MO	0109	2.9
	0915	1.4		1716	1.1
	1334	1.8			
	1730	0.9			
10 MO	0225	3.1	**25** TU	0130	2.7
	1107	1.3		1702	1.1
	1445	1.5			
	1750	1.2			
11 TU	0350	3.0	**26** WE	0145	2.5
	1251	1.1		1519	1.1
12 WE	0524	2.9	**27** TH	0115	2.4
	1401	0.9		0235	2.4
	2139	2.0		0401	2.4
				1515	1.1
13 TH ◑	0027	1.8	**28** FR ◐	0559	2.3
	0646	3.0		1519	1.0
	1446	0.7		2329	2.2
	2134	2.1			
14 FR	0158	1.6	**29** SA	0247	2.1
	0747	3.0		0730	2.4
	1522	0.6		1522	1.0
	2140	2.4		2254	2.3
15 SA	0304	1.4	**30** SU	0315	1.9
	0836	3.0		0812	2.4
	1554	0.6		1532	1.0
	2201	2.6		2217	2.4
			31 MO	0348	1.7
				0847	2.3
				1549	0.9
				2216	2.7

JUNE

	Time	m		Time	m
1 TU	0425	1.6	**16** WE	0551	1.2
	0925	2.3		1033	2.1
	1611	0.9		1637	0.8
	2234	2.9		2328	3.3
2 WE	0504	1.4	**17** TH	0635	1.1
	1004	2.3		1110	2.0
	1636	0.8		1644	0.8
	2300	3.2		2353	3.3
3 TH	0546	1.2	**18** FR	0715	1.1
	1046	2.3		1141	1.9
	1703	0.7		1630	0.8
	2330	3.4			
4 FR	0632	1.1	**19** SA ○	0012	3.3
	1130	2.2		0750	1.1
	1732	0.7		1208	1.9
				1642	0.8
5 SA ●	0006	3.6	**20** SU	0022	3.2
	0721	1.0		0825	1.2
	1215	2.1		1233	1.8
	1800	0.8		1702	0.8
6 SU	0047	3.6	**21** MO	0035	3.1
	0815	0.9		0858	1.3
	1301	2.0		1300	1.7
	1714	0.8		1719	0.9
7 MO	0136	3.5	**22** TU	0058	3.0
	0913	0.9		0934	1.4
	1354	1.9		1325	1.6
	1747	1.0		1731	1.0
8 TU	0231	3.4	**23** WE	0121	2.8
	1015	0.9		1034	1.5
	1455	1.8		1346	1.5
	1819	1.2		1741	1.1
9 WE	0331	3.2	**24** TH	0140	2.7
	1121	0.9		1750	1.2
	1608	1.7			
	1845	1.4			
10 TH	0436	3.1	**25** FR	0153	2.6
	1239	0.9		1429	1.3
	2104	1.8		1544	1.4
	2335	1.7		1739	1.3
11 FR ◑	0547	2.9	**26** SA	0147	2.4
	1351	0.8		1429	1.3
	2123	2.1		2356	2.3
12 SA	0129	1.7	**27** SU ◐	1437	1.2
	0703	2.7		2313	2.3
	1442	0.8			
	2139	2.4			
13 SU	0303	1.6	**28** MO	0334	2.0
	0810	2.5		0443	2.0
	1521	0.8		1454	1.1
	2202	2.7		2216	2.5
14 MO	0408	1.5	**29** TU	0401	1.7
	0905	2.3		0833	1.9
	1553	0.8		1514	1.1
	2230	3.0		2202	2.8
15 TU	0502	1.3	**30** WE	0435	1.4
	0952	2.2		0918	1.9
	1619	0.8		1538	0.9
	2300	3.2		2215	3.1

JULY

	Time	m		Time	m
1 TH	0512	1.2	**16** FR	0634	0.8
	1000	2.0		1117	1.9
	1608	0.8		1630	0.9
	2240	3.4		2342	3.3
2 FR	0552	1.0	**17** SA	0702	0.9
	1043	2.1		1141	1.9
	1645	0.7		1641	0.8
	2315	3.6			
3 SA	0634	0.8	**18** SU	0000	3.2
	1128	2.2		0727	1.0
	1729	0.6		1200	1.9
	2357	3.7		1650	0.8
4 SU ●	0718	0.6	**19** MO ○	0012	3.2
	1213	2.2		0745	1.1
	1814	0.5		1219	2.0
				1703	0.8
5 MO	0042	3.8	**20** TU	0023	3.1
	0801	0.6		0757	1.2
	1300	2.2		1241	1.9
	1858	0.6		1716	0.8
6 TU	0130	3.7	**21** WE	0040	3.0
	0846	0.6		0807	1.3
	1346	2.1		1305	1.9
	1942	0.7		1730	0.9
7 WE	0216	3.6	**22** TH	0057	3.0
	0934	0.7		0823	1.3
	1436	2.0		1330	1.8
	2027	1.0		1745	1.0
8 TH	0302	3.3	**23** FR	0108	2.8
	1028	0.9		0842	1.4
	1531	1.9		1356	1.8
	2118	1.3		1801	1.1
9 FR	0350	3.0	**24** SA	0113	2.7
	1132	1.0		0741	1.5
	1649	1.8		1439	1.7
	2258	1.7		1808	1.4
10 SA	0446	2.5	**25** SU	0048	2.4
	1256	1.0		0725	1.5
	2138	2.2		2330	2.3
11 SU ◑	0200	1.8	**26** MO	0728	1.5
	0622	2.1		1102	1.7
	1407	1.0		1403	1.5
	2155	2.6		2231	2.4
12 MO	0354	1.5	**27** TU ◐	0646	1.5
	0815	1.9		1045	1.6
	1456	1.0		1427	1.4
	2208	2.9		2155	2.6
13 TU	0450	1.2	**28** WE	0507	1.4
	0928	1.9		0950	1.7
	1532	1.0		1451	1.2
	2228	3.1		2145	2.9
14 WE	0529	1.0	**29** TH	0457	1.1
	1014	1.9		0943	1.8
	1600	1.0		1520	1.0
	2252	3.2		2157	3.2
15 TH	0602	0.8	**30** FR	0516	0.9
	1048	1.9		1007	2.0
	1619	0.9		1556	0.8
	2318	3.3		2223	3.5
			31 SA	0546	0.7
				1041	2.1
				1638	0.6
				2300	3.7

AUGUST

	Time	m		Time	m
1 SU	0621	0.5	**16** MO	0645	0.9
	1120	2.3		1138	2.1
	1724	0.4		1652	0.8
	2342	3.9		2344	3.2
2 MO ●	0659	0.4	**17** TU ○	0656	1.0
	1201	2.4		1156	2.2
	1810	0.3		1651	0.8
				2358	3.1
3 TU	0026	3.9	**18** WE	0706	1.1
	0736	0.4		1218	2.2
	1244	2.4		1700	0.8
	1853	0.4			
4 WE	0108	3.8	**19** TH	0013	3.1
	0815	0.5		0719	1.1
	1327	2.4		1244	2.2
	1934	0.6		1716	0.9
5 TH	0148	3.6	**20** FR	0025	3.0
	0854	0.7		0731	1.1
	1411	2.3		1309	2.2
	2015	0.9		1736	1.0
6 FR	0226	3.2	**21** SA	0030	2.8
	0937	0.9		0625	1.2
	1459	2.2		1335	2.1
	2103	1.4		1756	1.3
7 SA	0302	2.7	**22** SU	0023	2.6
	1029	1.1		0624	1.2
	1601	2.0		2355	2.3
	1838	1.8			
8 SU	0331	2.1	**23** MO	0630	1.2
	1148	1.3		1515	2.0
	2128	2.4		1752	1.9
				2231	2.3
9 MO ◑	0415	1.5	**24** TU	0626	1.2
	0947	1.7		1130	1.8
	1343	1.4		1342	1.8
	2146	2.7		2126	2.5
10 TU	0433	1.1	**25** WE ◐	0522	1.2
	1017	1.8		1100	1.8
	1448	1.3		1413	1.6
	2156	3.0		2117	2.7
11 WE	0454	0.8	**26** TH	0430	1.0
	1023	1.8		1026	1.8
	1529	1.2		1441	1.4
	2210	3.1		2119	3.0
12 TH	0517	0.6	**27** FR	0437	0.8
	1033	1.9		1002	1.9
	1558	1.1		1513	1.1
	2230	3.2		2136	3.3
13 FR	0542	0.6	**28** SA	0458	0.6
	1049	2.0		1008	2.1
	1619	1.0		1550	0.8
	2252	3.3		2205	3.6
14 SA	0607	0.7	**29** SU	0526	0.5
	1106	2.1		1032	2.3
	1633	0.9		1632	0.5
	2314	3.3		2241	3.8
15 SU	0629	0.8	**30** MO	0557	0.4
	1122	2.1		1106	2.5
	1645	0.8		1715	0.4
	2330	3.2		2320	3.9
			31 TU	0630	0.4
				1144	2.6
				1759	0.3

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I

58100

AUSTRALIA, QUEENSLAND - TWIN ISLAND

LAT 10° 28′ S LONG 142° 26′ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

SEPTEMBER

	Time	m		Time	m
1 WE ●	0000	3.8	**16** TH ○	0622	0.9
	0703	0.4		1200	2.5
	1223	2.7		1649	1.0
	1840	0.4		2344	3.0
2 TH	0038	3.6	**17** FR	0636	0.9
	0736	0.5		1226	2.6
	1302	2.7		1706	1.1
	1920	0.7		2357	2.8
3 FR	0114	3.3	**18** SA	0530	1.0
	0809	0.7		1251	2.6
	1344	2.6		1728	1.3
	2003	1.1		2357	2.6
4 SA	0145	2.8	**19** SU	0531	0.9
	0840	1.0		1316	2.5
	1427	2.5		1751	1.5
	2058	1.6		2337	2.3
5 SU	0202	2.3	**20** MO	0544	0.9
	0630	1.3		1345	2.4
	1523	2.3		1812	1.8
				2303	2.1
6 MO	0626	1.3	**21** TU	0552	1.0
	2055	2.5		1450	2.3
				1815	2.1
				2020	2.2
7 TU	0411	1.1	**22** WE	0542	1.1
	1030	1.9		2021	2.5
	1345	1.7			
	2115	2.8			
8 WE ◑	0413	0.8	**23** TH ◐	0346	1.0
	1035	2.0		1032	2.0
	1451	1.6		1349	1.8
	2126	2.9		2025	2.8
9 TH	0429	0.6	**24** FR	0346	0.7
	1031	2.0		1006	2.0
	1523	1.4		1427	1.4
	2138	3.1		2042	3.1
10 FR	0448	0.5	**25** SA	0405	0.5
	1030	2.1		0952	2.2
	1547	1.2		1503	1.1
	2155	3.1		2109	3.4
11 SA	0509	0.5	**26** SU	0430	0.4
	1034	2.2		0958	2.3
	1605	1.1		1543	0.9
	2214	3.2		2142	3.6
12 SU	0529	0.7	**27** MO	0458	0.4
	1043	2.2		1021	2.5
	1622	1.0		1624	0.7
	2233	3.2		2217	3.7
13 MO	0545	0.8	**28** TU	0528	0.3
	1056	2.3		1052	2.7
	1640	0.9		1706	0.6
	2251	3.2		2254	3.6
14 TU	0556	0.9	**29** WE	0558	0.4
	1114	2.3		1127	2.8
	1656	0.9		1747	0.6
	2309	3.1		2330	3.5
15 WE	0608	0.9	**30** TH ●	0627	0.4
	1135	2.4		1203	2.9
	1702	0.9		1830	0.8
	2327	3.1			

OCTOBER

	Time	m		Time	m
1 FR	0005	3.2	**16** SA	0547	0.8
	0654	0.6		1212	2.9
	1240	3.0		1837	1.3
	1912	1.0		2346	2.5
2 SA	0038	2.8	**17** SU	0443	0.8
	0717	0.8		1237	3.0
	1316	2.9		1920	1.5
	1959	1.4			
3 SU	0103	2.4	**18** MO	0009	2.2
	0532	1.0		0459	0.7
	1354	2.8		1303	2.9
	2110	1.7			
4 MO	0033	1.9	**19** TU	0516	0.8
	0541	1.0		1339	2.8
	1441	2.6			
5 TU	0535	1.1	**20** WE	0530	1.0
	1648	2.4		1507	2.6
	1811	2.4			
	2001	2.5			
6 WE	0334	0.9	**21** TH	0511	1.1
	1047	2.1		1746	2.7
	1349	2.0			
	2024	2.6			
7 TH ◑	0341	0.6	**22** FR	0239	0.9
	1034	2.2		1000	2.0
	1441	1.8		1252	1.8
	2039	2.8		1915	2.9
8 FR	0357	0.5	**23** SA ◐	0302	0.6
	1027	2.2		0942	2.1
	1507	1.6		1358	1.5
	2055	2.9		2000	3.1
9 SA	0415	0.5	**24** SU	0330	0.4
	1021	2.2		0935	2.3
	1526	1.5		1448	1.3
	2112	3.0		2038	3.3
10 SU	0431	0.6	**25** MO	0359	0.4
	1018	2.3		0947	2.5
	1544	1.3		1534	1.1
	2130	3.0		2116	3.3
11 MO	0445	0.7	**26** TU	0428	0.3
	1022	2.3		1014	2.7
	1604	1.2		1619	1.0
	2150	3.0		2154	3.3
12 TU	0455	0.7	**27** WE	0457	0.4
	1035	2.4		1045	2.9
	1629	1.2		1702	0.9
	2212	3.0		2230	3.1
13 WE	0508	0.8	**28** TH	0524	0.4
	1055	2.6		1117	3.0
	1656	1.2		1745	1.0
	2233	2.9		2306	2.9
14 TH	0524	0.8	**29** FR ●	0549	0.5
	1118	2.7		1149	3.1
	1726	1.2		1830	1.1
	2257	2.8		2340	2.6
15 FR ○	0541	0.8	**30** SA	0609	0.6
	1145	2.8		1221	3.2
	1800	1.3		1915	1.2
	2322	2.7			
			31 SU	0012	2.3
				0446	0.7
				1251	3.2
				2011	1.4

NOVEMBER

	Time	m		Time	m
1 MO	0038	1.9	**16** TU	0030	1.9
	0459	0.8		0443	0.7
	1319	3.0		1304	3.2
	2149	1.5		2053	1.3
2 TU	0049	1.6	**17** WE	0114	1.7
	0514	0.9		0508	0.8
	1345	2.8		1356	3.1
				2233	1.2
3 WE	0508	1.0	**18** TH	0215	1.5
	1519	2.6		0530	1.0
				1515	3.0
4 TH	0258	0.9	**19** FR	0015	1.0
	1808	2.5		0357	1.3
				0535	1.2
				1641	2.9
5 FR	0306	0.7	**20** SA	0127	0.8
	1046	2.2		0936	1.9
	1421	2.1		1148	1.8
	1936	2.5		1808	2.9
6 SA ◑	0323	0.7	**21** SU ◐	0215	0.6
	1038	2.3		0929	2.1
	1446	1.9		1324	1.6
	2006	2.6		1916	2.9
7 SU	0340	0.7	**22** MO	0255	0.5
	1029	2.3		0931	2.3
	1506	1.7		1437	1.5
	2027	2.6		2010	2.9
8 MO	0352	0.7	**23** TU	0329	0.4
	1022	2.3		0948	2.6
	1527	1.6		1534	1.3
	2048	2.6		2056	2.8
9 TU	0400	0.7	**24** WE	0400	0.4
	1018	2.4		1015	2.8
	1552	1.5		1626	1.2
	2113	2.6		2139	2.7
10 WE	0411	0.7	**25** TH	0430	0.4
	1025	2.6		1046	3.1
	1622	1.4		1714	1.1
	2138	2.6		2219	2.5
11 TH	0427	0.7	**26** FR	0455	0.5
	1042	2.8		1117	3.2
	1655	1.4		1802	1.1
	2206	2.5		2257	2.3
12 FR	0445	0.7	**27** SA	0515	0.6
	1104	3.0		1147	3.3
	1731	1.3		1849	1.1
	2238	2.4		2332	2.1
13 SA	0503	0.7	**28** SU ●	0524	0.6
	1130	3.2		1215	3.3
	1811	1.3		1938	1.1
	2313	2.3			
14 SU ○	0408	0.7	**29** MO	0005	1.9
	1159	3.3		0430	0.7
	1855	1.3		1239	3.3
	2350	2.1		2030	1.2
15 MO	0420	0.7	**30** TU	0036	1.7
	1229	3.3		0447	0.7
	1945	1.3		1258	3.1
				2133	1.2

DECEMBER

	Time	m		Time	m
1 WE	0105	1.5	**16** TH	0129	1.8
	0505	0.9		0525	0.8
	1315	3.0		1403	3.4
	2305	1.2		2145	0.9
2 TH	0129	1.3	**17** FR	0223	1.7
	0513	1.0		0554	1.0
	1342	2.7		1458	3.3
				2249	0.9
3 FR	0458	1.0	**18** SA	0328	1.5
	1420	2.5		0616	1.2
				1556	3.0
4 SA	0238	1.0	**19** SU	0008	0.9
	1308	2.3		0932	1.7
	1414	2.3		1045	1.7
	1559	2.4		1703	2.8
5 SU	0256	0.9	**20** MO ◐	0129	0.8
	1129	2.3		0940	2.1
	1448	2.2		1302	1.8
	1738	2.2		1830	2.5
6 MO ◑	0310	0.9	**21** TU	0224	0.7
	1111	2.3		0953	2.4
	1511	2.0		1451	1.6
	1931	2.2		1950	2.4
7 TU	0316	0.8	**22** WE	0305	0.6
	1054	2.4		1006	2.7
	1534	1.9		1600	1.4
	2015	2.2		2054	2.2
8 WE	0324	0.8	**23** TH	0341	0.6
	1035	2.5		1028	3.0
	1600	1.7		1657	1.2
	2049	2.1		2145	2.1
9 TH	0337	0.8	**24** FR	0411	0.6
	1027	2.7		1054	3.3
	1631	1.6		1745	1.0
	2121	2.1		2230	2.0
10 FR	0355	0.7	**25** SA	0437	0.6
	1035	3.0		1122	3.4
	1704	1.4		1827	0.9
	2155	2.0		2308	1.9
11 SA	0415	0.7	**26** SU	0456	0.6
	1053	3.2		1150	3.4
	1741	1.2		1906	0.8
	2232	2.0		2341	1.9
12 SU	0441	0.6	**27** MO	0506	0.7
	1118	3.4		1215	3.4
	1822	1.1		1941	0.9
	2313	2.0			
13 MO	0507	0.6	**28** TU ●	0010	1.8
	1150	3.5		0458	0.7
	1908	1.0		1236	3.3
	2356	2.0		2015	1.0
14 TU ○	0439	0.6	**29** WE	0034	1.7
	1229	3.5		0457	0.7
	1957	0.9		1250	3.2
				2046	1.1
15 WE	0040	1.9	**30** TH	0057	1.7
	0457	0.7		0511	0.8
	1313	3.5		1301	3.0
	2048	0.9		2119	1.2
			31 FR	0117	1.6
				0524	0.9
				1315	2.9
				2201	1.3

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I

58100

AUSTRALIA, QUEENSLAND - BOOBY ISLAND

LAT 10° 36´ S LONG 141° 55´ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

JANUARY

	Time	m		Time	m
1 FR	0443	1.6	**16** SA	0338	1.8
	1128	4.2		1032	4.2
	1828	1.9	◑	1731	2.0
				2258	3.1
2 SA	0000	3.0	**17** SU	0412	2.1
	0517	2.0		1053	4.3
	1155	4.3		1812	1.7
	1922	1.6			
3 SU	0126	2.9	**18** MO	0014	3.1
	0552	2.5		0450	2.4
	1220	4.2		1116	4.3
	2013	1.4		1855	1.3
4 MO	0321	2.9	**19** TU	0134	3.1
	0631	2.9		0530	2.8
	1243	4.1		1145	4.4
	2059	1.2		1942	1.1
5 TU	0617	3.2	**20** WE	0318	3.2
	0730	3.2		0626	3.1
	1305	4.0		1220	4.4
	2144	1.1		2032	0.9
6 WE	0704	3.4	**21** TH	0622	3.4
	0841	3.4		0759	3.4
	1331	3.9		1309	4.4
	2232	1.1		2129	0.8
7 TH	0738	3.6	**22** FR	0706	3.6
	0947	3.5		0914	3.5
	1415	3.8		1415	4.4
	2326	1.1	○	2230	0.7
8 FR	0809	3.7	**23** SA	0742	3.8
	1046	3.5		1016	3.4
	1517	3.8		1533	4.3
●				2351	0.7
9 SA	0020	1.1	**24** SU	0814	3.8
	0838	3.7		1117	3.3
	1140	3.4		1652	4.3
	1616	3.7			
10 SU	0107	1.1	**25** MO	0108	0.8
	0902	3.7		0840	3.9
	1231	3.3		1226	3.1
	1707	3.7		1805	4.2
11 MO	0145	1.1	**26** TU	0155	0.9
	0923	3.7		0900	4.0
	1326	3.2		1401	2.8
	1753	3.6		1914	4.0
12 TU	0214	1.2	**27** WE	0231	1.1
	0939	3.8		0920	4.1
	1424	3.1		1516	2.5
	1841	3.6		2022	3.8
13 WE	0234	1.3	**28** TH	0303	1.4
	0951	3.8		0943	4.2
	1518	2.9		1615	2.2
	1935	3.4		2131	3.5
14 TH	0250	1.4	**29** FR	0334	1.7
	1002	3.9		1008	4.3
	1607	2.7		1707	1.8
	2037	3.3	◐	2244	3.3
15 FR	0311	1.6	**30** SA	0406	2.1
	1015	4.0		1033	4.3
	1651	2.4		1755	1.6
	2145	3.2		2356	3.2
			31 SU	0437	2.5
				1057	4.3
				1839	1.4

FEBRUARY

	Time	m		Time	m
1 MO	0110	3.1	**16** TU	0011	3.3
	0507	2.8		0429	2.7
	1119	4.2		1030	4.4
	1921	1.3		1825	1.1
2 TU	0234	3.1	**17** WE	0123	3.3
	0528	3.1		0511	3.0
	1140	4.1		1104	4.4
	2002	1.2		1915	1.0
3 WE	1200	4.0	**18** TH	0248	3.3
	2047	1.3		0619	3.2
				1149	4.4
				2008	0.9
4 TH	0646	3.5	**19** FR	0549	3.4
	0813	3.4		0752	3.3
	1230	3.9		1250	4.3
	2139	1.3		2105	1.0
5 FR	0715	3.6	**20** SA	0630	3.6
	0914	3.5		0900	3.3
	1330	3.8		1415	4.2
	2254	1.4		2207	1.0
6 SA	0741	3.6	**21** SU	0700	3.7
	1011	3.4		1003	3.2
	1511	3.7		1554	4.1
			○	2349	1.1
7 SU	0009	1.4	**22** MO	0723	3.7
	0804	3.7		1114	2.9
	1114	3.3		1715	4.0
●	1623	3.7			
8 MO	0054	1.4	**23** TU	0053	1.2
	0821	3.7		0742	3.8
	1245	3.2		1315	2.6
	1717	3.6		1824	3.9
9 TU	0126	1.4	**24** WE	0131	1.4
	0832	3.7		0759	3.9
	1345	3.0		1416	2.2
	1808	3.6		1930	3.8
10 WE	0147	1.5	**25** TH	0202	1.7
	0840	3.7		0819	4.0
	1429	2.8		1505	1.9
	1901	3.5		2037	3.7
11 TH	0202	1.6	**26** FR	0231	1.9
	0847	3.8		0843	4.1
	1510	2.5		1551	1.6
	1959	3.4		2143	3.5
12 FR	0216	1.8	**27** SA	0302	2.2
	0859	3.9		0909	4.2
	1547	2.2		1634	1.4
	2100	3.4		2245	3.5
13 SA	0241	2.0	**28** SU	0335	2.5
	0915	4.1		0936	4.2
	1624	1.9		1715	1.2
	2201	3.4	◐	2345	3.4
14 SU	0314	2.2			
	0936	4.2			
	1700	1.6			
◑	2305	3.4			
15 MO	0350	2.5			
	1001	4.3			
	1740	1.3			

MARCH

	Time	m		Time	m
1 MO	0410	2.7	**16** TU	0339	2.7
	1002	4.1		0918	4.2
	1755	1.2	◑	1714	0.9
2 TU	0043	3.4	**17** WE	0009	3.5
	0447	2.9		0423	2.9
	1028	4.0		0956	4.2
	1834	1.2		1801	0.9
3 WE	0143	3.3	**18** TH	0112	3.4
	0532	3.1		0519	3.0
	1052	3.9		1041	4.1
	1915	1.3		1853	0.9
4 TH	0254	3.3	**19** FR	0220	3.4
	0642	3.2		0640	3.1
	1118	3.8		1137	4.0
	1959	1.4		1945	1.0
5 FR	0553	3.3	**20** SA	0336	3.4
	0746	3.3		0752	3.0
	1155	3.7		1257	3.8
	2046	1.5		2040	1.1
6 SA	0623	3.4	**21** SU	0452	3.5
	0845	3.3		0857	2.9
	1316	3.5		1453	3.7
	2145	1.5		2137	1.3
7 SU	0643	3.4	**22** MO	0534	3.6
	0945	3.2		1010	2.6
	1523	3.4		1624	3.6
	2334	1.6	○	2251	1.5
8 MO	0655	3.5	**23** TU	0600	3.6
	1213	3.0		1224	2.2
	1634	3.4		1739	3.6
●					
9 TU	0020	1.7	**24** WE	0018	1.7
	0704	3.5		0623	3.7
	1257	2.7		1316	1.8
	1733	3.4		1850	3.6
10 WE	0051	1.8	**25** TH	0057	2.0
	0711	3.6		0645	3.8
	1333	2.4		1400	1.5
	1830	3.4		1957	3.6
11 TH	0112	1.9	**26** FR	0128	2.2
	0717	3.6		0711	3.9
	1409	2.1		1441	1.2
	1926	3.5		2057	3.6
12 FR	0129	2.1	**27** SA	0200	2.4
	0730	3.8		0739	3.9
	1445	1.8		1519	1.1
	2023	3.5		2151	3.6
13 SA	0151	2.2	**28** SU	0237	2.6
	0751	3.9		0811	3.9
	1518	1.5		1557	1.0
	2118	3.5		2242	3.6
14 SU	0223	2.4	**29** MO	0315	2.7
	0815	4.0		0843	3.8
	1554	1.3		1634	1.0
	2214	3.6		2329	3.5
15 MO	0300	2.6	**30** TU	0354	2.8
	0845	4.1		0915	3.8
	1630	1.1		1713	1.0
	2310	3.5	◐		
			31 WE	0014	3.5
				0436	2.9
				0945	3.7
				1751	1.1

APRIL

	Time	m		Time	m
1 TH	0100	3.4	**16** FR	0054	3.5
	0526	3.0		0538	2.8
	1015	3.6		1038	3.7
	1830	1.2		1830	0.9
2 FR	0148	3.3	**17** SA	0147	3.5
	0625	3.0		0650	2.7
	1047	3.4		1154	3.4
	1911	1.3		1920	1.1
3 SA	0243	3.3	**18** SU	0239	3.5
	0724	3.0		0758	2.5
	1137	3.2		1347	3.2
	1952	1.5		2010	1.4
4 SU	0341	3.3	**19** MO	0327	3.5
	0823	2.9		0915	2.2
	1335	3.1		1527	3.2
	2034	1.7		2102	1.7
5 MO	0428	3.3	**20** TU	0407	3.5
	1108	2.7		1118	1.8
	1526	3.0		1655	3.2
	2120	1.8		2200	2.0
6 TU	0455	3.3	**21** WE	0440	3.6
	1153	2.3		1212	1.4
	1644	3.1		1819	3.3
	2211	2.0	○	2312	2.3
7 WE	0514	3.4	**22** TH	0508	3.6
	1229	2.0		1255	1.1
	1755	3.2		1927	3.4
●	2338	2.2			
8 TH	0532	3.5	**23** FR	0012	2.5
	1303	1.6		0536	3.6
	1858	3.3		1332	0.9
				2021	3.5
9 FR	0021	2.3	**24** SA	0055	2.6
	0554	3.6		0608	3.6
	1337	1.3		1408	0.8
	1954	3.4		2109	3.5
10 SA	0056	2.5	**25** SU	0135	2.7
	0619	3.7		0642	3.6
	1412	1.1		1444	0.7
	2045	3.5		2152	3.6
11 SU	0130	2.6	**26** MO	0215	2.7
	0649	3.8		0719	3.5
	1448	0.9		1521	0.8
	2135	3.6		2231	3.5
12 MO	0208	2.7	**27** TU	0255	2.7
	0724	3.9		0757	3.5
	1526	0.7		1559	0.8
	2224	3.6		2309	3.5
13 TU	0248	2.7	**28** WE	0336	2.7
	0805	3.9		0834	3.4
	1608	0.7		1636	0.9
	2313	3.6		2345	3.5
14 WE	0333	2.8	**29** TH	0422	2.7
	0850	3.9		0909	3.3
	1653	0.7	◐	1712	1.0
◑					
15 TH	0002	3.6	**30** FR	0022	3.4
	0428	2.8		0514	2.7
	0940	3.8		1636	3.1
	1742	0.7		1746	1.1

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I

58230

* TRANSMITTING GAUGE, SEE PAGE

AUSTRALIA, QUEENSLAND - BOOBY ISLAND

LAT 10° 36´ S LONG 141° 55´ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

MAY

	Time	m		Time	m
1 SA	0059	3.3	**16** SU	0106	3.5
	0612	2.7		0702	2.1
	1033	3.0		1240	2.9
	1820	1.3		1852	1.3
2 SU	0136	3.3	**17** MO	0147	3.5
	0709	2.5		0815	1.8
	1149	2.8		1416	2.8
	1856	1.5		1939	1.7
3 MO	0212	3.3	**18** TU	0225	3.5
	0809	2.3		0946	1.4
	1345	2.7		1556	2.8
	1935	1.7		2029	2.1
4 TU	0245	3.3	**19** WE	0300	3.5
	1015	2.0		1052	1.1
	1524	2.7		1742	3.0
	2020	2.0		2126	2.4
5 WE	0315	3.4	**20** TH ○	0333	3.5
	1104	1.6		1140	0.8
	1707	2.8		1852	3.2
	2112	2.3		2233	2.7
6 TH ●	0344	3.4	**21** FR	0405	3.4
	1143	1.3		1221	0.7
	1826	3.1		1946	3.3
	2214	2.5		2337	2.8
7 FR	0413	3.5	**22** SA	0440	3.4
	1220	1.0		1259	0.6
	1923	3.3		2031	3.4
	2326	2.7			
8 SA	0444	3.6	**23** SU	0028	2.8
	1258	0.7		0517	3.4
	2014	3.4		1335	0.6
				2111	3.4
9 SU	0022	2.7	**24** MO	0111	2.8
	0519	3.6		0558	3.3
	1338	0.5		1415	0.6
	2100	3.5		2145	3.4
10 MO	0107	2.8	**25** TU	0153	2.7
	0601	3.7		0639	3.2
	1421	0.4		1453	0.7
	2145	3.6		2216	3.4
11 TU	0150	2.7	**26** WE	0235	2.6
	0650	3.7		0722	3.2
	1505	0.4		1530	0.7
	2226	3.6		2246	3.4
12 WE	0236	2.7	**27** TH	0321	2.6
	0745	3.7		0803	3.1
	1551	0.4		1603	0.8
	2305	3.6		2315	3.4
13 TH ◑	0331	2.6	**28** FR ◐	0412	2.5
	0845	3.6		0847	3.0
	1637	0.5		1632	0.9
	2345	3.5		2342	3.4
14 FR	0440	2.5	**29** SA	0508	2.4
	0949	3.4		0939	2.8
	1722	0.7		1700	1.1
15 SA	0026	3.5	**30** SU	0008	3.4
	0554	2.4		0602	2.3
	1104	3.2		1044	2.6
	1807	0.9		1728	1.3
			31 MO	0033	3.4
				0653	2.0
				1209	2.5
				1801	1.5

JUNE

	Time	m		Time	m
1 TU	0058	3.4	**16** WE	0125	3.5
	0741	1.7		0906	0.9
	1342	2.5		1635	2.7
	1843	1.9		2001	2.4
2 WE	0125	3.4	**17** TH	0157	3.5
	0828	1.3		1001	0.7
	1520	2.6		1809	2.9
	1933	2.2		2103	2.7
3 TH	0154	3.4	**18** FR	0230	3.4
	0915	1.0		1052	0.6
	1732	2.8		1907	3.1
	2033	2.5		2209	2.8
4 FR	0226	3.5	**19** SA ○	0310	3.3
	1009	0.7		1141	0.6
	1838	3.1		1952	3.3
	2143	2.7		2309	2.8
5 SA ●	0303	3.5	**20** SU	0356	3.2
	1109	0.5		1229	0.6
	1931	3.3		2030	3.3
	2251	2.8			
6 SU	0348	3.6	**21** MO	0000	2.8
	1211	0.4		0445	3.2
	2019	3.4		1315	0.6
	2349	2.8		2101	3.3
7 MO	0440	3.6	**22** TU	0048	2.7
	1309	0.3		0532	3.1
	2102	3.5		1357	0.7
				2130	3.3
8 TU	0040	2.8	**23** WE	0134	2.6
	0538	3.6		0619	3.1
	1403	0.2		1434	0.7
	2140	3.5		2154	3.3
9 WE	0131	2.7	**24** TH	0225	2.5
	0641	3.6		0705	3.0
	1453	0.2		1505	0.8
	2213	3.5		2215	3.3
10 TH	0230	2.5	**25** FR	0319	2.4
	0748	3.5		0753	2.9
	1537	0.3		1530	0.9
	2243	3.5		2235	3.3
11 FR ◑	0341	2.4	**26** SA	0415	2.3
	0859	3.3		0847	2.7
	1619	0.5		1551	1.0
	2315	3.6		2253	3.3
12 SA	0457	2.1	**27** SU ◐	0503	2.0
	1013	3.1		0948	2.6
	1700	0.8		1613	1.2
	2347	3.6		2311	3.4
13 SU	0604	1.8	**28** MO	0546	1.8
	1133	2.8		1058	2.5
	1740	1.2		1641	1.4
				2329	3.5
14 MO	0021	3.6	**29** TU	0626	1.5
	0707	1.4		1212	2.5
	1259	2.7		1715	1.7
	1822	1.6		2350	3.5
15 TU	0054	3.6	**30** WE	0705	1.1
	0808	1.1		1331	2.5
	1430	2.6		1758	2.1
	1909	2.0			

JULY

	Time	m		Time	m
1 TH	0015	3.5	**16** FR	0050	3.4
	0746	0.8		0909	0.6
	1507	2.6		1816	3.0
	1854	2.4		2044	2.8
2 FR	0044	3.5	**17** SA	0124	3.3
	0831	0.6		1000	0.6
	1735	2.8		1902	3.1
	2005	2.7		2144	2.8
3 SA	0122	3.6	**18** SU	0223	3.1
	0923	0.4		1105	0.7
	1841	3.1		1940	3.2
	2118	2.8		2242	2.8
4 SU ●	0214	3.6	**19** MO ○	0336	3.1
	1021	0.3		1214	0.7
	1930	3.2		2012	3.2
	2222	2.8		2340	2.7
5 MO	0316	3.6	**20** TU	0438	3.0
	1132	0.2		1305	0.7
	2011	3.3		2039	3.2
	2320	2.8			
6 TU	0427	3.6	**21** WE	0043	2.6
	1256	0.2		0530	3.0
	2045	3.4		1344	0.8
				2100	3.2
7 WE	0018	2.6	**22** TH	0146	2.5
	0540	3.6		0619	3.0
	1354	0.2		1415	0.8
	2115	3.4		2115	3.2
8 TH	0123	2.5	**23** FR	0238	2.3
	0651	3.5		0708	2.9
	1439	0.3		1438	0.9
	2139	3.4		2129	3.2
9 FR	0245	2.2	**24** SA	0324	2.1
	0802	3.3		0801	2.8
	1518	0.5		1454	1.1
	2204	3.5		2141	3.3
10 SA	0359	1.9	**25** SU	0405	1.9
	0914	3.1		0900	2.7
	1554	0.8		1511	1.3
	2231	3.6		2154	3.3
11 SU ◑	0500	1.5	**26** MO	0444	1.6
	1028	2.9		1000	2.6
	1630	1.2		1533	1.5
	2300	3.7		2210	3.4
12 MO	0556	1.2	**27** TU ◐	0519	1.3
	1144	2.8		1101	2.6
	1710	1.6		1603	1.7
	2330	3.7		2230	3.5
13 TU	0647	0.9	**28** WE	0554	1.0
	1302	2.7		1207	2.6
	1752	2.0		1640	2.0
	2358	3.6		2252	3.6
14 WE	0736	0.7	**29** TH	0631	0.8
	1432	2.6		1317	2.7
	1842	2.3		1722	2.3
				2319	3.6
15 TH	0024	3.5	**30** FR	0715	0.6
	0822	0.6		1445	2.7
	1652	2.8		1820	2.6
	1941	2.6		2353	3.6
			31 SA	0803	0.4
				1731	2.9
				1946	2.8

AUGUST

	Time	m		Time	m
1 SU	0041	3.6	**16** MO	0204	3.0
	0857	0.4		1030	0.9
	1830	3.0		1910	3.1
	2057	2.8		2222	2.7
2 MO ●	0148	3.6	**17** TU ○	0340	2.9
	0956	0.3		1158	0.9
	1910	3.2		1935	3.1
	2159	2.8			
3 TU	0312	3.5	**18** WE	0019	2.6
	1112	0.4		0444	2.9
	1942	3.2		1245	0.9
	2300	2.6		1953	3.1
4 WE	0438	3.5	**19** TH	0112	2.4
	1249	0.4		0539	2.9
	2008	3.3		1319	1.0
				2004	3.1
5 TH	0013	2.4	**20** FR	0150	2.2
	0555	3.5		0630	2.9
	1339	0.5		1345	1.1
	2029	3.4		2014	3.1
6 FR	0154	2.1	**21** SA	0228	1.9
	0705	3.4		0722	2.8
	1417	0.7		1404	1.3
	2049	3.5		2023	3.2
7 SA	0259	1.7	**22** SU	0304	1.7
	0815	3.2		0816	2.8
	1450	1.0		1419	1.5
	2113	3.6		2034	3.3
8 SU	0353	1.3	**23** MO	0340	1.4
	0926	3.1		0912	2.8
	1523	1.3		1438	1.7
	2140	3.6		2050	3.4
9 MO ◑	0444	1.0	**24** TU	0414	1.2
	1036	2.9		1006	2.8
	1559	1.6		1505	1.9
	2208	3.7		2111	3.5
10 TU	0531	0.8	**25** WE ◐	0447	0.9
	1145	2.9		1102	2.9
	1637	2.0		1539	2.1
	2235	3.6		2135	3.6
11 WE	0616	0.6	**26** TH	0522	0.7
	1254	2.8		1200	2.9
	1721	2.3		1616	2.3
	2302	3.6		2203	3.6
12 TH	0659	0.6	**27** FR	0602	0.6
	1409	2.8		1305	2.9
	1817	2.5		1700	2.5
	2328	3.4		2237	3.7
13 FR	0741	0.6	**28** SA	0649	0.5
	1612	2.8		1422	2.9
	1919	2.7		1808	2.7
	2353	3.3		2321	3.6
14 SA	0826	0.7	**29** SU	0740	0.5
	1757	3.0		1638	2.9
	2019	2.8		1934	2.8
15 SU	0026	3.1	**30** MO	0022	3.5
	0916	0.8		0834	0.5
	1837	3.0		1749	3.0
	2117	2.8		2042	2.7
			31 TU	0148	3.4
				0932	0.6
				1822	3.1
				2145	2.5

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I **58230** * TRANSMITTING GAUGE, SEE PAGE

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AUSTRALIA, QUEENSLAND - BOOBY ISLAND

LAT 10° 36´ S LONG 141° 55´ E

TIME ZONE -1000 **TIMES AND HEIGHTS OF HIGH AND LOW WATERS** YEAR 2027

SEPTEMBER

	Time	m		Time	m
1 WE ●	0334	3.4	**16** TH ○	0019	2.3
	1044	0.7		0449	2.8
	1845	3.2		1206	1.4
	2300	2.3		1833	3.1
2 TH	0500	3.4	**17** FR	0053	2.0
	1227	0.8		0550	2.8
	1904	3.3		1241	1.5
				1843	3.1
3 FR	0101	1.9	**18** SA	0127	1.7
	0612	3.3		0647	2.9
	1311	1.0		1307	1.7
	1924	3.4		1852	3.2
4 SA	0157	1.5	**19** SU	0200	1.5
	0722	3.3		0742	2.9
	1345	1.3		1329	1.8
	1946	3.5		1905	3.3
5 SU	0245	1.1	**20** MO	0233	1.2
	0831	3.2		0833	3.0
	1415	1.6		1349	2.0
	2012	3.6		1924	3.3
6 MO	0331	0.8	**21** TU	0307	1.0
	0937	3.1		0924	3.1
	1449	1.9		1415	2.1
	2041	3.6		1947	3.4
7 TU	0415	0.6	**22** WE	0341	0.8
	1039	3.1		1013	3.1
	1527	2.1		1446	2.3
	2112	3.6		2015	3.5
8 WE ◑	0458	0.5	**23** TH ◐	0415	0.7
	1137	3.1		1102	3.2
	1607	2.3		1523	2.4
	2143	3.5		2047	3.6
9 TH	0539	0.5	**24** FR	0453	0.6
	1233	3.0		1155	3.1
	1655	2.5		1604	2.5
	2214	3.4		2126	3.6
10 FR	0620	0.6	**25** SA	0537	0.5
	1330	3.0		1251	3.1
	1753	2.6		1658	2.7
	2243	3.3		2211	3.6
11 SA	0700	0.7	**26** SU	0625	0.5
	1437	2.9		1353	3.1
	1856	2.7		1817	2.7
	2311	3.1		2308	3.5
12 SU	0744	0.9	**27** MO	0715	0.6
	1647	2.9		1458	3.1
	1956	2.7		1931	2.6
	2350	3.0			
13 MO	0830	1.0	**28** TU	0028	3.3
	1742	3.0		0807	0.8
	2058	2.7		1600	3.1
				2038	2.4
14 TU	0213	2.8	**29** WE	0225	3.1
	0925	1.1		0901	1.0
	1807	3.0		1646	3.2
	2337	2.5		2154	2.2
15 WE	0342	2.8	**30** TH ●	0401	3.1
	1114	1.3		1000	1.3
	1822	3.1		1718	3.3

OCTOBER

	Time	m		Time	m
1 FR	0000	1.7	**16** SA	0017	1.5
	0521	3.2		0615	2.9
	1120	1.5		1134	2.2
	1745	3.4		1707	3.3
2 SA	0053	1.3	**17** SU	0050	1.2
	0639	3.2		0713	3.0
	1226	1.8		1216	2.3
	1811	3.5		1728	3.4
3 SU	0137	1.0	**18** MO	0123	1.0
	0749	3.3		0802	3.2
	1304	2.0		1248	2.4
	1838	3.6		1750	3.4
4 MO	0219	0.7	**19** TU	0157	0.8
	0850	3.3		0849	3.3
	1340	2.2		1319	2.5
	1909	3.6		1817	3.5
5 TU	0300	0.6	**20** WE	0231	0.7
	0945	3.3		0934	3.4
	1419	2.4		1352	2.6
	1943	3.6		1849	3.6
6 WE	0340	0.5	**21** TH	0306	0.6
	1034	3.4		1017	3.4
	1500	2.5		1429	2.7
	2019	3.5		1928	3.6
7 TH ◑	0419	0.5	**22** FR	0345	0.5
	1120	3.3		1100	3.4
	1544	2.6		1510	2.7
	2056	3.4		2013	3.6
8 FR	0500	0.6	**23** SA ◐	0426	0.5
	1205	3.3		1144	3.4
	1633	2.6		1600	2.7
	2130	3.3		2103	3.6
9 SA	0539	0.7	**24** SU	0512	0.6
	1249	3.2		1229	3.4
	1732	2.7		1710	2.7
	2202	3.1		2203	3.4
10 SU	0617	0.9	**25** MO	0559	0.7
	1334	3.2		1315	3.4
	1836	2.7		1827	2.6
	2236	3.0		2319	3.2
11 MO	0656	1.1	**26** TU	0646	0.9
	1423	3.1		1402	3.4
	1940	2.6		1937	2.3
	2342	2.8			
12 TU	0735	1.3	**27** WE	0110	3.0
	1512	3.1		0735	1.2
	2213	2.5		1447	3.5
				2054	2.0
13 WE	0209	2.6	**28** TH	0257	2.9
	0815	1.5		0825	1.6
	1554	3.1		1528	3.5
	2310	2.2		2247	1.6
14 TH	0340	2.6	**29** FR ●	0430	3.0
	0859	1.7		0919	2.0
	1624	3.2		1602	3.6
	2345	1.9		2343	1.2
15 FR ○	0503	2.7	**30** SA	0605	3.1
	0949	2.0		1020	2.3
	1647	3.2		1633	3.6
			31 SU	0027	0.9
				0716	3.3
				1128	2.6
				1704	3.6

NOVEMBER

	Time	m		Time	m
1 MO	0107	0.7	**16** TU	0039	0.7
	0814	3.5		0815	3.5
	1224	2.7		1159	3.0
	1737	3.7		1645	3.7
2 TU	0145	0.6	**17** WE	0116	0.6
	0902	3.5		0859	3.6
	1309	2.8		1245	3.0
	1814	3.6		1725	3.8
3 WE	0223	0.6	**18** TH	0156	0.5
	0945	3.6		0939	3.7
	1352	2.8		1327	3.0
	1852	3.6		1810	3.8
4 TH	0302	0.6	**19** FR	0237	0.5
	1024	3.6		1015	3.7
	1436	2.8		1411	3.0
	1932	3.5		1901	3.8
5 FR	0342	0.7	**20** SA	0319	0.5
	1100	3.6		1047	3.7
	1522	2.8		1502	2.9
	2011	3.3		2000	3.7
6 SA ◑	0419	0.8	**21** SU ◐	0401	0.6
	1133	3.5		1120	3.7
	1616	2.8		1608	2.8
	2049	3.2		2105	3.5
7 SU	0455	0.9	**22** MO	0445	0.8
	1207	3.5		1156	3.8
	1720	2.7		1726	2.6
	2128	3.0		2221	3.3
8 MO	0528	1.1	**23** TU	0529	1.0
	1241	3.5		1232	3.8
	1827	2.6		1838	2.3
	2219	2.8		2355	3.0
9 TU	0600	1.3	**24** WE	0614	1.4
	1314	3.5		1310	3.9
	1937	2.5		1949	1.9
10 WE	0000	2.6	**25** TH	0138	2.9
	0632	1.6		0700	1.8
	1346	3.5		1346	3.9
	2125	2.2		2109	1.5
11 TH	0156	2.5	**26** FR	0319	2.9
	0708	1.9		0748	2.3
	1417	3.5		1421	3.9
	2215	1.9		2215	1.2
12 FR	0342	2.6	**27** SA	0525	3.1
	0749	2.2		0844	2.7
	1446	3.5		1455	3.9
	2254	1.5		2307	0.9
13 SA	0530	2.8	**28** SU ●	0643	3.3
	0840	2.5		0945	3.0
	1514	3.5		1530	3.8
	2329	1.2		2352	0.7
14 SU ○	0634	3.1	**29** MO	0740	3.5
	0941	2.8		1051	3.1
	1542	3.6		1607	3.8
15 MO	0003	0.9	**30** TU	0032	0.7
	0727	3.3		0826	3.6
	1057	2.9		1150	3.2
	1612	3.7		1647	3.8

DECEMBER

	Time	m		Time	m
1 WE	0112	0.7	**16** TH	0038	0.6
	0905	3.7		0856	3.8
	1240	3.1		1208	3.3
	1730	3.7		1659	4.1
2 TH	0152	0.7	**17** FR	0130	0.6
	0939	3.7		0929	3.8
	1327	3.1		1300	3.2
	1813	3.6		1759	4.0
3 FR	0231	0.8	**18** SA	0216	0.6
	1008	3.7		0955	3.9
	1415	3.0		1357	3.1
	1855	3.5		1903	3.9
4 SA	0308	0.9	**19** SU	0258	0.7
	1034	3.7		1018	3.9
	1507	2.9		1506	2.9
	1937	3.3		2013	3.7
5 SU	0341	1.0	**20** MO ◐	0337	0.9
	1100	3.7		1045	4.0
	1610	2.9		1625	2.6
	2022	3.2		2127	3.5
6 MO ◑	0409	1.2	**21** TU	0416	1.1
	1123	3.8		1114	4.1
	1715	2.7		1734	2.3
	2115	3.0		2247	3.2
7 TU	0433	1.3	**22** WE	0457	1.5
	1147	3.8		1145	4.2
	1815	2.5		1837	1.9
	2228	2.8			
8 WE	0459	1.6	**23** TH	0015	3.0
	1209	3.8		0538	1.9
	1907	2.2		1216	4.2
				1937	1.5
9 TH	0000	2.6	**24** FR	0146	2.9
	0528	1.9		0623	2.4
	1231	3.9		1246	4.2
	1955	1.9		2033	1.2
10 FR	0133	2.6	**25** SA	0352	3.0
	0602	2.2		0715	2.8
	1254	3.9		1316	4.1
	2038	1.6		2128	1.0
11 SA	0346	2.7	**26** SU	0604	3.3
	0645	2.6		0815	3.1
	1319	3.9		1349	4.1
	2118	1.3		2220	0.9
12 SU	0543	3.0	**27** MO	0703	3.5
	0744	2.9		0920	3.3
	1349	3.9		1431	4.0
	2201	1.0		2313	0.9
13 MO	0645	3.3	**28** TU ●	0746	3.7
	0857	3.2		1023	3.4
	1426	4.0		1524	3.9
	2249	0.8			
14 TU ○	0734	3.5	**29** WE	0004	0.9
	1011	3.3		0824	3.7
	1511	4.0		1120	3.4
	2343	0.7		1618	3.8
15 WE	0817	3.7	**30** TH	0053	1.0
	1114	3.3		0856	3.8
	1602	4.0		1214	3.3
				1709	3.7
			31 FR	0135	1.0
				0922	3.8
				1308	3.2
				1756	3.7

* CORRECTION TO CHART DATUM INCLUDED IN TABLE I **58230** * TRANSMITTING GAUGE, SEE PAGE

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4 Secondary ports – time Differences and tidal Levels

4.1 Use of time differences and tidal levels

4.1.1 General

The standard port used as the reference for each secondary port is shown in bold capitals at the beginning of each list.

Secondary ports are referenced to the standard port with most similar tidal characteristics. This is generally the nearest standard port. Any exceptions are noted in the 'remarks' column.

4.1.2 Time differences

Mean time differences applicable to both high water (HW) and low water (LW) at a secondary port are applied as a correction to the time listed for the relevant standard port. Time differences are denoted by '+' or '-'.

A time difference at the secondary port shown as '+' means that the HW or LW at the secondary port occurs later than at the standard port, so the time difference is added to the time listed for the standard port. A time difference at the secondary port shown as '-' requires that the time difference is subtracted from the standard port time to result in an earlier time at the secondary port.

The mean values of time differences may differ considerably from actual values either due to differences in the tidal model between the secondary port and the 'best-fit' standard port, or due to differences in short term meteorological effects experienced at each port.

4.1.3 Tide levels

Tidal levels shown in the secondary port tables are, in most instances, calculated and not observed. Only some secondary ports have data sets long enough (of at least 19 consecutive years) to allow statistical Analysis of tidal levels. All other ports rely on calculations using the formulae shown at section 1.12.

When observed or legislated values are advised by a relevant authority, it is noted in the remarks column.

The highest astronomical tide (hat) is calculated at Amrun using the 2010 – 2029 tidal epoch (hat 2020).

The mean sea level (MSL) to lowest astronomical tide (LAT) values in this chapter may differ from a legislated value because, where possible, the Australian national tide tables includes an estimation for the effect of long-term MSL trend.

Most tidal levels are rounded to the nearest decimetre whether observed, calculated or transferred. However, MSL is rounded to two decimal places.

4.1.4 Abbreviations used in the remarks column:

- o - denotes observed values or legislated values
- d - denotes a diurnal secondary port related to a semi-diurnal standard port
- s - denotes a semi-diurnal secondary port related to a diurnal standard port.

4.1.5 Corrections to chart datum

Corrections to chart datum (cd) for standard ports within the secondary ports tables are marked not applicable (NA). For corrections to standard ports, refer to chapter 5.

Corrections to cd for certain secondary ports are marked unknown (UNK) where insufficient data is available to determine a reliable value.

PAPUA NEW GUINEA

2027

PORT No.	PORT NAME	GEOGRAPHICAL POSITION		MEAN TIME DIFFERENCE	TIDAL LEVELS (metres, ref. to LAT)						TO CHART DATUM (M)	SOURCE	Remarks
					HAT	MHHW	MLHW	MSL	MHLW	MLLW			
55580	**PORT MORESBY**	**09° 29'S**	**147° 08´E**	**TZ -1000 (EST)**	**3.0**	**2.4**	**1.6**	**1.51**	**1.4**	**0.6**	**NA**	**STANDARD PORT**	
55440	DARU	09° 04´S	143° 12´E	+0148	4.0	3.2	2.2	1.94	1.7	0.7	0.0	NTF 1971 - 1972	s
55445	BOBO ISLAND	09° 06´S	143° 17´E	+0133	4.2	3.3	2.3	2.02	1.7	0.7	-0.4	HYDRO 2011 - 2012	s
55470	UMUDA ISLAND	08° 30´S	143° 47´E	+0129	4.8	3.9	2.7	2.37	2.0	0.8	0.0	HYDRO 1971	s
55480	GOARIBARI ISLAND	07° 45´S	144° 12´E	+0135	4.8	3.8	2.7	2.18	1.7	0.6	0.0	HYDRO 1954	s
55481	URAMU ISLAND	07° 40´S	144° 39´E	+0118	4.3	3.7	2.6	2.19	1.8	0.6	0.0	HYDRO 1972	s
55490	OMATI	07° 26´S	143° 57´E	+0341	6.2	5.1	3.7	3.14	2.6	1.1	0.0	HYDUK 1954	s
55510	KIKORI	07° 25´S	144° 15´E	+0256	3.5	2.8	2.0	1.64	1.3	0.5	0.0	HYDUK 1954	s
55515	KUMUL T.M.	08° 04´S	144° 34´E	+0035	4.0	3.2	2.3	2.02	1.7	0.8	0.0	NTC 1993	s
55520	PORT ROMILLY	07° 41´S	144° 49´E	+0106	4.1	3.4	2.4	2.02	1.6	0.7	0.0	HYDUK 1960	s
55538	KEREMA BAY - OFF	08° 11´S	145° 30´E	+0010	3.1	2.4	1.7	1.48	1.3	0.6	0.0	HYDRO 1993	s
55540	KEREMA	07° 58´S	145° 45´E	+0023	3.1	2.4	1.7	1.50	1.3	0.6	0.0	POL 1976	s
55571	BOERA HEAD	09° 23´S	147° 01´E	-0004	2.9	2.3	1.5	1.38	1.3	0.4	0.0	HYDRO 2010	
55572	IDIHA ISLAND	09° 24´S	146° 53´E	-0005	3.0	2.4	1.5	1.40	1.3	0.4	0.0	HYDRO 2010	
55574	REDSCAR HEAD	09° 15´S	146° 54´E	-0001	3.0	2.5	1.6	1.52	1.4	0.5	UNK	HYDRO 2011	
55575	DAUGO I. – N	09° 31´S	147° 04´E	+0002	2.9	2.3	1.5	1.41	1.3	0.5	UNK	HYDRO 2011	
55581	BOOTLESS INLET	09° 30´S	147° 16´E	-0004	2.7	2.3	1.4	1.35	1.3	0.4	-0.1	HYDRO 2017	
55582	NADEARA REEF - EAST	09° 33´S	147° 14´E	-0003	2.7	2.3	1.4	1.36	1.3	0.4	UNK	HYDRO 2017	
55583	PADANA NAHUA PASS	09° 34´S	147° 17´E	-0003	2.7	2.3	1.4	1.35	1.3	0.4	UNK	HYDRO 2017	
55596	TOVELI ENTRANCE	10° 11´S	148° 06´E	-0009	2.5	2.1	1.3	1.25	1.2	0.4	UNK	HYDRO 2017 - 2018	
55600	KALIGOLO POINT	10° 09´S	148° 16´E	-0007	2.6	2.1	1.3	1.25	1.2	0.4	0.0	HYDRO 1963	
55610	DEDELE POINT	10° 14´S	148° 44´E	-0006	2.7	2.2	1.3	1.32	1.3	0.4	0.0	SALAMAUA PNG 1975	
55615	MARGARIDA	10° 20´S	149° 20´E	-0007	3.1	2.5	1.6	1.54	1.5	0.5	0.0	PWD PNG 1973 - 1974	
55620	TURTLE BACK ISLAND	10° 24´S	149° 22´E	-0010	2.5	2.0	1.2	1.21	1.2	0.4	0.0	HYDRO 1998	
55630	DELAMI ISLAND	10° 31´S	149° 49´E	-0007	2.7	2.2	1.3	1.33	1.3	0.5	0.0	HYDRO 1997 - 1998	
55633	AVA POINT	10° 38´S	149° 48´E	+0008	2.5	2.1	1.2	1.20	1.1	0.3	0.0	HYDRO 1997	

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PORT No.	PORT NAME	GEOGRAPHICAL POSITION		MEAN TIME DIFFERENCE	TIDAL LEVELS (metres, ref. to LAT)						TO CHART DATUM (M)	SOURCE	Remarks See Page page 93
					HAT	MHHW	MLHW	MSL	MHLW	MLLW			
55830	**ALOTAU**	**10° 19´S**	**150° 27´E**	**TZ -1000 (EST)**	**1.4**	**1.2**	**1.2**	**0.80**	**0.4**	**0.4**	**NA**	**STANDARD PORT**	
55650	BONARUA (BRUMER) ISLAND	10° 46´S	150° 22´E	+0029	2.3	1.9	1.2	1.14	1.1	0.4	0.0	HYDRO 1999	
55655	BAIIRI ISLAND	10° 54´S	150° 45´E	+0021	2.1	1.7	1.1	1.00	0.9	0.3	0.0	HYDRO 2001	
55659	DOINI ISLAND	10° 42´S	150° 42´E	+0022	2.1	1.8	1.2	1.06	0.9	0.4	0.0	HYDRO 1999 - 2000	
55660	SAMARAI ISLAND	10° 37´S	150° 40´E	+0021	1.6	1.4	0.9	0.76	0.6	0.1	0.0	HYDUK 1886	
55669	BENTLEY ISLAND	10° 43´S	151° 14´E	+0108	1.4	1.2	0.9	0.68	0.4	0.2	0.0	HYDRO 2001	
55670	KALOTAU BAY	10° 37´S	151° 03´E	+0024	1.3	1.1	0.9	0.65	0.3	0.2	0.0	USA Dept of Commerce 1943	
55671	KANAWEA ISLAND	10° 32´S	151° 05´E	+0004	1.2	1.0	0.9	0.60	0.3	0.1	0.0	HYDRO 1968	
55672	TEWATEWA ISLAND	10° 36´S	151° 23´E	+0003	1.3	1.2	1.0	0.68	0.4	0.2	0.0	HYDRO 2001	
55673	KEGAWAM ISLAND	10° 21´S	151° 23´E	+0011	1.2	1.1	1.0	0.67	0.3	0.2	0.0	HYDRO 2001	
55675	TONOIE ISLAND	10° 25´S	151° 13´E	+0026	1.3	1.0	1.0	0.61	0.2	0.2	0.0	HYDRO 1936	
55680	PANAIIAII ISLAND	10° 49´S	151° 50´E	+0001	1.3	1.1	1.0	0.65	0.3	0.2	UNK	HYDRO 2013	
55690	MISIMA ISLAND	10° 42´S	152° 47´E	-0002	0.9	0.8	0.7	0.45	0.2	0.1	0.0	Misima Mines Pty Ltd 1991	
55700	NIVANI ISLAND	10° 47´S	152° 23´E	-0007	1.3	1.2	1.0	0.73	0.4	0.2	UNK	HYDRO 2013	
55710	DUCHATEAU ISLANDS	11° 17´S	152° 22´E	-0038	1.5	1.3	0.9	0.69	0.5	0.1	0.0	HYDUK 1887	
55750	HUNIYE BAY	11° 16´S	153° 10´E	+0007	1.7	1.5	1.0	0.84	0.6	0.2	0.0	HYDUK 1888	
55780	CAPE DELIVERANCE	11° 24´S	154° 17´E	+0018	1.3	1.1	1.0	0.69	0.4	0.2	0.0	HYDRO 1968	
55832	MAPAMOIWA	09° 36´S	150° 26´E	+0000	1.1	1.0	1.0	0.61	0.2	0.2	0.0	HYDRO 1996	
55833	YAYA POINT	09° 36´S	150° 54´E	+0000	1.1	0.9	0.9	0.55	0.2	0.1	UNK	HYDRO 2013	
55834	BWAIOA GOMWA BAY	09° 41´S	150° 51´E	+0004	1.2	1.0	1.0	0.61	0.2	0.2	UNK	HYDRO 2013	
55835	WAIOPE ISLAND	09° 43´S	150° 54´E	+0000	1.2	1.0	0.9	0.59	0.2	0.2	UNK	HYDRO 2013	
55840	NUAKATA ISLAND	10° 17´S	151° 00´E	-0005	1.2	1.0	1.0	0.64	0.3	0.2	0.0	HYDRO 1992	
55850	EAST CAPE	10° 14´S	150° 52´E	-0118	1.0	0.9	0.9	0.55	0.2	0.2	0.0	NTF 1978	
55870	BULAVAI POINT	09° 15´S	152° 58´E	-0009	1.2	1.0	1.0	0.62	0.3	0.2	0.0	HYDRO 1968	
55871	SHARP ISLAND	09° 19´S	152° 31´E	+0005	1.1	0.9	0.9	0.59	0.3	0.2	-0.1	HYDRO 1968	
55876	BOLI POINT	08° 33´S	151° 01´E	-0005	1.2	1.1	1.0	0.64	0.3	0.2	0.0	HYDRO 2010	
55910	AIGURA POINT	10° 08´S	150° 15´E	-0017	1.3	1.1	1.0	0.70	0.4	0.2	0.0	HYDRO 1968	

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					HAT	MHHW	MLHW	MSL	MHLW	MLLW			
55980	**LAE**	**06° 45´S**	**147° 00´E**	**TZ -1000 (EST)**	**1.3**	**1.2**	**1.1**	**0.76**	**0.4**	**0.3**	**NA**	**STANDARD PORT**	
55938	AMUIOAN BAY	09° 06´S	149° 20´E	+0003	1.3	1.1	1.1	0.68	0.3	0.2	UNK	HYDRO 2017	
55949	DAIA POINT	08° 59´S	149° 08´E	+0003	1.3	1.1	1.0	0.67	0.3	0.2	UNK	HYDRO 2017	
55960	KANAPU ISLAND	08° 20´S	150° 07´E	+0043	1.2	1.0	0.9	0.60	0.3	0.2	0.0	HYDRO 1986	
55990	**DREGERHAFEN**	**06° 39´S**	**147° 53´E**		**1.4**	**1.2**	**1.1**	**0.80**	**0.5**	**0.4**	**NA**	**STANDARD PORT**	
55940	TUFI HARBOUR	09° 05´S	149° 19´E	+0004	1.3	1.1	1.0	0.65	0.3	0.2	0.0	NMSA 2018	
55951	ORO BAY	08° 53´S	148° 29´E	+0008	1.3	1.1	0.9	0.61	0.3	0.1	0.0	NTF 1971 - 1972	
55954	EVE SHOAL	08° 31´S	148° 25´E	+0004	1.2	1.0	1.0	0.62	0.3	0.2	0.0	HYDRO 2004	
55956	CAUTION POINT	08° 17´S	148° 12´E	-0003	1.2	1.0	1.0	0.62	0.3	0.2	0.0	HYDRO 2004	
56000	FINSCHHAFEN	06° 33´S	147° 51´E	+0000	1.3	1.1	1.0	0.64	0.3	0.2	-0.2	NMSA 2017	
56010	WASU	05° 55´S	147° 11´E	+0006	1.2	1.2	1.0	0.70	0.4	0.2	UNK	HYDRO 2017	
56020	UMBOI ISLAND	05° 42´S	148° 05´E	+0029	1.3	1.2	1.1	0.72	0.4	0.2	0.0	HYDRO 1976	
56021	AROMOT ISLAND	05° 48´S	148° 03´E	+0012	1.1	1.0	1.0	0.63	0.3	0.2	UNK	FUGRO 2018	
56150	THILENIUS HARBOUR	06° 17´S	150° 19´E	+0004	1.1	1.0	0.9	0.60	0.3	0.2	0.0	HYDRO 2007	
56030	**MADANG**	**05° 13´S**	**145° 48´E**		**1.4**	**1.4**	**1.2**	**0.89**	**0.6**	**0.4**	**NA**	**STANDARD PORT**	
56024	KEPLER POINT	05° 35´S	146° 16´E	-0004	1.2	1.1	1.0	0.66	0.3	0.2	UNK	HYDRO 2009	
56025	POMMERN BAY	05° 32´S	146° 08´E	-0008	1.2	1.2	1.0	0.70	0.4	0.2	UNK	HYDRO 2009	
56070	**WEWAK**	**03° 33´S**	**143° 38´E**		**1.7**	**1.7**	**1.2**	**1.06**	**0.9**	**0.4**	**NA**	**STANDARD PORT**	
56050	BOGIA HARBOUR	04° 18´S	144° 59´E	-0010	1.3	1.3	1.0	0.77	0.5	0.2	0.0	HYDRO 1988	
56060	SEPIK RIVER ENT.	03° 55´S	144° 37´E	+0001	1.2	1.2	0.9	0.70	0.5	0.2	0.0	HYDRO 1988	
56100	VANIMO	02° 41´S	141° 18´E	-0013	1.5	1.5	0.8	0.77	0.8	0.1	-0.1	HYDRO 1967	

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					HAT	MHHW	MLHW	MSL	MHLW	MLLW			
56130	**SEEADLER HARBOUR**	**02° 02´S**	**147° 22´E**	**TZ -1000 (EST)**	**1.3**	**1.3**	**1.1**	**0.82**	**0.5**	**0.3**	**NA**	**STANDARD PORT**	
56120	POINT STONE ISLAND	02° 15´S	146° 34´E	+0005	1.2	1.1	0.9	0.68	0.4	0.2	0.0	HYDRO 1994	
56122	MOENAI POINT	02° 12´S	146° 52´E	-0003	1.2	1.2	1.0	0.73	0.4	0.2	UNK	NMSA 2017	
56123	MBUKE ISLAND	02° 23´S	146° 51´E	-0002	1.2	1.2	1.0	0.71	0.4	0.2	UNK	NMSA 2017	
56134	RARA ISLAND SOUTHWEST	02° 10'S	147°16'E	+0001	1.2	1.1	0.9	0.67	0.4	0.2	UNK	HYDRO 2021 - 2022	
56135	HAWEI ISLAND NORTHEAST	01°57'S	147°18'E	+0001	1.2	1.1	0.9	0.67	0.4	0.2	UNK	HYDRO 2021 - 2022	
56200	**RABAUL**	**04° 12´S**	**152° 10´E**		**1.3**	**1.2**	**1.1**	**0.76**	**0.4**	**0.4**	**NA**	**STANDARD PORT**	
56154	CAPE JACQUINOT	05° 33´S	151° 36´E	+0007	1.1	1.0	0.9	0.59	0.2	0.2	0.0	HYDRO 2009	
56175	ELEONORA BAY	05° 33´S	149° 44´E	+0012	1.3	1.2	1.0	0.73	0.4	0.3	0.0	HYDRO 1980	
56179	WALINDI PLANTATION	05° 26´S	150° 05´E	+0017	1.2	1.1	1.0	0.65	0.3	0.2	UNK	FUGRO 2018	
56180	NUMONDO ANCHORAGE	05° 30´S	150° 06´E	+0049	1.1	1.0	1.0	0.63	0.3	0.2	UNK	HYDRO 1963	
56202	FOUL BAY	04° 10´S	152° 25´E	+0012	1.1	1.0	0.9	0.62	0.3	0.2	0.0	HYDRO 1995	
56210	KOKOPO	04° 21´S	152° 17´E	+0002	1.1	1.0	1.0	0.64	0.3	0.2	0.0	HYDRO 1947	
56280	TAVANATANGIR HBR	04° 48´S	151° 41´E	+0001	1.2	1.1	1.0	0.64	0.3	0.2	0.0	HYDRO 2006	
56285	HENRY REID BAY	04° 59´S	151° 59´E	+0001	1.1	1.0	0.9	0.58	0.3	0.2	0.0	HYDRO 2007	
56300	AMBITLE ISLAND	04° 06´S	153° 35´E	-0003	1.2	1.0	0.8	0.56	0.3	0.1	0.0	HYDRO 1978	
56330	SORAKEN	05° 34´S	154° 43´E	-0015	1.2	1.0	0.8	0.56	0.3	0.1	0.0	HYDRO 1975	

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					HAT	MHHW	MLHW	MSL	MHLW	MLLW			
56340	**ANEWA BAY**	**06° 11´S**	**155° 33´E**	**TZ -1000 (EST)**	**2.1**	**1.7**	**1.1**	**1.06**	**1.0**	**0.4**	**NA**	**STANDARD PORT**	
56338	TOROKINA	06° 16´S	155° 02´E	+0053	1.1	1.0	0.9	0.57	0.2	0.2	0.0	HYDRO 2000	
56341	EVERENTA ISLAND	06° 49´S	155° 49´E	+0007	1.3	1.1	0.8	0.58	0.3	0.1	0.0	HYDRO 2000	
56350	KIETA HARBOUR	06° 13´S	155° 38´E	+0002	1.8	1.4	0.8	0.82	0.8	0.2	0.0	PWD PNG 1972	
58100	**TWIN ISLAND**	**10° 28´S**	**142° 26´E**		**3.8**	**3.0**	**2.0**	**1.81**	**1.5**	**0.5**	**NA**	**STANDARD PORT**	**o**
57900	MEER ISLAND BARGE	09° 55´S	144° 02´E	-0224	3.5	2.6	2.0	1.78	1.5	0.9	UNK	MSQ 2008	o
57927	BLACK ROCKS WEST	09° 15´S	143° 43´E	-0152	3.7	3.0	2.1	1.83	1.5	0.6	UKN	HYDRO 2021	s
57930	BRAMBLE CAY	09° 08´S	143° 53´E	-0203	3.4	2.8	2.0	1.72	1.4	0.6	0.0	HYDRO 1994	s
57931	STEPHENS I - N	09° 22´S	143° 31´E	-0039	3.9	3.2	2.2	1.92	1.6	0.7	UNK	HYDRO 2021	s
57932	UNNAMED CAY	09° 22´S	143° 20´E	-0132	4.0	3.2	2.3	1.99	1.7	0.7	UNK	HYDRO 2005 - 2006	s
57935	STEPHENS ISLAND	09° 30´S	143° 33´E	-0142	4.1	3.2	2.3	1.98	1.7	0.8	0.0	NTC 2005 - 2006	s
57936	MERRIE ENGLAND SH	09° 10´S	143° 28´E	-0139	4.0	3.1	2.1	1.84	1.5	0.5	0.0	HYDRO 2008	s
57937	MUTACOMAL REEF	09° 16´S	143° 12´E	-0107	4.1	3.2	2.1	1.90	1.6	0.6	0.0	HYDRO 2008	s
57939	BROWN REEF WEST	09° 25´S	143° 41´E	+0936	3.8	3.0	2.1	1.85	1.6	0.6	UNK	HYDRO 2021	s
57941	DARNLEY I. BARGE	09° 36´S	143° 46´E	-0146	4.1	3.2	2.4	2.09	1.7	1.0	-0.3	MSQ 2008	os
57945	EAST CAY	09° 23´S	144° 13´E	-0221	4.1	3.2	2.2	1.93	1.6	0.6	0.0	HYDRO 1996	s
57959	YORKE ISLAND BARGE	09° 45´S	143° 24´E	-0121	4.3	3.3	2.5	2.20	1.9	1.1	UNK	MSQ 2008	os
57980	RENNEL ISLAND	09° 46´S	143° 15´E	-0118	4.1	3.2	2.2	2.02	1.8	0.8	0.0	HYDRO 2005 - 2006	s
57988	ASHMORE RF - N	10° 05´S	144° 28´E	-0256	2.9	2.2	1.6	1.38	1.2	0.5	0.0	HYDRO 1999	s
57990	AUREED ISLAND	09° 57´S	143° 17´E	-0111	4.0	3.1	2.1	1.88	1.6	0.7	0.0	HYDRO 1994	s
57998	KAI-MAITUINE RF - NE	10° 14´S	143° 09´E	-0055	4.3	3.2	2.2	2.02	1.9	0.8	UNK	HYDRO 2006	s
58010	ZAGAI ISLAND	09° 52´S	142° 54´E	+0003	3.7	2.9	1.7	1.68	1.6	0.5	UNK	HYDRO 1994	
58015	YAM ISLAND	09° 54´S	142° 46´E	+0009	4.2	3.0	2.1	2.00	1.9	0.9	0.0	MSQ 2013 - 2015	o

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					HAT	MHHW	MLHW	MSL	MHLW	MLLW			
58100	**TWIN ISLAND**	**10° 28´S**	**142° 26´E**	**TZ -1000 (AEST)**	**3.8**	**3.0**	**2.0**	**1.81**	**1.5**	**0.5**	**NA**	**STANDARD PORT**	**o**
58019	DAUAN ISLAND BARGE	09° 25´S	142° 32´E	+0114	3.7	2.8	2.2	1.66	1.1	0.5	UNK	DSITI 2011 - 2013	
58020	SAIBAI ISLAND	09° 23´S	142° 37´E	+0112	3.9	2.9	2.2	1.84	1.5	0.8	UNK	MSQ 2008	o
58025	PHIPI REEF	09° 36´S	142° 32´E	+0058	3.8	3.0	2.4	1.83	1.3	0.7	0.0	HYDRO 1995	
58029	WARRIOR REEF - WEST	09° 29´S	143° 06´E	+0014	4.3	3.3	2.2	2.01	1.8	0.7	UNK	HYDRO 2011 - 2012	
58034	MABUIAG I. BARGE	09° 57´S	142° 12´E	+0103	3.9	3.0	2.3	1.97	1.6	0.9	UNK	MSQ 2008	o
58060	REEVES SHOAL	10° 32´S	142° 28´E	+0204	3.9	3.0	2.3	1.97	1.6	0.9	UNK	HYDRO 2034 - 2024	
58061	BEAGLE ROCK SW	10° 24´S	142° 34´E	+0155	4.0	2.9	1.8	1.67	1.5	0.4	UNK	HYDRO 2034 - 2024	
58062	BEAGLE ROCK SE	10° 23´S	142° 44´E	+0137	4.1	3.0	1.8	1.78	1.7	0.5	UNK	HYDRO 2034 - 2024	
58063	POLL ISLET - WEST	10° 15´S	142° 46´E	+0139	4.1	3.0	1.9	1.80	1.7	0.5	UNK	HYDRO 2034 - 2024	
58069	HALF WAY ISLAND	10° 06´S	143° 19´E	-0117	4.1	3.1	2.1	1.93	1.7	0.7	UNK	HYDRO 2006	s
58070	COCONUT ISLAND	10° 03´S	143° 04´E	-0051	4.1	3.2	2.1	1.95	1.8	0.7	0.0	NTC 1992	s
58072	DUGONG ISLET	10° 31´S	143° 06´E	-0101	4.2	3.3	2.0	1.95	1.9	0.6	0.0	HYDRO 1997	
58073	POLL ISLET	10° 15´S	142° 49´E	-0024	4.0	3.1	1.9	1.85	1.8	0.6	0.0	NTC 1994 - 1995	
58075	KIRKCALDIE REEF	10° 19´S	142° 48´E	-0030	4.0	3.0	1.8	1.74	1.7	0.5	0.0	STEEDMANS 1988	
58080	SUARJI ISLAND	10° 10´S	142° 31´E	+0009	3.8	3.0	1.9	1.75	1.6	0.5	0.0	HYDRO 1941	
58083	SUE ISLET	10° 12´S	142° 49´E	-0017	4.2	3.1	2.2	2.02	1.8	1.0	UNK	MSQ 2008	o
58325	HARRINGTON SHOAL	10° 48´S	142° 43´E	+0104	4.4	3.3	2.1	1.98	1.8	0.6	UNK	HYDRO 2034 - 2024	s
58440	LITL ADOLPHUS IS. W	10° 35´S	142° 34´E	+0150	4.0	2.9	1.8	1.65	1.5	0.4	UNK	HYDRO 2034 - 2024	
58445	EBORAC ISLAND N	10° 40´S	142° 32´E	+0151	4.0	2.9	1.8	1.68	1.6	0.4	UNK	HYDRO 2034 - 2024	
58455	QUETTA ROCK	10° 40´S	142° 39´E	+0128	4.1	3.0	1.8	1.76	1.7	0.5	UNK	HYDRO 2034 - 2024	
58472	WYBORN REEF LIGHT	10° 49´S	142° 47´E	-0102	4.2	3.3	2.2	2.00	1.8	0.7	0.0	HYDRO 2009	s
58473	TETLEY ISLAND	10° 44´S	142° 44´E	-0051	4.1	3.2	2.2	1.97	1.8	0.7	0.0	HYDRO 2009	s
58485	TRIANGLE REEF	10° 46´S	144° 00´E	-0158	2.6	2.2	1.3	1.31	1.3	0.4	0.0	HYDRO 1996	
58561	MCSWEENY REEF	11° 01´S	143° 15´E	-0131	3.7	2.9	2.1	1.78	1.5	0.6	0.0	HYDRO 1999	s
58596	BIRD ISLETS	11° 45´S	143° 05´E	-0157	3.8	3.0	2.0	1.80	1.6	0.6	UNK	HYDRO 2016	s

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					HAT	MHHW	MLHW	MSL	MHLW	MLLW			
58230	**BOOBY ISLAND**	**10° 36´S**	**141° 55´E**	**TZ -1000 (EST)**	**4.3**	**4.2**	**2.8**	**2.48**	**2.0**	**0.6**	**NA**	**STANDARD PORT**	**o**
55420	MERAUKE	08° 29´S	140° 24´E	-0251	5.7	5.5	3.2	3.04	2.9	0.6	UNK	Netherlands 1954 - 1955	o
55430	TURU CAY	09° 49´S	141° 26´E	-0110	4.9	4.9	3.0	2.75	2.5	0.6	0.0	HYDRO 2002	
58032	COOK SHOAL - SOUTH	10° 08´S	141° 26´E	-0032	4.7	4.7	3.0	2.63	2.2	0.5	UNK	HYDRO 2016	
58037	COOK REEF WEST	10° 23´S	141° 25´E	-0037	4.6	4.6	2.9	2.61	2.3	0.6	UNK	HYDRO 2021	
58219	LARPENT BANK WEST	10° 36´S	141° 58´E	-0006	4.7	4.4	3.0	2.56	2.1	0.7	UNK	NTC 2021 - 2022	
58221	GANNET PASSAGE - WEST	10° 35´S	141° 50´E	-0015	4.7	4.5	3.0	2.65	2.2	0.8	UNK	NTC 2021 - 2022	
58222	VARZIN SH - NW	10° 31´S	141° 54´E	-0003	4.4	4.4	2.9	2.46	2.0	0.5	UNK	NTC 2016 - 2017	
58232	VARZIN SHOAL	10° 33´S	141° 55´E	-0001	4.1	4.0	2.6	2.25	1.9	0.5	0.0	HYDRO 2022	
58241	WHITE ROCKS AREA	10° 31´S	142° 01´E	+0001	4.1	3.9	2.6	2.22	1.8	0.5	0.0	HYDRO 2000- 2001	
58242	CARPENTARIA	10° 44´S	141° 17´E	-0049	3.9	3.9	2.6	2.30	2.0	0.7	0.0	HYDRO 2000- 2001	
58261	MERKARA SHOAL - N	10° 21´S	141° 12´E	-0055	4.4	4.4	3.0	2.61	2.2	0.8	UNK	NTC 2023	
58262	MERKARA SHOAL - SW	10° 32´S	141° 12´E	-0054	4.2	4.2	2.9	2.48	2.1	0.8	UNK	NTC 2023	
58263	MERKARA SHOAL - NE	10° 27´S	141° 20´E	-0042	4.4	4.4	3.0	2.61	2.2	0.8	UNK	NTC 2023	
58264	PROUDFOOT SHL - SW	10° 36´S	141° 22´E	-0041	4.3	4.3	2.9	2.54	2.2	0.8	UNK	NTC 2023	
58265	COOK REEF - SW	10° 23´S	141° 29´E	-0030	4.6	4.6	3.0	2.69	2.3	0.8	UNK	NTC 2023	
58266	PROUDFOOT SHL - S 2	10° 44´S	141° 30´E	+0028	4.2	4.2	2.9	2.50	2.1	0.8	UNK	NTC 2023	
58267	BRAMBLE PCHS - SW	10° 32´S	141° 33´E	-0026	4.5	4.5	3.0	2.62	2.3	0.7	UNK	NTC 2023	
58268	HOCKING PCHS - SE	10° 41´S	141° 40´E	-0020	4.3	4.3	2.9	2.54	2.2	0.7	UNK	NTC 2023	
58269	BRAMBLE PCHS - NE	10° 28´S	141° 42´E	-0012	4.5	4.5	2.9	2.60	2.3	0.7	UNK	NTC 2023	
58280	BAMPFIELD HEAD	10° 42´S	142° 06´E	-0010	4.5	4.3	3.0	2.44	1.9	0.6	0.0	HYDUK 1921	o
58281	CRAB ISLAND	10° 58´S	142° 07´E	-0013	3.7	3.7	2.4	2.10	1.8	0.5	0.0	HYDRO 1977	o
58283	RED WALLIS ISLAND	10° 51´S	142° 02´E	-0004	3.9	3.9	2.6	2.19	1.7	0.5	0.0	HYDRO 1994	

5 Supplementary table

5.1 Information on supplementary table

5.1.1 Chart datum correction and zero of predictions for standard ports

All standard port predictions are computed relative to Lowest Astronomical Tide (LAT). However, some charts remain referenced to earlier datums, or earlier approximations of LAT.

The following table gives the correction from LAT to Chart Datum (CD) for all standard ports in this publication. The CD correction is provided for the largest scale charts depicting the port.

The value shown in the ‘Correction to Chart Datum’ column is the correction to be applied to obtain predictions above CD for the indicated chart.

If the ‘Correction to Chart Datum’ value is unknown, then the correction to be applied cannot be determined.

As new charts are created, or replaced by a new edition, they will be based on LAT. The number of charts requiring a CD correction for predicted tidal heights will be further reduced over time.

5.1.2 Benchmark connections

Please contact the Tides and Geodetic Section of the Australian Hydrographic Office to obtain information related to the zero of predictions and the connection to shore-side benchmarks, for ports where no information has been entered against the port in the ‘Zero of Predictions’ column.

Email: tides.support@defence.gov.au

TABLE I – CHART DATUM CORRECTIONS AND ZERO OF PREDICTIONS FOR STANDARD PORTS

Port	To Chart Datum				Zero of Predictions
Alotau	PG5624P1 ENC 0.0	PNG 624 NC 17 MAY 2019 0.0	PNG 508 NC 31 MAY 2019 0.0		2.545m below Alotau, SM9474, a survey plaque concreted into the Government Wharf at Alotau.
Anewa Bay	PG5683P1 ENC SUBTRACT 0.2	PNG 683 NC 06 SEP 2019 SUBTRACT 0.2	SLB 301 NE 21 FEB 2020 0.0		
Booby Island	AU411141 ENC 0.0	AUS 296 NE 10 OCT 2014 0.0	AUS 294 NE 22 FEB 2013 0.0		4.890m below C1972 (NMV/B/461), a standard AHS plaque set in concrete and marked '72 Charlie'. It is positioned 8.81m 161° M (1980) from the base of steps at north of TG hut on NW side of island.
Dregerhafen	PG5653P0 ENC 0.0	PNG 653 NC 03 MAY 2019 0.0	PNG 523 NC 18 SEP 2020 0.0	PNG 386 NC 21 AUG 2020 0.0	2.178m below Wharf Sill, benchmark.
Lae	PG5642P0 ENC 0.0	PNG 642 NC 22 MAR 2019 0.0	PNG 643 NE 05 APR 2019 0.0	PNG 523 NC 18 SEP 2020 0.0	3.077m below LAE JJ, benchmark.
Madang	PG5646P0 ENC 0.0	PNG 646 NC 22 MAR 2019 0.0	PNG 387 NC 15 MAY 2020 0.0		3.245m below MAG1, a brass rod set in concrete in the SW corner of workshop in Jais Aben resort (DESTROYED).

TABLE I – CHART DATUM CORRECTIONS AND ZERO OF PREDICTIONS FOR STANDARD PORTS

Port	To Chart Datum				Zero of Predictions
Port Moresby	PG5621P0 ENC SUBTRACT 0.1	PNG 622 NC 10 JAN 2020 SUBTRACT 0.1	PNG 621 NC 12 JUN 2020 SUBTRACT 0.1	PNG 379 NC 07 AUG 2020 0.0	4.086m below PSM16566, a brass plaque set in concrete in paving 0.9m from the SE corner of Cargo Shed No. 2 on the main wharf.
Rabaul	PG5680P1 ENC SUBTRACT 0.2	PNG 680 NC 06 SEP 2019 SUBTRACT 0.2	PNG 545 NC 07 FEB 2020 0.0	PNG 554 NC 20 MAR 2020 0.0	2.851m below RL303, a brass plate with pin on the northeast corner of old copra shed north of Wreck Wharf.
	PNG 397 NC 05 FEB 2021 0.0				
Seeadler Harbour	PG403147 ENC 0.0	PNG 662 NC 13 NOV 2020 0.0	PNG 391 NC 19 FEB 2021 0.0		4.581m below PNG14, benchmark.
Twin Island	AU411142 ENC 0.0	AUS 293 NE 10 OCT 2014 0.0			2.990m below NMV/B/463, a copper plug at NE end of sandy shore on NW side of western half of Twin Island.
Wewak	PG5651P1 ENC 0.0	PNG 651 NC 21 AUG 2020 0.0	PNG 389 NC 11 DEC 2020 0.0		3.606m below WWK3, a stainless steel rod 2.5cm in diameter set in concrete on corner of wharf. 10.58m below BHP B.M. at northern end of Forge Plant Shed.

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