GTSPP Web Interface (GWI)

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What is GWI?

GWI = GTSPP Web Interface

URL = http://www.nodc.noaa.gov/cgi-bin/gtspp/gtsppform01.cgi

A Web-based application that will provide:
- **Access and Retrieval of GTSPP Data Subsets**
- **Flexible Interactive Tools**
- **Utilizes and Preserves QC and other Metadata**
- **Choice of Formats**

Why is GWI Needed?

- To provide scientists, educators, and decision makers with improved awareness of and ability to use the GTSPP data.

- To build a set of effective tools for access, interpretation, and analysis of both archived and near real-time global ocean temperature and salinity data.

Web Interface Options

WEB Interface Version 1.0

- **Real-Time, Delayed Mode, or Best Copy**
- **User-specified Latitude and Longitude box**
- **Any date range, 1990 – Present**
- **Season filter**
- **Specify data type(s)**
- **Data Summary (count of data found)**
- **Data in MEDS-ASCII or zipped MEDS-ASCII**

Search by Spatial Range

Step 1. Specify the Spatial Range:

To select the region of interest, do one of three things:
- Enter values in the text fields below; or
- Mouse-drag on the map and click "OK" to place values in the text boxes; or
- Select an ocean basin using the radio buttons

Northernmost Latitude
90.0

Westernmost Longitude -180.0   180.0   Easternmost Longitude

-90.0
Southernmost Latitude

IMap 1.1
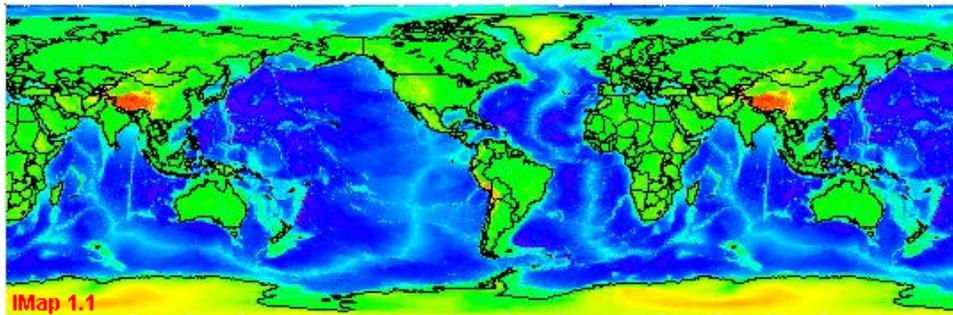
OK

◉ Use custom area selected above by Latitude and Longitude; or select an ocean basin:
○ Atlantic Ocean   ○ Pacific Ocean   ○ Indian Ocean

Note: The Three Major Ocean Areas are as defined for GTSPP Scientific QC Editing

Search by Dates, Season, Mode

Step 2. Specify Date Range:

	MONTH	DAY	YEAR
BEGIN:	FEB	01	200 / 6
END:	FEB	28	200 / 6

Step 3. Specify Season Range:

In addition to the date range (above), you may also specify a range of days to define a season; for example, if you want to retrieve only winter data, you might select December 15 through March 14, or January 1 through March 31.

	MONTH	DAY		MONTH	DAY
BEGIN:	JAN	01	END:	DEC	31

Step 4. Specify Data Mode:

◉ Best Copy ○ Real Time ○ Delayed

Data (Instrument) Types, Products

Step 5. Specify Data Type(s):

Select one or more instrument or data source
(Hold down Control to select more than one)

```
ALL (Include all instruments and sources)
BOT (Bottle Station Data)
CTD (Conductivity-Temperature-Depth)
MBT (Mechanical Bathy Thermograph)
XBT (Expendable Bathy Thermograph)
BA (GTS BATHY Message Data: Real-Time XBT)
```

Step 6. Specify a Product:

○ Display Values selected in form and the SQL, but
do not query the database *(For diagnostic use)*

○ Display Count of stations

○ Display List of Station (DBID) Numbers

○ Retrieve data and display in HTML
(Recommended only for small numbers of stations)

● Prepare a data file for downloading

Submit this query form: [Submit]   [Reset Form]

Warning: The time required to complete your search will depend on the
complexity of the selection criteria as well as the size of the data you requested.

| Site Map | Access Data | Submit Data | Intended Use of the Data ? | Customer Serv

The Future

Graphics
- **Distribution Map**
- **Parameter Plots**

Quality Selection
- **Suppress Profile Levels with "bad data" (Prof_Q_Parm or Depres_Q > n)**
- **Suppress Stations with > x% "bad data"**
- **Suppress Stations with Q_Pos or Q_Date_Time > 1**

XBT Fall-Rate (Depth) Correction
- **Suppress Stations with Unknown Correction**
- **Deliver Depth-Corrected Data**

The Future

Platform Selection
- **Callsign (CruiseID)**
- **Platform ID**

Other Surface Code Parameter Selection
- **NODC Accession Number**
- **Data Base ID**
- **QC Status (Science QC)**

Data Formats
- **NetCDF**
- **Human Readable Text**

It's time for a break!!!