

Climate Data Online: Web Services Documentation

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

Describes the type of data, acts as a label. If it's 64°f out right now, then the data type is Air Temperature and the data is 64.

Endpoints

PATH	DESCRIPTION
<code>https://www.ncei.noaa.gov/cdo-web/api/v2/datatypes/{id}</code>	Used to find information about the data type with id of {id}
<code>https://www.ncei.noaa.gov/cdo-web/api/v2/datatypes</code>	When used without optional parameters, fetches list of available data types. 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. Data types 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. Data types returned will be applicable for the location(s) specified
stationid	COOP:010957	Optional. Accepts a valid station id or a chain of station ids separated by ampersands. Data types returned will be applicable for the station(s) specified
datacategoryid	TEMP	Optional. Accepts a valid data category id or a chain of data category ids separated by ampersands (although it is rare to have a data type with more than one data category). Data types returned will be associated with the data category(ies) specified
startdate	1970-10-03	Optional. Accepts valid ISO formatted date (yyyy-mm-dd). Data types 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). Data types 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 data types](https://www.ncei.noaa.gov/cdo-web/api/v2/datatypes)

<https://www.ncei.noaa.gov/cdo-web/api/v2/datatypes>

[Fetch more information about the ACMH data type id](https://www.ncei.noaa.gov/cdo-web/api/v2/datatypes/ACMH)

<https://www.ncei.noaa.gov/cdo-web/api/v2/datatypes/ACMH>

[Fetch data types with the air temperature data category](https://www.ncei.noaa.gov/cdo-web/api/v2/datatypes?datacategoryid=TEMP&limit=56)

<https://www.ncei.noaa.gov/cdo-web/api/v2/datatypes?datacategoryid=TEMP&limit=56>

[Fetch data types that support a given set of stations](https://www.ncei.noaa.gov/cdo-web/api/v2/datatypes?stationid=COOP:310090&stationid=COOP:310184&stationid=COOP:310185)

<https://www.ncei.noaa.gov/cdo-web/api/v2/datatypes?stationid=COOP:310090&stationid=COOP:310184&stationid=COOP:310185>