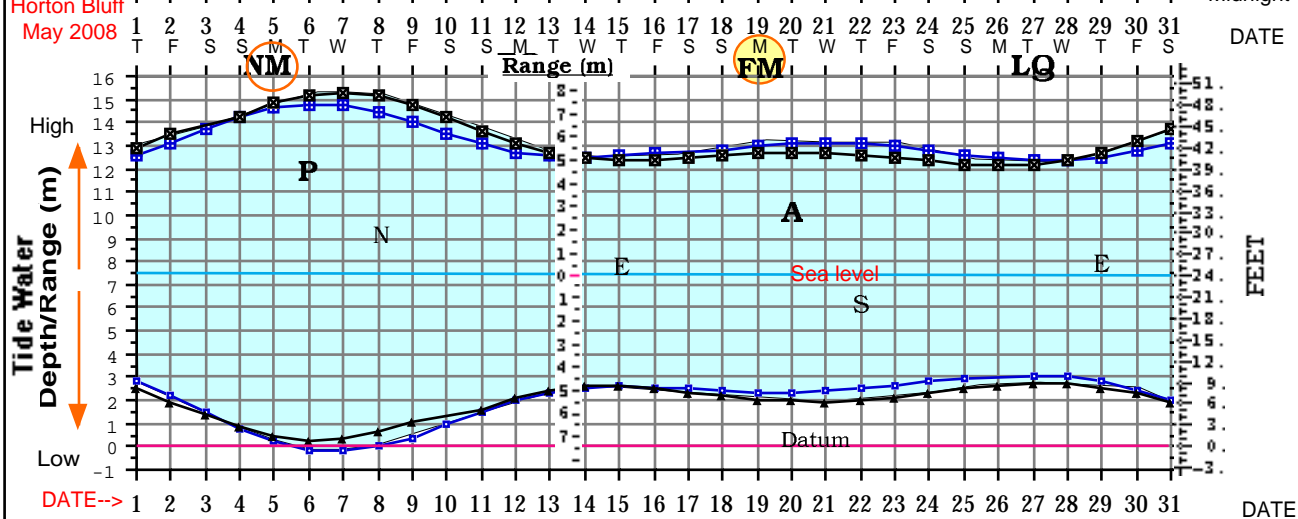
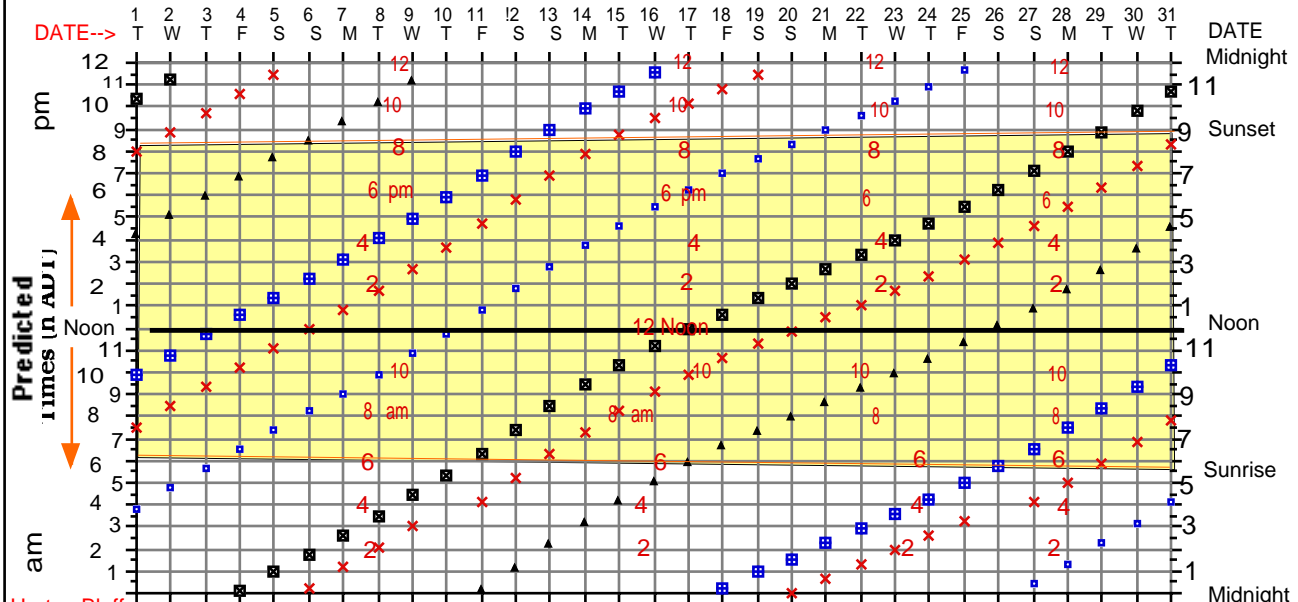


HORTON BLUFF (Minas Basin), N.S., MAY 2008

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.



S & M N B O T L E S	<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 (357 771 km)</p> <p>LQ -Last Quarter Moon</p> <p>FQ -First Quarter Moon</p> <p>A =Apogee: Moon farthest from Earth (406 403 km)</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: $+28^\circ + 28^\circ$</p> <p>E -Declination is 0° (on the Equator)</p> <p>S -Maximum declination South: -28°</p>	<p>Datum = lowest point below which the tide seldom falls.</p> <p> Sunrise / Sunset</p> <p> Tidal Bore arrives at the bridge, Mantua, Hants Co.</p>	<p>At month's end daylight has gained about 67 min..</p>	
	<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.</p>			<p>Designed© and prepared by Sherman Williams, Avonport, N.S.</p>
	<p>< sherm@glinx.com ></p>			<p>Website: http://www.glinx.com/~sherm</p>

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