Station 41010 (LLNR 845) - CANAVERAL EAST - 120NM East of Cape Canaveral

Owned and maintained by National Data Buoy Center
3-meter discus buoy
SCOOP payload
28.878 N 78.467 W (28°52'41" N 78°28'0" W)

Site elevation: sea level
Air temp height: 3.7 m above site elevation
Anemometer height: 4.1 m above site elevation
Barometer elevation: 2.7 m above mean sea level
Sea temp depth: 1.5 m below water line
Water depth: 888 m
Watch circle radius: 1317 yards

As of 0100z, 7/6/25, the buoy from station 41010 has gone adrift. To see the latest position from the buoy, click here.

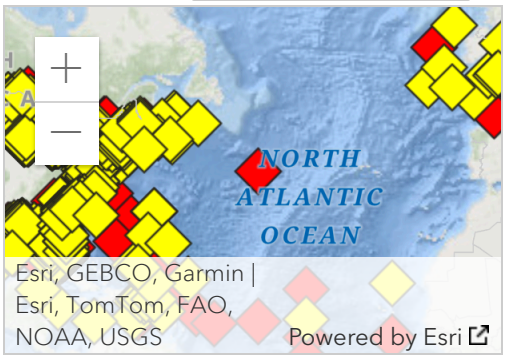
Latest NWS Marine Forecast

Important Notice to Mariners

Meteorological Observations from Nearby Stations and Ships

Refresh page every 10 minutes:

Map Type: Oceans



Large icon indicates selected station. Disclaimer

Stations with recent data
Stations with no data in last 8 hours
(24 hours for tsunami stations)

No Recent Reports

Links which are specific to this station are listed below:

- Data for last 24 hours: *No data available.*
- Data for last 5 days: *No data available.*

Help improve this site

- Data for last 45 days: *No data available.*

- **Quality controlled data for 2025** (*data descriptions*)
  - **Standard meteorological data:** Jan Feb Mar Apr May Jun Jul
  - **Spectral wave density data:** Jan Feb Mar Apr May Jun Jul
  - **Spectral wave (alpha1) direction data:** Jan Feb Mar Apr May Jun Jul
  - **Spectral wave (alpha2) direction data:** Jan Feb Mar Apr May Jun Jul
  - **Spectral wave (r1) direction data:** Jan Feb Mar Apr May Jun Jul
  - **Spectral wave (r2) direction data:** Jan Feb Mar Apr May Jun Jul
  - **Supplemental Measurements data:** Jan Feb Mar Apr May Jun Jul
- **Historical data** (*data descriptions*)
  - **Standard meteorological data:** 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024
  - **Continuous winds data:** 2014 2015 2016
  - **Spectral wave density data:** 1996 1997 1998 1999 2000 2001 2002 2003 2004 2004b 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024
  - **Spectral wave (alpha1) direction data:** 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024
  - **Spectral wave (alpha2) direction data:** 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024
  - **Spectral wave (r1) direction data:** 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024
  - **Spectral wave (r2) direction data:** 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024
  - **Ocean current data:** 2010
  - **Supplemental measurements data:** 2017 2018 2019 2020 2021 2022 2023 2024
- **Search historical meteorological data for observations that meet your threshold conditions**
- **Climatic summary table (TXT) and plots of** (*description of tables and plots)*
  - wind speed
  - air temperature
  - sea temperature
  - air-sea temperature
  - dew point temperature
  - air-dew point temperature
  - sea level pressure
  - wind gust
  - significant wave height
  - average wave period
  - dominant wave period

Some data files have been compressed with the GNU gzip program.

The weekly status report and the weekly maintenance report also provide valuable station information.

Note that the payload types and the station locations occasionally change.

NDBC on Facebook NOAA on LinkedIn NDBC on Twitter

US Dept of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
National Data Buoy Center
Building 3205
Stennis Space Center, MS, 39529
webmaster.ndbc@noaa.gov

Disclaimer
Information Quality
Help
Glossary

Privacy Policy
Freedom of Information Act (FOIA)
About Us
Career Opportunities