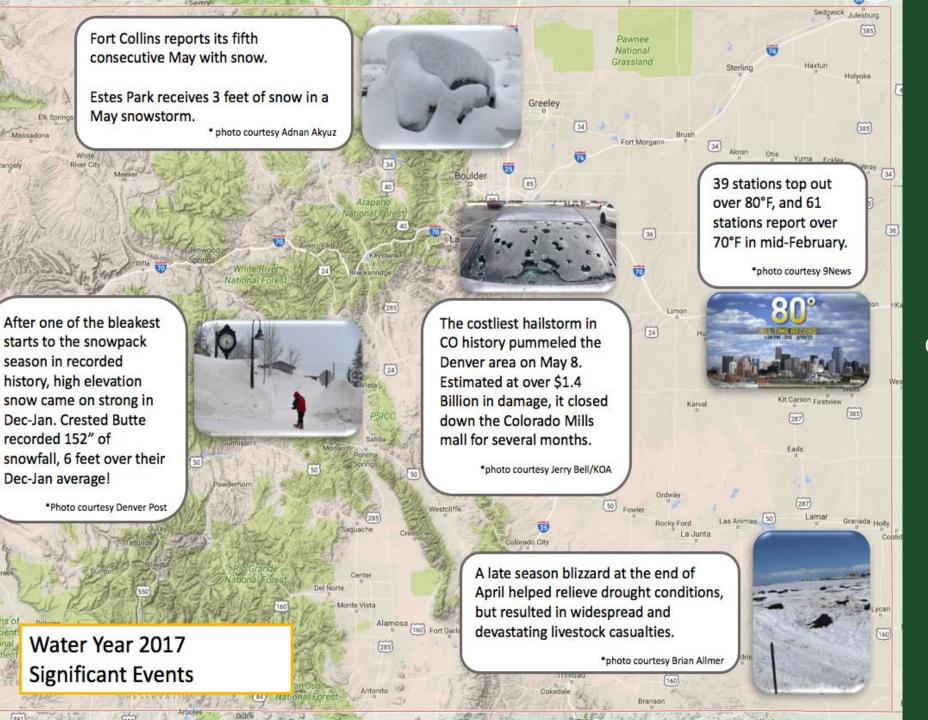
Colorado Climate Center – WATF Climate Update

Becky Bolinger

Water Availability Task Force November 14, 2017

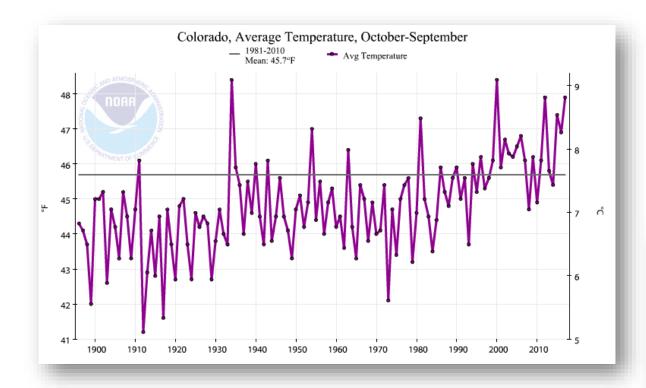




Water Year 2017

Colorado's Climate in Review...

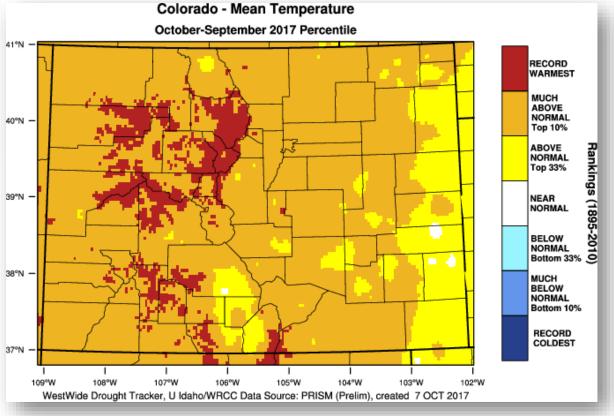




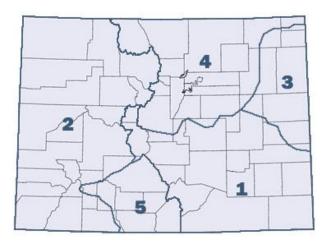
WY Average: 45.7°F

WY2017: 47.9°F

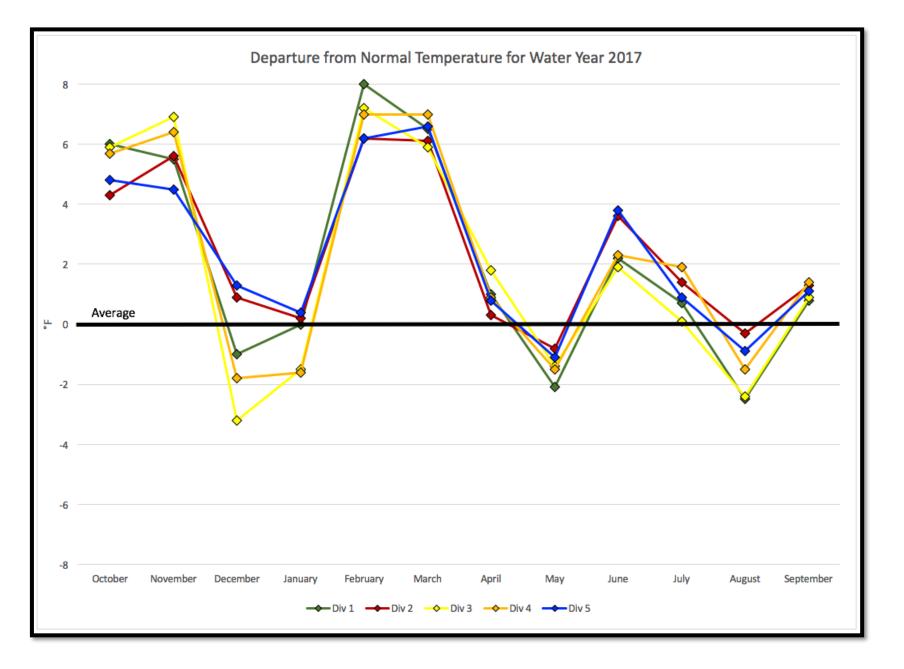
Tied for 3rd warmest on record



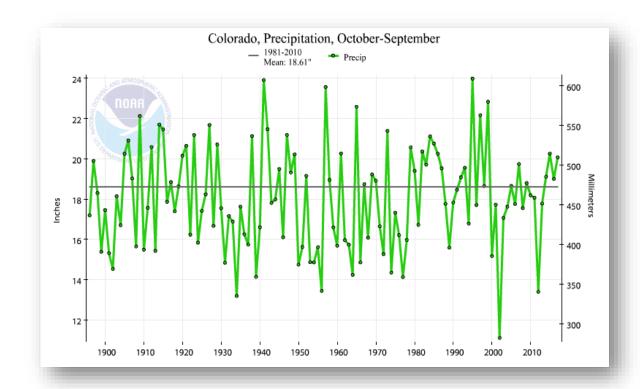




Colorado Climate Divisions



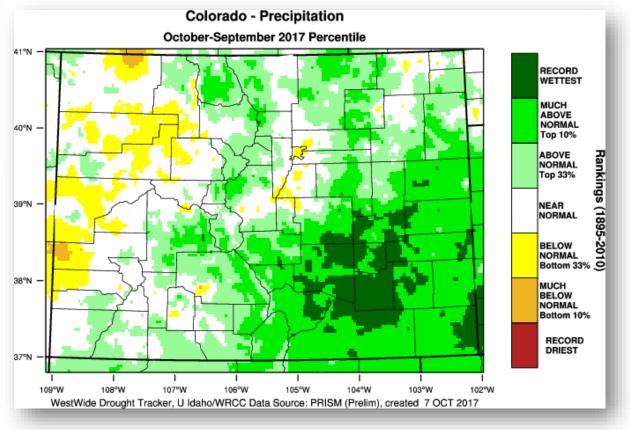




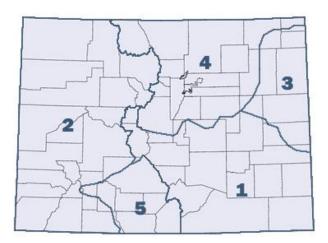
WY Average: 18.61 in.

WY2017: 20.07 in.

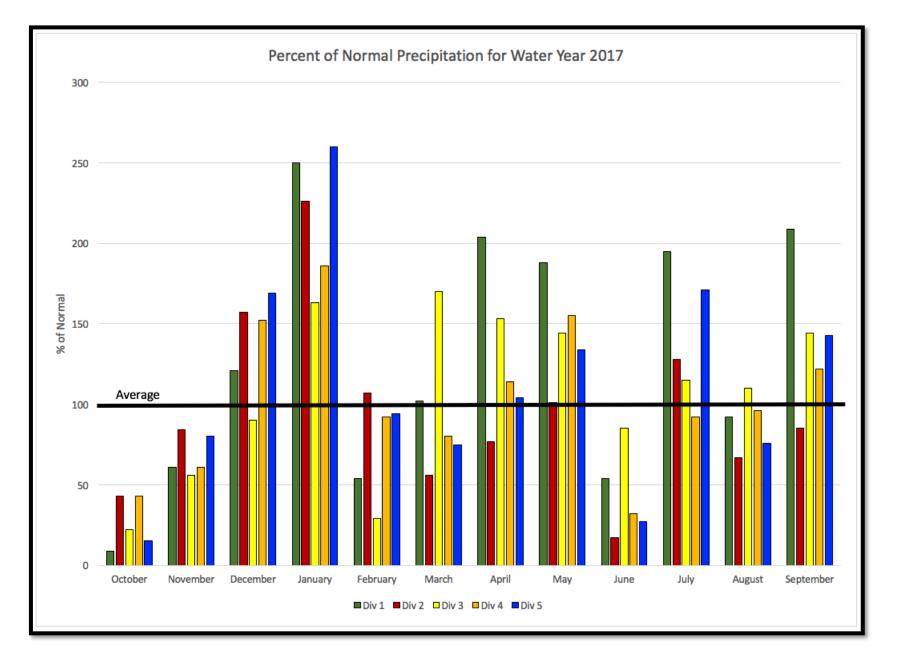
30th wettest on record







Colorado Climate Divisions

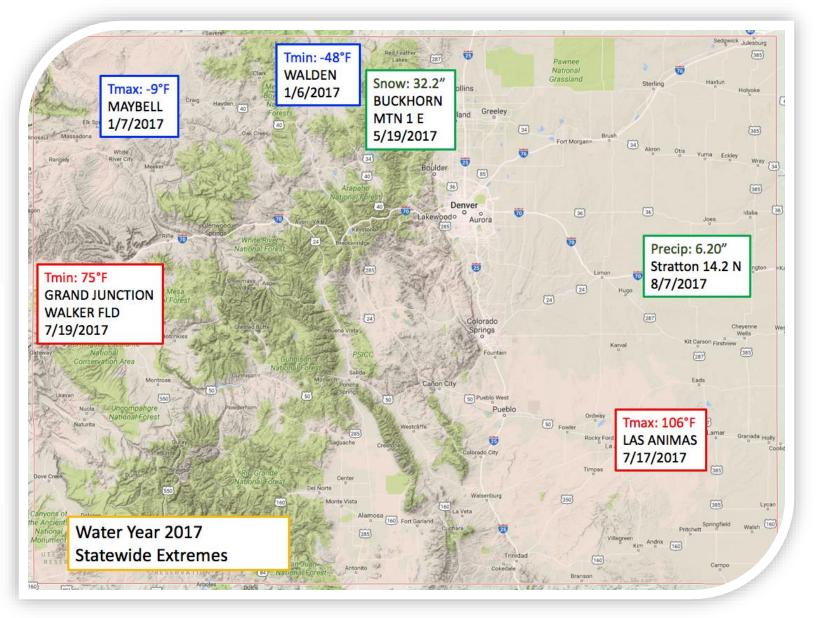




Colorado Records

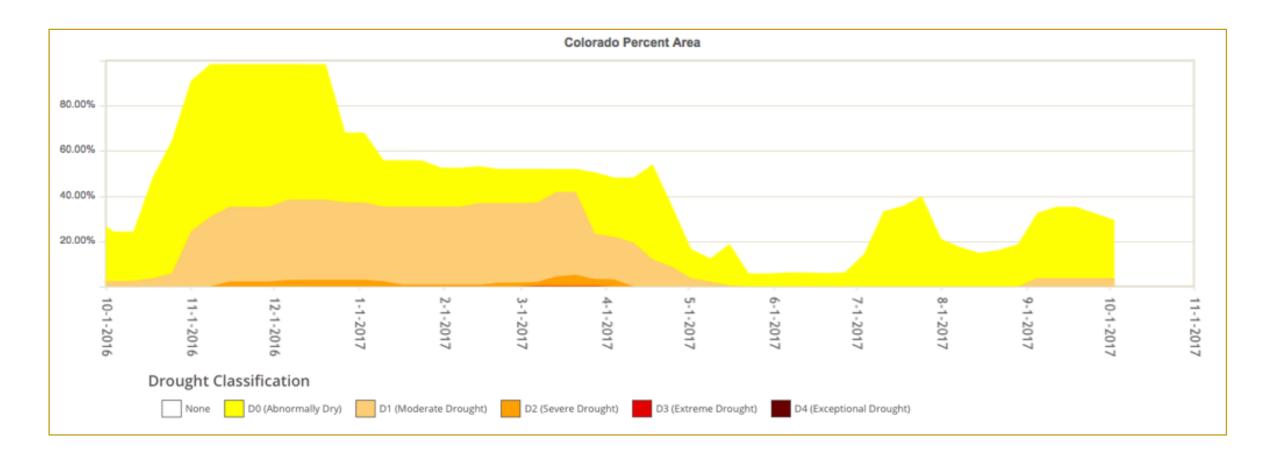
by the numbers...

Weather Record Broken	Record broken for a day	Record broken for a month
Highest Max Temperature	1,047	44
Highest Min Temperature	2,357	113
Lowest Max Temperature	613	2
Lowest Min Temperature	357	5
Highest Precipitation	1,152	35
Highest Snowfall	338	9



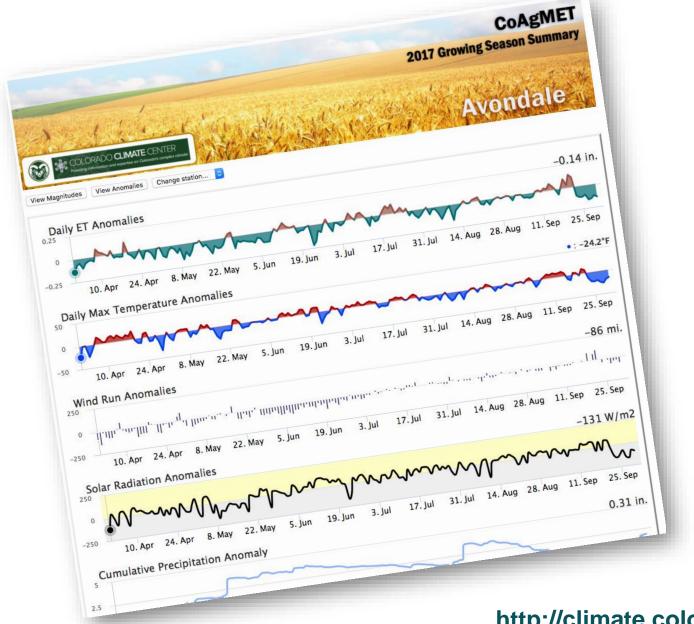


Drought in WY2017 over Colorado









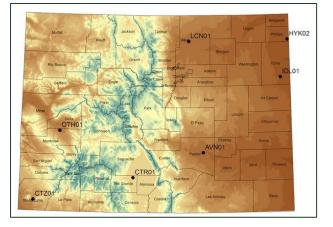
Check out our CoAgMET 2017 Growing Season Interactive Report!

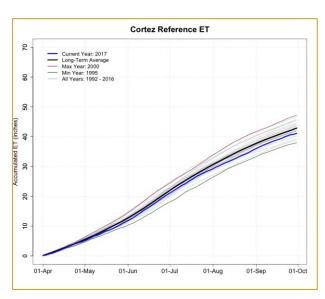
For each of our ET stations...

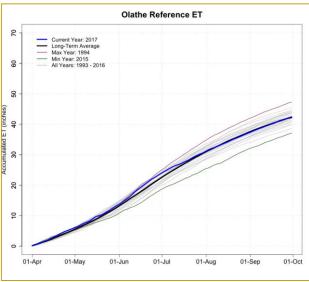
- √ view magnitudes of all variables
- √ view and compare anomalies
- ✓ See accumulated ET graph
- ✓ Read the brief summary

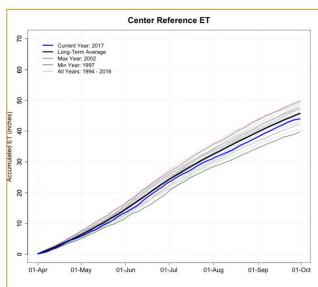
http://climate.colostate.edu/2017ET/et_summary_avn.html

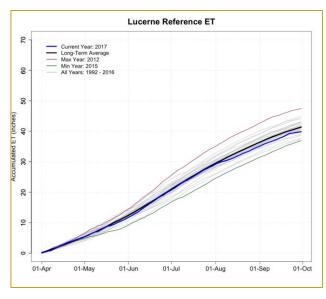


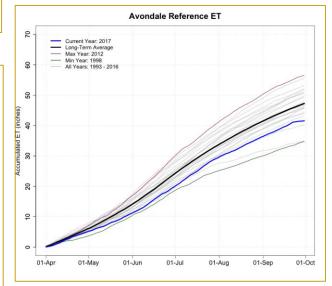


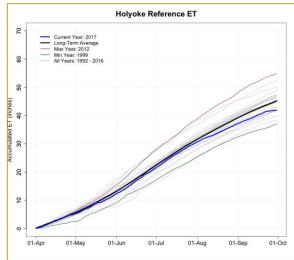


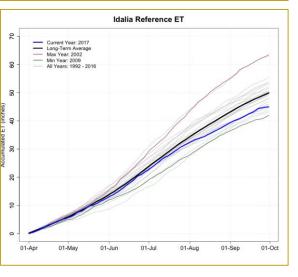












CoAgMET 2017 Accumulated ET





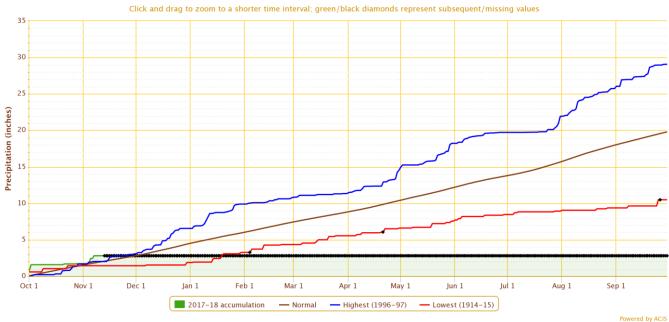


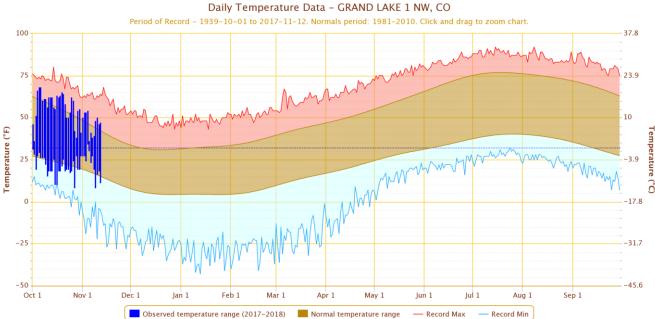
temperature, precipitation, anomalies, drought conditions

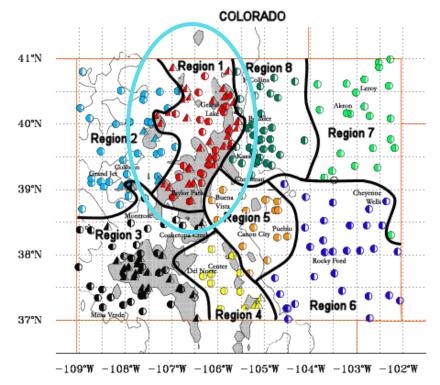




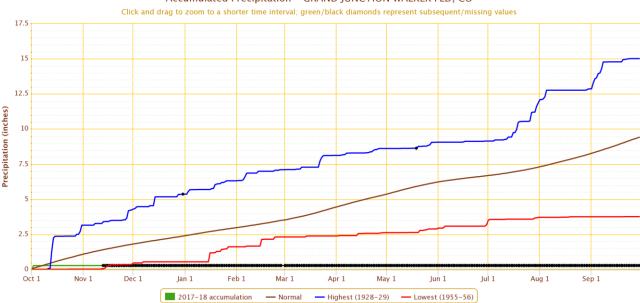
Accumulated Precipitation - GRAND LAKE 1 NW, CO



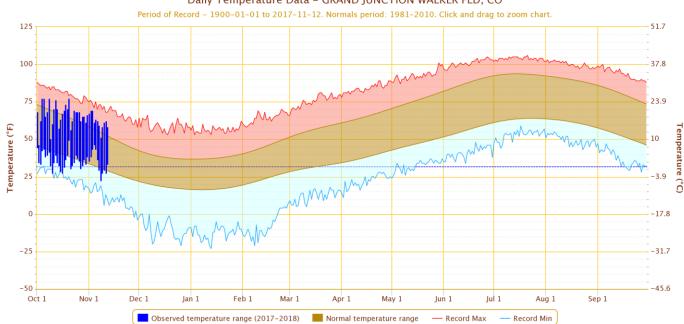




Accumulated Precipitation - GRAND JUNCTION WALKER FLD, CO



Daily Temperature Data - GRAND JUNCTION WALKER FLD, CO



40 N

Region 2

Region 7

Region 6

37°N

Region 6

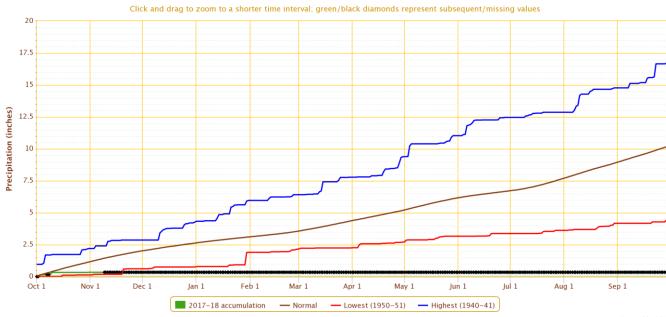
Region 6

COLORADO

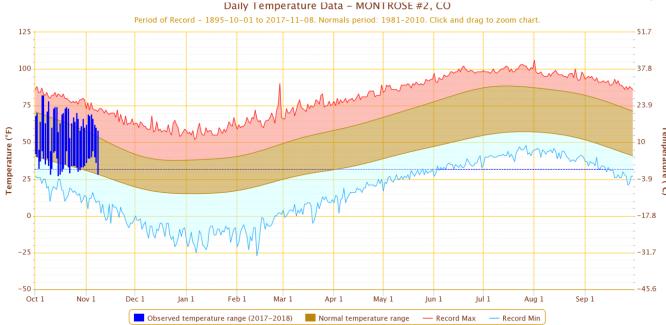


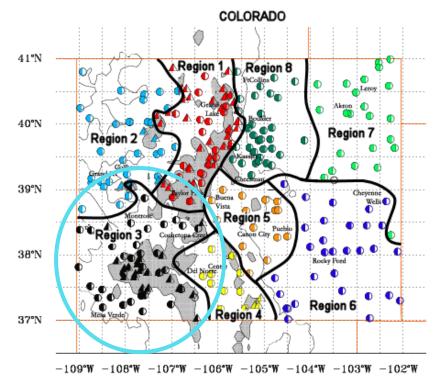


Accumulated Precipitation - MONTROSE #2, CO



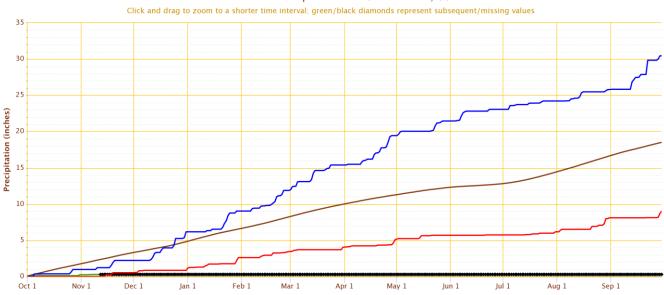
Powered by ACIS







Accumulated Precipitation - MESA VERDE NP, CO



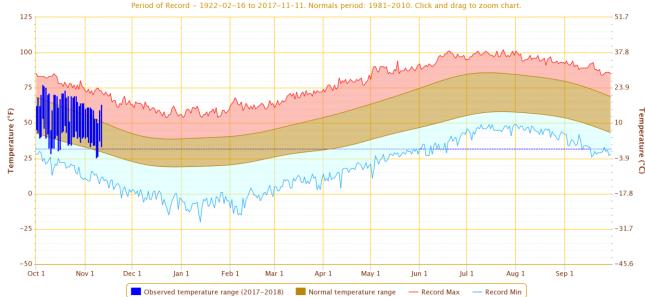
Daily Temperature Data - MESA VERDE NP, CO

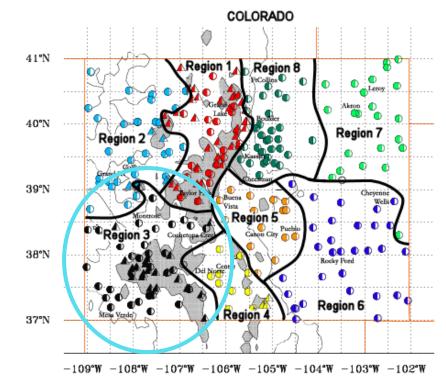
— Lowest (1950–51) — Highest (1940–41)

Powered by ACIS

Powered by ACIS

— Normal

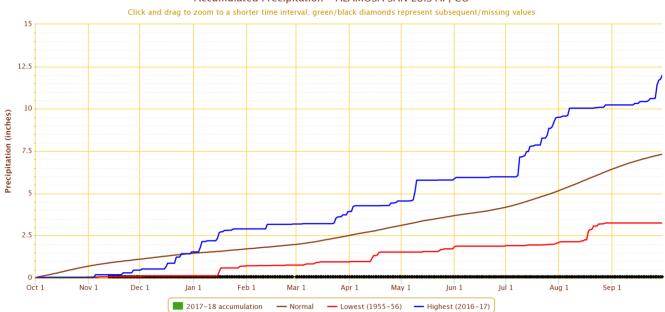


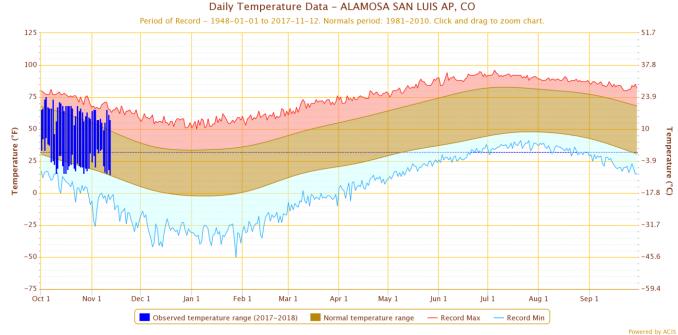


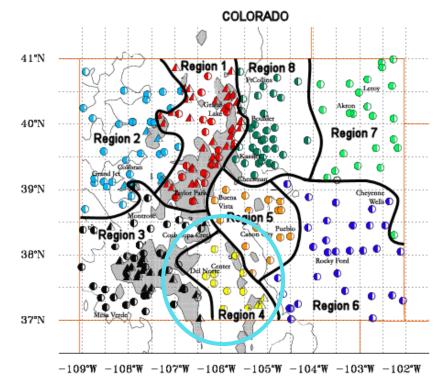


2017-18 accumulation

Accumulated Precipitation - ALAMOSA SAN LUIS AP, CO

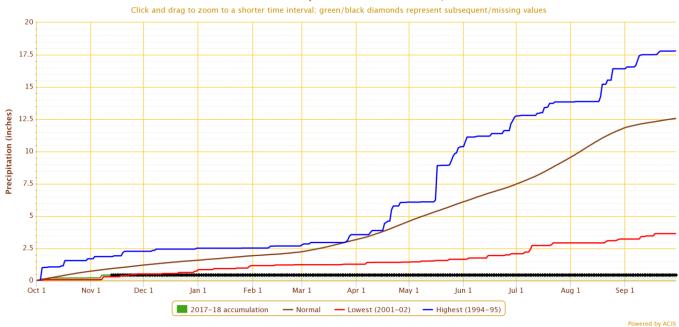




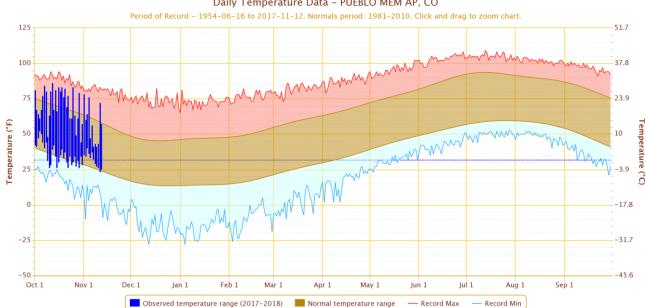


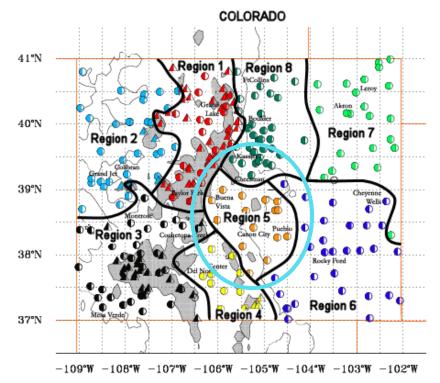


Accumulated Precipitation - PUEBLO MEM AP, CO



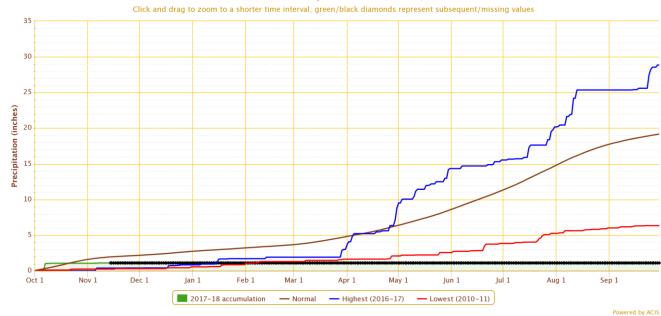
Daily Temperature Data - PUEBLO MEM AP, CO



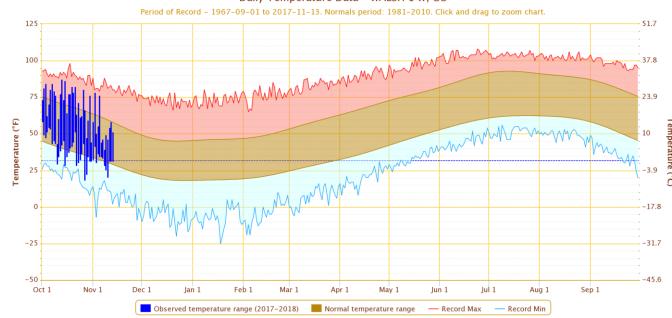


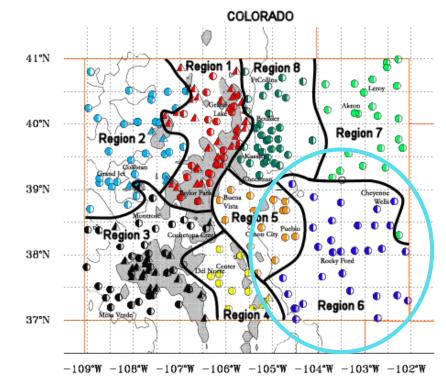


Accumulated Precipitation - WALSH 1 W, CO



Daily Temperature Data - WALSH 1 W, CO

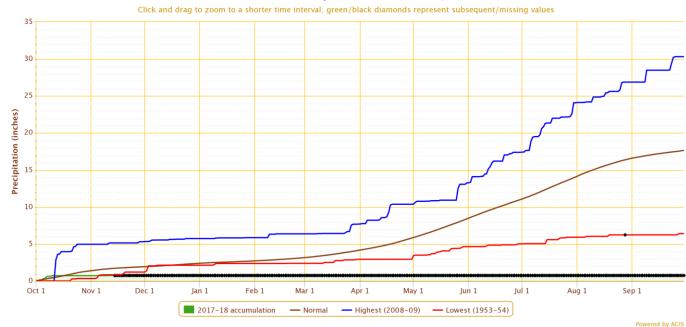




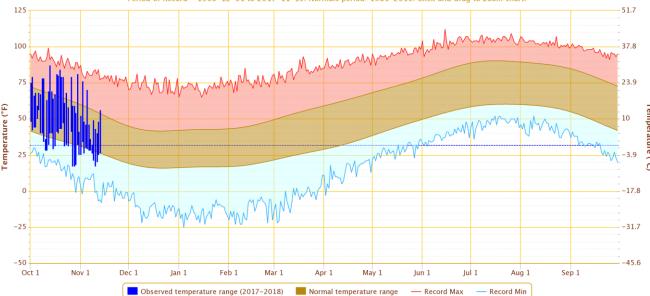


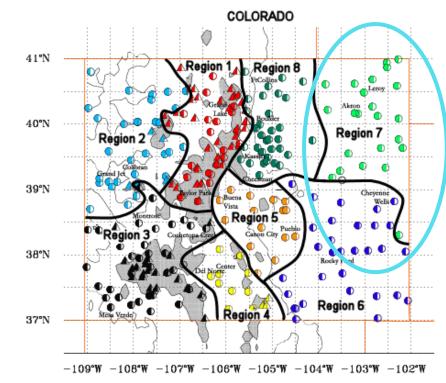


Accumulated Precipitation - BURLINGTON, CO



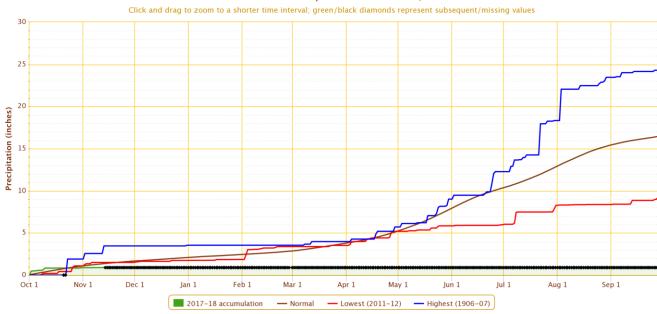
Daily Temperature Data - BURLINGTON, CO



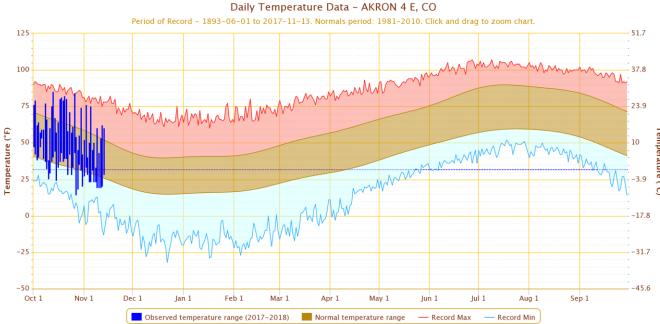


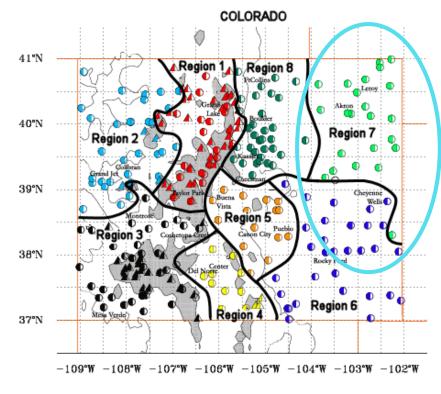


Accumulated Precipitation - AKRON 4 E, CO

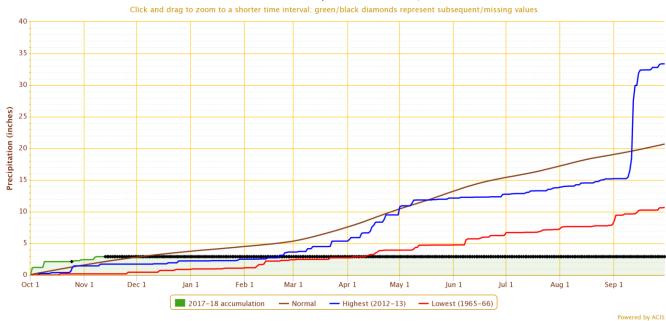


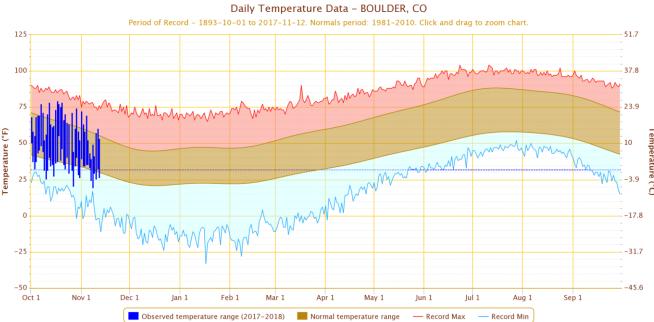
Powered by ACIS

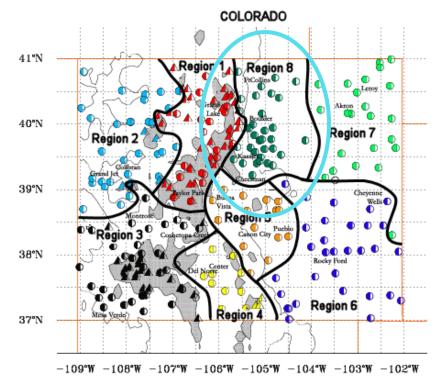




Accumulated Precipitation - BOULDER, CO

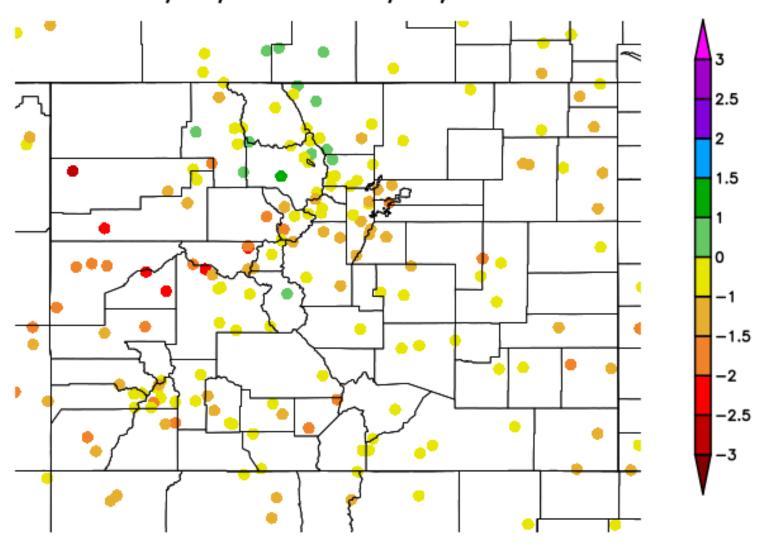




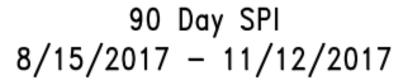


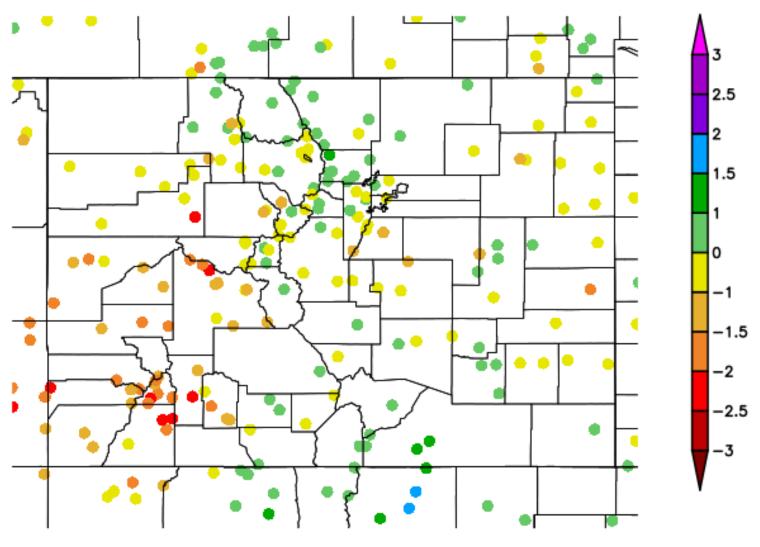


30 Day SPI 10/14/2017 - 11/12/2017



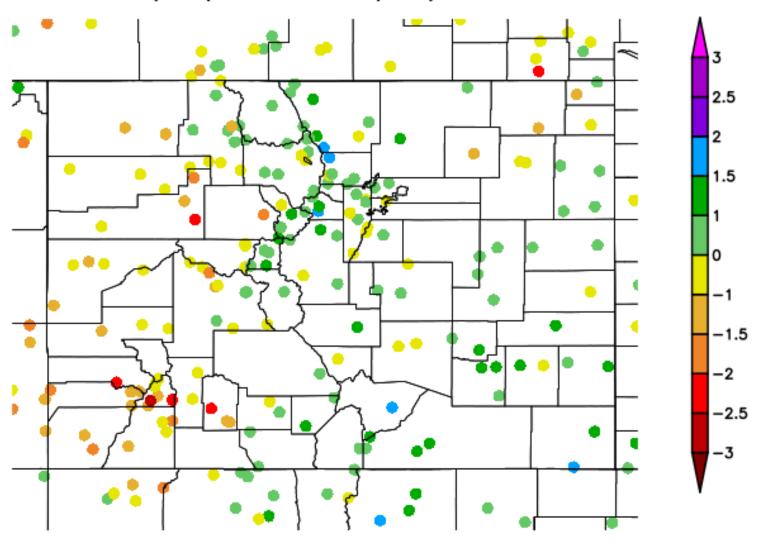






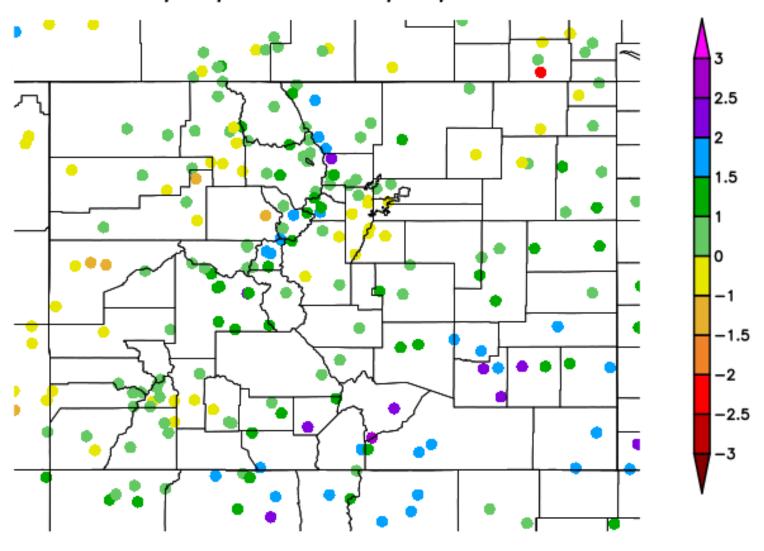


6 Month SPI 5/13/2017 - 11/12/2017





12 Month SPI 11/13/2016 - 11/12/2017





U.S. Drought Monitor Continental U.S. (CONUS)

November 7, 2017

(Released Thursday, Nov. 9, 2017) Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	67.19	32.81	11.96	2.90	0.75	0.00
Last Week 10-31-2017	66.47	33.53	11.95	2.67	0.88	0.00
3 Month's Ago 08-08-2017	70.23	29.77	11.24	5.38	2.37	0.76
Start of Calendar Year 01-03-2017	53.89	46.11	22.53	8.63	3.15	0.96
Start of Water Year 09-26-2017	63.07	36.93	13.81	4.99	2.36	0.87
One Year Ago 11-08-2016	51.09	48.91	27.36	11.38	4.96	1.91

Intensity:

D0 Abnormally Dry
D1 Moderate Drought
D2 Severe Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

David Miskus NOAA/NWS/NCEP/CPC





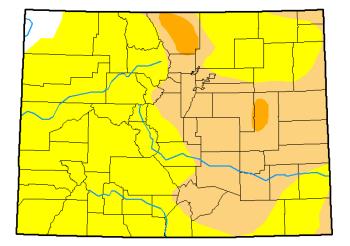




http://droughtmonitor.unl.edu/



U.S. Drought Monitor Colorado



November 15, 2016

(Released Thursday, Nov. 17, 2016) Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Сиптепт	1.60	98.40	35.21	2.15	0.00	0.00
Last Week 11-08-2016	1.60	98.40	30.84	0.00	0.00	0.00
3 Months Ago 08-16-2016	71.05	28.95	1.47	0.00	0.00	0.00
Start of Calendar Year 12-29-2015	90.02	9.98	0.00	0.00	0.00	0.00
Start of Water Year 09-27-2016	70.49	29.51	2.45	0.00	0.00	0.00
One Year Ago 11-17-2015	82.15	17.85	0.00	0.00	0.00	0.00

Intensity:

D0 Abnormally Dry D3 Extreme Drought
D1 Moderate Drought D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions.
Local conditions may vary. See accompanying text summary for forecast statements.

Author: Richard Heim NCEI/NOAA

D2 Severe Drought

USDA





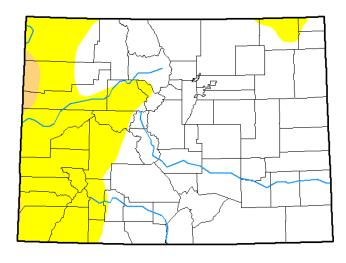


http://droughtmonitor.unl.edu/

One Year Ago

One Week Ago

U.S. Drought Monitor
Colorado



November 7, 2017

(Released Thursday, Nov. 9, 2017) Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	71.26	28.74	1.22	0.00	0.00	0.00
Last Week 10-31-2017	71.37	28.63	1.22	0.00	0.00	0.00
3 Month's Ago 08-08-2017	82.69	17.31	0.00	0.00	0.00	0.00
Start of Calendar Year 01-03-2017	31.88	68.12	37.21	2.88	0.00	0.00
Start of Water Year 09-26-2017	67.63	32.37	3.72	0.00	0.00	0.00
One Year Ago 11-08-2016	1.60	98.40	30.84	0.00	0.00	0.00

Intensity:

D0 Abnormally Dry D3 Extreme Drought
D1 Moderate Drought D4 Exceptional Drought
D2 Severe Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

David Miskus NOAA/NWS/NCEP/CPC









http://droughtmonitor.unl.edu/



Becky.Bolinger@colostate.edu

To view this and other presentations: http://climate.colostate.edu/ccc_archive.html

Thank you

