

Real-time access for drifting buoy data

To access real-time data from drifting buoys, please visit the NOAA Observing System Monitoring Center (OSMC) webpage at https://viz.pmel.noaa.gov/osmc/?platform_type=DRIFTING%20BUOYS&color_by=platform_type. Here, you'll see the entire in-situ monitoring network, from which you can choose the desired platform(s), data parameter, country, etc.

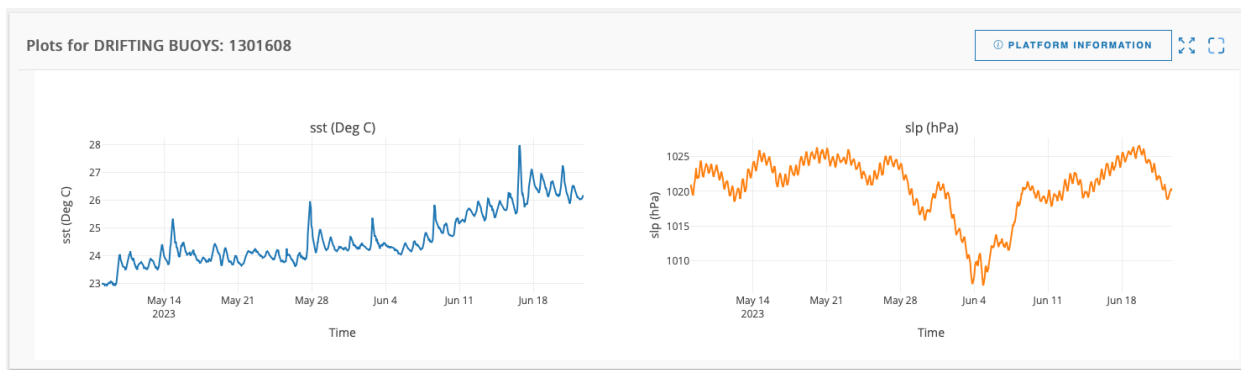
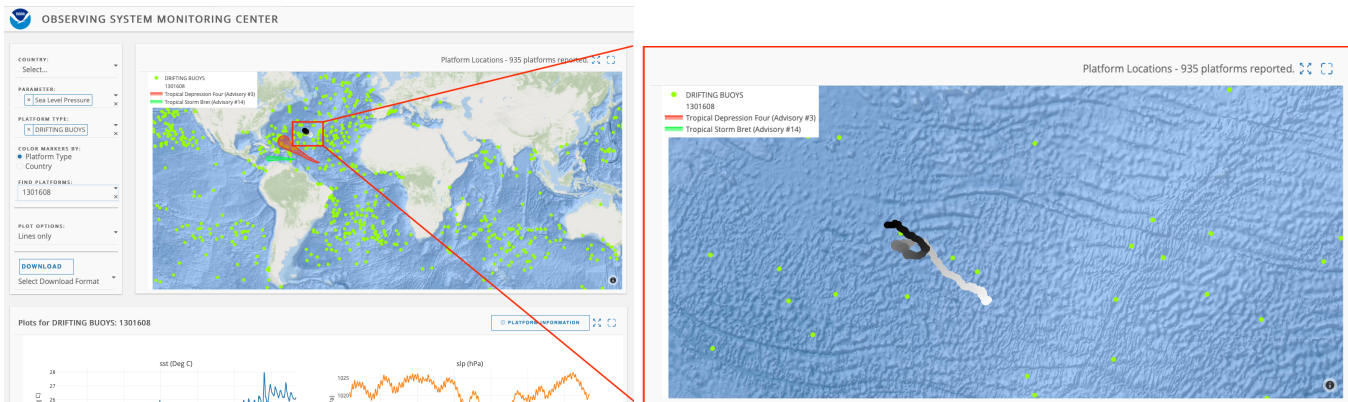
1. To view an individual buoy, select the WMO # from within the "Find Platforms" dropdown menu. (If you need WMO #'s, visit <http://www.aoml.noaa.gov/phod/dac/wmoid.html>.)

The screenshot shows the NOAA Observing System Monitoring Center (OSMC) interface. The page title is "OBSERVING SYSTEM MONITORING CENTER". On the left side, there are several dropdown menus: "COUNTRY:", "PARAMETER:", "PLATFORM TYPE:", and "FIND PLATFORMS:". The "FIND PLATFORMS:" dropdown menu is open, showing a list of WMO numbers: 1301570, 1301571, 1301578, 1301591, 1301594, and 1301603. A red arrow points to the "FIND PLATFORMS:" dropdown menu. The main map area shows "Platform Locations - 1439 platforms reported." with a legend for "DRIFTING BUOYS" (yellow dots), "Tropical Depression Four (Advisory #2)" (red), and "Tropical Storm Bret (Advisory #13A)" (green). The map shows a global view with a focus on the Atlantic Ocean. Below the map, there is a "Select a platform from the map or menu..." prompt and a "PLATFORM INFORMATION" button.

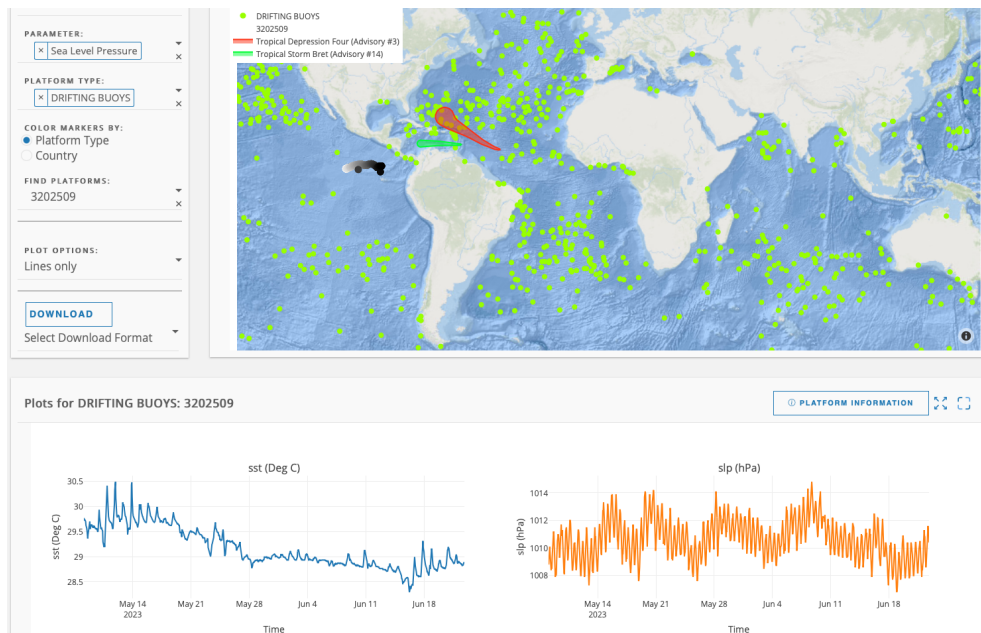
2. Next, select the desired data parameter(s).

The screenshot shows the NOAA Observing System Monitoring Center (OSMC) interface. The page title is "OBSERVING SYSTEM MONITORING CENTER". On the left side, there are several dropdown menus: "COUNTRY:", "PARAMETER:", "PLOT OPTIONS:", and "DOWNLOAD:". The "PARAMETER:" dropdown menu is open, showing a list of data parameters: "Sea Level Pressure", "Sea Surface Temperat...", "Temperature Profile", "Air Temperature", "Salinity", "Wind Speed", and "Wind Direction". A red arrow points to the "PARAMETER:" dropdown menu. The main map area shows "Platform Locations - 935 platforms reported." with a legend for "DRIFTING BUOYS" (yellow dots), "Tropical Depression Four (Advisory #2)" (red), and "Tropical Storm Bret (Advisory #13A)" (green). The map shows a global view with a focus on the Atlantic Ocean. Below the map, there is a "Select a platform from the map or menu..." prompt and a "PLATFORM INFORMATION" button.

3. Once you've entered the WMO # and desired data parameter(s), the map will automatically refresh, providing both a plot of the drifter track within the map, but also displaying data from the selected drifter below.



3b. You can also double click a buoy on the map to generate a trajectory plot and graph sensor data.



4. To download buoy data, including latitude, longitude, time, sensor data, etc. First, select the desired download format, then simply click Download.

The screenshot displays the Observing System Monitoring Center interface. On the left, a sidebar contains several filter sections: 'COUNTRY: Select...', 'PARAMETER: Sea Level Pressure', 'PLATFORM TYPE: DRIFTING BUOYS', 'COLOR MARKERS BY: Platform Type (selected) and Country', and 'FIND PLATFORMS: 3202509'. Below these is a 'PLOT OPTIONS: Lines only' section. A red box highlights a 'DOWNLOAD' button, which has opened a dropdown menu with the text 'Select Download Format' and three options: 'CSV', 'netCDF', and 'HTML'. Red arrows point from the text in the first step to the 'DOWNLOAD' button and the 'CSV' option. The main area features a map titled 'Platform Locations - 935 platforms reported.' with a legend for 'DRIFTING BUOYS 3202509' and weather advisories. A 'PLATFORM INFORMATION' button is visible at the bottom right.