

Real-time access to plot drifter data – Multiple drifters

To plot real-time data from drifting buoys, please visit the NOAA OSMC ERDDAP webpage at http://osmc.noaa.gov/erddap/tabledap/OSMC_30day.graph. Here, you will see the list of possible variables. Examples include: date ranges, sst data, slp data, etc.

1. To begin, select the variable to be graphed.

ERDDAP
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ERDDAP > tabledap > Make A Graph

Dataset Title: [OSMC 30 day RT data](#) [RSS](#)
 Institution: OSMC (Dataset ID: OSMC_30day)
 Range: longitude = -180.0 to 180.0°E, latitude = -89.0 to 89.0°N
 Information: [Summary](#) | [License](#) | [FGDC](#) | [ISO 19115](#) | [Metadata](#) | [Background](#) | [Subset](#) | [Data Access Form](#)

Graph Type: markers
 X Axis: longitude
 Y Axis: latitude
 Color: time

Constraints

Optional Constraint #1	Optional Constraint #2
time >= 2018-05-04T00:00:00Z	time <= 2018-05-11T00:00:00Z
>=	<=
>=	<=
>=	<=
>=	<=

Server-side Functions

distinct
 orderBy: (*)

Graph Settings

Marker Type: Filled Square
 Size: 5
 Color:
 Color Bar: Continuity: Scale:
 Min: Max: N Sections:
 Draw the land mask:
 Y Axis Minimum: Maximum: ascending

Redraw the Graph (Please be patient. It may take a while to get the data.)

Optional:
 Then set the File Type: .htmlTable and [Download the Data or an Image](#)
 or view the URL: http://osmc.noaa.gov/erddap/tabledap/OSMC_30day.htmlTable?longitude,latitude
[Documentation](#) / [Bypass this form](#) [File Type information](#)

Click on the map to specify a new center point.
 Zoom: Out 8x | Out 2x | Out | Data | In | In 2x | In 8x
 Time range: 7 day(s)

observation depth
 OSMC 30 day RT data
 time >= 2018-05-04T00:00:00Z, time <= 2018-05-11T00:00:00Z
 Data courtesy of OSMC

2. After choosing the variable to plot, select the date range of interest. If the buoy is still active, enter the initial date (ie., deployment date), then remove the date listed in “Operational Constraint #2”. If the buoy is no longer active, enter the initial date and final date in “Operational Constraint #1” and “Operational Constraint #2” respectively.

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Graph Type: markers
 X Axis: longitude
 Y Axis: latitude
 Color: time

Constraints

Optional Constraint #1	Optional Constraint #2
time >= 2018-07-01T00:00:00Z	
>=	<=
>=	<=
>=	<=
>=	<=

Server-side Functions

distinct
 orderBy: (*)

Graph Settings

Marker Type: Filled Square
 Size: 5
 Color:
 Color Bar: Continuity: Scale:
 Min: Max: N Sections:
 Draw the land mask:
 Y Axis Minimum: Maximum: ascending

Redraw the Graph (Please be patient. It may take a while to get the data.)

Optional:
 Then set the File Type: .htmlTable and [Download the Data or an Image](#)
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[Documentation](#) / [Bypass this form](#) [File Type information](#)

Click on the map to specify a new center point.
 Zoom: Out 8x | Out 2x | Out | Data | In | In 2x | In 8x
 Time range: 7 day(s)

observation depth
 OSMC 30 day RT data
 time >= 2018-07-01T00:00:00Z, time <= 2018-05-11T00:00:00Z
 Data courtesy of OSMC

3. Next, select “platform_code” from the “Constraints” field. After selecting “platform_code”, enter each WMO number within “Optional Constraint #1”, ensuring that each ID is within double quotes (“...”) and the operator for this constraint is set to “=~”. The operator selection is found to the left of the Optional Constraint field. If you are interested in multiple WMO numbers, ensure they are separated by the pipe or bar symbol (|) and within double quotes (“...”).

For example, a single drifter should appear as: =~ “2201545”, while the suitable option for multiple drifters is: =~ “32699|4601615|2201545”.

Please Note: There are no spaces between the WMO # and pipe or bar symbol (|).

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Graph Type: markers

X Axis: longitude

Y Axis: latitude

Color: time

Constraints

Field	Operator	Value	Optional Constraint #1	Optional Constraint #2
time	>=	2016-07-01T00:00:00Z		
platform_code	=~	"4601517 4601514"		

Server-side Functions

distinct()

orderBy: platform_code, time

Graph Settings

Marker Type: Filled Square

Color: OSMC

Color Bar: Continuity

Min: Max: N Sections: Scale:

Draw the land mask:

Y Axis Minimum: Maximum: ascending

Redraw the Graph (Please be patient. It may take a while to get the data.)

Optional: Then set the File Type: .htmlTable and Download the Data or an Image or view the URL: http://osmc.noaa.gov/erddap/tabledap/OSMC_30day.htmlTable?longitude/latitude (Documentation / Bypass this form) (File Type Information)

Click on the map to specify a new center point.

Zoom: Out 8x | Out 2x | Out | Data | In | In 2x | In 8x

Time range: 7 day(s)

Map: observation depth OSMC 30 day RT data (time <= 2016-05-04T00:00:00Z, time >= 2016-05-11T00:00:00Z) Data courtesy of OSMC

If you have multiple drifters and the WMO #'s are in sequential order, enter the first WMO # in “Optional Constraint #1” and the final WMO # in “Optional Constraint #2”. For example, if the desired sequence of WMO #'s includes 4101552, 4101553, 4101554, and 4101555, simply enter >= “4101552” in “Optional Constraint #1” and <= “4101555” in “Optional Constraint #2”.

4. Once all desired variables have been chosen, for best output results, under “Server-side Functions”, order variables by “platform_code” and “time”. By doing so, the output will be displayed by WMO number and time (chronologically).

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Graph Type: markers

X Axis: longitude

Y Axis: latitude

Color: time

Constraints

Field	Operator	Value	Optional Constraint #1	Optional Constraint #2
time	>=	2016-07-01T00:00:00Z		
platform_code	=~	"4601517 4601514"		

Server-side Functions

distinct()

orderBy: platform_code, time

Graph Settings

Marker Type: Filled Square

Color: OSMC

Color Bar: Continuity

Min: Max: N Sections: Scale:

Draw the land mask:

Y Axis Minimum: Maximum: ascending

Redraw the Graph (Please be patient. It may take a while to get the data.)

Optional: Then set the File Type: .htmlTable and Download the Data or an Image or view the URL: http://osmc.noaa.gov/erddap/tabledap/OSMC_30day.htmlTable?longitude/latitude (Documentation / Bypass this form) (File Type Information)

Click on the map to specify a new center point.

Zoom: Out 8x | Out 2x | Out | Data | In | In 2x | In 8x

Time range: 7 day(s)

Map: observation depth OSMC 30 day RT data (time <= 2016-05-04T00:00:00Z, time >= 2016-05-11T00:00:00Z) Data courtesy of OSMC

6. To preview the plot from the desired selections, click “Redraw the Graph”. After doing this, you will see the plot appear in the upper right corner of the page.

7. If the plot preview is as desired, choose the file format to view the plot, then either download the file, or generate a URL.

Options include: .png, transparent .png, .pdf, Google Earth (.kml), etc.

