

Metadata: VIMS Tidewatch Charts Comma Separated Values (CSV) for 36-Hour Forecasts (f36)

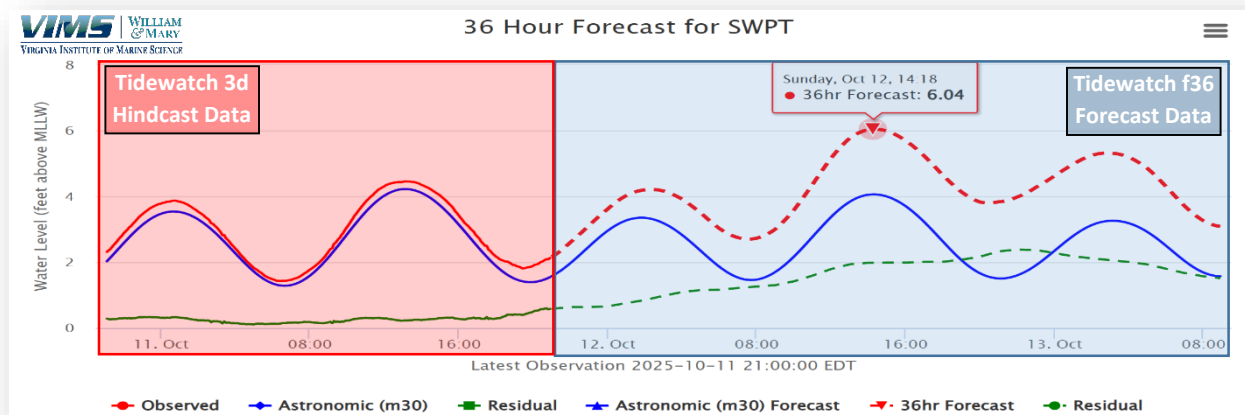


Figure 1. Example VIMS Tidewatch Chart of 36-Hour forecast data at NOAA's Sewells Point tide gauge, in Norfolk, VA, on October 11, 2025 at 21:00 EDT (2025-10-12T01:00:00Z).

Fields *f36 data downloads only include data series for the 36-hour forecast period (dashed lines)*

time Date and time of the forecast in Zulu/GMT, formatted as a string leading with the date formatted as "YYYY-MM-DD" followed by the time (T) in "hh:mm:ss" relative to Zulu (Z) time.

pa30 (Astronomic (m30) Forecast) Harmonically predicted astronomical tides in the next 36 hours, factoring in a vertical offset of mean observed water levels over the last month/30 days (m30). Formatted with double precision to 16 digits in units of feet relative to (MLLW or NAVD)

anom (Residual) This is the forecasted residual impact of atmospheric anomalies attributed to projected changes in air pressure and wind (speed and direction) in the next 36 hours. A measure of tide-separated surge guidance. Formatted with double precision to 16 digits in units of feet relative to (MLLW or NAVD)

px30 (36hr Forecast) This is the Tidewatch 36-hour predicted forecast comprised of the sum of the preceding values for "pa30 + anom", which includes the vertical offset of mean observed water levels over the last month/30 days (m30). Formatted with double precision to 16 digits in units of feet relative to (MLLW or NAVD)

Table 1. Example VIMS Tidewatch Table of 36-Hour forecast data at NOAA's Sewells Point tide gauge, in Norfolk, VA, on October 11, 2025 at 21:00 EDT (2025-10-12T01:00:00Z).

time	pa30	anom	px30
2025-10-12T01:00:00Z	1.575943797775860	0.580629890085332	2.156573687861190
2025-10-12T01:06:00Z	1.607133187065360	0.585912045360676	2.193045232426040
2025-10-12T01:12:00Z	1.640459719170560	0.591194200636021	2.231653919806580
2025-10-12T01:18:00Z	1.675830014840740	0.596476355911366	2.272306370752110
2025-10-12T01:24:00Z	1.713146284762690	0.601758511186711	2.314904795949400
2025-10-12T01:30:00Z	1.752306324588920	0.607040666462056	2.359346991050980
2025-10-12T01:36:00Z	1.793203514864650	0.612322821737401	2.405526336602050
2025-10-12T01:42:00Z	1.835726832728220	0.617604977012746	2.453331809740970
2025-10-12T01:48:00Z	1.879760882242720	0.622887132288090	2.502648014530810
2025-10-12T01:54:00Z	1.925185950019680	0.628169287563435	2.553355237583120
2025-10-12T02:00:00Z	1.971878092422320	0.633451442838780	2.605329535261100