

Climate Data Online: Web Services Documentation

| | | | | | | | |
|---------------------------------|--------------------------|---------------------------------|----------------------------|-------------------------------------|-----------|--------------------------|----------------------|
| Getting Started | Datasets | Data Categories | Data Types | Location Categories | Locations | Stations | Data |
|---------------------------------|--------------------------|---------------------------------|----------------------------|-------------------------------------|-----------|--------------------------|----------------------|

Locations

Locations can be a specific latitude/longitude point such as a station, or a label representing a bounding area such as a city.

Endpoints

| PATH | DESCRIPTION |
|--|---|
| <code>https://www.ncei.noaa.gov/cdo-web/api/v2/locations/{id}</code> | Used to find information about the location with id of {id}. |
| <code>https://www.ncei.noaa.gov/cdo-web/api/v2/locations</code> | When used without optional parameters, fetches list of available locations. 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. Locations returned will be supported by dataset(s) specified. |
| locationcategoryid | CITY | Optional. Accepts a valid location id or a chain of location category ids separated by ampersands. Locations returned will be in the location category(ies) specified. |
| datacategoryid | TEMP | Optional. Accepts a valid data category id or an array of data category IDs. Locations returned will be associated with the data category(ies) specified. |
| startdate | 1970-10-03 | Optional. Accepts valid ISO formatted date (yyyy-mm-dd). Locations returned will have data after the specified date. Paramater can be use independently of enddate. |
| enddate | 2012-09-10 | Optional. Accepts valid ISO formatted date (yyyy-mm-dd). Locations returned will have data before the 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 24. |

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 available locations](#)
`https://www.ncei.noaa.gov/cdo-web/api/v2/locations`

[Fetch more information about location id FIPS:37](#)

<https://www.ncei.noaa.gov/cdo-web/api/v2/locations/FIPS:37>

[Fetch available locations for the GHCND \(Daily Summaries\) dataset](#)

<https://www.ncei.noaa.gov/cdo-web/api/v2/locations?datasetid=GHCND>

[Fetch all U.S. States](#)

<https://www.ncei.noaa.gov/cdo-web/api/v2/locations?locationcategoryid=ST&limit=52>
