

SOP 84: Obtaining Climate Records

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1 Terrestrial Meteorological Data

1.1 Climate Data Online (CDO) system

<https://www.ncdc.noaa.gov/cdo-web/>

Follow Link Browse Datasets

Expand Link Daily Summaries

Change Date Range Select the earliest data on the list to the present. Although your site might not have these records, it's easier to set the greatest range upfront.

Add Search Terms Select the state or country of interest.

Start Search

Add to Cart Don't worry, there is no charge (yet!)

Station Detail & Data Flag Options Change to metric, dataset to include ppt and temperature.

Click 'Continue' Button NOTE: Error – *Text order size is 3,948 Station Years, which exceeds our capacity of 1,000 Station Years. Please select fewer stations/locations, or reduce the date range.

1.2 Historical Climatology Network-Daily (GHCND) data

https://www1.ncdc.noaa.gov/pub/data/cdo/documentation/GHCND_documentation.pdf

1.3 rNOAA library tools

Get an API code...

<ftp://ftp.ncdc.noaa.gov/pub/data/ghcn/daily/gsn/>

- 1.4 Sources of Data
- 1.5 Interface Choices
- 1.6 Evaluating Records
- 1.7 Export Options
- 2 Sea Surface Temperature Data
- 3 Satellite Data
- 4 Ice-Core Data