

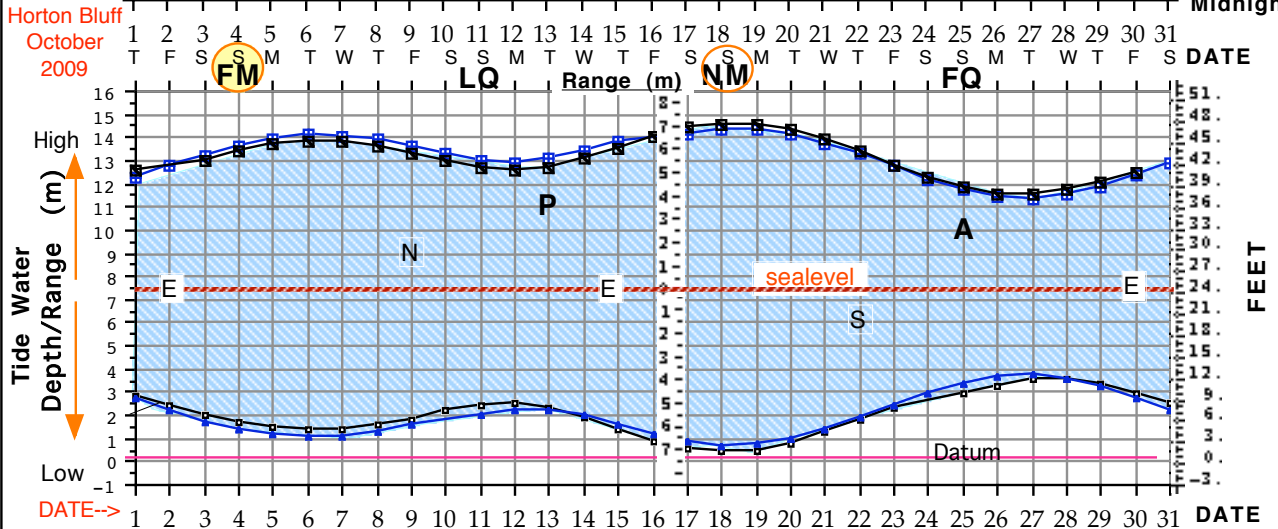
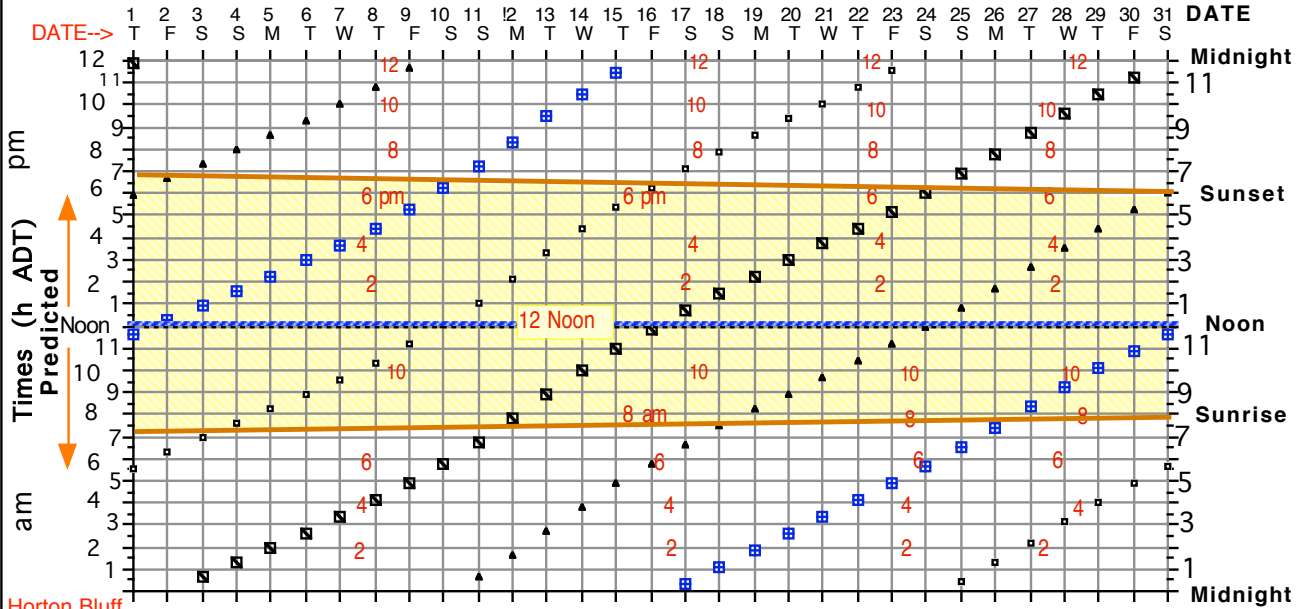
TIDES, HORTON BLUFF, Minas Basin, N.S., for OCTOBER 2009

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, 2009* on Saint John, N.B. References for astronomical events: *Observer's Handbook 2009* Royal Astronomical Society of Canada and *Starry Night*, a sky simulation program by Sienna Software, Toronto, Ont. This chart **not** designed for navigating at sea.

The INTERNATIONAL YEAR of ASTRONOMY (IYA 2009)



SYMBOLS & NOTES

<p>High Tide, Moon near Meridian above south</p> <p>High Tide, Moon near Anti-meridian below north</p> <p>Low Tide, Moon near Western horizon -setting</p> <p>Low Tide, Moon near Eastern horizon -rising</p>	<p>NM -New Moon</p> <p>FM -Full Moon</p> <p>P =Perigee: Moon nearest Earth (369 067 km)</p> <p>LQ -Last Quarter Moon</p> <p>FQ -First Quarter Moon</p> <p>A =Apogee: Moon farthest from Earth (404 166 km)</p> <p>Datum = lowest point below which the tide seldom falls.</p>	<p>Factors which increase the vertical range of tide, especially when perigee is close to New or Full Moon [SPRING TIDES]</p> <p>Note: Weather conditions can significantly affect tide range.</p> <p>Factors which decrease the vertical range of tide, especially when apogee is close to Quarter Moon [NEAP TIDES]</p>
<p>Moon's Declination to the Equator</p> <p>N -Maximum declination North: +28° + 26°</p> <p>E -Declination is 0° (on the Equator)</p> <p>S -Maximum declination South: - 26°</p>	<p>☀ Sunrise / Sunset Daylight loses about 93 min</p>	

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.

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