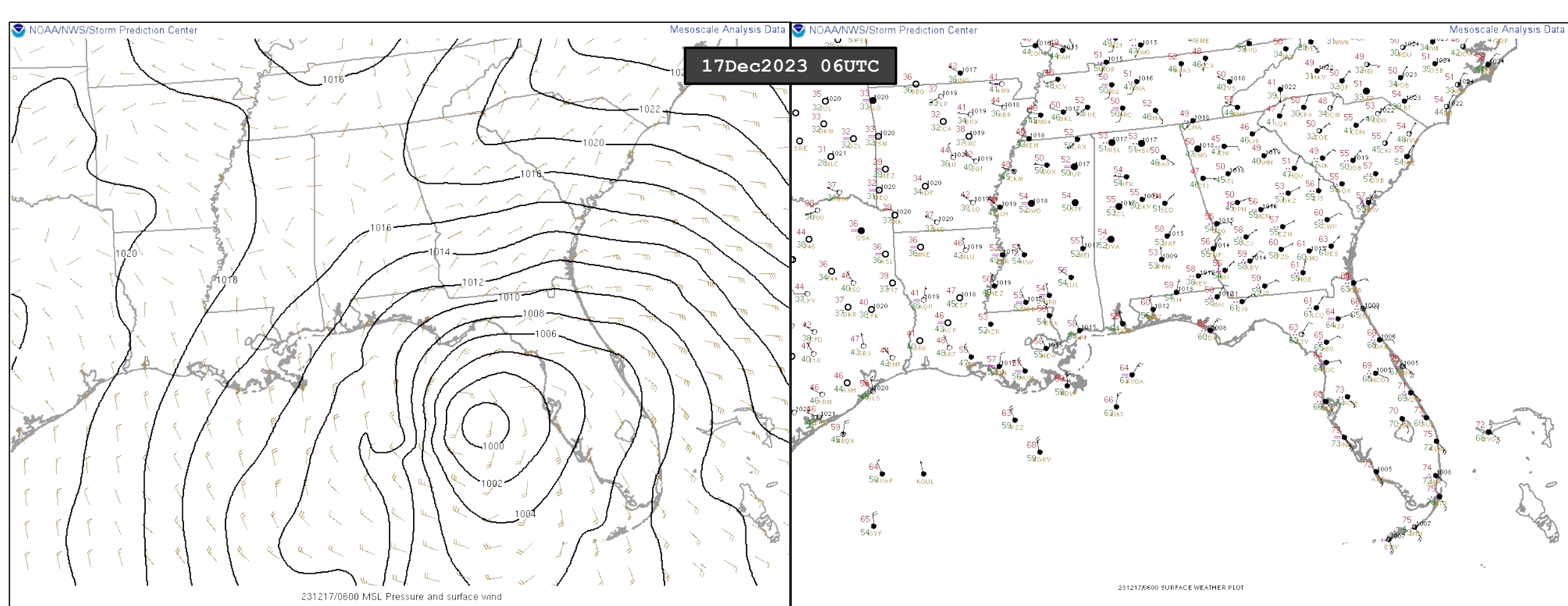
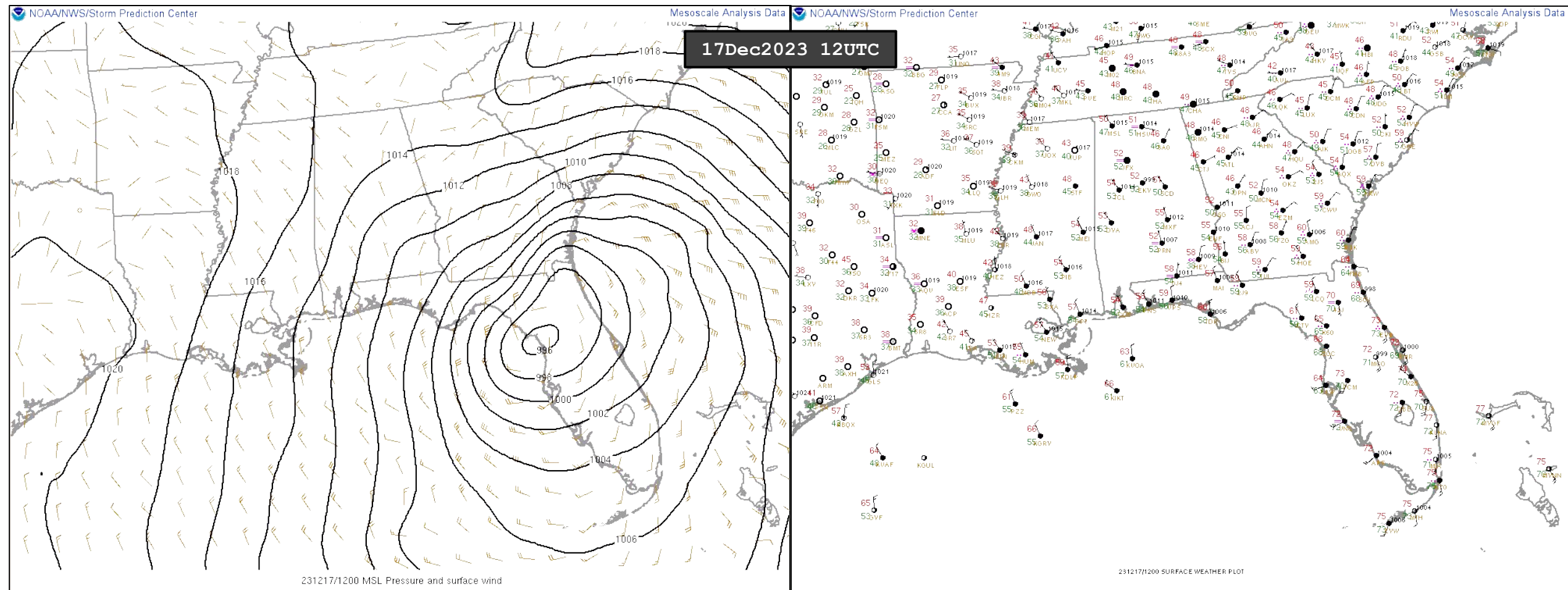


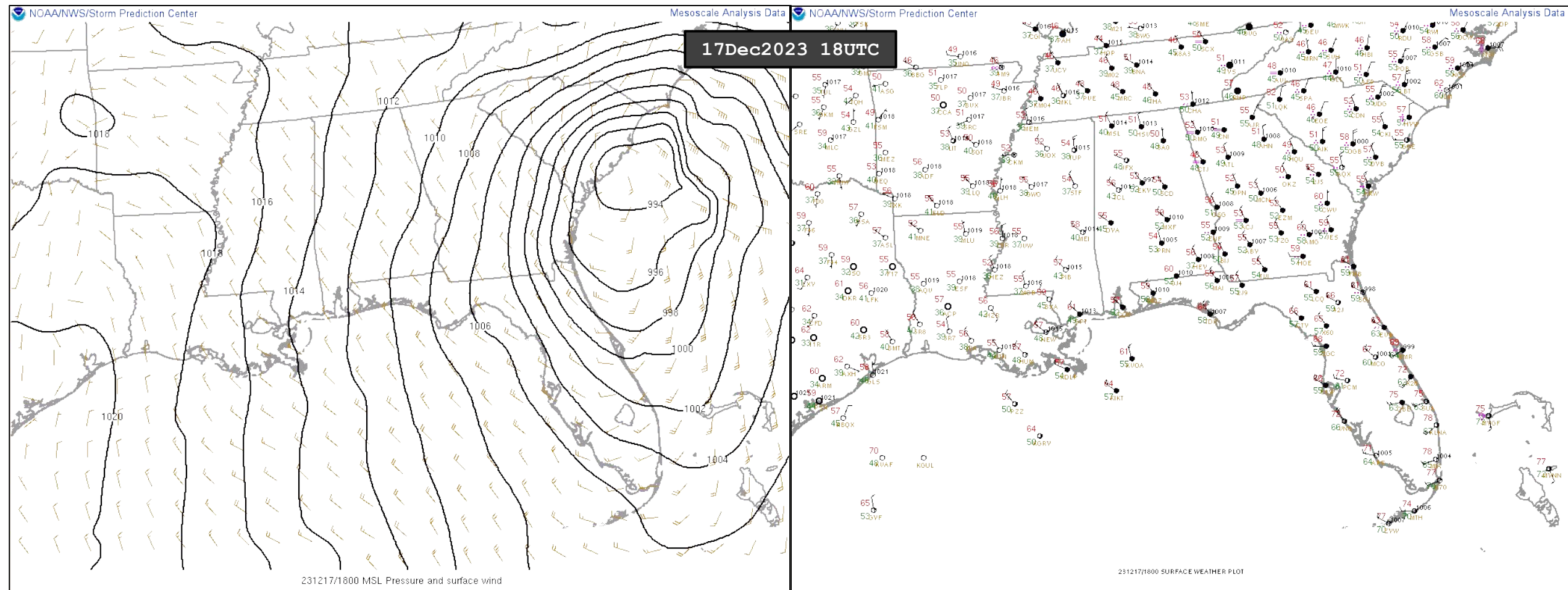
- A cold front pushed across the Florida peninsula during the early morning hours on Monday, 11 December 2023, before becoming stationary over the southern Gulf of Mexico and northwest Caribbean Sea, where it would remain through the week.
- Strong surface high pressure centered over the Ohio Valley led to a tightened pressure gradient over the state mid- to late-week, with strong easterly/offshore winds over western Florida causing below normal water levels, particularly at low tide.
- A wave of low pressure formed in the central Gulf of Mexico along the remnant stationary frontal boundary on Saturday, 16 December 2023, and moved northeast over the Florida peninsula on Sunday, 17 December 2023, bringing above normal water levels, particularly at high tide.
- After minimum observed water levels between 1 and 2 feet below MLLW during the week, maximum observed water levels over the weekend were between 2 and 4 feet above MHHW, with 3 new top-5 high water levels established, along with 3 new top-10 high water levels.



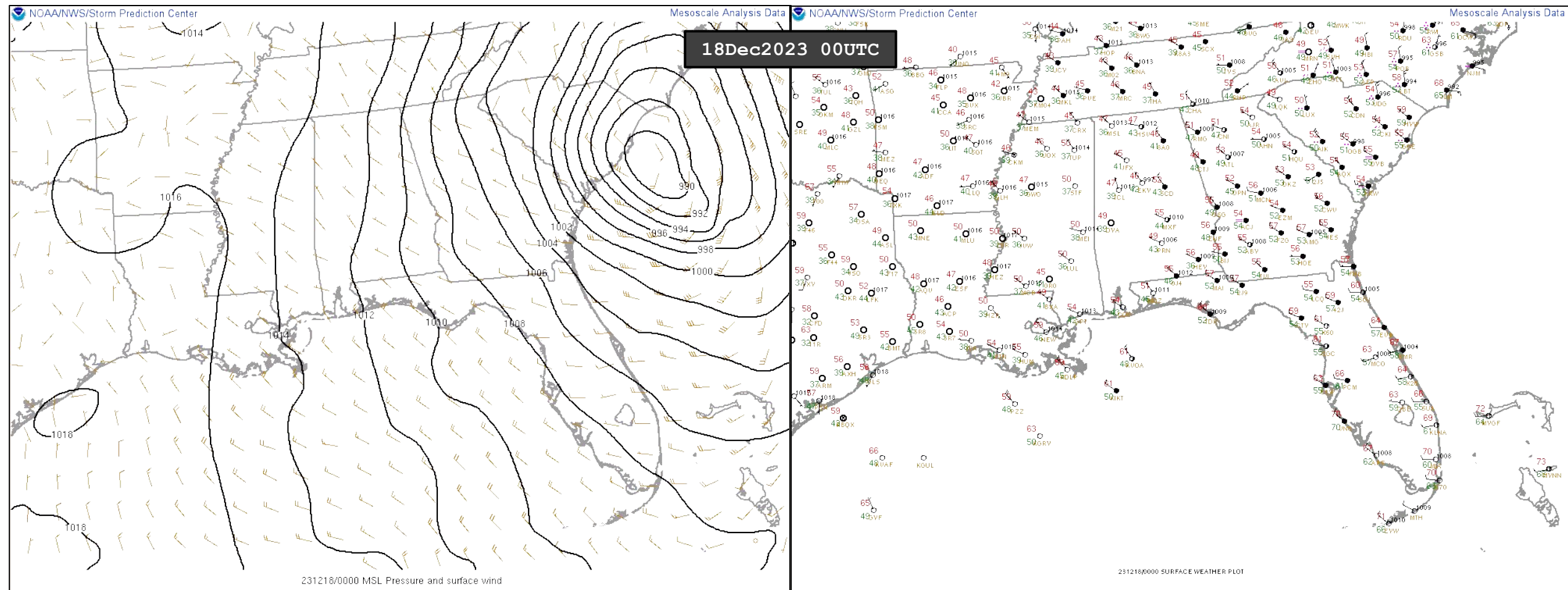
- A cold front pushed across the Florida peninsula during the early morning hours on Monday, 11 December 2023, before becoming stationary over the southern Gulf of Mexico and northwest Caribbean Sea, where it would remain through the week.
- Strong surface high pressure centered over the Ohio Valley led to a tightened pressure gradient over the state mid- to late-week, with strong easterly/offshore winds over western Florida causing below normal water levels, particularly at low tide.
- A wave of low pressure formed in the central Gulf of Mexico along the remnant stationary frontal boundary on Saturday, 16 December 2023, and moved northeast over the Florida peninsula on Sunday, 17 December 2023, bringing above normal water levels, particularly at high tide.
- After minimum observed water levels between 1 and 2 feet below MLLW during the week, maximum observed water levels over the weekend were between 2 and 4 feet above MHHW, with 3 new top-5 high water levels established, along with 3 new top-10 high water levels.



- A cold front pushed across the Florida peninsula during the early morning hours on Monday, 11 December 2023, before becoming stationary over the southern Gulf of Mexico and northwest Caribbean Sea, where it would remain through the week.
- Strong surface high pressure centered over the Ohio Valley led to a tightened pressure gradient over the state mid- to late-week, with strong easterly/offshore winds over western Florida causing below normal water levels, particularly at low tide.
- A wave of low pressure formed in the central Gulf of Mexico along the remnant stationary frontal boundary on Saturday, 16 December 2023, and moved northeast over the Florida peninsula on Sunday, 17 December 2023, bringing above normal water levels, particularly at high tide.
- After minimum observed water levels between 1 and 2 feet below MLLW during the week, maximum observed water levels over the weekend were between 2 and 4 feet above MHHW, with 3 new top-5 high water levels established, along with 3 new top-10 high water levels.

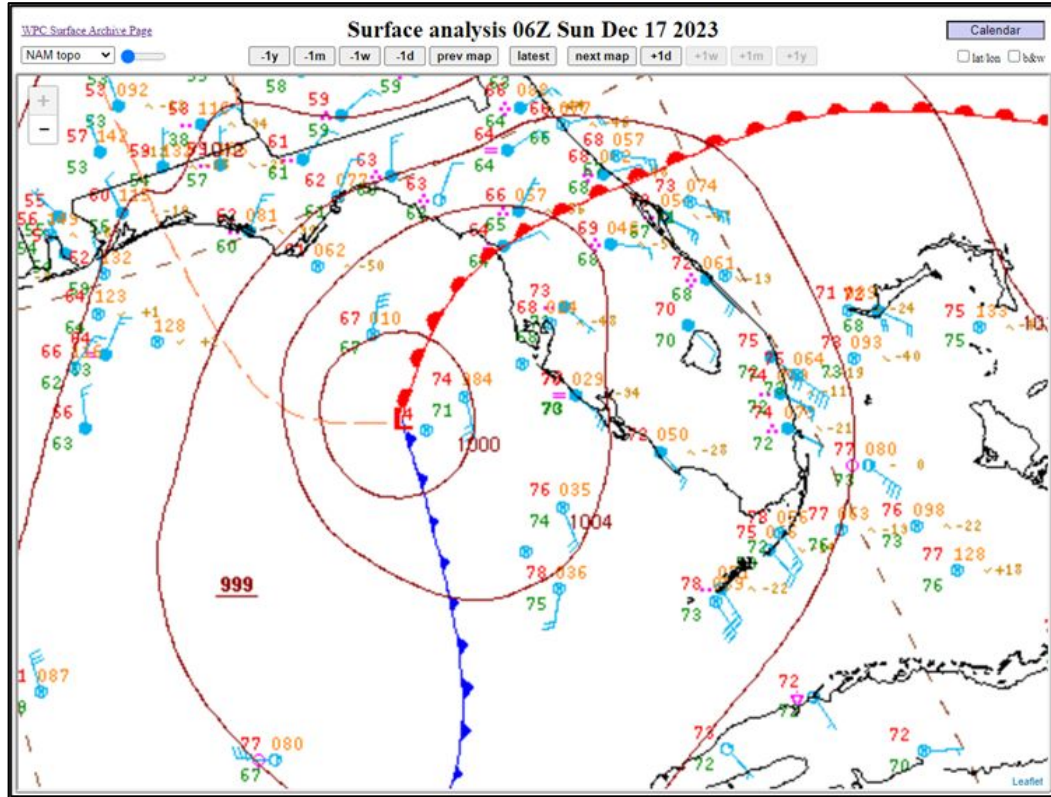


- A cold front pushed across the Florida peninsula during the early morning hours on Monday, 11 December 2023, before becoming stationary over the southern Gulf of Mexico and northwest Caribbean Sea, where it would remain through the week.
- Strong surface high pressure centered over the Ohio Valley led to a tightened pressure gradient over the state mid- to late-week, with strong easterly/offshore winds over western Florida causing below normal water levels, particularly at low tide.
- A wave of low pressure formed in the central Gulf of Mexico along the remnant stationary frontal boundary on Saturday, 16 December 2023, and moved northeast over the Florida peninsula on Sunday, 17 December 2023, bringing above normal water levels, particularly at high tide.
- After minimum observed water levels between 1 and 2 feet below MLLW during the week, maximum observed water levels over the weekend were between 2 and 4 feet above MHHW, with 3 new top-5 high water levels established, along with 3 new top-10 high water levels.



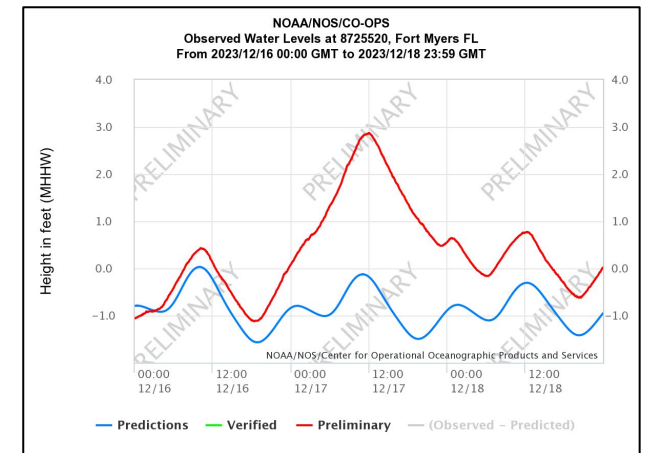
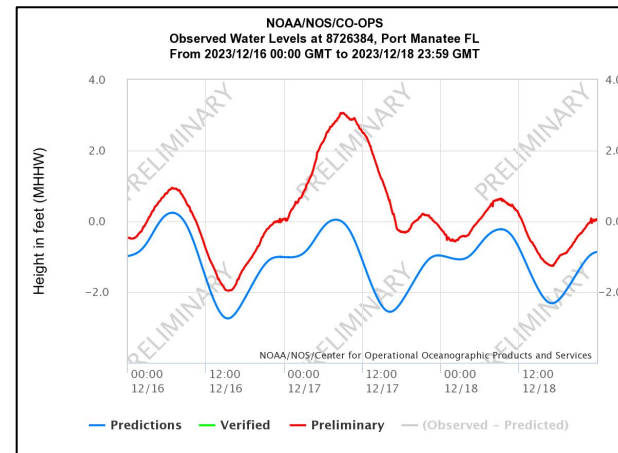
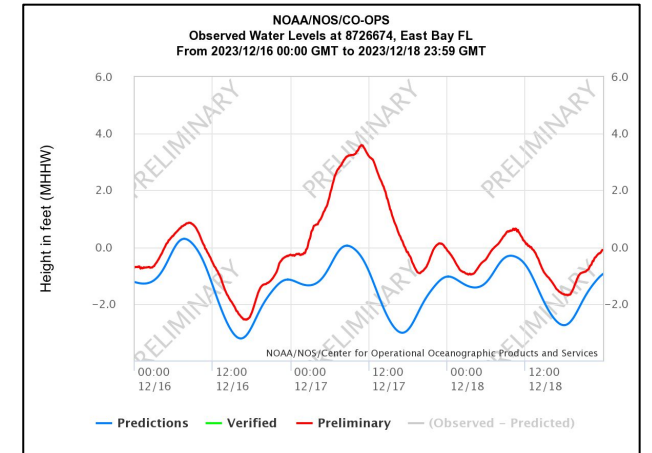
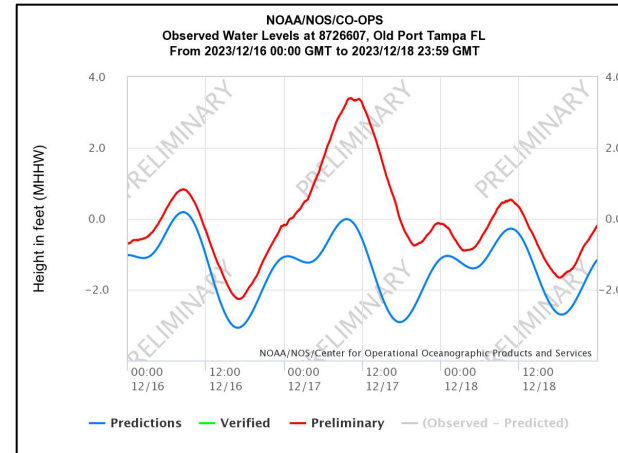
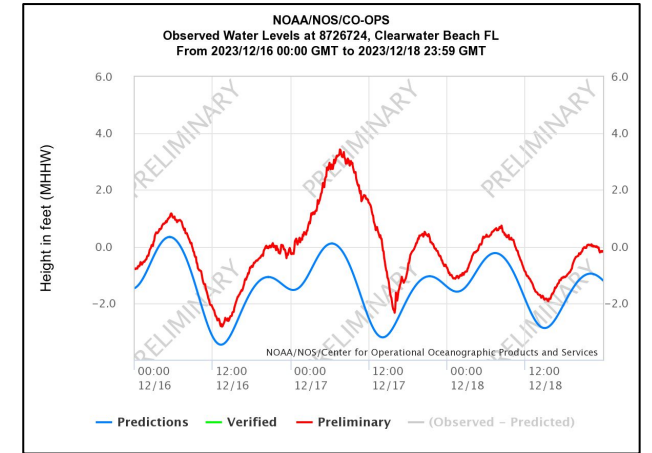
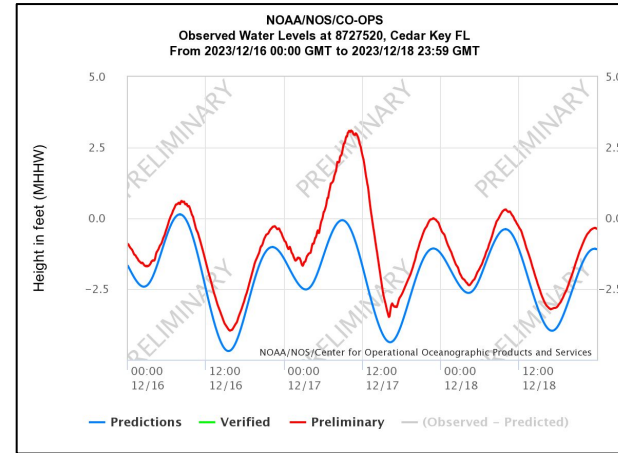
- A cold front pushed across the Florida peninsula during the early morning hours on Monday, 11 December 2023, before becoming stationary over the southern Gulf of Mexico and northwest Caribbean Sea, where it would remain through the week.
- Strong surface high pressure centered over the Ohio Valley led to a tightened pressure gradient over the state mid- to late-week, with strong easterly/offshore winds over western Florida causing below normal water levels, particularly at low tide.
- A wave of low pressure formed in the central Gulf of Mexico along the remnant stationary frontal boundary on Saturday, 16 December 2023, and moved northeast over the Florida peninsula on Sunday, 17 December 2023, bringing above normal water levels, particularly at high tide.
- After minimum observed water levels between 1 and 2 feet below MLLW during the week, maximum observed water levels over the weekend were between 2 and 4 feet above MHHW, with 3 new top-5 high water levels established, along with 3 new top-10 high water levels.

- Highest observed water levels coincided with the high tide that occurred mainly between 06Z and 12Z on 17 Dec 2023
- Southerly winds ahead of the cold front did not switch to westerly/onshore until near 12Z when the tide was receding
- Peak observed water levels were generally between 2 and 4 feet MHHW, with 3 new top-5 highest water levels established, along with 3 new top-10 highest levels

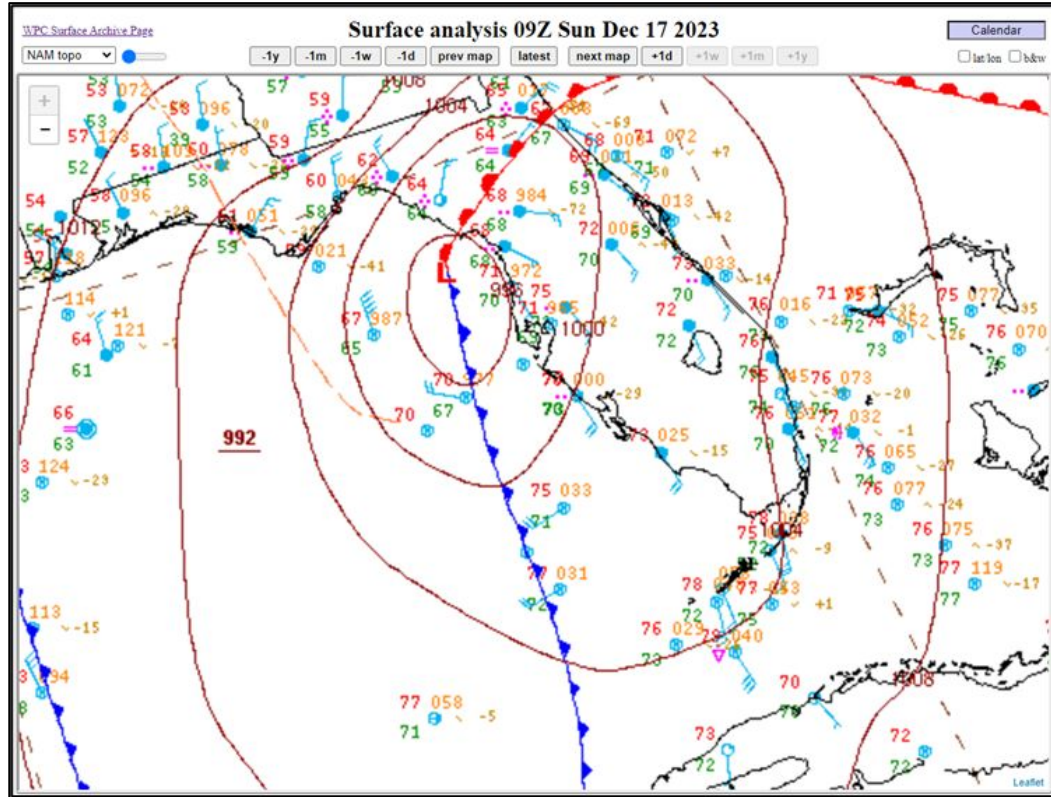


17 Dec 2023 - Peak Water Level Ranks

- Cedar Key: 3.1 ft (outside of top-10 highest)
- Clearwater Beach: 3.43 ft (3^d highest)
- Old Port Tampa: 3.4 ft (4th highest)
- East Bay: 3.6 ft (3^d highest)
- Port Manatee: 3.06 ft (6th highest)
- Fort Myers: 2.87 ft (9th highest)
- Saint Petersburg (not pictured): 3.22 ft (6th highest)

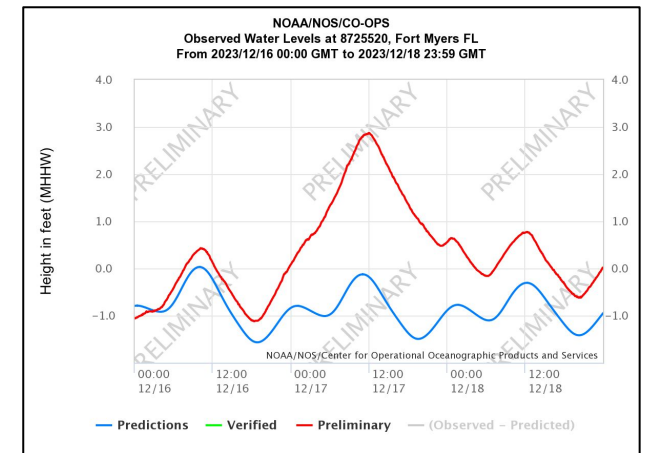
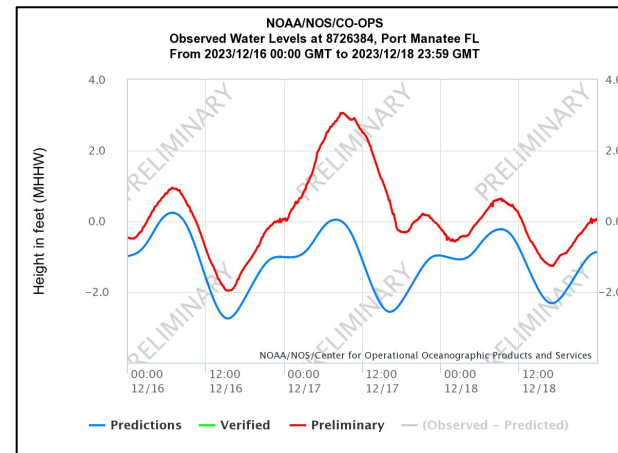
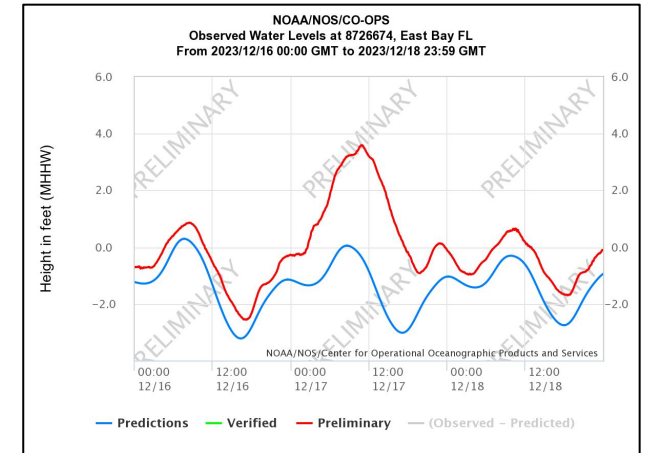
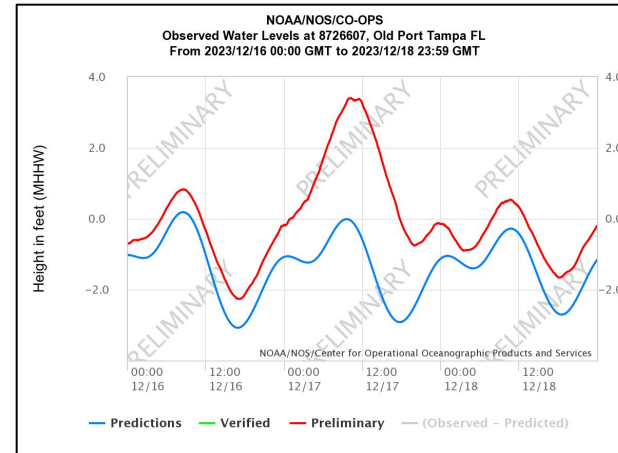
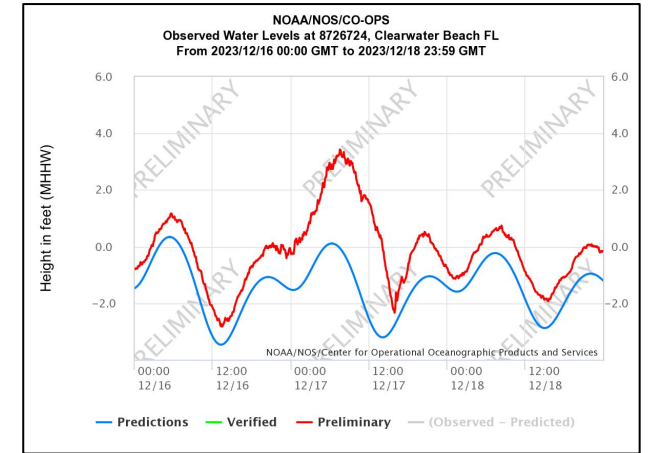
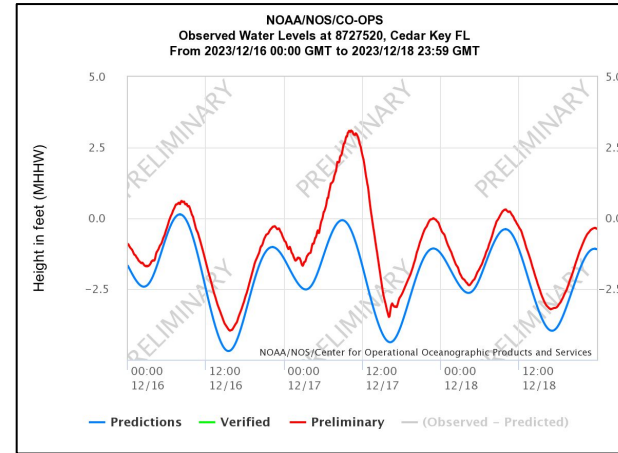


- Highest observed water levels coincided with the high tide that occurred mainly between 06Z and 12Z on 17 Dec 2023
- Southerly winds ahead of the cold front did not switch to westerly/onshore until near 12Z when the tide was receding
- Peak observed water levels were generally between 2 and 4 feet MHHW, with 3 new top-5 highest water levels established, along with 3 new top-10 highest levels

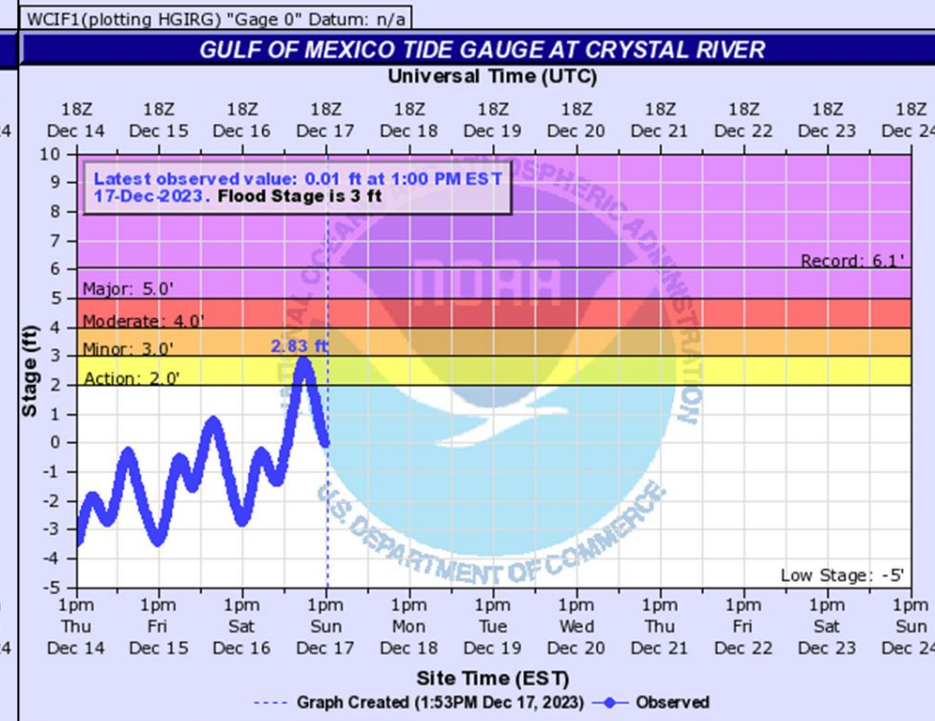
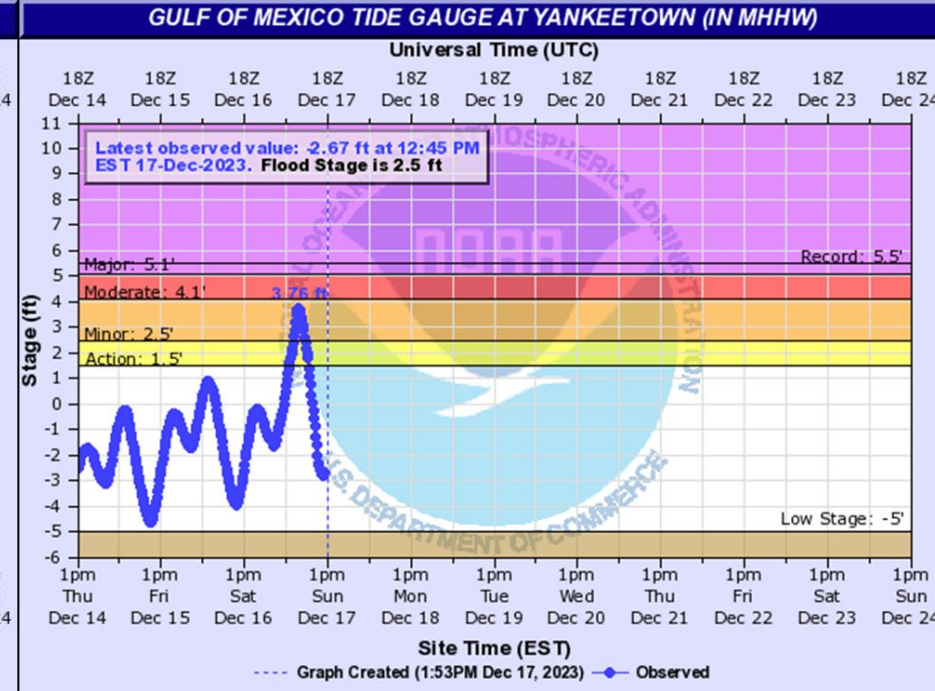
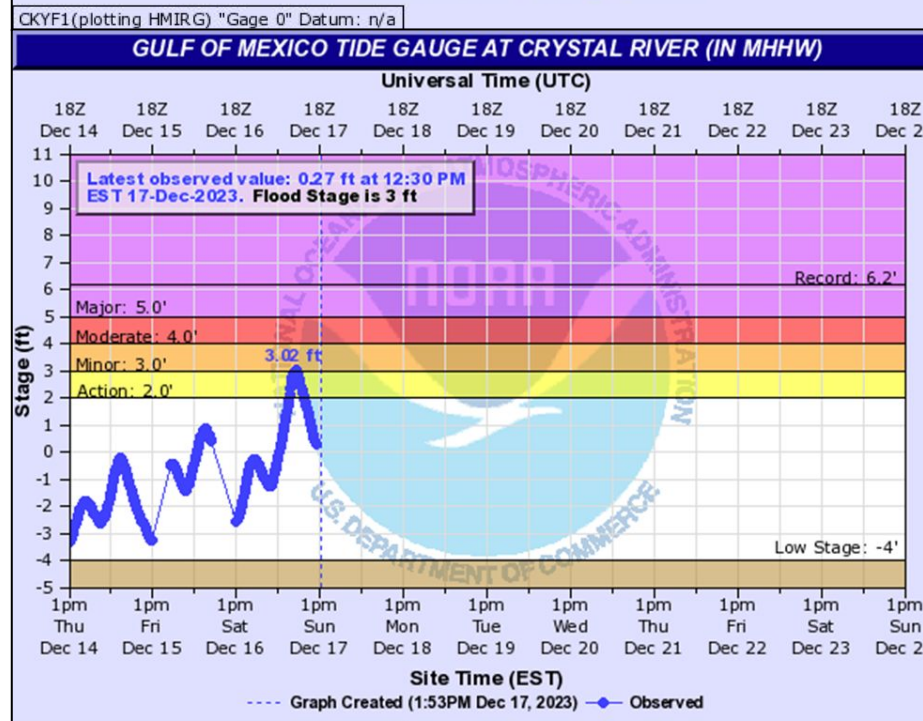
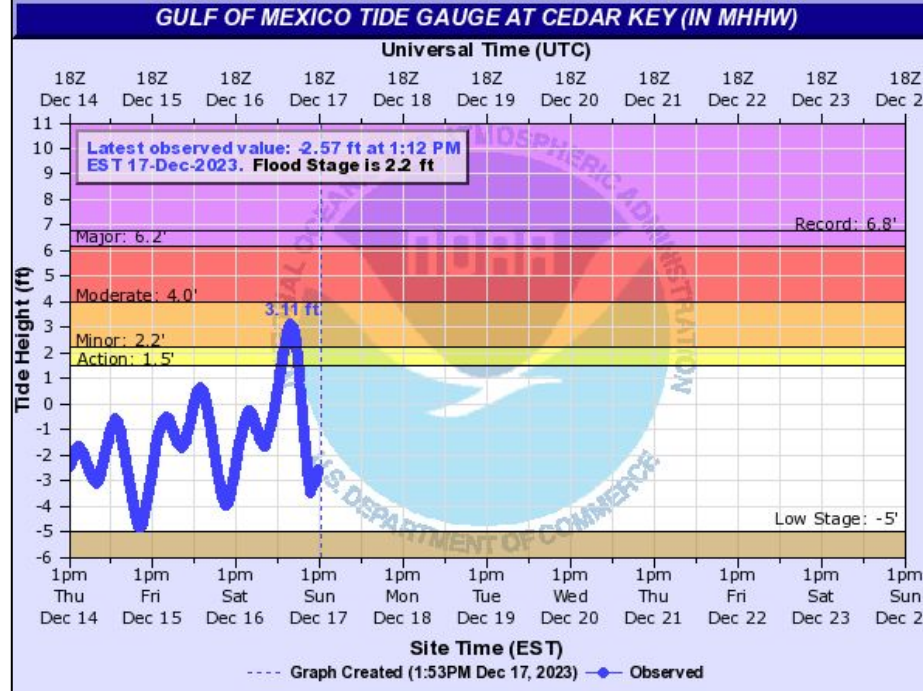


17 Dec 2023 - Peak Water Level Ranks

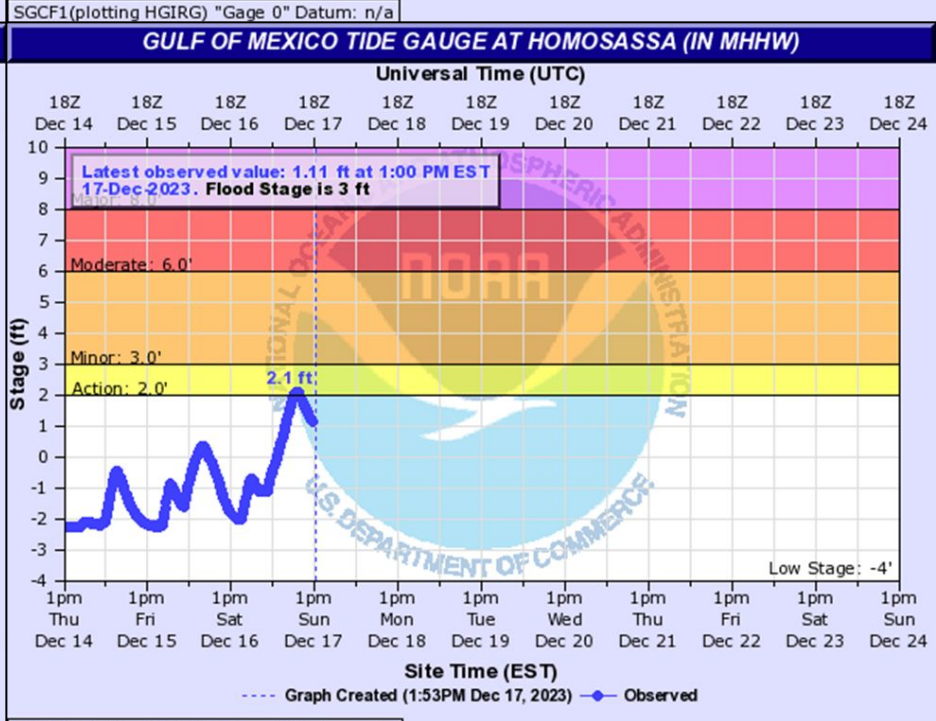
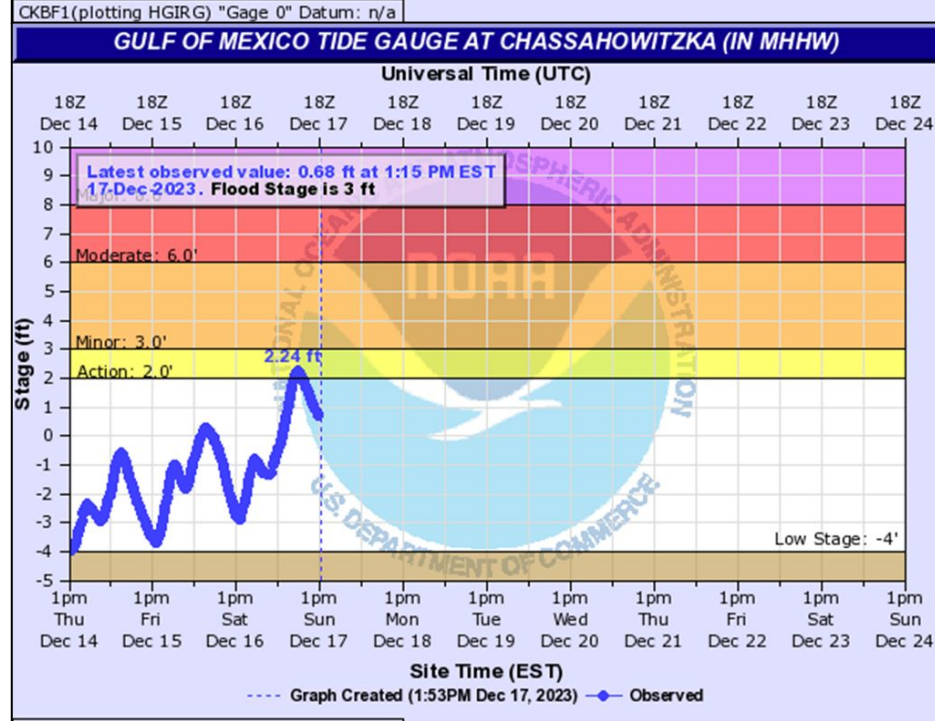
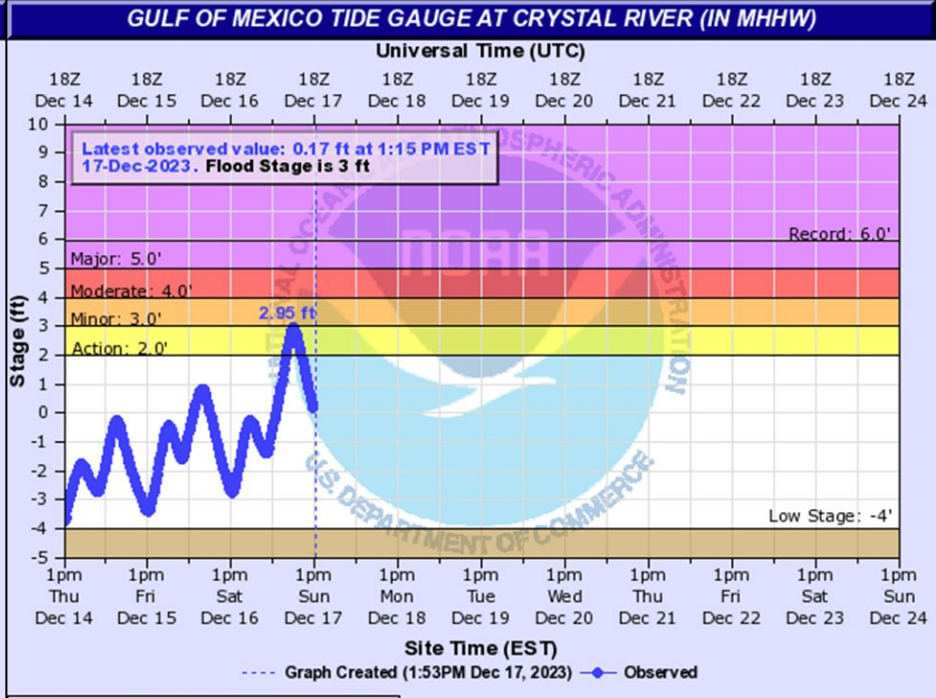
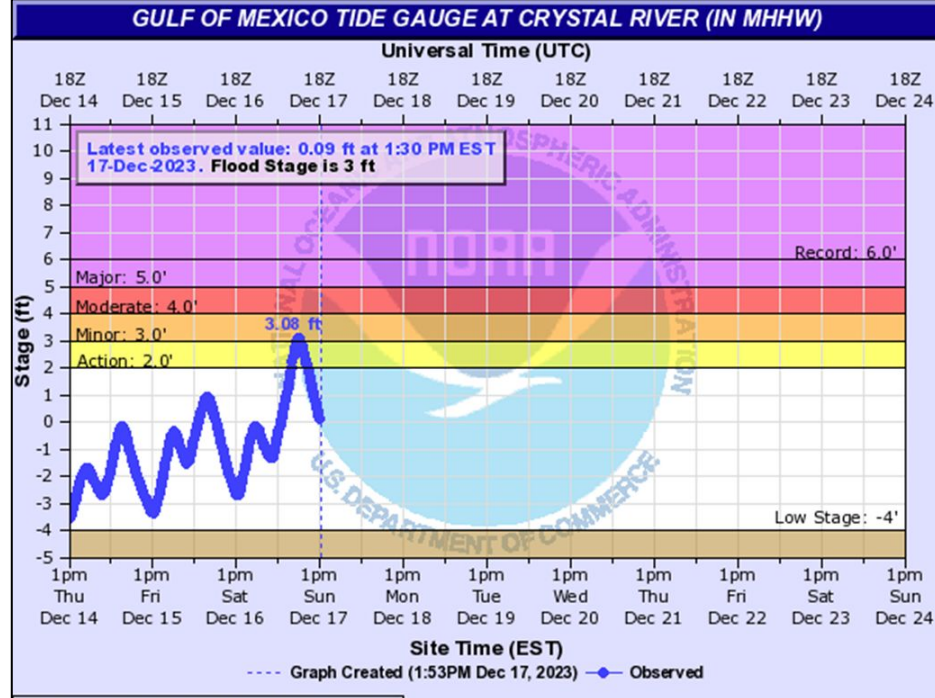
Cedar Key: 3.1 ft (outside of top-10 highest)
 Clearwater Beach: 3.43 ft (3^d highest)
 Old Port Tampa: 3.4 ft (4th highest)
 East Bay: 3.6 ft (3^d highest)
 Port Manatee: 3.06 ft (6th highest)
 Fort Myers: 2.87 ft (9th highest)
 Saint Petersburg (not pictured): 3.22 ft (6th highest)



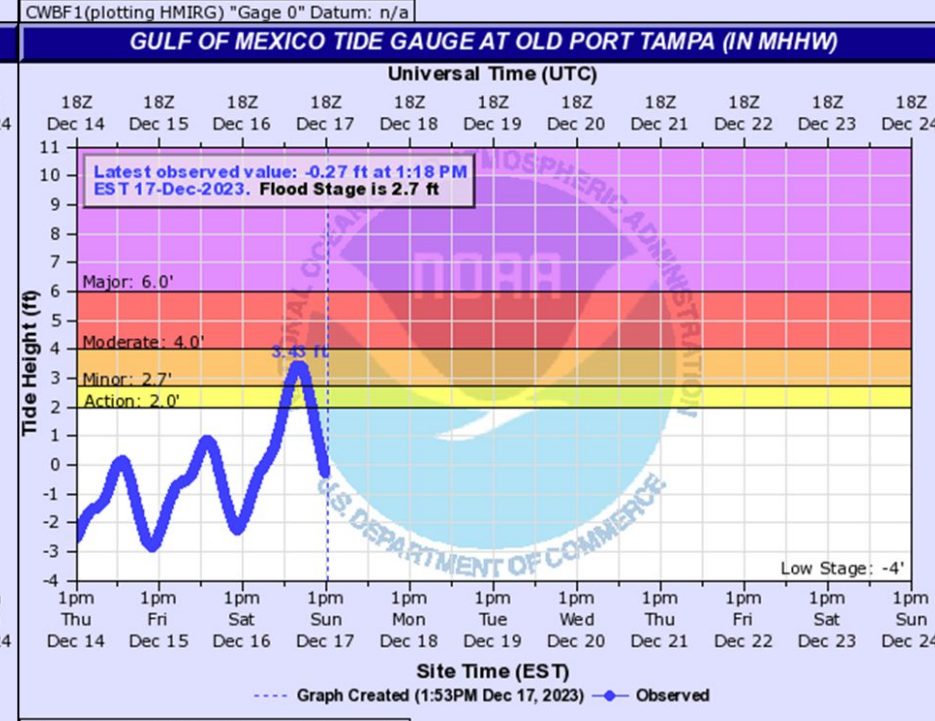
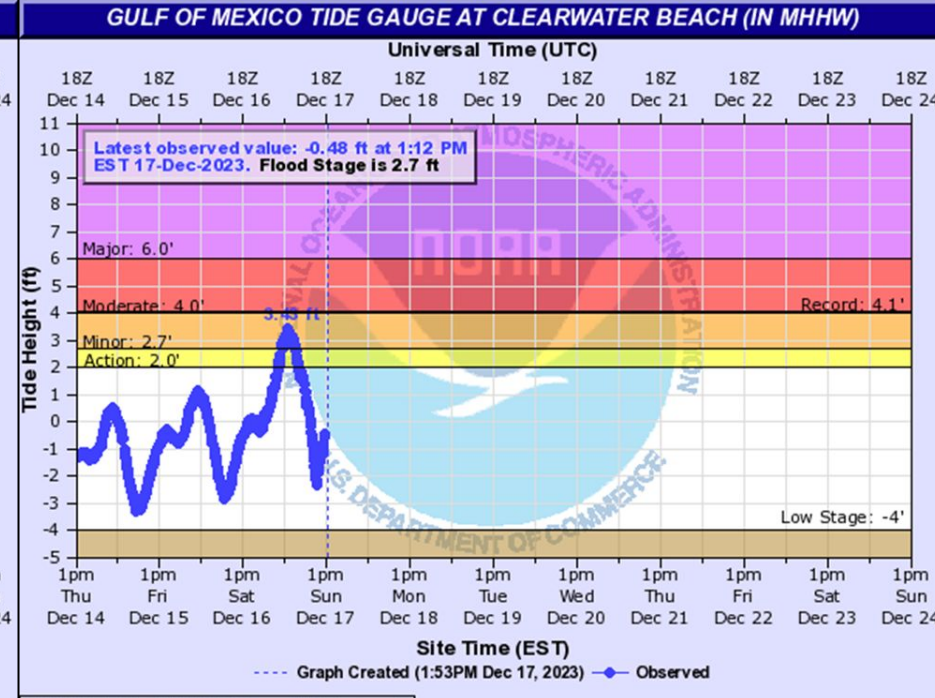
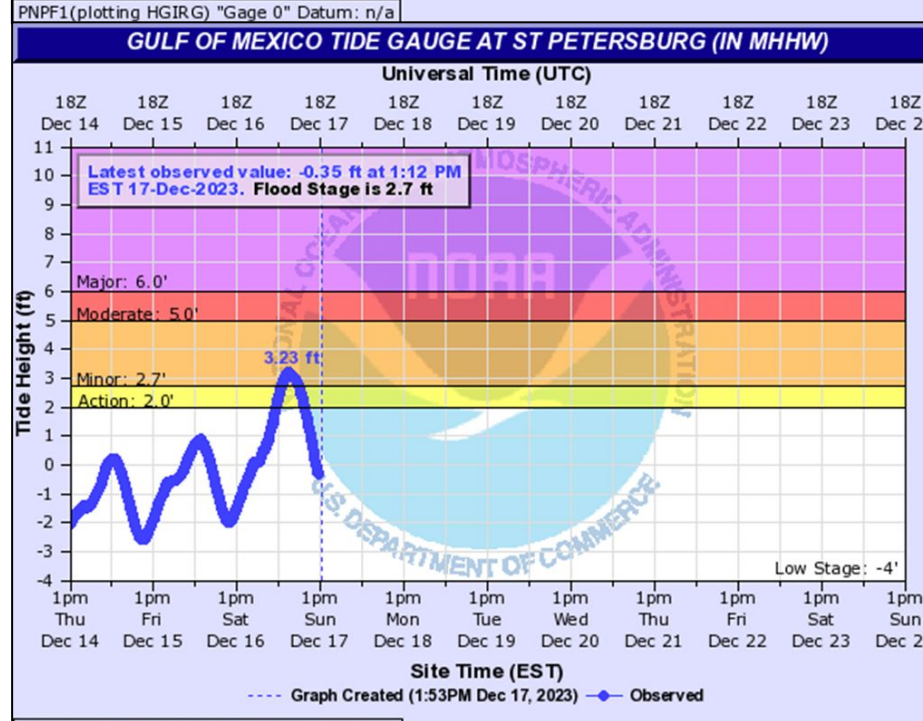
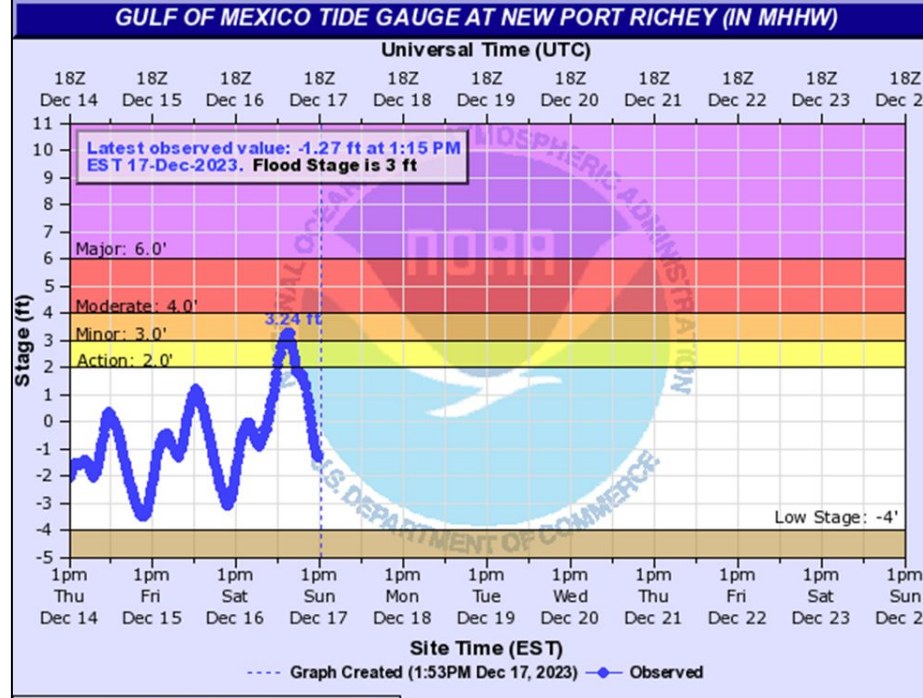
- Additional selected water level traces from Nature Coast, West Central and Southwest Florida gauges
- Gauges listed in order from north to south
- Gauges reached action to minor flood stage
- Peak observed water levels generally ranged between 2 and 4 feet MHHW



- Additional selected water level traces from Nature Coast, West Central and Southwest Florida gauges
- Gauges listed in order from north to south
- Gauges reached action to minor flood stage
- Peak observed water levels generally ranged between 2 and 4 feet MHHW



- Additional selected water level traces from Nature Coast, West Central and Southwest Florida gauges
- Gauges listed in order from north to south
- Gauges reached action to minor flood stage
- Peak observed water levels generally ranged between 2 and 4 feet MHHW



- Additional selected water level traces from Nature Coast, West Central and Southwest Florida gauges
- Gauges listed in order from north to south
- Gauges reached action to minor flood stage
- Peak observed water levels generally ranged between 2 and 4 feet MHHW

