

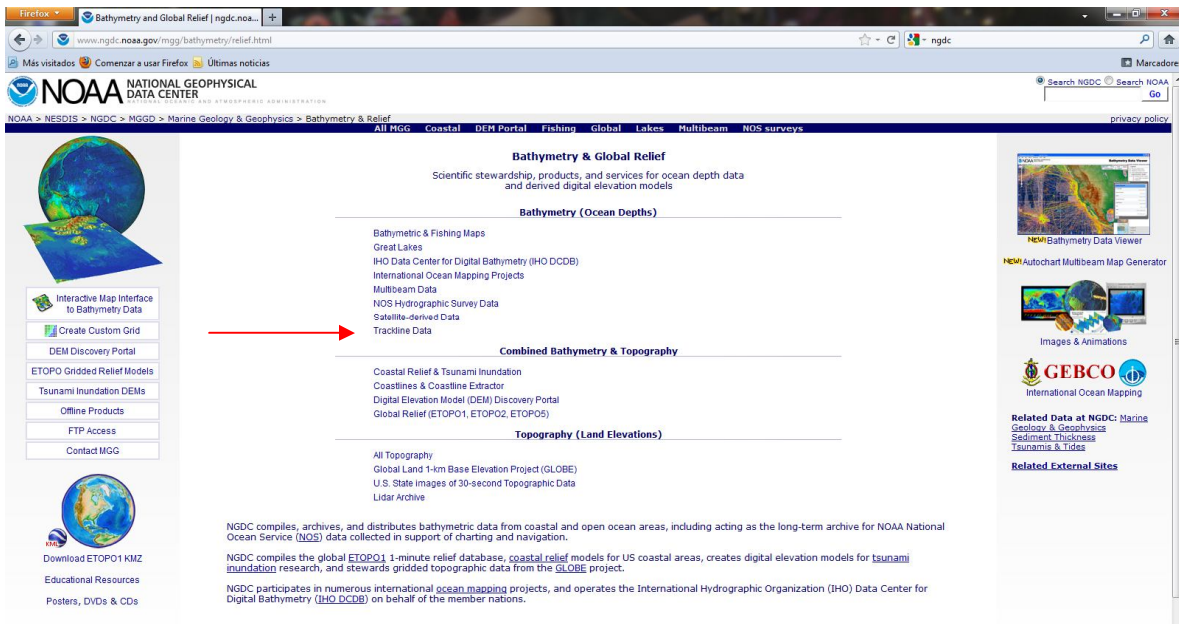
Procedimiento para descargar las profundidades NGDC de la siguiente página:

1. <http://www.ngdc.noaa.gov/>

Una vez visualizada la pagina damos click en: Bathymetry & Global Relief, como lo muestra la imagen.



2. Hacemos click en: Trackline Data



3. Hacemos click en: Alternative Text Interface

The screenshot shows the NOAA National Geophysical Data Center website. The main heading is "Marine Geophysical Trackline Data". The page contains several paragraphs of text describing the database and its contents. On the left side, there is a vertical menu with several options, including "Interactive Map Interface", "Alternative Text Interface", "Interactive Map Interface to Bathymetry Data", "Marine Trackline DVD", "Seismic Reflection Products", "GEODAS Software", and "About GEODAS". A red arrow points to the "Alternative Text Interface" option. The top navigation bar includes "MGG home", "Bathymetry", "Trackline Data", "Seismic Reflection", and "Get Geophysical Data". The bottom of the page has a footer with "NOAA > NESDIS > NGDC > MGG > Marine Geology & Geophysics" and "Questions: trackline_info@noaa.gov".

4. Aquí activamos las siguientes opciones: Windows, Digital Data, Bathymetry, después le damos las coordenadas que abarca la información que queremos extraer en decimas de grados como lo muestra el recuadro y damos click en: Search for data

The screenshot shows the "Marine Trackline Search Criteria Selection" form. The form has a title bar with a ship icon and the text "Marine Trackline Search Criteria Selection" followed by a help icon. The form is divided into several sections. The top section has radio buttons for "Windows", "Macintosh", "UNIX-LE (Linux-X86, etc.)", and "UNIX-BE (Sun, etc.)". Below this is a "Reset" button and a "Search for Data" button. The "Title of Search:" field contains "Untitled". The next section has radio buttons for "Analog Data", "Digital Data", and "Analog Or Digital Data". Below this is a "Rectangle Area in decimal degrees" section with input fields for "Upper Latitude" (9.5), "Left Longitude" (-86), "Right Longitude" (-84), and "Lower Latitude" (0). There are also buttons for "Line", "Polygon(s)", "World", and "Use Map". The bottom section is titled "Parameters Surveyed" and has a dropdown menu set to "UNION (OR)" and "INTERSECTION (AND)". Below this is a list of checkboxes: "Bathymetry" (checked), "Magnetics", "Gravity", "Single Channel Seismic Reflection", "CDP Seismic Reflection", "Side Scan Sonar", "Seismic Refraction", and "Digital Shot Pt Navigation". At the bottom of the form is an "Advanced (more fields)" button.

5. Le damos click en: Download Search results

NOAA NATIONAL GEOPHYSICAL DATA CENTER

SEARCH Results Listing

DATA SEARCH * Untitled KEY:trk76161 2011/11/28

DATABASE: Marine Trackline Geophysics Data

POLYGON AREA(S):

```

9.500 -86.000
9.500 -84.000
0.000 -84.000
0.000 -86.000
    
```

searching for digital data only

UNION OF SURVEYED PARAMETERS (BOOLEAN .OR.):
Bathymetric Soundings

Geophysical Data Summary in nautical miles

Survey	Nav	Bath	Mag	Grav	Seismica	ss/ref	m77-bath	data
Defense Mapping Agency								
12574	131	131	0	0	0	0	37	data metadata plot
15174	146	146	0	0	0	0	402	data metadata plot
15271	139	139	0	0	0	0	428	data metadata plot
15274	1584	1584	0	0	0	0	4439	data metadata plot
03373	122	122	0	0	0	0	47	data metadata plot
27474	149	149	0	0	0	0	139	data metadata plot
6	2272	2272	0	0	0	0	5482	
France CNECXO								
Survey	Nav	Bath	Mag	Grav	Seismica	ss/ref	m77-bath	data

6. En esta ventana activamos: Single File of All Survey data in Area, Space Delimited XYZ Format, Longitude Latitude, Corrected Depth (meters) y hacemos click en: Process Digital Data

Process Non-Seismic Digital Data for Download help

Title of Search: Untitled **Reset** **Process Digital Data** **Skip This**

Download File-saving Options

- Single File of All Survey Data in Area**
- Multiple Survey Files, Data in Search Area

Format of Output Data

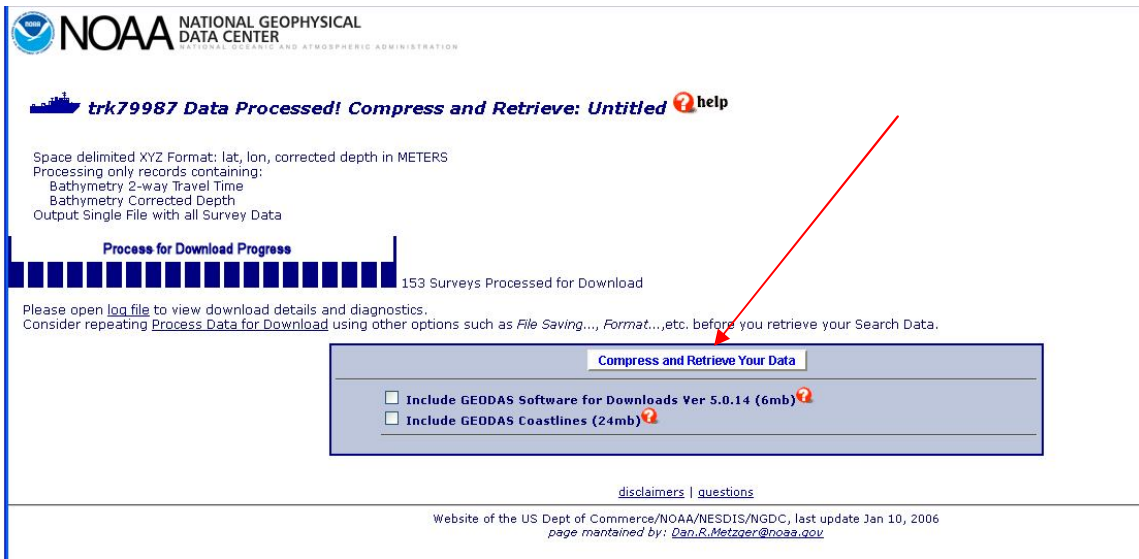
- MGD77T Tab-Delimited Format
- MGD77 ASCII Exchange Format
- HYD93 ASCII Exchange Format
- Binary HYD93 CD-ROM Format
- Space Delimited XYZ Format**

Convert uncorrected depths to corrected meters using Carter's Tables


Advanced (more fields)

Dropdown menu options:
Longitude
Latitude
(choose z field)
Uncorrected Depth (meters)
Corrected Depth (meters)
Mag Total Field (gammas)
Mag Res. Field (gammas)
Grav Observed (mgals)
Grav Free Air (mgals)

7. Aquí le damos click en: Compress and Retrieve Your data para que compima el archivo



NOAA NATIONAL GEOPHYSICAL DATA CENTER
U.S. DEPARTMENT OF COMMERCE AND ATMOSPHERIC ADMINISTRATION

trk79987 Data Processed! Compress and Retrieve: Untitled 



Space delimited XYZ Format: lat, lon, corrected depth in METERS
Processing only records containing:
Bathymetry 2-way Travel Time
Bathymetry Corrected Depth
Output Single File with all Survey Data

Process for Download Progress

153 Surveys Processed for Download

Please open [log file](#) to view download details and diagnostics.
Consider repeating [Process Data for Download](#) using other options such as *File Saving...*, *Format...*, etc. before you retrieve your Search Data.

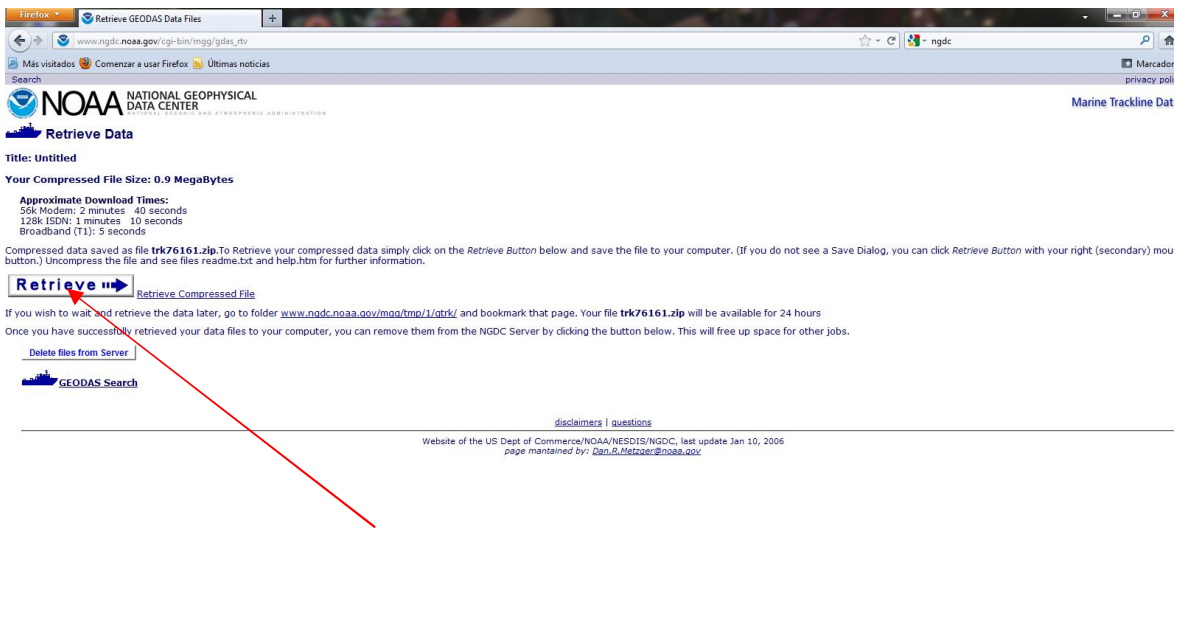
Compress and Retrieve Your Data

- Include GEODAS Software for Downloads Ver 5.0.14 (6mb) 
- Include GEODAS Coastlines (24mb) 

[disclaimers](#) | [questions](#)

Website of the US Dept of Commerce/NOAA/NESDIS/NGDC, last update Jan 10, 2006
page maintained by: Dan.R.Metzger@noaa.gov

8. Damos click en: Retrieve



Firefox Retriev... Retrieve GEODAS Data Files

www.ngdc.noaa.gov/cgi-bin/mgg/gdas_tv

Más visitados Comenzar a usar Firefox Últimas noticias

Search

NOAA NATIONAL GEOPHYSICAL DATA CENTER
U.S. DEPARTMENT OF COMMERCE AND ATMOSPHERIC ADMINISTRATION

Marine Trackline Dat


Retrieve Data

Title: Untitled

Your Compressed File Size: 0.9 MegaBytes

Approximate Download Times:
56k Modem: 2 minutes 40 seconds
128k ISDN: 1 minutes 10 seconds
Broadband (T1): 9 seconds

Compressed data saved as file **trk76161.zip**. To Retrieve your compressed data simply click on the **Retrieve** Button below and save the file to your computer. (If you do not see a Save Dialog, you can click **Retrieve** Button with your right (secondary) mouse button.) Uncompress the file and see files readme.txt and help.htm for further information.

Retrieve  [Retrieve Compressed File](#)

If you wish to wait and retrieve the data later, go to folder www.ngdc.noaa.gov/mgg/tmp/1/gtrk/ and bookmark that page. Your file **trk76161.zip** will be available for 24 hours
Once you have successfully retrieved your data files to your computer, you can remove them from the NGDC Server by clicking the button below. This will free up space for other jobs.

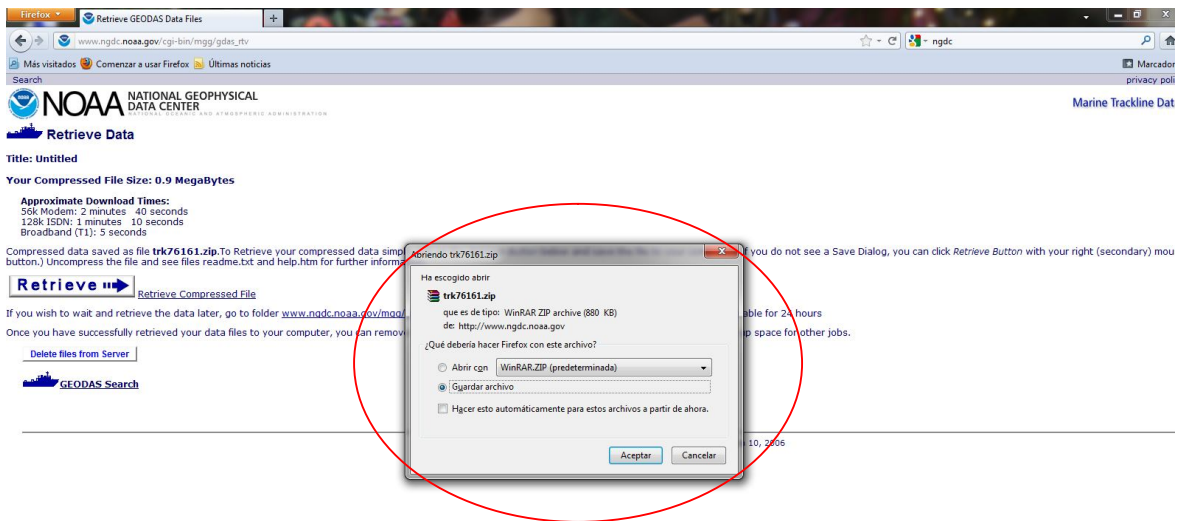
[Delete files from Server](#)

[GEODAS Search](#)

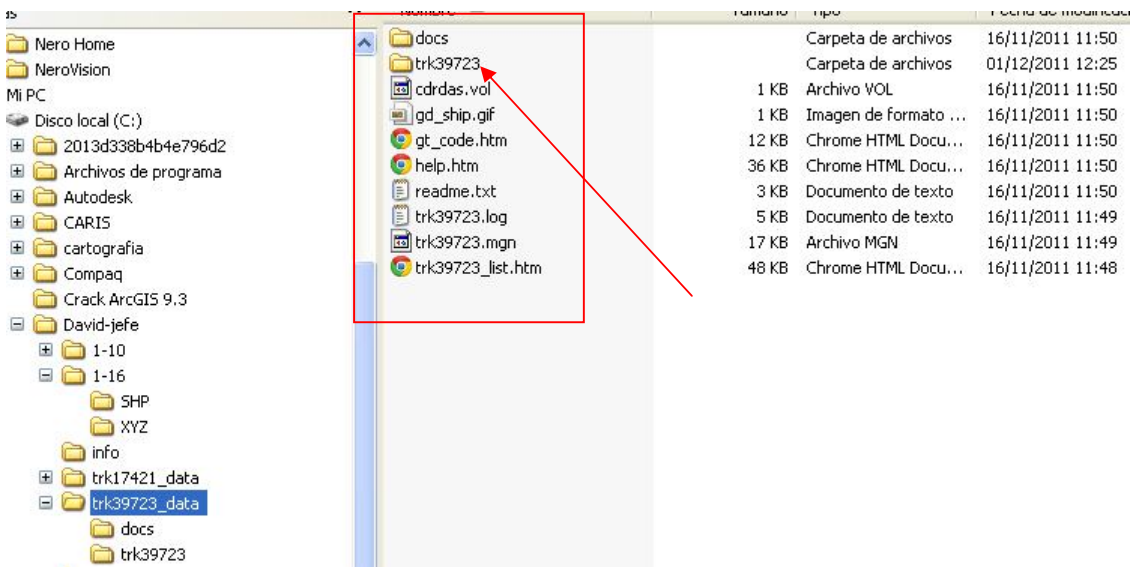
[disclaimers](#) | [questions](#)

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9. Guardamos el archivo en formato ZIP que genera la búsqueda



10. Después de haber hecho todo este proceso descomprimos el archivo; generando una lista de archivos y carpetas como lo muestra a continuación:



11. Abrimos la carpeta como lo muestra el ejemplo, aquí encontramos una serie de archivos con varios formatos, únicamente tomamos el que está en formato (XYZ); lo abrimos en Excel conservando las filas y columnas. Aquí tenemos que invertir la columna de las longitudes con la columna de las latitudes, abrimos dos columnas nuevas seguidas de cada una para insertar las letras (N y W), según corresponda.

12. Después de este proceso copiamos todo y lo pegamos en el Block de Notas para eliminarles el signo negativo que tienen a la izquierda, le dejamos el mismo formato (XYZ).

13. A partir de este archivo se continúa con el proceso de edición cartográfica en el respectivo software. Ejemplo, con el software CARIS GIS lo importamos en la cabecera (ME o principal de CARIS) y continuamos con el proceso cartográfico normal.

JT Dagoberto Uriel David Viteri
Dirección General Marítima de Colombia
Centro de Investigaciones Oceanográficas e hidrográficas
Secretario Proyecto IBCCA