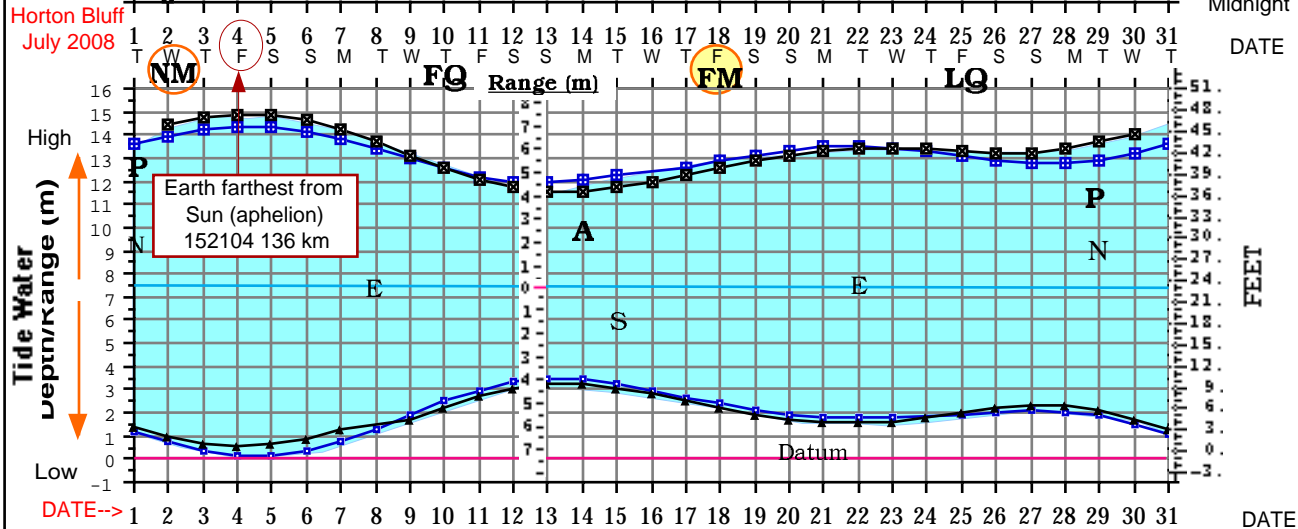
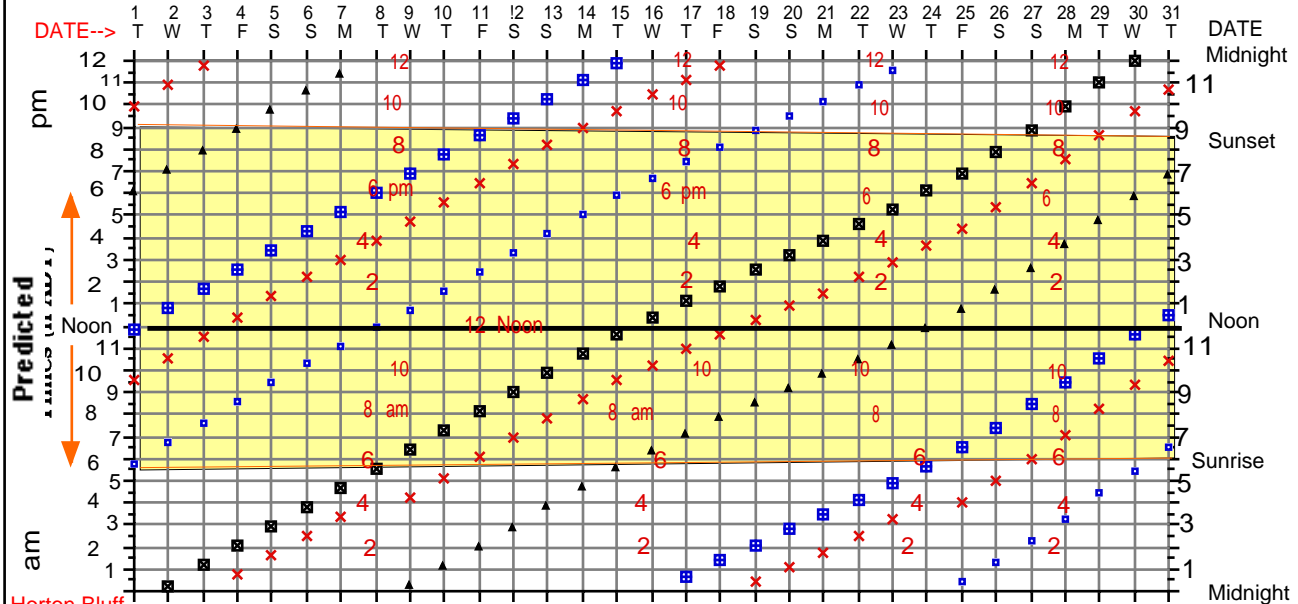


HORTON BLUFF (Minas Basin), N.S., JULY 2008

A Graphic Guide for High & Low Tide Times, Tide Range and Sunrise/Sunset

Predictions are for Horton Bluff (near Avonport, N.S.) and are computer generated using the tidal harmonic tables for Burntcoat Head, N.S. These times are a good guide (± 15 min or less) for most locations around the **Minas Basin**.

Adjustments were made relative to observations recorded at Horton Bluff. Results compare favourably with values obtained using the *Canadian Tide and Current Tables, 2008* on Saint John, N.B. References for astronomical events: *Observer's Handbook 2008* Royal Astronomical Society of Canada and *Starry Night*, a sky simulation program by Sienna Software, Toronto, Ont. This chart is **not** designed for navigating at sea.



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<ul style="list-style-type: none"> High Tide, Moon near Meridian above south High Tide, Moon near Anti-meridian below north Low Tide, Moon near Western horizon -setting Low Tide, Moon near Eastern horizon -rising 	<ul style="list-style-type: none"> NM -New Moon FM -Full Moon P =Perigee: Moon nearest Earth (359 513 & 363 883 km) LQ -Last Quarter Moon FQ -First Quarter Moon A =Apogee: Moon farthest from Earth (405 452 km) 	<ul style="list-style-type: none"> Factors which increase the vertical range of tide, especially when perigee is close to New or Full Moon [SPRING TIDES] Note: Weather conditions can significantly affect tide range.
<ul style="list-style-type: none"> Moon's Declination to the Equator N -Maximum declination North: $+28^\circ + 28^\circ$ E -Declination is 0° (on the Equator) S -Maximum declination South: -28° 	<ul style="list-style-type: none"> Datum = lowest point below which the tide seldom falls. Sunrise / Sunset + Tidal Bore arrives at the bridge, Mantua, Hants Co. 	<ul style="list-style-type: none"> Factors which decrease the vertical range of tide, especially when apogee is close to Quarter Moon [NEAP TIDES]

To get the predicted tide time or height, select a date, follow the vertical line to the event, read time(hours) or height (metres) along the horizontal line to the scale on the left.

Designed© and prepared by Sherman Williams, Avonport, N.S.

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