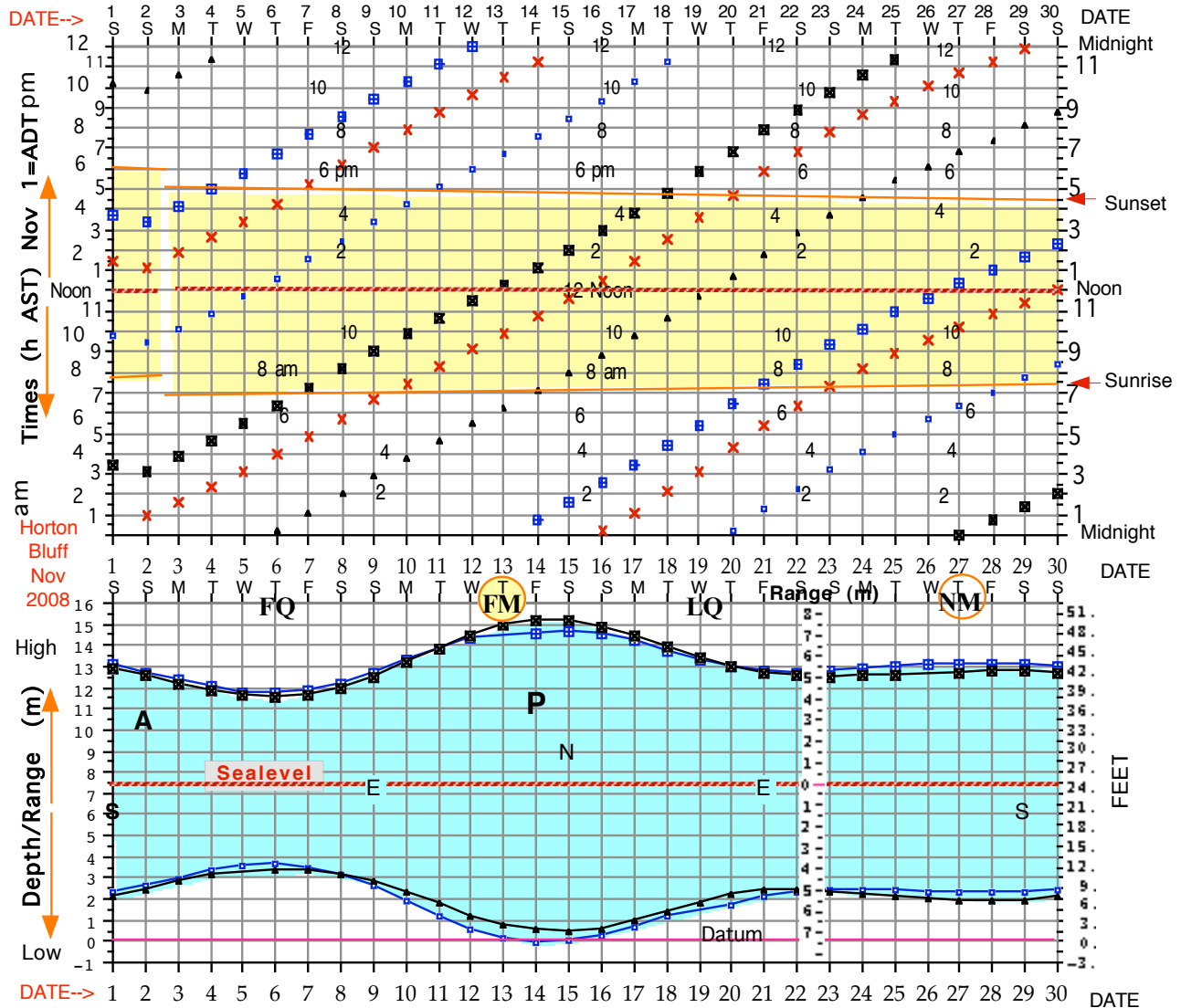


# NOVEMBER 2008 TIDES, HORTON BLUFF, Minas Basin, N.S.

## 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 ( $\pm 15$  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.



SYMBOLS & NOTES

<ul style="list-style-type: none"> <li>High Tide, Moon near Meridian above south</li> <li>High Tide, Moon near Anti-meridian below north</li> <li>Low Tide, Moon near Western horizon -setting</li> <li>Low Tide, Moon near Eastern horizon -rising</li> </ul>	<ul style="list-style-type: none"> <li>NM -New Moon</li> <li>FM -Full Moon</li> <li>P -Perigee: Moon nearest Earth (358 971km)</li> <li>LQ -Last Quarter Moon</li> <li>FQ -First Quarter Moon</li> <li>A -Apogee: Moon farthest from Earth (405 724 km)</li> </ul>	<p>Factors which increase the vertical range of tide, especially when perigee is close to New or Full Moon [<b>SPRING TIDES</b>]</p> <p><b>Note:</b> Weather conditions can significantly affect tide range.</p>
<ul style="list-style-type: none"> <li>Moon's Declination to the Equator</li> <li>N -Maximum declination North. +27°</li> <li>E -Declination is 0° (on the Equator)</li> <li>S -Maximum declination South. -27°</li> </ul>	<ul style="list-style-type: none"> <li>Datum = lowest point below which the tide seldom falls.</li> <li>Sunrise / Sunset</li> <li>Tidal Bore in view from Mantua Bridge over Herbert River, Hants Co.</li> </ul>	<p>Factors which decrease the vertical range of tide, especially when apogee is close to Quarter Moon [<b>NEAP TIDES</b>]</p> <p>November 1 to 30, day loses about <b>69 min</b> of <b>lunlight</b></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. **Designed and prepared by Sherman Williams, Avonport, N.S. < sherm@glinx.com >**

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