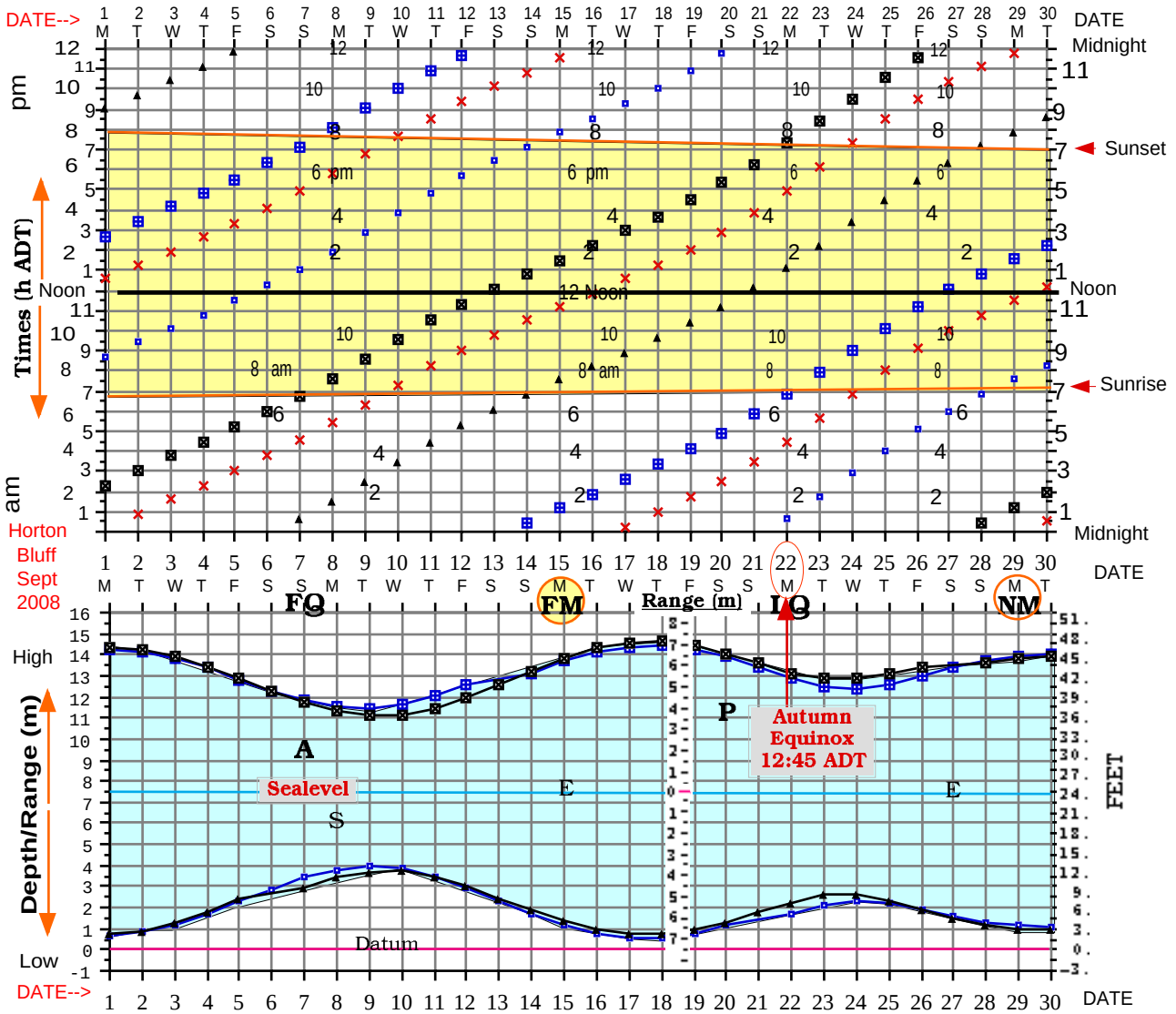
HORTON BLUFF(Minas Basin south), N.S.,SEPTEMBER 2008

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, 2006* on Saint John, N,B. References for astronomical events: *Observer's Handbook 2006* 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

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

Moon's Declination to the Equator

N -Maximum declination North.
E -Declination is 0° (on the Equator)
S -Maximum declination South.

NM -New Moon
FM -Full Moon
P -Perigee: Moon nearest Earth (368 886 km)

LQ -Last Quarter Moon
FQ -First Quarter Moon
A -Apogee: Moon farthest from Earth (404 214 km)

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.

Factors which decrease the vertical range of tide, especially when apogee is close to Quarter Moon **[NEAP TIDES]**

Datum = lowest point below which the tide seldom falls.

Sunrise / Sunset

September 1 to 30, day loses about 93 min of sunlight

Sept 22 night and day each about 12 hours long

Tidal Bore in view from Mantua Bridge over Herbert River, Hants Co.

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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