

# Access quality controlled hourly interpolated drifting buoy data

To access additional download options for quality controlled hourly interpolated drifting buoy data, please visit the NOAA GDP ERDDAP webpage at [https://erddap.aoml.noaa.gov/gdp/erddap/tabledap/drifter\\_hourly\\_qc.html](https://erddap.aoml.noaa.gov/gdp/erddap/tabledap/drifter_hourly_qc.html)

Here, you will find a list of possible variables. Examples include: deployment date, deployment latitude, deployment longitude, end date, end latitude, end longitude, drogue loss, death type, specific regions, sst data, etc.

1. To begin, determine if you wish to obtain interpolated drifter data for a specific drifter ID(s), complete data from a desired deployment location, data for all drifters that enter an area of interest, data from an isolated time period, or some combination of available variables.

2. Clear the preset Optional Constraint time (UTC) values.

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Dataset Title: Global Drifter Program - Hourly Interpolated QC Drifter Data

Institution: NOAA Atlantic Oceanographic and Meteorological Laboratory

Information: Summary | License | FGDC | ISO 19115 | Metadata | Background # | Subset | Files | Make a graph

Variable (Check All | Uncheck All)

Optional Constraint #1: 2020-06-23T00:00:00Z

Optional Constraint #2: 2020-06-30T23:00:00Z

Minimum or a List of Values: 1987-10-02T13:00:00Z

Maximum: 2020-06-30T23:00:00Z

Variable	Min	Max
latitude (degrees_north)	-78.30718	89.89858
longitude (degrees_east)	-180.0	180.0
lon360 (Longitude, degrees_east)	0.0	360.0
sst (Kelvin)	-373.935	1233.43
sst1 (Kelvin)	-118.999	669.144
sst2 (Kelvin)	-513.208	752.345
err_sst (Kelvin)	0.001	912.29
err_sst1 (Kelvin)	0.001	281.971
err_sst2 (Kelvin)	0.001	740.162
fig_sst	0.0	5.0
fig_sst1	0.0	5.0
fig_sst2	0.0	5.0
vn (Eastward velocity, m/s)	-8.3641	50.1599
vn (Northward velocity, m/s)	-7.5208	4.5053
err_lat (degrees_north)	0.0	1.08302
err_lon (degrees_east)	0.0	359.9995
err_ve (m/s)	0.0	201.9779

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Variable (Check All | Uncheck All)

Optional Constraint #1:

Optional Constraint #2:

Minimum or a List of Values: 1987-10-02T13:00:00Z

Maximum: 2020-06-30T23:00:00Z

Variable	Min	Max
latitude (degrees_north)	-78.30718	89.89858
longitude (degrees_east)	-180.0	180.0
lon360 (Longitude, degrees_east)	0.0	360.0
sst (Kelvin)	-373.935	1233.43
sst1 (Kelvin)	-118.999	669.144
sst2 (Kelvin)	-513.208	752.345
err_sst (Kelvin)	0.001	912.29
err_sst1 (Kelvin)	0.001	281.971
err_sst2 (Kelvin)	0.001	740.162
fig_sst	0.0	5.0
fig_sst1	0.0	5.0
fig_sst2	0.0	5.0
vn (Eastward velocity, m/s)	-8.3641	50.1599
vn (Northward velocity, m/s)	-7.5208	4.5053
err_lat (degrees_north)	0.0	1.08302
err_lon (degrees_east)	0.0	359.9995
err_ve (m/s)	0.0	201.9779

3a. If you wish to obtain interpolated drifter data by ID number, either enter the AOML Drifter ID, or the WMO number, in the respective Operational Constraint field.

Each entry should contain double quotes ("...") and the operator for this constraint should be set to "=~". The operator selection is found to the left of the Optional Constraint field. If you are interested in data from multiple drifters, ensure the identification numbers are separated by the pipe, or bar, symbol (|) and within double quotes ("...").

For example, a single drifter should appear as: =~ "300234063941310" or =~ "4101564", depending if you reference the AOML ID, or the WMO number. For multiple drifters, the entry should appear as: =~ "300234063941310|300234063940950" or =~ "4101564|4101562".

\*\*Please Note: There are no spaces between the identification numbers and the pipe or bar symbol (|). \*\*

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Dataset Title: **Global Drifter Program - Hourly Interpolated QC Drifter Data** [RSS](#)  
 Institution: NOAA Atlantic Oceanographic and Meteorological Laboratory (Dataset ID: drifter\_hourly\_qc)  
 Information: [Summary](#) | [License](#) | [FGDC](#) | [ISO 19115](#) | [Metadata](#) | [Background](#) | [Subset](#) | [Files](#) | [Make a graph](#)

Variable	Optional Constraint #1	Optional Constraint #2	Minimum or a List of Values	Maximum
<input checked="" type="checkbox"/> ID	<input type="text" value="63941310 63940950"/>	<input type="text"/>	<input type="text"/>	
<input checked="" type="checkbox"/> WMO	<input type="text"/>	<input type="text"/>	<input type="text"/>	
<input checked="" type="checkbox"/> expno (Experiment number, count)	<input type="text"/>	<input type="text"/>	<input type="text"/>	
<input checked="" type="checkbox"/> time (UTC)	<input type="text"/>	<input type="text"/>	1987-10-02T13:00:00Z	2020-06-30T23:00:00Z
<input checked="" type="checkbox"/> latitude (degrees_north)	<input type="text"/>	<input type="text"/>	-78.30718	89.89858
<input checked="" type="checkbox"/> longitude (degrees_east)	<input type="text"/>	<input type="text"/>	-180.0	180.0
<input checked="" type="checkbox"/> lon360 (Longitude, degrees_east)	<input type="text"/>	<input type="text"/>	0.0	360.0
<input checked="" type="checkbox"/> sst (Kelvin)	<input type="text"/>	<input type="text"/>	-373.935	1233.43
<input checked="" type="checkbox"/> sst1 (Kelvin)	<input type="text"/>	<input type="text"/>	-118.999	669.144
<input checked="" type="checkbox"/> sst2 (Kelvin)	<input type="text"/>	<input type="text"/>	-513.208	752.345
<input checked="" type="checkbox"/> err_sst (Kelvin)	<input type="text"/>	<input type="text"/>	0.001	912.29
<input checked="" type="checkbox"/> err_sst1 (Kelvin)	<input type="text"/>	<input type="text"/>	0.001	261.971
<input checked="" type="checkbox"/> err_sst2 (Kelvin)	<input type="text"/>	<input type="text"/>	0.001	740.162
<input checked="" type="checkbox"/> flg_sst	<input type="text"/>	<input type="text"/>	0.0	5.0
<input checked="" type="checkbox"/> flg_sst1	<input type="text"/>	<input type="text"/>	0.0	5.0
<input checked="" type="checkbox"/> flg_sst2	<input type="text"/>	<input type="text"/>	0.0	5.0
<input checked="" type="checkbox"/> ve (Eastward velocity, m/s)	<input type="text"/>	<input type="text"/>	-8.3641	50.1599
<input checked="" type="checkbox"/> vn (Northward velocity, m/s)	<input type="text"/>	<input type="text"/>	-7.5208	4.5053
<input checked="" type="checkbox"/> err_lat (degrees_north)	<input type="text"/>	<input type="text"/>	0.0	1.08302
<input checked="" type="checkbox"/> err_lon (degrees_east)	<input type="text"/>	<input type="text"/>	0.0	359.9995
<input checked="" type="checkbox"/> err_ve (m/s)	<input type="text"/>	<input type="text"/>	0.0	201.9779

or

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Dataset Title: **Global Drifter Program - Hourly Interpolated QC Drifter Data** [RSS](#)  
 Institution: NOAA Atlantic Oceanographic and Meteorological Laboratory (Dataset ID: drifter\_hourly\_qc)  
 Information: [Summary](#) | [License](#) | [FGDC](#) | [ISO 19115](#) | [Metadata](#) | [Background](#) | [Subset](#) | [Files](#) | [Make a graph](#)

Variable	Optional Constraint #1	Optional Constraint #2	Minimum or a List of Values	Maximum
<input checked="" type="checkbox"/> ID	<input type="text" value="4101564 4101562"/>	<input type="text"/>	<input type="text"/>	
<input checked="" type="checkbox"/> WMO	<input type="text"/>	<input type="text"/>	<input type="text"/>	
<input checked="" type="checkbox"/> expno (Experiment number, count)	<input type="text"/>	<input type="text"/>	<input type="text"/>	
<input checked="" type="checkbox"/> time (UTC)	<input type="text"/>	<input type="text"/>	1987-10-02T13:00:00Z	2020-06-30T23:00:00Z
<input checked="" type="checkbox"/> latitude (degrees_north)	<input type="text"/>	<input type="text"/>	-78.30718	89.89858
<input checked="" type="checkbox"/> longitude (degrees_east)	<input type="text"/>	<input type="text"/>	-180.0	180.0
<input checked="" type="checkbox"/> lon360 (Longitude, degrees_east)	<input type="text"/>	<input type="text"/>	0.0	360.0
<input checked="" type="checkbox"/> sst (Kelvin)	<input type="text"/>	<input type="text"/>	-373.935	1233.43
<input checked="" type="checkbox"/> sst1 (Kelvin)	<input type="text"/>	<input type="text"/>	-118.999	669.144
<input checked="" type="checkbox"/> sst2 (Kelvin)	<input type="text"/>	<input type="text"/>	-513.208	752.345
<input checked="" type="checkbox"/> err_sst (Kelvin)	<input type="text"/>	<input type="text"/>	0.001	912.29
<input checked="" type="checkbox"/> err_sst1 (Kelvin)	<input type="text"/>	<input type="text"/>	0.001	261.971
<input checked="" type="checkbox"/> err_sst2 (Kelvin)	<input type="text"/>	<input type="text"/>	0.001	740.162
<input checked="" type="checkbox"/> flg_sst	<input type="text"/>	<input type="text"/>	0.0	5.0
<input checked="" type="checkbox"/> flg_sst1	<input type="text"/>	<input type="text"/>	0.0	5.0
<input checked="" type="checkbox"/> flg_sst2	<input type="text"/>	<input type="text"/>	0.0	5.0
<input checked="" type="checkbox"/> ve (Eastward velocity, m/s)	<input type="text"/>	<input type="text"/>	-8.3641	50.1599
<input checked="" type="checkbox"/> vn (Northward velocity, m/s)	<input type="text"/>	<input type="text"/>	-7.5208	4.5053
<input checked="" type="checkbox"/> err_lat (degrees_north)	<input type="text"/>	<input type="text"/>	0.0	1.08302
<input checked="" type="checkbox"/> err_lon (degrees_east)	<input type="text"/>	<input type="text"/>	0.0	359.9995
<input checked="" type="checkbox"/> err_ve (m/s)	<input type="text"/>	<input type="text"/>	0.0	201.9779

3b. If you wish to obtain interpolated drifter data for all deployments at a given location, enter the coordinates of the desired deployment area into the deploy\_lat and deploy\_lon Operational Constraint fields.

For example, to obtain data for all buoys deployed between 25N and 26N, and between 079W and 080W, you would enter the following: deploy\_lat ">=" 25 "<=" 26 and deploy\_lon ">=" -80 "<=" -79.

\*\*Please Note: Longitudinal values range between -180 and 180. Therefore, you must include a negative sign for western longitude values to obtain the correctly formatted value.\*\*

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Dataset Title: **Global Drifter Program - Hourly Interpolated QC Drifter Data** [🔗](#) [📄](#) [📄](#)

Institution: NOAA Atlantic Oceanographic and Meteorological Laboratory (Dataset ID: drifter\_hourly\_qc)

Information: [Summary](#) | [License](#) | [FGDC](#) | [ISO 19115](#) | [Metadata](#) | [Background](#) | [Subset](#) | [Files](#) | [Make a graph](#)

Variable  Check All  Uncheck All

Variable	Optional Constraint #1	Optional Constraint #2	Minimum or a List of Values	Maximum
<input checked="" type="checkbox"/> ID	<input type="text"/>	<input type="text"/>	<input type="text"/>	
<input checked="" type="checkbox"/> WMO	<input type="text"/>	<input type="text"/>	<input type="text"/>	
<input checked="" type="checkbox"/> expno (Experiment number, count)	<input type="text"/>	<input type="text"/>	<input type="text"/>	
<input checked="" type="checkbox"/> time (UTC)	<input type="text"/>	<input type="text"/>	<input type="text"/>	1987-10-02T13:00:00Z 2020-06-30T23:00:00Z
<input checked="" type="checkbox"/> latitude (degrees_north)	<input type="text"/>	<input type="text"/>	<input type="text"/>	-78.30718 89.89858
<input checked="" type="checkbox"/> longitude (degrees_east)	<input type="text"/>	<input type="text"/>	<input type="text"/>	-180.0 180.0
<input checked="" type="checkbox"/> lon360 (Longitude, degrees_east)	<input type="text"/>	<input type="text"/>	<input type="text"/>	0.0 360.0
<input checked="" type="checkbox"/> sst (Kelvin)	<input type="text"/>	<input type="text"/>	<input type="text"/>	-373.935 1233.43
<input checked="" type="checkbox"/> sst1 (Kelvin)	<input type="text"/>	<input type="text"/>	<input type="text"/>	-118.999 669.144
<input checked="" type="checkbox"/> sst2 (Kelvin)	<input type="text"/>	<input type="text"/>	<input type="text"/>	-513.208 752.345
<input checked="" type="checkbox"/> err_sst (Kelvin)	<input type="text"/>	<input type="text"/>	<input type="text"/>	0.001 912.29
<input checked="" type="checkbox"/> err_sst1 (Kelvin)	<input type="text"/>	<input type="text"/>	<input type="text"/>	0.001 261.971
<input checked="" type="checkbox"/> err_sst2 (Kelvin)	<input type="text"/>	<input type="text"/>	<input type="text"/>	0.001 740.162
<input checked="" type="checkbox"/> fig_sst	<input type="text"/>	<input type="text"/>	<input type="text"/>	0.0 5.0
<input checked="" type="checkbox"/> fig_sst1	<input type="text"/>	<input type="text"/>	<input type="text"/>	0.0 5.0
<input checked="" type="checkbox"/> fig_sst2	<input type="text"/>	<input type="text"/>	<input type="text"/>	0.0 5.0
<input checked="" type="checkbox"/> ve (Eastward velocity, m/s)	<input type="text"/>	<input type="text"/>	<input type="text"/>	-8.3641 50.1599
<input checked="" type="checkbox"/> vn (Northward velocity, m/s)	<input type="text"/>	<input type="text"/>	<input type="text"/>	-7.5208 4.5053
<input checked="" type="checkbox"/> err_lat (degrees_north)	<input type="text"/>	<input type="text"/>	<input type="text"/>	0.0 1.08302
<input checked="" type="checkbox"/> err_lon (degrees_east)	<input type="text"/>	<input type="text"/>	<input type="text"/>	0.0 359.9995
<input checked="" type="checkbox"/> err_ve (m/s)	<input type="text"/>	<input type="text"/>	<input type="text"/>	0.0 201.9779
<input checked="" type="checkbox"/> err_vn (m/s)	<input type="text"/>	<input type="text"/>	<input type="text"/>	0.0 6.5311
<input checked="" type="checkbox"/> hypobuoy	<input type="text"/>	<input type="text"/>	<input type="text"/>	
<input checked="" type="checkbox"/> gap (seconds)	<input type="text"/>	<input type="text"/>	<input type="text"/>	0.0 43200.0
<input checked="" type="checkbox"/> deploy_date (Deployment date and time, UTC)	<input type="text"/>	<input type="text"/>	<input type="text"/>	1987-10-02T00:00:00Z 2021-08-01T00:00:00Z
<input checked="" type="checkbox"/> deploy_lat (degrees_north)	<input type="text"/>	<input type="text"/>	<input type="text"/>	-77.81 89.142
<input checked="" type="checkbox"/> deploy_lon (degrees_east)	<input type="text"/>	<input type="text"/>	<input type="text"/>	-180.0 180.0
<input checked="" type="checkbox"/> end_date (End date and time, UTC)	<input type="text"/>	<input type="text"/>	<input type="text"/>	1987-10-31T00:00:00Z 2021-06-27T23:53:40Z
<input checked="" type="checkbox"/> end_lat (End latitude, degrees_north)	<input type="text"/>	<input type="text"/>	<input type="text"/>	-77.49 99.54
<input checked="" type="checkbox"/> end_lon (End longitude, degrees_east)	<input type="text"/>	<input type="text"/>	<input type="text"/>	-179.99 179.98

3c. If you wish to obtain interpolated drifter data for all drifters that have entered a given area, enter coordinates for the desired area into the longitude and latitude Operational Constraint fields.

For example, to obtain data for all buoys that have passed between 36S and 42S, and between 019E and 025E, you would enter the following: longitude ">=" 19 "<=" 25 and latitude ">=" -42 "<=" -36.

\*\*Please Note: Longitudinal values range between -180 and 180. Therefore, you must include a negative sign for western longitude values to obtain the correctly formatted value.\*\*

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Dataset Title: **Global Drifter Program - Hourly Interpolated QC Drifter Data** [🔗](#) [📄](#) [📄](#)

Institution: NOAA Atlantic Oceanographic and Meteorological Laboratory (Dataset ID: drifter\_hourly\_qc)

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Variable  Check All  Uncheck All

Variable	Optional Constraint #1	Optional Constraint #2	Minimum or a List of Values	Maximum
<input checked="" type="checkbox"/> ID	<input type="text"/>	<input type="text"/>	<input type="text"/>	
<input checked="" type="checkbox"/> WMO	<input type="text"/>	<input type="text"/>	<input type="text"/>	
<input checked="" type="checkbox"/> expno (Experiment number, count)	<input type="text"/>	<input type="text"/>	<input type="text"/>	
<input checked="" type="checkbox"/> time (UTC)	<input type="text"/>	<input type="text"/>	<input type="text"/>	1987-10-02T13:00:00Z 2020-06-30T23:00:00Z
<input checked="" type="checkbox"/> latitude (degrees_north)	<input type="text" value="&gt;=-42"/>	<input type="text" value="&lt;=-36"/>	<input type="text"/>	-78.30718 89.89858
<input checked="" type="checkbox"/> longitude (degrees_east)	<input type="text" value="&gt;= 19"/>	<input type="text" value="&lt;= 25"/>	<input type="text"/>	-180.0 180.0
<input checked="" type="checkbox"/> lon360 (Longitude, degrees_east)	<input type="text"/>	<input type="text"/>	<input type="text"/>	0.0 360.0
<input checked="" type="checkbox"/> sst (Kelvin)	<input type="text"/>	<input type="text"/>	<input type="text"/>	-373.935 1233.43
<input checked="" type="checkbox"/> sst1 (Kelvin)	<input type="text"/>	<input type="text"/>	<input type="text"/>	-118.999 669.144
<input checked="" type="checkbox"/> sst2 (Kelvin)	<input type="text"/>	<input type="text"/>	<input type="text"/>	-513.208 752.345
<input checked="" type="checkbox"/> err_sst (Kelvin)	<input type="text"/>	<input type="text"/>	<input type="text"/>	0.001 912.29
<input checked="" type="checkbox"/> err_sst1 (Kelvin)	<input type="text"/>	<input type="text"/>	<input type="text"/>	0.001 261.971
<input checked="" type="checkbox"/> err_sst2 (Kelvin)	<input type="text"/>	<input type="text"/>	<input type="text"/>	0.001 740.162
<input checked="" type="checkbox"/> fig_sst	<input type="text"/>	<input type="text"/>	<input type="text"/>	0.0 5.0
<input checked="" type="checkbox"/> fig_sst1	<input type="text"/>	<input type="text"/>	<input type="text"/>	0.0 5.0
<input checked="" type="checkbox"/> fig_sst2	<input type="text"/>	<input type="text"/>	<input type="text"/>	0.0 5.0
<input checked="" type="checkbox"/> ve (Eastward velocity, m/s)	<input type="text"/>	<input type="text"/>	<input type="text"/>	-8.3641 50.1599
<input checked="" type="checkbox"/> vn (Northward velocity, m/s)	<input type="text"/>	<input type="text"/>	<input type="text"/>	-7.5208 4.5053
<input checked="" type="checkbox"/> err_lat (degrees_north)	<input type="text"/>	<input type="text"/>	<input type="text"/>	0.0 1.08302
<input checked="" type="checkbox"/> err_lon (degrees_east)	<input type="text"/>	<input type="text"/>	<input type="text"/>	0.0 359.9995
<input checked="" type="checkbox"/> err_ve (m/s)	<input type="text"/>	<input type="text"/>	<input type="text"/>	0.0 201.9779

3d. If you wish to obtain interpolated drifter data for all drifters within a particular time period, enter the desired beginning and end dates into the time (UTC) Operational Constraint fields.

For example, to obtain data for all buoys transmitting data between 1 January, 2010 and 14 February, 2016, you would enter the following: time (UTC)  $\geq$  2010-01-01  $\leq$  2016-02-14.

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Variable  Check All  Uncheck All

Variable	Optional Constraint #1	Optional Constraint #2	Minimum or a List of Values	Maximum
<input checked="" type="checkbox"/> ID	$\leq$   $\geq$   $\leq$   $\geq$	$\leq$   $\geq$   $\leq$   $\geq$	$\leq$   $\geq$   $\leq$   $\geq$	
<input checked="" type="checkbox"/> WMO	$\leq$   $\geq$   $\leq$   $\geq$	$\leq$   $\geq$   $\leq$   $\geq$	$\leq$   $\geq$   $\leq$   $\geq$	
<input checked="" type="checkbox"/> expno (Experiment number, count)	$\leq$   $\geq$   $\leq$   $\geq$	$\leq$   $\geq$   $\leq$   $\geq$	$\leq$   $\geq$   $\leq$   $\geq$	
<input checked="" type="checkbox"/> time (UTC)	$\geq$ 2010-01-01	$\leq$ 2016-02-14	1987-10-02T13:00:00Z	2020-06-30T23:00:00Z
<input checked="" type="checkbox"/> latitude (degrees_north)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	-78.30718	89.89858
<input checked="" type="checkbox"/> longitude (degrees_east)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	-180.0	180.0
<input checked="" type="checkbox"/> lon360 (Longitude, degrees_east)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	0.0	360.0
<input checked="" type="checkbox"/> sst (Kelvin)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	-373.935	1233.43
<input checked="" type="checkbox"/> sst1 (Kelvin)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	-118.999	669.144
<input checked="" type="checkbox"/> sst2 (Kelvin)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	-513.208	752.345
<input checked="" type="checkbox"/> err_sst (Kelvin)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	0.001	912.29
<input checked="" type="checkbox"/> err_sst1 (Kelvin)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	0.001	261.971
<input checked="" type="checkbox"/> err_sst2 (Kelvin)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	0.001	740.162
<input checked="" type="checkbox"/> flg_sst	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	0.0	5.0
<input checked="" type="checkbox"/> flg_sst1	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	0.0	5.0
<input checked="" type="checkbox"/> flg_sst2	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	0.0	5.0
<input checked="" type="checkbox"/> ve (Eastward velocity, m/s)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	-8.3641	50.1599
<input checked="" type="checkbox"/> vn (Northward velocity, m/s)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	-7.5208	4.5053
<input checked="" type="checkbox"/> err_lat (degrees_north)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	0.0	1.08302
<input checked="" type="checkbox"/> err_lon (degrees_east)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	0.0	359.9995
<input checked="" type="checkbox"/> err_ve (m/s)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	0.0	201.9779
<input checked="" type="checkbox"/> err_vn (m/s)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	0.0	6.6311
<input checked="" type="checkbox"/> typebuoy	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$		
<input checked="" type="checkbox"/> gap (seconds)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	0.0	43200.0
<input checked="" type="checkbox"/> deploy_date (Deployment date and time, UTC)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	1987-10-02T00:00:00Z	2021-08-01T00:00:00Z
<input checked="" type="checkbox"/> deploy_lat (degrees_north)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	-77.81	89.142
<input checked="" type="checkbox"/> deploy_lon (degrees_east)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	-180.0	180.0
<input checked="" type="checkbox"/> end_date (End date and time, UTC)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	1987-10-31T00:00:00Z	2021-06-27T23:53:40Z
<input checked="" type="checkbox"/> end_lat (End latitude, degrees_north)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	-77.49	99.54
<input checked="" type="checkbox"/> end_lon (End longitude, degrees_east)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	-179.99	179.98

3e. If you wish to combine variables and obtain interpolated drifter data for all drifters within a particular time period that were deployed at a precise location, enter the desired beginning and end dates into the time (UTC) Operational Constraint fields, along with the desired deployment area into the deploy\_lat and deploy\_lon Operational Constraint fields.

For example, to obtain data for all buoys deployed between 25N and 26N, and between 079W and 080W, between 1 January, 2010 and 14 February, 2016, you would enter the following: deploy\_lat  $\geq$  25  $\leq$  26 and deploy\_lon  $\geq$  -80  $\leq$  -79 AND time (UTC)  $\geq$  2010-01-01  $\leq$  2016-02-14.

**ERDDAP**  
Easier access to scientific data

**ERDDAP > tabledap > Data Access Form**

Dataset Title: **Global Drifter Program - Hourly Interpolated QC Drifter Data** [RSS](#)  
 Institution: NOAA Atlantic Oceanographic and Meteorological Laboratory (Dataset ID: drifter\_hourly\_qc)  
 Information: [Summary](#) | [License](#) | [FGDC](#) | [ISO 19115](#) | [Metadata](#) | [Background](#) | [Subset](#) | [Files](#) | [Make a graph](#)

Variable  Check All  Uncheck All

Variable	Optional Constraint #1	Optional Constraint #2	Minimum or a List of Values	Maximum
<input checked="" type="checkbox"/> ID	$\leq$   $\geq$   $\leq$   $\geq$	$\leq$   $\geq$   $\leq$   $\geq$	$\leq$   $\geq$   $\leq$   $\geq$	
<input checked="" type="checkbox"/> WMO	$\leq$   $\geq$   $\leq$   $\geq$	$\leq$   $\geq$   $\leq$   $\geq$	$\leq$   $\geq$   $\leq$   $\geq$	
<input checked="" type="checkbox"/> expno (Experiment number, count)	$\leq$   $\geq$   $\leq$   $\geq$	$\leq$   $\geq$   $\leq$   $\geq$	$\leq$   $\geq$   $\leq$   $\geq$	
<input checked="" type="checkbox"/> time (UTC)	$\geq$ 2010-01-01	$\leq$ 2016-02-14	1987-10-02T13:00:00Z	2020-06-30T23:00:00Z
<input checked="" type="checkbox"/> latitude (degrees_north)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	-78.30718	89.89858
<input checked="" type="checkbox"/> longitude (degrees_east)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	-180.0	180.0
<input checked="" type="checkbox"/> lon360 (Longitude, degrees_east)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	0.0	360.0
<input checked="" type="checkbox"/> sst (Kelvin)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	-373.935	1233.43
<input checked="" type="checkbox"/> sst1 (Kelvin)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	-118.999	669.144
<input checked="" type="checkbox"/> sst2 (Kelvin)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	-513.208	752.345
<input checked="" type="checkbox"/> err_sst (Kelvin)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	0.001	912.29
<input checked="" type="checkbox"/> err_sst1 (Kelvin)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	0.001	261.971
<input checked="" type="checkbox"/> err_sst2 (Kelvin)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	0.001	740.162
<input checked="" type="checkbox"/> flg_sst	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	0.0	5.0
<input checked="" type="checkbox"/> flg_sst1	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	0.0	5.0
<input checked="" type="checkbox"/> flg_sst2	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	0.0	5.0
<input checked="" type="checkbox"/> ve (Eastward velocity, m/s)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	-8.3641	50.1599
<input checked="" type="checkbox"/> vn (Northward velocity, m/s)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	-7.5208	4.5053
<input checked="" type="checkbox"/> err_lat (degrees_north)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	0.0	1.08302
<input checked="" type="checkbox"/> err_lon (degrees_east)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	0.0	359.9995
<input checked="" type="checkbox"/> err_ve (m/s)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	0.0	201.9779
<input checked="" type="checkbox"/> err_vn (m/s)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	0.0	6.6311
<input checked="" type="checkbox"/> typebuoy	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$		
<input checked="" type="checkbox"/> gap (seconds)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	0.0	43200.0
<input checked="" type="checkbox"/> deploy_date (Deployment date and time, UTC)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	1987-10-02T00:00:00Z	2021-08-01T00:00:00Z
<input checked="" type="checkbox"/> deploy_lat (degrees_north)	$\geq$ 25	$\leq$ 26	-77.81	89.142
<input checked="" type="checkbox"/> deploy_lon (degrees_east)	$\geq$ -80	$\leq$ -79	-180.0	180.0
<input checked="" type="checkbox"/> end_date (End date and time, UTC)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	1987-10-31T00:00:00Z	2021-06-27T23:53:40Z
<input checked="" type="checkbox"/> end_lat (End latitude, degrees_north)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	-77.49	99.54
<input checked="" type="checkbox"/> end_lon (End longitude, degrees_east)	$\geq$   $\leq$   $\leq$   $\geq$	$\geq$   $\leq$   $\leq$   $\geq$	-179.99	179.98

4. OPTIONAL: Once all desired variables have been entered, for best output results, under “Server-side Functions”, order variables by “time”. By doing so, the output will be displayed chronologically.

**WARNING:** Using the “orderBy” feature on large ERDDAP requests may trigger a HTTP 413 “outOfMemoryError” response when you complete step 6. 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.

The screenshot shows the ERDDAP request form. On the left, a list of variables is checked, including end\_lon, drogue\_lost\_date, typedeath, location\_type, DeployingShip, DeploymentStatus, BuoyTypeManufacturer, BuoyTypeSensorArray, PurchaserFunding, SensorUpgrade, Transmissions, DeployingCountry, DeploymentComments, ManufactureYear, ManufactureMonth, FloatDiameter, SubscfFloatPresence, DrogueType, DrogueLength, DrogueBallast, DragAreaAboveDrogue, DragAreaOfDrogue, DragAreaRatio, DrogueCenterDepth, and DrogueDetectSensor. The right side shows a preview of the data with columns for longitude, date, and various drogue-related fields. Below the variable list, the "Server-side Functions" section has "distinct()" checked and "orderBy" set to "(\*time)". The "File type" dropdown is set to ".htmlTable - View a UTF-8 .html web page with the data in a table. Times are ISO 8601 strings." A red arrow points to the "orderBy" dropdown menu.

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

This screenshot is identical to the one above, showing the same variable selection and server-side functions. However, a red arrow now points to the "File type" dropdown menu, which is currently set to ".htmlTable - View a UTF-8 .html web page with the data in a table. Times are ISO 8601 strings." The "orderBy" dropdown remains set to "(\*time)".

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

