



Weather Station Network News

Data Updates • Station Status • Maintenance Information

220 Water Ave.
Berthoud, CO 80513

800-369-7246 (RAIN)
northernwater.org

Date/Time	Station	Update
7/5/2012 10:40 a.m.	220 Berthoud	Detected 14 incidents since 1/1/2012 when wind vector values were incorrect (VecVel=-7999, VecDir=0, & VecDev=0). Typically occurred when VecDir was near 0 or 360 deg. Data for all 14 incidents have been corrected and sensor issue is under investigation.
7/3/2012 11:20 a.m.	104 Eaton	Vaisala air temperature & relative humidity sensor was replaced with recently calibrated unit. Four incidents (all less than 2 hours) of incorrect temperature data since 6/30/2012 have been corrected.
7/2/2012 1:36 p.m.	109 Crook	Vaisala air temperature & relative humidity sensor was replaced with recently calibrated unit.
7/2/2012 11:27 a.m.	108 Sterling	RM Young wind monitor and cable replaced with recently calibrated unit as potentiometer for measuring wind direction had become suspect.
7/2/2012 10:28 a.m.	220 Berthoud	Li-Cor pyranometer changed out with newly calibrated unit for measuring solar radiation.
7/2/2012 9:36 a.m.	107 Brush	Li-Cor pyranometer changed out with newly calibrated unit for measuring solar radiation.
6/28/2012 12:00 p.m.	103 Longmont South	Vaisala air temperature & relative humidity sensor changed out with newly calibrated unit.
6/28/2012 10:45 a.m.	225 Fort Lupton	Vaisala air temperature & relative humidity sensor changed out with newly calibrated unit. Li-Cor pyranometer changed out with newly calibrated unit for measuring solar radiation.
6/28/2012 8:15 a.m.	106 Wiggins	Spring maintenance and service of station performed. Li-Cor pyranometer changed out with newly calibrated unit for measuring solar radiation. Soil temperature probe changed out with newly calibrated sensor. Funnel installed in weighing bucket precipitation gauge for summer season.
6/26/2012 9:45 a.m.	101 Fort Collins East	Spring maintenance and service of station performed. Tipping bucket rain gauge cleaned and re-leveled. Li-Cor pyranometer changed out with newly calibrated unit for measuring solar radiation. Weighing bucket precipitation gauge serviced and field calibrated.
6/26/2012 7:30 a.m.	102 Loveland	Spring maintenance and service of station performed. Tipping bucket rain gauge swapped with newly calibrated unit. Li-Cor pyranometer changed out with newly calibrated unit for measuring solar radiation. Soil temperature probe changed out with newly calibrated sensor.
6/20/2012 1:15 p.m.	220 Berthoud	Li-Cor pyranometer field checked. Future service scheduled.
6/7/2012 3:45 p.m.	107 Brush	Tipping bucket rain gauge found clogged with bird droppings and debris. Unit was cleaned, re-leveled, and field tested. Previous data corrected as appropriate for delayed measurements of rain events.
6/7/2012 2:15 p.m.	108 Sterling	Spring maintenance and service of station performed. Tipping bucket rain gauge cleaned and re-leveled. Li-Cor pyranometer changed out with newly calibrated

Date/Time	Station	Update
		unit for measuring solar radiation. Errors in wind direction readings corrected for 6-7-12 @ 14:15 thru 6-9-12 @ 11:15 and for 6-10-12 @ 2:45 thru 6-10-12 @ 9:00. Issue under investigation.
6/7/2012 12:30 p.m.	109 Crook	Spring maintenance and service of station performed. Tipping bucket rain gauge cleaned and re-leveled. Li-Cor pyranometer changed out with newly calibrated unit for measuring solar radiation. Soil temperature probe changed out with newly calibrated sensor. RM Young wind monitor changed out for newly calibrated unit.
6/7/2012 10:30 a.m.	110 Ovid	Spring maintenance and service of station performed. Tipping bucket rain gauge cleaned and re-leveled. Weighing bucket precipitation gauge re-charged and funnel installed for summer season. RM Young wind monitor changed out for newly calibrated unit. Li-Cor pyranometer changed out with newly calibrated unit for measuring solar radiation. Soil temperature probe changed out with newly calibrated sensor.
6/6/2012 12:45 p.m.	103 Longmont South	Li-Cor pyranometer changed out with newly calibrated unit for measuring solar radiation. Soil temperature probe changed out with newly calibrated sensor.
6/6/2012 11:00 a.m.	111 Johnson's Corner	Spring maintenance and service of station performed. Tipping bucket rain gauge cleaned and re-leveled. Weighing bucket precipitation gauge re-charged and funnel installed for summer season. Li-Cor pyranometer changed out with newly calibrated unit for measuring solar radiation. Soil temperature probe changed out with newly calibrated sensor.
6/1/2012 1:45 p.m.	105 Gilcrest	Li-Cor pyranometer cleaned of bird droppings and re-leveled. Readings corrected for previous day to present.
6/1/2012 11:30 a.m.	101 Fort Collins East	Li-Cor pyranometer cleaned of bird droppings and re-leveled. Readings corrected for previous day to present.
4/11/2012 7:30 a.m.	228 Fort Collins	Vaisala air temperature & relative humidity sensor was replaced due to vandalism on 4/10/2012 at 4:15 p.m. MST. Both the Gill radiation shield and the Vaisala sensor head were broken by impact(s) from blunt object.
4/10/2012 4:30 p.m.	104 Eaton	Li-Cor pyranometer changed out with newly calibrated unit for measuring solar radiation.
4/10/2012 3:30 p.m.	224 Greeley West	Li-Cor pyranometer changed out with newly calibrated unit for measuring solar radiation.
4/10/2012 1:00 p.m.	222 Fort Morgan	Li-Cor pyranometer changed out with newly calibrated unit for measuring solar radiation.
4/9/2012 3:30 p.m.	105 Gilcrest	Li-Cor pyranometer was changed out because bird droppings had reduced solar radiation readings since start of 4/4/2012.
4/5/2012 12:30 p.m.	108 Sterling	Annual maintenance & service of station included change out of Vaisala air temperature & relative humidity sensor, RM Young wind speed & direction sensor, & soil temperature sensor. The weighing bucket precipitation gauge was also changed out & then field calibrated.
4/5/2012 8:15 a.m.	224 Greeley West	Annual maintenance & service of station included change out of Vaisala air temperature & relative humidity sensor & RM Young wind speed & direction sensor.
4/5/2012 3:30 p.m.	107 Brush	Annual maintenance & service of station included change out of Vaisala air temperature & relative humidity sensor & soil temperature sensor. The weighing bucket precipitation gauge was also changed out & then field calibrated.
4/5/2012 12:00 p.m.	222 Fort Morgan	Annual maintenance & service of station included change out of Vaisala air temperature & relative humidity sensor, RM Young wind speed & direction sensor, & soil temperature sensor. The weighing bucket precipitation gauge was

Date/Time	Station	Update
		serviced and field calibrated.
1/31/2012 12:55 a.m.	233 Boulder North West	Due to high winds on January 18 th , 2011 the top mount of the tipping bucket rain gauge became loose. Due to subsequent vibration during high wind gusts, this rain gauge registered false tips on January 18 th and 19 th . These erroneous readings have been corrected, reducing the previously reported rain amounts.
12/16/2011 8:11 a.m.	225 Fort Lupton	Beginning this morning, a weighing bucket precipitation gauge is being added to the station. Concurrent with this work, the existing tipping bucket rain gauge will be temporarily uninstalled for the winter season. Some erroneous data is possible during this period. However, every effort will be made to correct the data as soon as possible.