

Real-time access for drifting buoy data – Advanced instructions

To access real-time data from drifting buoys, please visit the NOAA GDP ERDDAP webpage at https://erddap.aoml.noaa.gov/gdp/erddap/tabledap/OSMC_RealTime.html. Here, you will see the list of possible variables. Examples include: date ranges, specific regions, sst data, slp data, etc.

** Please note, the real-time dataset linked above is hosted on the NOAA GDP ERDDAP as a remote dataset. To access the source dataset, please visit the NOAA OSMC ERDDAP at http://osmc.noaa.gov/erddap/tabledap/OSMC_30day.html. **

1. To begin, select “Uncheck All.”

The screenshot shows the ERDDAP Data Access Form for the OSMC 30 day RT data dataset. At the top left, there is a "Check All" button with a red arrow pointing to it. Below it is an "Uncheck All" button. The main area contains a list of variables with checkboxes. On the right side, there are two optional constraint boxes labeled "#1" and "#2" with dropdown menus for operators like >=, <=, >, <, etc., and input fields for minimum and maximum values. The "Minimum" field has "-89.0" and the "Maximum" field has "89.0".

2. Once all boxes are unchecked, within “platform type”, select “DRIFTING BUOYS {GENERIC}” from the pull-down tab on the far right.

The screenshot shows the same ERDDAP Data Access Form. The "platform type" checkbox is checked with a red arrow pointing to it. A dropdown menu is open next to it, listing various station types. The option "DRIFTING BUOYS {GENERIC}" is highlighted with a red arrow pointing to it. Other options listed in the menu include "C-MAN WEATHER STATIONS", "CLIMATE REFERENCE MOORED BUOYS", "GLOBSAT", "GLIDERS", "GLOSS", "ICE BUOYS", "MOORED BUOYS {GENERIC}", "PROFILING FLOATS AND GLIDERS {GENERIC}", "RESEARCH", "SHIPS", "SHIP {GENERIC}", "SHORE AND BOTTOM STATIONS {GENERIC}", "TIDE GAUGE STATIONS {GENERIC}", "TROPICAL MOORED BUOYS", "TUNISIAN DRIFTING STATIONS", "UNKNOWN", "VOLUNTEER OBSERVING SHIPS", "VOLUNTEER OBSERVING SHIPS {GENERIC}", "VOGLIM", "WEATHER AND OCEAN OBS", "WEATHER BUOYS", and "WEATHER OBS".

3. After selecting “DRIFTING BUOYS” within “platform_type”, next select the desired variable(s). For example, if you are interested in specific drifters, select “platform_code”, then enter each WMO number within “platform_code” “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: =~ "5301670", while the suitable option for multiple drifters is: =~ "6801859|1801734|5301670".

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

The screenshot shows the ERDDAP Data Access Form interface. At the top, it displays the dataset title "OSMC 30 day RT data" and the institution "OSMC (Dataset ID: OSMC_30day)". Below this, there's a list of variables with checkboxes. In the middle right, there are two "Optional Constraint" fields. The first field, labeled "#1", has the value "=~ \"326994601619\"", which is highlighted with a red arrow. The second field, labeled "#2", contains several operators like <=, >, >=, and <. To the right of these fields are "Minimum" and "Maximum" input boxes, both currently set to -89.0 and 89.0 respectively.

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 1301742, 1301743, 1301744, and 1301745, simply enter \geq "1301742" in “Optional Constraint #1” and \leq "1301745" in “Optional Constraint #2”.

ERDDAP > tabledap > Data Access Form

Dataset Title: OSMC 30 day RT data 

Institution: OSMC (Dataset ID: OSMC_30day)

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Variable  Check All 	Optional Constraint #1 	Optional Constraint #2 	Minimum  or a List of Values 	Maximum 
<input type="checkbox"/> platform_code (WMO id or Ship call sign) 	>= <input type="text" value="4101552"/> = <input type="text" value="DRIFTING BUOYS (GENERIC)"/>	<= <input type="text" value="4101555"/> = <input type="text" value="DRIFTING BUOYS (GENERIC)"/>		
<input type="checkbox"/> platform_type 				
<input type="checkbox"/> country 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> time (observation date, UTC) 	>= <input type="text" value="2017-09-12T00:00:00Z"/> = <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> latitude (degrees_north) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>	-89.0	89.0
<input type="checkbox"/> longitude (degrees_east) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>	-180.0	180.0
<input type="checkbox"/> observation_depth 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> sst (sea surface temperature, Deg C) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> atmp (air temperature, Deg C) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> precip (precipitation, mm) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> ztmp (profile water temperature, Deg C) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> zsal (profile salinity) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> zlps (sea level pressure, hPa) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> windsdp (wind speed, m/s) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> winddir (wind from direction, Deg true) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> wvht (sea surface wave significant height, m) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> waterlevel (m) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> clouds (cloud cover, octas) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> dewpoint (dew point temperature, Deg C) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> uo (eastward sea water velocity, m s-1) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> vo (northward sea water velocity, m s-1) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> wo (upward sea water velocity, m s-1) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> rainfall_rate (m s-1) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> hur (relative humidity) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> sea_water_elec_conductivity (S m-1) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> sea_water_dissolved_oxygen (mg l-1) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> rids (surface downwelling longwave flux in air, W m-2) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> rds (surface downwelling shortwave flux in air, W m-2) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> waterlevel_met_res (meteorological residual tidal elevation, m) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> waterlevel_wrt_lod (tidal elevation WRT local chart datum, m) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> water_col_ht (water column height, m) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> wind_to_direction (degree) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> lon360 (longitude, degree_east) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		

4. Next, select additional variables from the list, including time, latitude, longitude, SST, and SLP.

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Variable  Check All 	Optional Constraint #1 	Optional Constraint #2 	Minimum  or a List of Values 	Maximum 
<input checked="" type="checkbox"/> platform_code (WMO id or Ship call sign) 	>= <input type="text" value="4101552"/> = <input type="text" value="DRIFTING BUOYS (GENERIC)"/>	<= <input type="text" value="4101555"/> = <input type="text" value="DRIFTING BUOYS (GENERIC)"/>		
<input checked="" type="checkbox"/> platform_type 				
<input checked="" type="checkbox"/> country 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input checked="" type="checkbox"/> time (observation date, UTC) 	>= <input type="text" value="2017-08-17T00:00:00Z"/> = <input type="text" value=""/>	<= <input type="text" value=""/>		
<input checked="" type="checkbox"/> latitude (degrees_north) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>	-89.0	89.0
<input checked="" type="checkbox"/> longitude (degrees_east) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>	-180.0	180.0
<input type="checkbox"/> observation_depth 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> sst (sea surface temperature, Deg C) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> atmp (air temperature, Deg C) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> precip (precipitation, mm) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> ztmp (profile water temperature, Deg C) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> zsal (profile salinity) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> zlps (sea level pressure, hPa) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> windsdp (wind speed, m/s) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> winddir (wind from direction, Deg true) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> wvht (sea surface wave significant height, m) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> waterlevel (m) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> clouds (cloud cover, octas) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> dewpoint (dew point temperature, Deg C) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> uo (eastward sea water velocity, m s-1) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> vo (northward sea water velocity, m s-1) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> wo (upward sea water velocity, m s-1) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> rainfall_rate (m s-1) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> hur (relative humidity) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> sea_water_elec_conductivity (S m-1) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> sea_water_dissolved_oxygen (mg l-1) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> rids (surface downwelling longwave flux in air, W m-2) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> rds (surface downwelling shortwave flux in air, W m-2) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> waterlevel_met_res (meteorological residual tidal elevation, m) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> waterlevel_wrt_lod (tidal elevation WRT local chart datum, m) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> water_col_ht (water column height, m) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> wind_to_direction (degree) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		
<input type="checkbox"/> lon360 (longitude, degree_east) 	>= <input type="text" value=""/>	<= <input type="text" value=""/>		

Select desired variables.

**Please note: If you desire specific coordinates, and/or a time parameter, you must enter these values in the “Optional Constraint” boxes to right of each field. **

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Variable	Check All	Uncheck All	Optional Constraint #1	Optional Constraint #2	Minimum or a List of Values	Maximum
<input type="checkbox"/> platform_code (WMO id or Ship call sign) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> >= <input type="text" value="3200699 4601615 220"/>	<input type="checkbox"/> <= <input type="text" value="3200699 4601615 220"/>	<input type="checkbox"/> "DRIFTING BUOYS (GENERIC)"	  
<input checked="" type="checkbox"/> platform_type 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> = <input type="text" value="DRIFTING BUOYS (GENERIC)"/>	<input type="checkbox"/>		
<input type="checkbox"/> country 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input checked="" type="checkbox"/> time (observation date, UTC) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> >= <input type="text" value="2017-08-01"/>	<input type="checkbox"/> <= <input type="text" value="2017-08-24"/>		
<input checked="" type="checkbox"/> latitude (degrees_north) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> >= <input type="text" value="60"/>	<input type="checkbox"/> <= <input type="text" value="75"/>	-89.0	89.0
<input checked="" type="checkbox"/> longitude (degrees_east) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> >= <input type="text" value="180"/>	<input type="checkbox"/> <= <input type="text" value="180"/>	-180.0	180.0
<input type="checkbox"/> observation_depth 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input checked="" type="checkbox"/> sst (sea surface temperature, Deg C) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> atmp (air temperature, Deg C) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> precip (precipitation, mm) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> ztmp (profile water temperature, Deg C) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> zsal (profile salinity) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input checked="" type="checkbox"/> slp (sea level pressure, hPa) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> windspd (wind speed, m/s) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> winddir (wind from direction, Deg true) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> wvht (sea surface wave significant height, m) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> waterlevel (m) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> clouds (cloud cover, oktas) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> dewpoint (dew point temperature, Deg C) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> ue (eastward sea water velocity, m s-1) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> vo (northward sea water velocity, m s-1) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> wo (upward sea water velocity, m s-1) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> rainfall_rate (m s-1) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> hur (relative humidity) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> sea_water_elec_conductivity (S m-1) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> sea_water_pressure (dbar) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> rids (surface downwelling longwave flux in air, W m-2) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> rsds (surface downwelling shortwave flux in air, W m-2) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> waterlevel_met_res (meteorological residual tidal elevation, m) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> waterlevel_wrt_icd (tidal elevation WRT local chart datum, m) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> water_col_ht (water column height, m) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> wind_to_direction (degree) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> lon360 (longitude, degree_east) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		

5. OPTIONAL: 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).

WARNING: Using the “orderBy” feature on large ERDDAP requests may trigger a HTTP 413 “outOfMemoryError” response when you complete step 7. If this error appears, we suggest that you divide your original data request into multiple smaller requests, or resubmit your original request without the “orderBy” feature.

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Variable	Check All	Uncheck All	Optional Constraint #1	Optional Constraint #2	Minimum or a List of Values	Maximum
<input type="checkbox"/> platform_code (WMO id or Ship call sign) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> >= <input type="text" value="3200699 4601615 220"/>	<input type="checkbox"/> <= <input type="text" value="3200699 4601615 220"/>	<input type="checkbox"/> "DRIFTING BUOYS (GENERIC)"	  
<input checked="" type="checkbox"/> platform_type 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> = <input type="text" value="DRIFTING BUOYS (GENERIC)"/>	<input type="checkbox"/>		
<input type="checkbox"/> country 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input checked="" type="checkbox"/> time (observation date, UTC) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> >= <input type="text" value="2017-08-01"/>	<input type="checkbox"/> <= <input type="text" value="2017-08-24"/>		
<input checked="" type="checkbox"/> latitude (degrees_north) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> >= <input type="text" value="60"/>	<input type="checkbox"/> <= <input type="text" value="75"/>	-89.0	89.0
<input checked="" type="checkbox"/> longitude (degrees_east) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> >= <input type="text" value="180"/>	<input type="checkbox"/> <= <input type="text" value="180"/>	-180.0	180.0
<input type="checkbox"/> observation_depth 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input checked="" type="checkbox"/> sst (sea surface temperature, Deg C) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> atmp (air temperature, Deg C) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> precip (precipitation, mm) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> ztmp (profile water temperature, Deg C) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> zsal (profile salinity) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input checked="" type="checkbox"/> slp (sea level pressure, hPa) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> windspd (wind speed, m/s) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> winddir (wind from direction, Deg true) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> wvht (sea surface wave significant height, m) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> waterlevel (m) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> clouds (cloud cover, oktas) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> dewpoint (dew point temperature, Deg C) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> ue (eastward sea water velocity, m s-1) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> vo (northward sea water velocity, m s-1) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> wo (upward sea water velocity, m s-1) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> rainfall_rate (m s-1) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> hur (relative humidity) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> sea_water_elec_conductivity (S m-1) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> sea_water_pressure (dbar) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> rids (surface downwelling longwave flux in air, W m-2) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> rsds (surface downwelling shortwave flux in air, W m-2) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> waterlevel_met_res (meteorological residual tidal elevation, m) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> waterlevel_wrt_icd (tidal elevation WRT local chart datum, m) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> water_col_ht (water column height, m) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> wind_to_direction (degree) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		
<input type="checkbox"/> lon360 (longitude, degree_east) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> > <input type="text" value="0"/>	<input type="checkbox"/> < <input type="text" value="0"/>		

Server-side Functions

distinct() 
 orderBy  (platform_code  time 

File type: .htmlTable - View a .html web page with the data in a table. Times are ISO 8601 strings. 
Just generate the URL: http://osmc.noaa.gov/erddap/tabledap/OSMC_30day.html?tabledap%20platform_type%20time [Documentation / Bypass this form](#) 

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

6. To select the desired output format, select from the options within “File type”.

ERDDAP > tabledap > Data Access Form

Dataset Title: **OSMC 30 day RT data**

Institution: OSMC (Dataset ID: OSMC_30day)
Information: Summary | License | FGDC | ISO 19115 | Metadata | Background | Subset | Make a graph

Variable	Optional Constraint #1	Optional Constraint #2	Minimum or a List of Values	Maximum
<input type="checkbox"/> platform_code (WMO id or Ship call sign)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>	DRIFTING BUOYS (GENERIC)	-89.0 89.0
<input checked="" type="checkbox"/> platform_type	$=$ <input type="text" value="DRIFTING BUOYS (GENERIC)"/>	\leq <input type="text" value="0"/>	-89.0 89.0	
<input type="checkbox"/> country	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input checked="" type="checkbox"/> time (observation date, UTC)	\geq <input type="text" value="2017-08-01"/>	\leq <input type="text" value="2017-08-24"/>		
<input checked="" type="checkbox"/> latitude (degrees_north)	\geq <input type="text" value="20"/>	\leq <input type="text" value="30"/>		
<input checked="" type="checkbox"/> longitude (degrees_east)	\geq <input type="text" value="-70"/>	\leq <input type="text" value="-60"/>	-180.0	180.0
<input type="checkbox"/> observation_depth	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input checked="" type="checkbox"/> sst (sea surface temperature, Deg C)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> atmp (air temperature, Deg C)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> precip (precipitation, mm)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> ztmp (profile water temperature, Deg C)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> zsal (profile salinity)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input checked="" type="checkbox"/> slp (sea level pressure, hPa)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> windspeed (wind speed, m/s)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> winddir (wind from direction, Deg true)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> wvht (sea surface wave significant height, m)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> waterlevel (m)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> clouds (cloud cover, oktas)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> dewpoint (dew point temperature, Deg C)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> uo (eastward sea water velocity, m s-1)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> vo (northward sea water velocity, m s-1)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> wo (upward sea water velocity, m s-1)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> rainfall_rate (m s-1)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> hur (relative humidity)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> sea_water_elec_conductivity (S m-1)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> sea_water_pressure (dbar)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> rids (surface downwelling longwave flux in air, W m-2)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> rsds (surface downwelling shortwave flux in air, W m-2)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> waterlevel_met_res (meteorological residual tidal elevation, m)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> waterlevel_wrt_icd (tidal elevation WRT local chart datum, m)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> water_col_ht (water column height, m)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> wind_to_direction (degree)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> lon360 (longitude, degree_east)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		

Server-side Functions

distinct()
 orderBy (*) platform_code time

File type: **.json** - Download longitude,latitude,otherColumns data as a GeoJSON .json file.

Just generate the URL: http://osmc.noaa.gov/erddap/tabledap/OSMC_30day.htmlTable?platform_type%2Ctime%2Clat Documentation / Bypass this form

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

Options include: comma separated (.csv), MATLAB (.mat), PDF (.pdf), ASCII (.asc), HTML (.html), etc.

7. Once you have entered the desired information and chosen the output file type, click “Submit” to receive the data, or you can generate a URL that saves the specified variables. The URL can be used to reference the dataset parameters at a later date, and/or can be shared with colleagues.

ERDDAP > tabledap > Data Access Form

Dataset Title: **OSMC 30 day RT data**

Institution: OSMC (Dataset ID: OSMC_30day)
Information: Summary | License | FGDC | ISO 19115 | Metadata | Background | Subset | Make a graph

Variable	Optional Constraint #1	Optional Constraint #2	Minimum or a List of Values	Maximum
<input type="checkbox"/> platform_code (WMO id or Ship call sign)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>	DRIFTING BUOYS (GENERIC)	-89.0 89.0
<input checked="" type="checkbox"/> platform_type	$=$ <input type="text" value="DRIFTING BUOYS (GENERIC)"/>	\leq <input type="text" value="0"/>	-89.0 89.0	
<input type="checkbox"/> country	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input checked="" type="checkbox"/> time (observation date, UTC)	\geq <input type="text" value="2017-08-01"/>	\leq <input type="text" value="2017-08-24"/>		
<input checked="" type="checkbox"/> latitude (degrees_north)	\geq <input type="text" value="20"/>	\leq <input type="text" value="30"/>		
<input checked="" type="checkbox"/> longitude (degrees_east)	\geq <input type="text" value="-180"/>	\leq <input type="text" value="180"/>	-180.0	180.0
<input type="checkbox"/> observation_depth	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input checked="" type="checkbox"/> sst (sea surface temperature, Deg C)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> atmp (air temperature, Deg C)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> precip (precipitation, mm)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> ztmp (profile water temperature, Deg C)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> zsal (profile salinity)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input checked="" type="checkbox"/> slp (sea level pressure, hPa)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> windspeed (wind speed, m/s)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> winddir (wind from direction, Deg true)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> wvht (sea surface wave significant height, m)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> waterlevel (m)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> clouds (cloud cover, oktas)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> dewpoint (dew point temperature, Deg C)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> uo (eastward sea water velocity, m s-1)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> vo (northward sea water velocity, m s-1)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> wo (upward sea water velocity, m s-1)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> rainfall_rate (m s-1)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> hur (relative humidity)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> sea_water_elec_conductivity (S m-1)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> sea_water_pressure (dbar)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> rids (surface downwelling longwave flux in air, W m-2)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> rsds (surface downwelling shortwave flux in air, W m-2)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> waterlevel_met_res (meteorological residual tidal elevation, m)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> waterlevel_wrt_icd (tidal elevation WRT local chart datum, m)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> water_col_ht (water column height, m)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> wind_to_direction (degree)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		
<input type="checkbox"/> lon360 (longitude, degree_east)	\geq <input type="text" value="0"/>	\leq <input type="text" value="0"/>		

Server-side Functions

distinct()
 orderBy (*) platform_code time

File type: **.html** - View as ERDDAP-style HTML Data Access Form.

Just generate the URL: http://osmc.noaa.gov/erddap/tabledap/OSMC_30day.htmlTable?platform_type%2Ctime%2Clat Documentation / Bypass this form

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