

Guide to NGDC Trackline Geophysical Data Retrieval

Once the search criteria and geographic selection from the **Trackline Geophysical Data Viewer** (maps.ngdc.noaa.gov/viewers/geophysics) is achieved, you will be directed to the new Marine Trackline Data request page. Here, you may refine your data request.

Step-By-Step

1. **Search Summary** – Confirm criteria filters and bounding box (geographic area).
2. **Request Data** – Choose data types (see “Data Types” below) and format.
 - a. **Trackline MGD77T** – These data are automatically requested and cannot be deselected.
 - **Advanced** : Change defaults for MGD77T data delivery (XYZ, MGD77T, Clipped to Boundary, etc.)
 1. **Format MGD77T**: Tab-delimited file contains date, time, latitude, longitude, single-beam bathymetry, magnetics, gravity and seismics navigation. In-Depth:
<http://ngdc.noaa.gov/mgg/gdas/data/docs/mgd77.pdf>
 2. **Format XYZ**: Tab-Delimited file
X = longitude; Y = latitude; Z = data-value;
Units of measure in XYZ are the same as defined for MGD77T (e.g. longitude and latitude are in decimal degrees, depths are in meters) with the exception that depths in XYZ are negative values.
 - b. **Other Data** – Add non-MGD77 data to the request (e.g., Analog and Digital Seismic, Sub-bottom, Scanned Microfilm, Raw Gravity, and others). View other "Data Available" for each survey by clicking on the arrow in the results table.
3. **Total (Files / Filesizes)** – Summarizes the data request file count and total size. A download limit is set at 20GB*.

*If the request exceeds 20GB, the search can be rerun ([New Search](#)) using a smaller area, a more precise criteria, or surveys can be individually deselected using the checkbox to the right of each survey in the results.
4. **Email** – Enter your email address
5. **Request** – Click on “Request” to submit the data request.
6. **Email confirmation** will be sent to you that the request has been received and is being processed. The email will contain a link to the request status page.
7. **A second email** with a download link will be sent once the data package is ready.

Survey Types : Icon Legend

- B** Bathymetry
- M** Magnetics
- G** Gravity
- SC** Single Channel Seismics
- MC** Multi-Channel Seismics
- SB** Subbottom Profile
- SP** Shot-Point Navigation
- SR** Seismic Refraction
- SS** Side Scan Sonar

Map

Request Data

Summary

Total/Email

NOAA NATIONAL GEOPHYSICAL DATA CENTER

Marine Trackline Data

Summary

Year: Melville
 Ship: "Scripps Inst Oceanograph"
 Date Added: 2003-10-01 -
 Types: All Parameters

Top: 47.15984
 Left: -131.30859
 Bottom: -9.27562
 Right: -56.88672

Request Data

Trackline MDG777

Other Data

Files / Size
Scanned_Microfilm: 16 / 939.97 MB
Navigation
Scanned_Microfilm: 16 / 939.97 MB
Single_Channel_Seismics
Scanned_Microfilm: 2 / 60.99 MB
Magnetics

Total: 123 file(s) / 245.59 MB

Email: isrc.dcc@noaa.gov Request

Show 10 entries

Data Available	Survey ID	Institution	Ship	Year	Date Added	Types	Select
>	PROTO1MV	Scripps Inst Oceanograph	Melville	1983	1985-10-27	B M	<input checked="" type="checkbox"/>
>	CATO07MV	Scripps Inst Oceanograph	Melville	1972	1983-08-18	B M SC	<input checked="" type="checkbox"/>
>	NV9702MV	Scripps Inst Oceanograph	Melville	1997	2001-09-30	G	<input checked="" type="checkbox"/>
>	AVON11MV	Scripps Inst Oceanograph	Melville	1999	2004-05-17	B G	<input checked="" type="checkbox"/>
>	PHRX04MV	Scripps Inst Oceanograph	Melville	1992	2013-05-15	B	<input checked="" type="checkbox"/>
>	COOK25MV	Scripps Inst Oceanograph	Melville	2002	2013-05-15	B	<input checked="" type="checkbox"/>
>	NV9704MV	Scripps Inst Oceanograph	Melville	1997	2001-09-30	B G	<input checked="" type="checkbox"/>
>	ECHO01MV	Scripps Inst Oceanograph	Melville	1983	2013-05-15		<input checked="" type="checkbox"/>
>	CCTW02MV	Scripps Inst Oceanograph	Melville	1974	1980-02-25	B M SC	<input checked="" type="checkbox"/>
>	FD7707MV	Scripps Inst Oceanograph	Melville	1977	1981-03-24	B M	<input checked="" type="checkbox"/>

Showing 1 to 10 of 123 entries

NOAA > HESDIS > NGDC > Trackline Data

Questions: trackline_info@noaa.gov

Glossary

- **Search Summary** – User selected filter criteria from the map viewer.
- **Map** – Trackline navigation for surveys fulfilling search criteria.
- **Request Data** – Lists all possible data and format / delivery options available.
- **Total** – Number and size of files being requested.
- **Email** – Required for notification that data is ready for download.
- **Filter these results** – Enter text to narrow survey results.
- **Data Available** – Data types, number of files and size of data for each survey (Click on arrow)
- **Date Added**– Date this survey was added or last updated in database.
- **Types** – Icons for available data types within each survey (Click on the “?” for descriptions).
- **Select** – Checkbox to include/exclude surveys in data request.

Search: <http://maps.ngdc.noaa.gov/viewers/geophysics>

For more information: <http://ngdc.noaa.gov/trackline>