Climate Data Online: Web Services Documentation

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Stations

Stations are where the data comes from (for most datasets) and can be considered the smallest granual of location data. If the desired station is known, all of its data can quickly be viewed

Endpoints

PATH	DESCRIPTION
https://www.ncei.noaa.gov/cdo-web/api/v2/stations/{id}	Used to find information about station with id of {id}
https://www.ncei.noaa.gov/cdo-web/api/v2/stations	When used without optional parameters, fetches list of available stations. Use with optional parameters below to filter results

Additional Parameters

PARAMETER	EXAMPLE	DESCRIPTION
datasetid	GSOM	Optional. Accepts a valid dataset id or a chain of dataset ids separated by ampersands. Stati returned will be supported by dataset(s) specified
locationid	FIPS:37	Optional. Accepts a valid location id or a chain of location ids separated by ampersands. Sta returned will contain data for the location(s) specified
datacategoryid	TEMP	Optional. Accepts a valid data category id or an array of data category ids. Stations returned associated with the data category(ies) specified
datatypeid	ACMH	Optional. Accepts a valid data type id or a chain of data type ids separated by ampersands. returned will contain all of the data type(s) specified
extent	47.5204,-122.2047,47.6139,-122.1065	Optional. The desired geographical extent for search. Designed to take a parameter generat Google Maps API V3 LatLngBounds.toUrlValue (https://www.ncei.noaa.gov//developers.google.com/maps/documentation/javascript/reference#LatLng Stations returned must be located within the extent specified.
startdate	1970-10-03	Optional. Accepts valid ISO formated date (yyyy-mm-dd). Stations returned will have data aft specified date. Paramater can be use independently of enddate
enddate	2012-09-10	Optional. Accepts valid ISO formated date (yyyy-mm-dd). Stations returned will have data be specified date. Paramater can be use independently of startdate
sortfield	name	Optional. The field to sort results by. Supports id, name, mindate, maxdate, and datacoverage fields
sortorder	desc	Optional. Which order to sort by, asc or desc. Defaults to asc
limit	42	Optional. Defaults to 25, limits the number of results in the response. Maximum is 1000
offset	24	Optional. Defaults to 0, used to offset the resultlist. The example would begin with record 2

Examples

```
   Click on the links below and a preview will display example results from
   each REST query. Copy the URL listed below to use as a reference.
   *Note: Assigned token is required to use these queries and must be in the header
```

Fetch all available stations
https://www.ncei.noaa.gov/cdo-web/api/v2/stations

Fetch all information about the Abbeville AL station specifically
https://www.ncei.noaa.gov/cdo-web/api/v2/stations/COOP:010008

Fetch all the stations in North Carolina, US (FIPS:37)
```
https://www.ncei.noaa.gov/cdo-web/api/v2/stations?locationid=FIPS:37
```

Fetch a list of stations that support a given set of data types
```
https://www.ncei.noaa.gov/cdo-web/api/v2/stations?datatypeid=EMNT&datatypeid=EMXT&datatypeid=HTMN
```