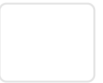




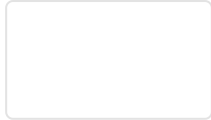
(<https://www.noaa.gov/>)

**TIDES &
CURRENTS**

(/)



[Home \(/\)](#) / [Products \(/products.html\)](#) / [Sea Level Trends](#)



Station Info

Tides/Water Levels

Meteorological Obs. (</met.html?id=9418767>)

Phys. Oceanography (</physocean.html?id=9418767>)

PORTS® (</ports/ports.html?id=9418767>)

OFS ([/ofs/ofs_station.html?stname=North Spit&ofs=wc&stnid=9418767&subdomain=nca](/ofs/ofs_station.html?stname=North%20Spit&ofs=wc&stnid=9418767&subdomain=nca))

Relative Sea Level Trend

Regional Scenarios

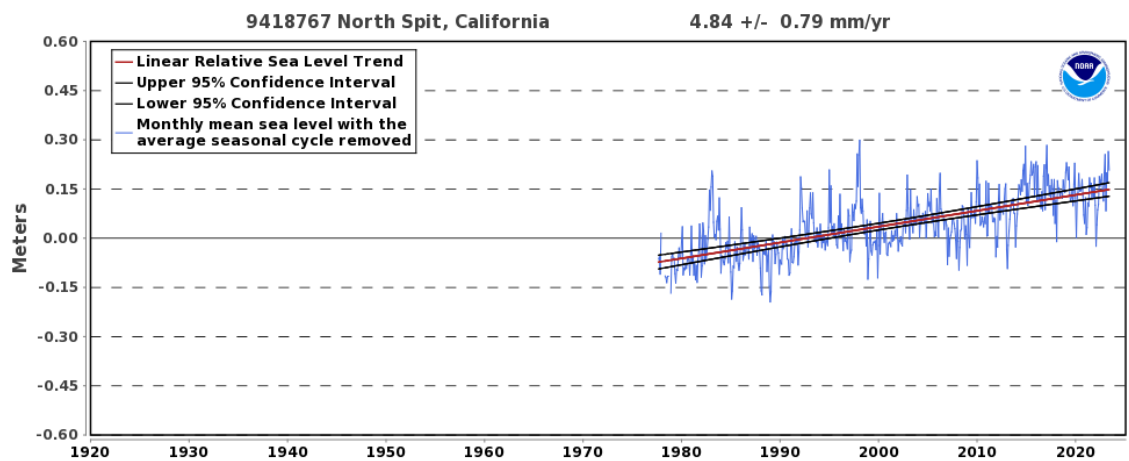
Interannual Variation

Average Seasonal Cycle

Variation Of 50-Year

RSL Trends

Relative Sea Level Trend 9418767 North Spit, California



[EXPORT TO TEXT \(DATA/9418767_MEANTREND.TXT\)](#) |

[EXPORT TO CSV \(DATA/9418767_MEANTREND.CSV\)](#) |

[SAVE IMAGE \(PLOTS/9418767_MEANTREND.PNG\)](#)

The relative sea level trend is 4.84 millimeters/year with a 95% confidence interval of +/- 0.79 mm/yr based on monthly mean sea level data from 1977 to 2022 which is equivalent to a change of 1.59 feet in 100 years.

Plots show monthly mean sea levels without the regular seasonal fluctuations from coastal ocean temperatures, salinity, wind, atmospheric pressure, and ocean currents. The relative sea level trend is also shown with its 95% confidence interval. Relative Sea Level trends at the coast can be positive

or negative. A negative trend does not mean the ocean surface is falling; It indicates the land is rising more quickly than the ocean in a particular area. Trends close to zero indicate the land is rising at nearly the same rate as the ocean.

Plotted values are relative to the most recent Mean Sea Level datum established by CO-OPS (https://tidesandcurrents.noaa.gov/datum_options.html). Calculated trends are available as a table in millimeters/year and in feet/century (<https://tidesandcurrents.noaa.gov/sltrends/mslUSTrendsTable.html>) (0.3 meters = 1 foot). If present, solid vertical lines indicate dates of any major earthquakes in the vicinity of the station. Dashed vertical lines bracket any periods of questionable data or a possible datum shift.

Products available at 9418767 North Spit, California

TIDES/WATER LEVELS

Water Levels (</waterlevels.html?id=9418767>)

NOAA Tide Predictions
(</noaatidepredictions.html?id=9418767>)

Harmonic Constituents
(</harcon.html?id=9418767>)

Sea Level Trends
(/sltrends/sltrends_station.shtml?id=9418767)

Datums (</datums.html?id=9418767>)

Bench Mark Sheets
(</benchmarks.html?id=9418767>)

Extreme Water Levels
(/est/est_station.shtml?stnid=9418767)

Reports (</reports.html?id=9418767>)

METEOROLOGICAL/OTHER

Meteorological Observations
(</met.html?id=9418767>)

Water Temp/Conductivity

PORTS®

Humboldt Bay PORTS®
(</ports/index.html?port=hb>)

PORTS® product page for North Spit
(</ports/ports.html?id=9418767>)

OPERATIONAL FORECAST SYSTEMS

West Coast
(</ofs/wcofs/wcofs.html>)
OFS product page for North Spit

INFORMATION

Station Home Page
(</stationhome.html?id=9418767>)

Data Inventory (</inventory.html?id=9418767>)

Measurement Specifications
(</measure.html>)

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