

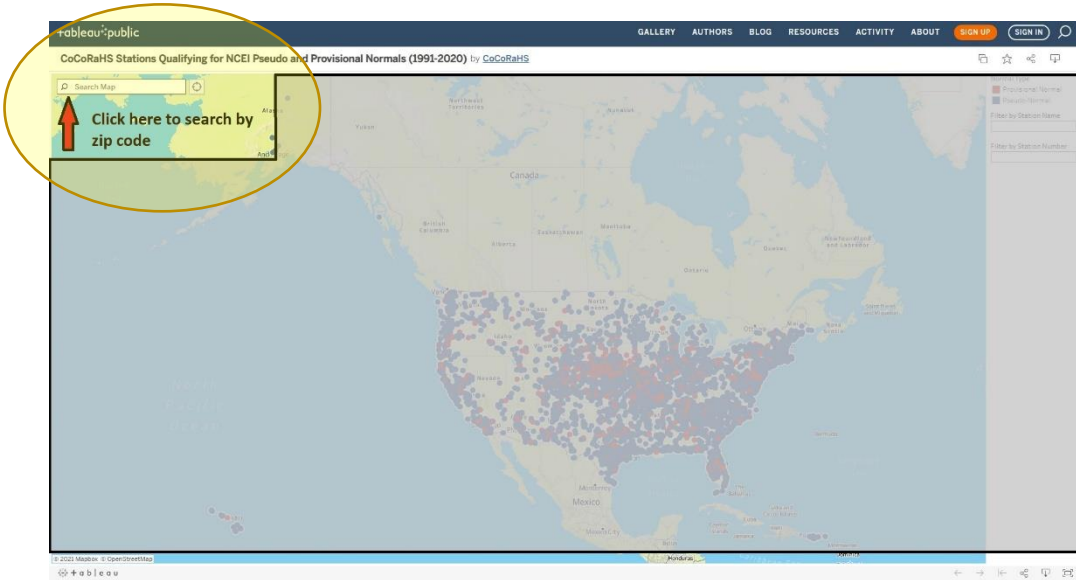


How to Access NCEI data from the Tableau Map

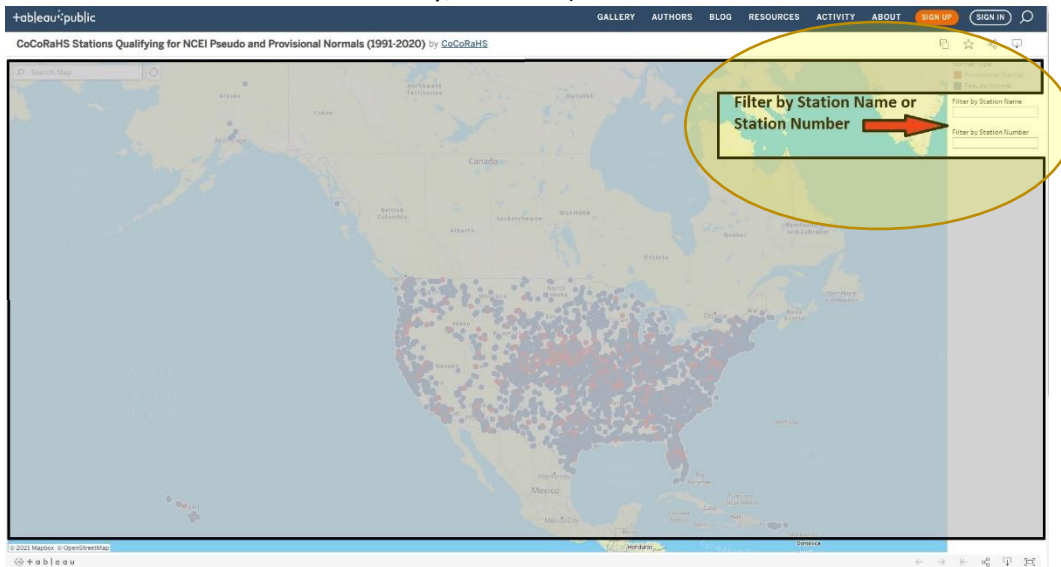
[Click here to access the map](#)

Step 1: Locating your station

- Search by city, state – although the zip code by itself also works well:

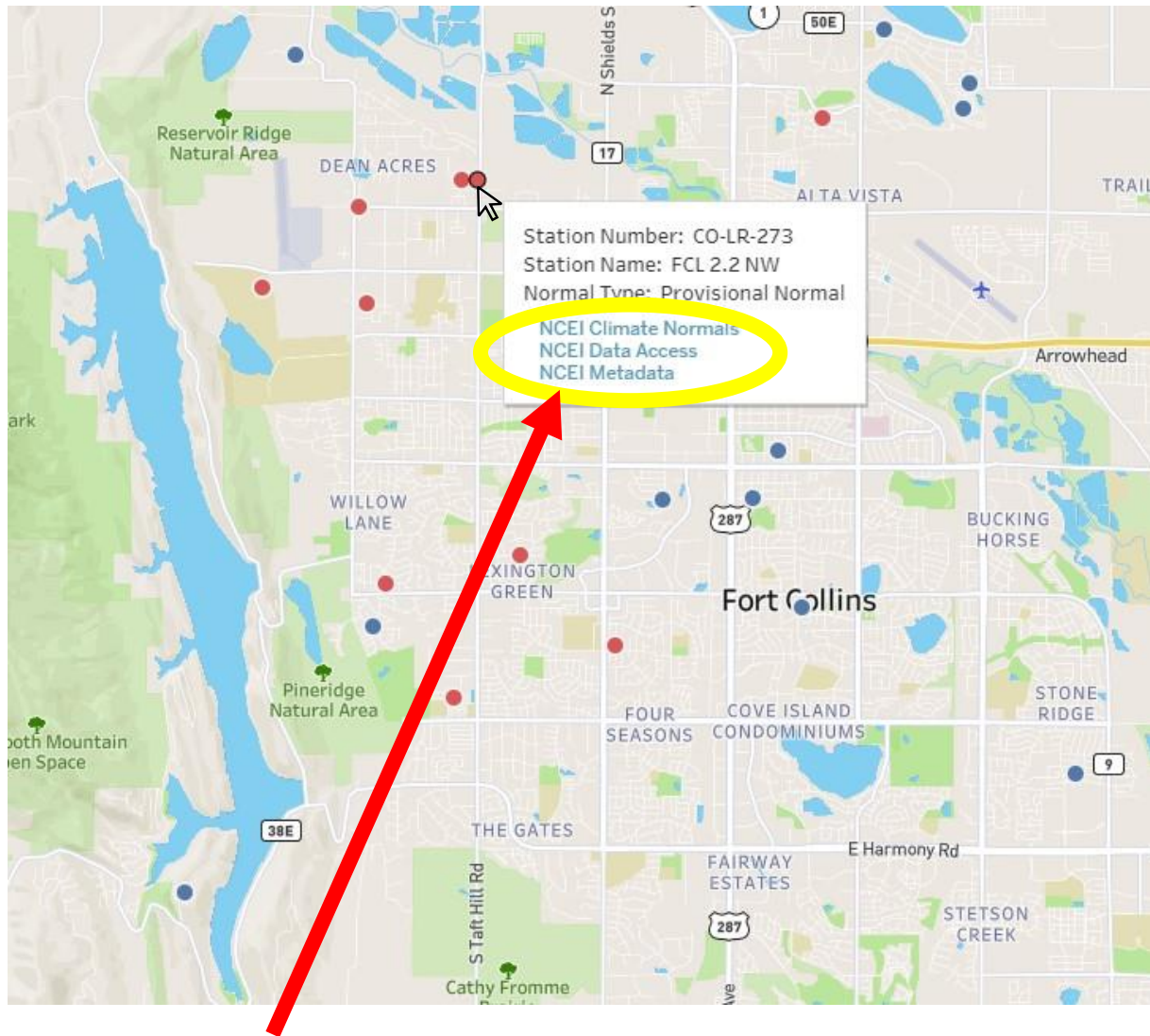


- Search by Filter:
 - **Station Name** (or just the beginning few letters, i.e. “Fort” for Fort Collins)
 - **Station Number** (can also be partial, i.e. “CO-” for all of Colorado, or “CO-LR” for all stations in Larimer County, Colorado)



Step 2.) Hover your mouse (or tap on a station if using a mobile device)

Information and options for viewing data on the NCEI website will appear:



Step 3.) Click on NCEI Climate Normals, Data Access or Metadata to view the data

Each link will open in a new tab.

What am I looking at?

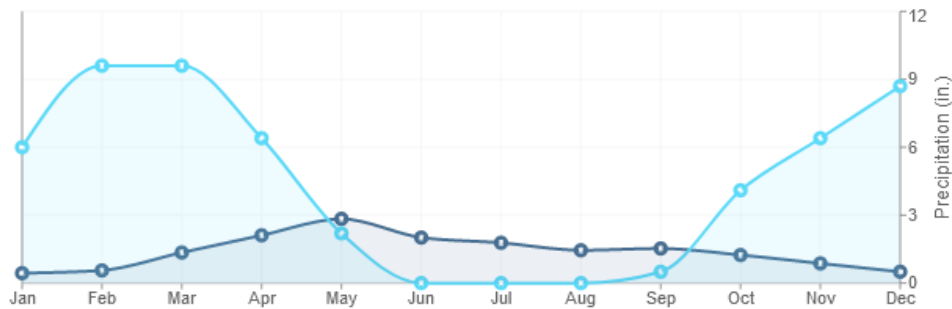
NCEI Climate Normals

*Note that data is accessed using your station name, not station number. This list includes all U.S. Cooperative Network and CoCoRaHS stations.

Averages are displayed showing monthly totals. The data are both plotted and summarized in a table. If you have a sufficient amount of snow observations, the snow will plot and list along with the precipitation.

FCL 2.2 NW, CO

Get this data as [.csv](#) | [.pdf](#)



Month	PRECIP (IN)	SNOW (IN)
Jan	0.44	6.0
Feb	0.56	9.6
Mar	1.35	9.6
Apr	2.11	6.4
May	2.84	2.2
Jun	2.01	0.0
Jul	1.78	0.0
Aug	1.45	0.0
Sep	1.53	0.5
Oct	1.24	4.1
Nov	0.87	6.4
Dec	0.50	8.7

You can also download your data in a comma separated format (CSV) or PDF format. The CSV output will generally ask to open in an Excel file. If Pseudo-normals were calculated for the station, only the monthly means will be available. If the station has Provisional normals, the document contains the mean number of days for different precipitation thresholds and monthly precipitation probabilities. These values are something that has not ever been available to CoCoRaHS observers before.

Example of data for a Pseudo-normal station

U.S. Department of Commerce National Oceanic & Atmospheric Administration National Environmental Satellite, Data, and Information Service Current Location: Elev: 602 ft. Lat: 41.3401° N Lon: -89.0959° W Station: LA SALLE 0.1 W, IL US US1ILL50034		Summary of Monthly Normals 1991-2020 Generated on 08/02/2021				National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801		
Precipitation (in.)								
Totals		Mean Number of Days				Precipitation Probabilities Probability that precipitation will be equal to or less than the indicated amount		
Means		Daily Precipitation				Monthly Precipitation vs. Probability Levels		
Month	Mean	>= 0.01	>= 0.10	>= 0.50	>= 1.00	0.25	0.50	0.75
01	2.12							
02	2.00							
03	2.51							
04	3.79							
05	5.12							
06	4.98							
07	4.09							
08	3.90							
09	3.56							
10	3.42							
11	2.89							
12	2.17							
Summary	40.35	0.0	0.0	0.0	0.0	0.00	0.00	0.00

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

Example of data for a Provisional normal station

U.S. Department of Commerce National Oceanic & Atmospheric Administration National Environmental Satellite, Data, and Information Service Current Location: Elev: 5067 ft. Lat: 40.5998° N Lon: -105.1151° W Station: FCL 2.2 NW, CO US US1COLR0273		Summary of Monthly Normals 1991-2020 Generated on 08/03/2021				National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801		
Precipitation (in.)								
Totals		Mean Number of Days				Precipitation Probabilities Probability that precipitation will be equal to or less than the indicated amount		
Means		Daily Precipitation				Monthly Precipitation vs. Probability Levels		
Month	Mean	>= 0.01	>= 0.10	>= 0.50	>= 1.00	0.25	0.50	0.75
01	0.44	4.2	1.3	0.1	0.0	0.18	0.39	0.62
02	0.56	6.5	2.0	0.1	0.0	0.27	0.53	0.81
03	1.35	6.5	2.9	0.8	0.2	0.50	1.01	1.69
04	2.11	8.7	3.8	1.2	0.4	0.98	2.04	2.68
05	2.84	12.0	6.0	1.8	0.6	1.69	2.44	3.92
06	2.01	9.3	4.0	0.9	0.2	0.81	1.79	2.80
07	1.78	10.0	4.0	0.6	0.1	0.64	1.37	2.42
08	1.45	9.6	2.7	0.6	0.2	0.54	1.06	2.08
09	1.53	7.5	3.5	1.0	0.2	0.60	1.24	2.27
10	1.24	6.7	3.1	0.8	0.1	0.61	1.11	1.78
11	0.87	4.8	2.2	0.3	0.1	0.55	0.74	1.03
12	0.50	5.0	1.9	0.0	0.0	0.17	0.46	0.60
Summary	16.68	90.8	37.4	8.2	2.1	7.54	14.18	22.70

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

NCEI Station Data Access



NOAA NATIONAL CENTERS FOR ENVIRONMENTAL INFORMATION
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION



Home Climate Information Data Access Customer Support Contact About Search

Home > Climate Data Online > Station Details Datasets Search Tool Mapping Tool Data Tools Help

Daily Summaries Station Details

STATION DETAILS	
Name	FCL 2.2 NW, CO US
Network:ID	GHCND:US1COLR0273
Latitude/Longitude	40.599849°, -105.115094°
Elevation	1544.4 m

PERIOD OF RECORD	
Start Date ¹	1998-06-11
End Date ¹	2021-08-10
Data Coverage ²	97%



Access and download (free) official monthly forms here

Station Data Inventory, Access & History

Data & Inventory

View Data

Available Data Types

Precipitation

Water

General History

2004 to Present

Location History

2004 to Present

Equipment History

No History Available

View Station Data

View current station data by selecting the desired options below and clicking the "View Data" button.

Select Year

Select Month

VIEW DATA

View Station Data Help

View Station Data is a web based interface which allows easy access to NCDC's station databases. Data coverage is stored based on observations over a specific period of time whether annually, monthly, or daily. The date range changes based on the selected dataset.

Select the date range to choose a time period. Then click on the "VIEW DATA" button. If you find that you need more guidance, contact our customer support team.

Metadata

Historical Observing Metadata Repository



The Historical Observing Metadata Repository (HOMR) is NCEI's integrated station history database that provides in situ or land-based station metadata in support of NCEI research, reporting, data products, and web applications. HOMR tracks detailed information for a variety of weather stations throughout their lifespans, including identifiers, names, locations, observation times, reporting methods, photos, and equipment modifications and siting. Station histories are most extensive for the National Weather Service (NWS) Cooperative Observing Program, and they include officially documented station changes that adhere to an NWS approval process.

FCL 2.2 NW, CO 2004-10-12 to Present

Station-Level (MSHR) Data Element-Level (PHR) Data Location Data Misc Data

	1/1/2006	1/1/2008	1/1/2010	1/1/2012	1/1/2014	1/1/2016	1/1/2018	Present
Principal Name	FCL 2.2 NW							
State/Province	CO							
County	LARIMER							
Country	UNITED STATES							
GHCND ID	US1COLR0273							
TRANS ID	CO-LR-273							
NCDC ID	30069768							
Latitude	40.599849							
Longitude	-105.115094							
Elevation: Ground	5067							
Network: COCORAHS	COCORAHS							

Historical Current

1/1/2006 1/1/2008 1/1/2010 1/1/2012 1/1/2014 1/1/2016 1/1/2018 Present

MM/DD/YYYY

Save

Print