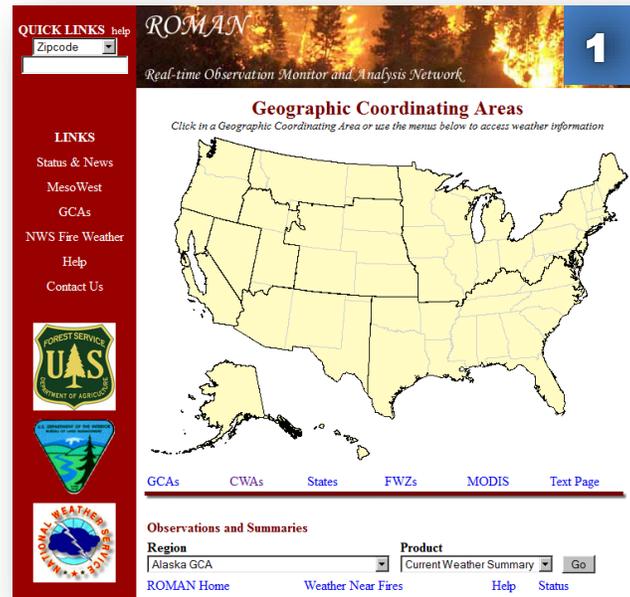


Accessing Archived Data for Weather Stations in Northwest Oregon

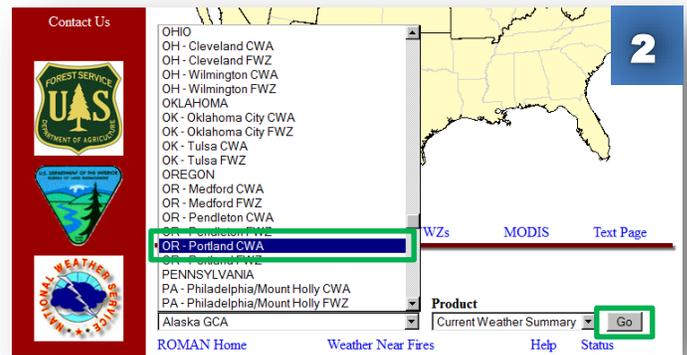
Andy Bryant, NWS Portland

There are a number of federal and Oregon agencies, along with private organizations and individuals, that operate gauges and weather stations, and there are a number of ways to view current and recent data online. This article highlights a way to access current and archived data via the ROMAN website. "ROMAN" stands for Real-time Observation Monitoring and Analysis Network. This website was originally developed for the fire weather community, but it is available for anyone to use at raws.wrh.noaa.gov/roman/ (shown in Fig. 1)



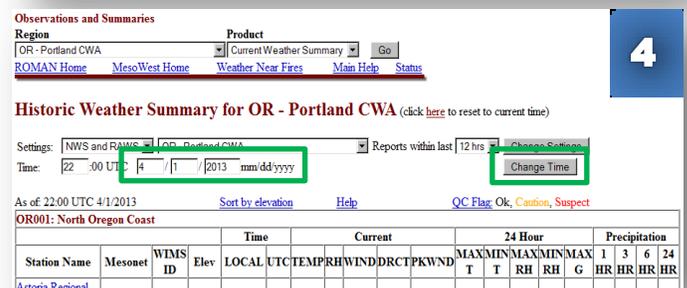
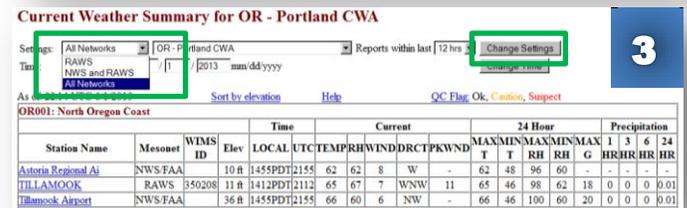
There are many options on this website; it can be a bit overwhelming for first-time users. This article explains how to view archived data for a particular gauge.

The first key is to get to the region of the U.S. that contains the weather stations of interest. You can access different regions using the map interface or the pop-up menu below the map. For Northwest Oregon, your best option might be to choose "OR – Portland CWA" on the pop-up menu, linking to the forecast area for the Portland National Weather Service office (Fig. 2).



Once you select a regional area from the map or the pop-up menu (don't forget to click the [Go] button), you'll link to a page with tables listing weather stations and data for those stations. By default, you won't see data for all weather stations, but you can select "All Networks" from the Settings drop-down menu toward the top of the screen. Then click the [Change Settings] button (Fig. 3).

If you have a particular date in mind, you can change the date and click the [Change Time] button to see data for the date of interest. You can also change the time, but recognize that everything on this web site is displayed as UTC, also called Universal, Zulu, or Greenwich Mean Time. This is 8 hours earlier than Pacific Standard Time and 7 hours earlier than Pacific Daylight Time. From the table of stations, you can select an individual station to access more data for that location. We'll use "Oregon City CW7745" as an example for this article (Fig. 5).



Station ID	Mesonet	WIMS ID	Elev	LOCAL	UTC	TEMP	PRH	WIND	DRCT	PKWND	MAX T	MIN T	MAX RH	MIN RH	MAX G	HR	HR	HR	HR
DW6016																			
Oregon City CW7745																			
CWOP			486 ft	1458PDT	2158	63	68	0	SW	1	74	52	92	42	8	-	-	-	-

The link will take you to a table of data for the most recent 24-hour period (Fig. 6), starting with the oldest data at the top.

To view data for a date in the past, click on "Past Data" on the left-side menu (Fig. 6). This will link to a screen where you can select a past date to view data for (Fig. 7). In this example, the date of January 20th, 2012 has been selected. After clicking [submit], the data will appear, with information about temperature, dew point, wind speed and direction, air pressure, and a running 24-hour precipitation total (Fig. 8). Depending on which station you select, you may see additional details about weather conditions and precipitation amounts.

SITE INFORMATION

ID: C7745
 NAME: CW7745 Oregon City
 LATITUDE: 45.33854
 LONGITUDE: -122.52995
 ELEVATION: 486 ft
 MNET: APRSWXNET/CWOP



(Click for topo/terrain map)
 (Click for satellite)

[Graphical Display](#)

SITE LINKS

[Help](#)
[ROMAN](#)
[Metric Units](#)
[Local Time](#)
[Past Data](#)
[Station Information](#)
[Restrictions](#)
[Data in Spreadsheet Format](#)

DATA COURTESY OF
 APRSWXNET/Citizen
 Weather Observer Program
 and
 Meteorological Assimilation
 Data Ingest System (MADIS)

Past Weather Conditions for C7745

Observations prior to selected time: June 18, 2012 - 21:00 GMT
 Weather Conditions at June 18, 2012 - 20:59 GMT

	20:59	24 Hour Max	24 Hour Min
Temperature	56.0° F	75.0 at 21:24	52.0 at 12:59
Dew Point	52.5° F	57.3 at 21:48	47.3 at 13:04
Relative Humidity	88%	91 at 15:19	51 at 21:28
Wind Speed	0 mph	2 at 21:04	0 at 21:08
Wind Gust	3 mph	7 at 21:28	0 at 4:09
Pressure	29.55 in	29.55 at 20:49	29.44 at 9:59
Sea Level Pressure	30.07 in	30.08 at 20:49	29.96 at 10:39
Altimeter	30.07 in	30.08 at 20:49	29.96 at 9:59

Tabular Listing: June 17, 2012 - 20:00 through June 18, 2012 - 21:00 GMT

Time(GMT)	Temperature	Dew Point	Relative Humidity	Wind Speed	Wind Gust	Wind Direction	Quality check	Pressure	Sea Level	Altimeter	Precipitation
	° F	° F	%	mph	mph			in	in	in	24hr in
20:59	56.0	52.5	88	0	3	N	OK	29.55	30.07	30.07	0.14
20:54	55.0	50.9	86	1	3	NNE	OK	29.55	30.08	30.08	0.14
20:49	55.0	51.5	88	0	2	NNW	OK	29.55	30.08	30.08	0.14
19:19	59.0	49.2	70	1	5	WSW	OK	29.53	30.05	30.05	0.00
19:08	59.0	49.2	70	0	5	S	OK	29.52	30.04	30.05	0.00
18:54	59.0	49.2	70	2	4	SSW	OK	29.52	30.04	30.05	0.00
18:09	59.0	48.9	69	2	5	SSW	OK	29.52	30.04	30.04	0.00
17:59	59.0	48.5	68	1	5	SSW	OK	29.51	30.03	30.04	0.00
17:54	59.0	48.1	67	2	5	SSW	OK	29.51	30.03	30.04	0.00
17:49	59.0	48.5	68	1	5	SSW	OK	29.51	30.03	30.03	0.00
17:34	58.0	48.3	70	2	5	SE	OK	29.51	30.03	30.03	0.00
17:29	58.0	48.3	70	2	5	S	OK	29.51	30.03	30.03	0.00
17:24	58.0	49.4	73	2	5	SSW	OK	29.51	30.03	30.03	0.00
17:18	58.0	49.4	73	1	5	S	OK	29.50	30.02	30.03	0.00
17:14	58.0	49.8	74	1	4	SSW	OK	29.51	30.03	30.03	0.00
17:09	57.0	49.2	75	1	4	SSW	OK	29.51	30.03	30.03	0.00
17:04	57.0	49.5	76	2	4	SSW	OK	29.51	30.03	30.03	0.00

6

Observations and Summaries

Region: OREGON Product: Station Locations

[ROMAN Home](#) [MesoWest Home](#) [Weather Near Fires](#) [Main Help](#) [Status](#)

C7745 Past Data

MesoWest acquired this station on March 21, 2007
 MesoWest last received data from this station on June 1, 2013
 Data are not available outside this date range

Station ID: C7745
 Units in: English
 Time: Local
 Date: 20 January 2012
 Hour: 24:00

Takes 5-15 seconds to process

For more information about weather data, contact National Weather Service – Portland via telephone (503-261-9246) or email (w-pqr.webmaster@noaa.gov). Another good source for climate data is the Oregon Climate Service, www.ocs.orst.edu.

Past Weather Conditions for C7745

Observations prior to selected time: January 20, 2012 - 23:59 PST
 Weather Conditions at January 20, 2012 - 23:58 PST

	23:58	24 Hour Max	24 Hour Min
Temperature	50.0° F	51.0 at 23:18	42.0 at 19:48
Dew Point	48.9° F	50.2 at 23:18	40.7 at 19:48
Relative Humidity	96%	97 at 23:59	95 at 17:28
Wind Speed	5 mph from SSW	6 at 23:18	0 at 0:53
Wind Gust	8 mph	11 at 23:34	0 at 2:09
Pressure	28.70 in	29.28 at 1:38	28.68 at 22:58
Sea Level Pressure	29.21 in	29.80 at 1:38	29.19 at 22:58
Altimeter	29.20 in	29.80 at 1:38	29.18 at 22:58

Time(PST)	Temperature	Dew Point	Relative Humidity	Wind Speed	Wind Gust	Wind Direction	Quality check	Pressure	Sea Level	Altimeter	Precipitation
	° F	° F	%	mph	mph			in	in	in	24hr in
23:58	50.0	48.9	96	5	8	SSW	OK	28.70	29.21	29.20	
23:53	50.0	48.9	96	5	11	SSW	OK	28.69	29.21	29.20	
23:48	50.0	48.9	96	5	11	SSW	OK	28.70	29.21	29.20	
23:43	51.0	49.9	96	6	9	SSW	OK	28.70	29.21	29.21	
23:38	51.0	50.2	97	6	11	SW	OK	28.70	29.21	29.20	
23:34	51.0	50.2	97	5	11	SSW	OK	28.69	29.20	29.20	
23:28	51.0	50.2	97	6	9	SSW	OK	28.69	29.21	29.20	
23:23	51.0	50.2	97	5	9	SSW	OK	28.69	29.20	29.20	
23:18	51.0	50.2	97	6	9	SSW	OK	28.69	29.20	29.20	
23:13	50.0	49.2	97	5	9	SSW	OK	28.68	29.19	29.19	
23:08	50.0	49.2	97	5	10	SSW	OK	28.68	29.19	29.19	
23:03	50.0	49.2	97	4	10	SSW	OK	28.68	29.19	29.19	
22:58	50.0	49.2	97	5	8	S	OK	28.68	29.19	29.18	
22:53	50.0	49.2	97	4	7	S	OK	28.68	29.19	29.19	
22:48	50.0	49.2	97	4	7	SSW	OK	28.68	29.19	29.19	
22:43	50.0	49.2	97	4	7	S	OK	28.68	29.19	29.19	

8