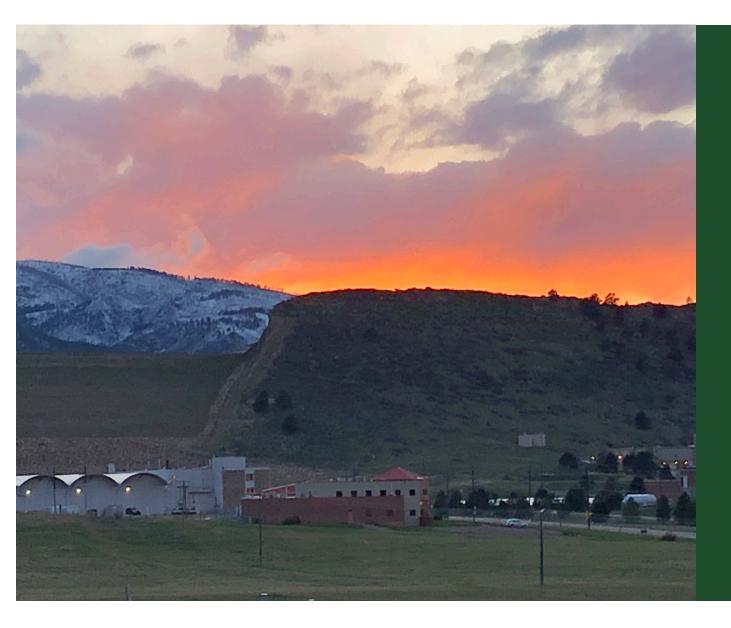
Colorado Climate Center – *WATF Climate Update*

Becky Bolinger

Water Availability Task Force May 14, 2019





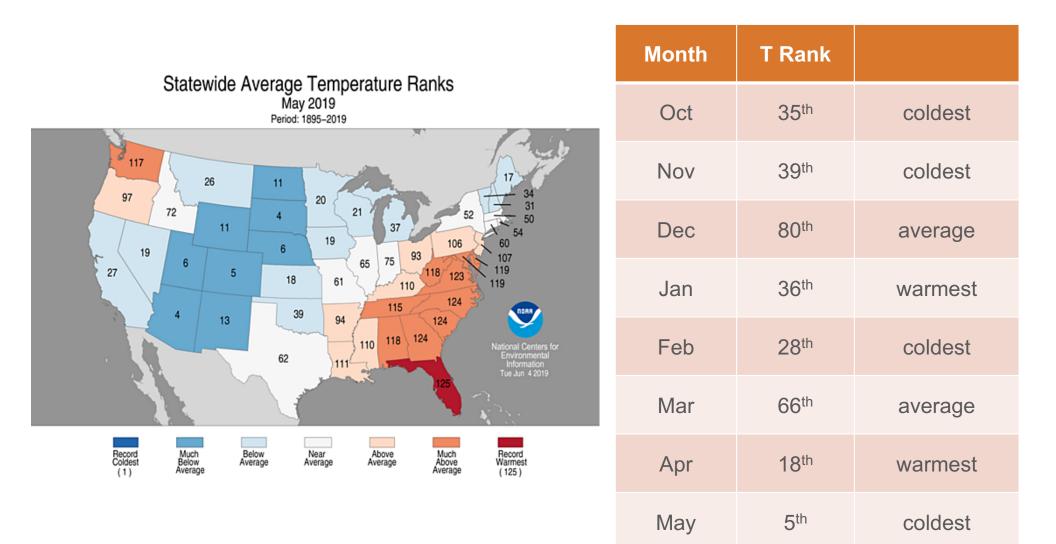


2019 Water Year To Date

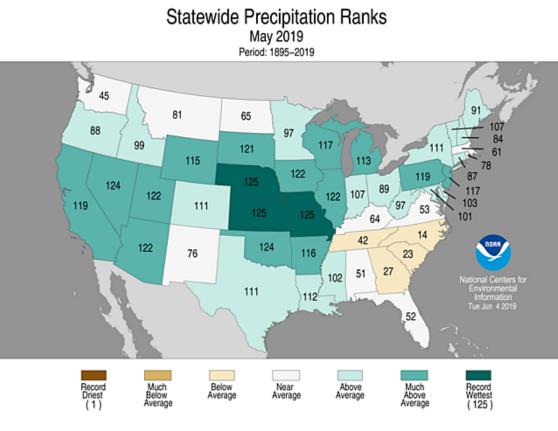
temperature, precipitation, evaporative demand



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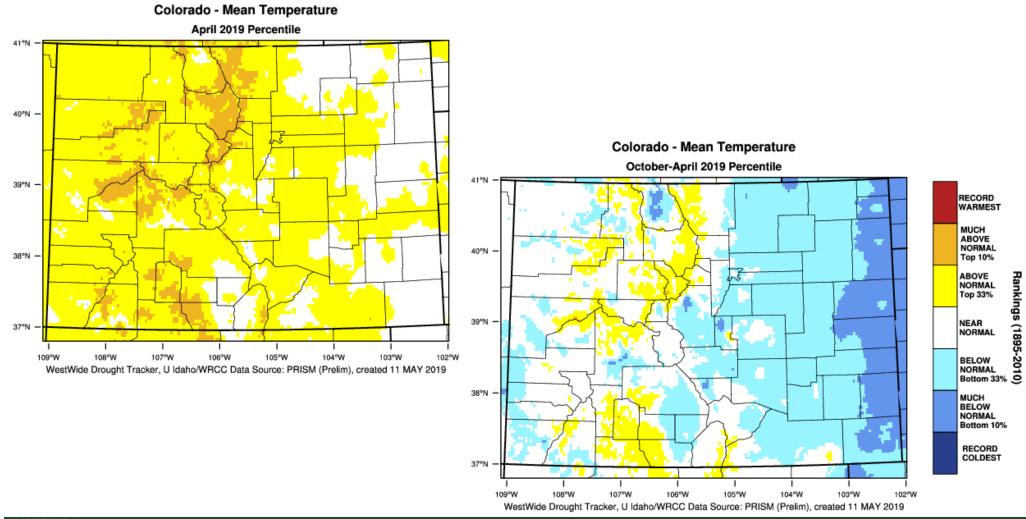




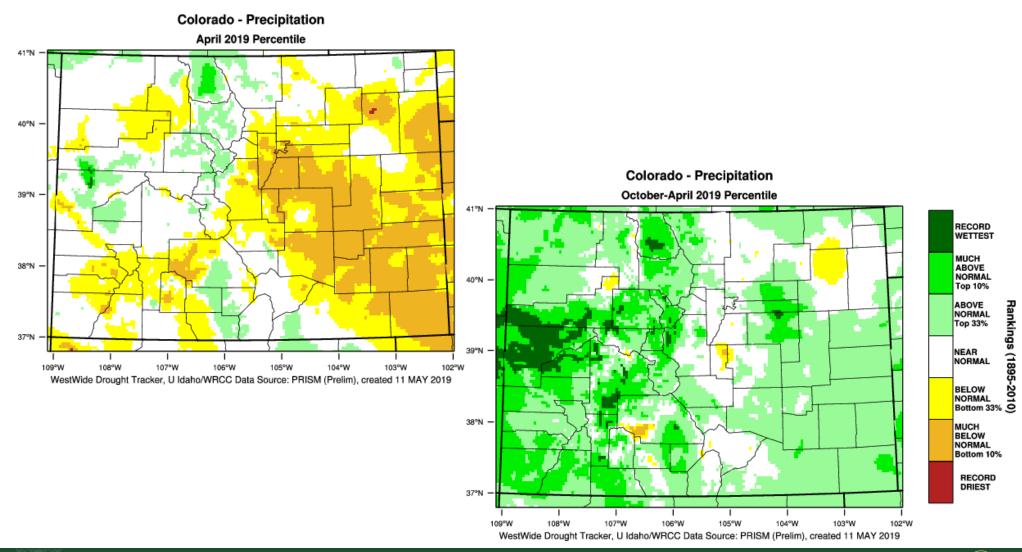
11th wettest January – April

Month	P Rank	
Oct	12 th	wettest
Nov	45 th	average
Dec	31 st	driest
Jan	32 nd	wettest
Feb	17 th	wettest
Mar	6 th	wettest
Apr	42 nd	driest





RIP



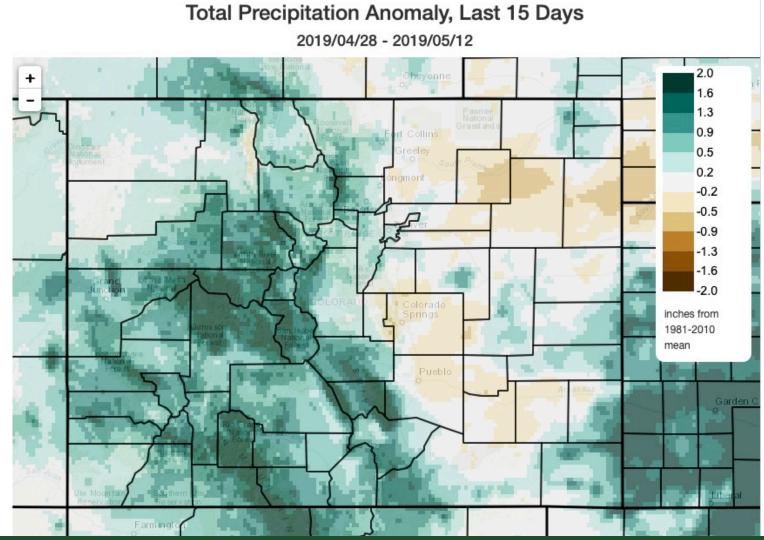
F.F.

2019/04/28 - 2019/05/12 Cheyenne 8 + 6 4 3 ngmont -1 P -3 -4 -6 Grand Junction -8 Colorado °F from 1981-Springs 2010 mean Garden 1 Farmingto AL

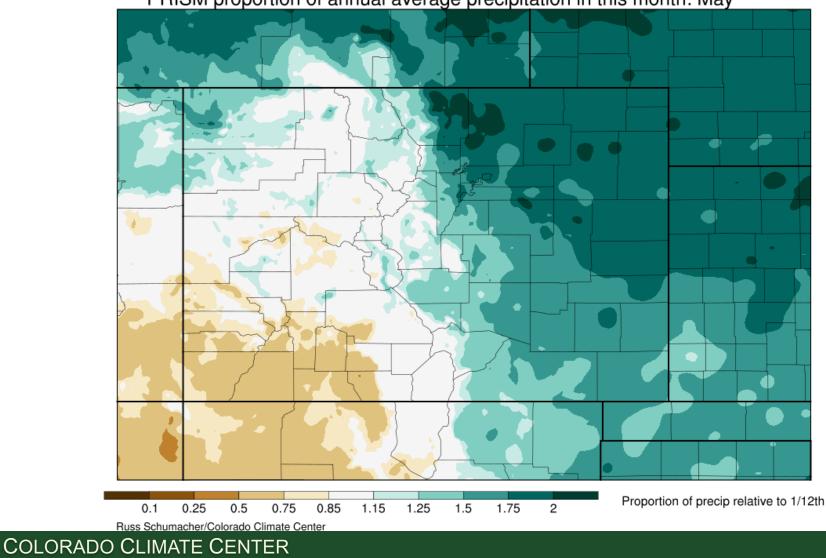
Mean Daily Temperature Anomaly, Last 15 Days

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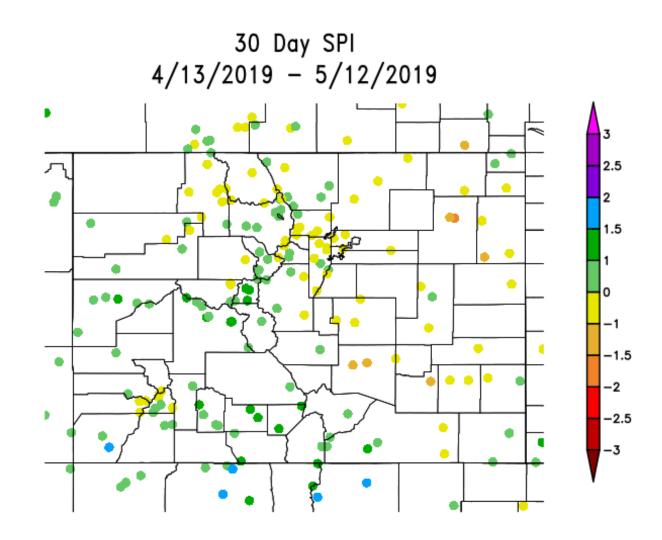






PRISM proportion of annual average precipitation in this month: May

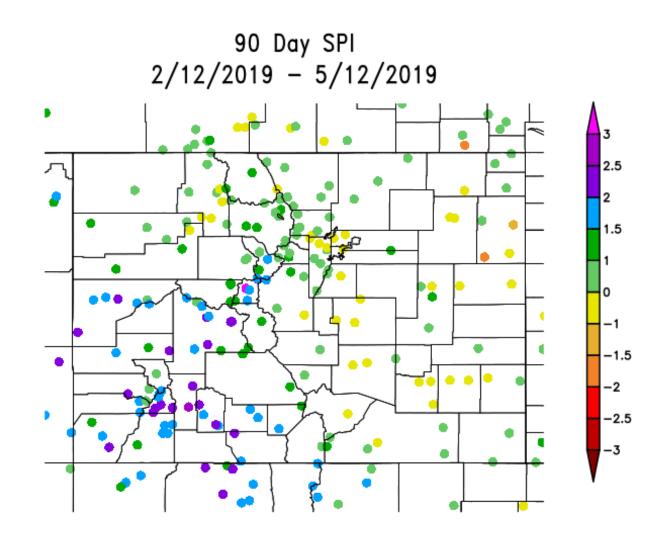




Generated 5/13/2019 at HPRCC using provisional data.





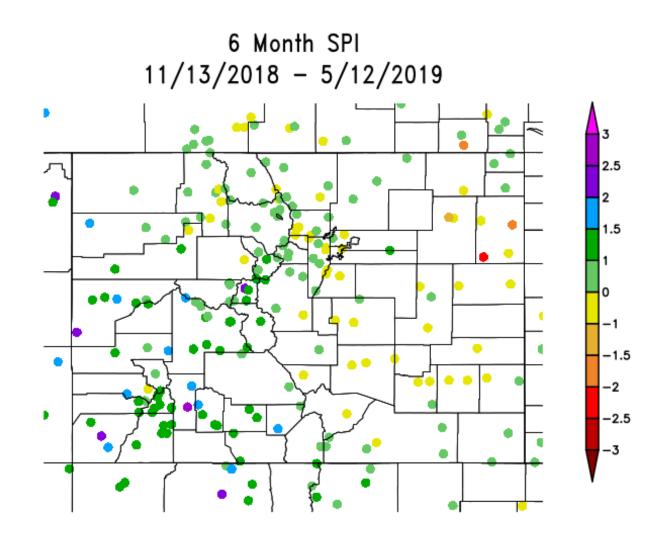


Generated 5/13/2019 at HPRCC using provisional data.

NOAA Regional Climate Centers



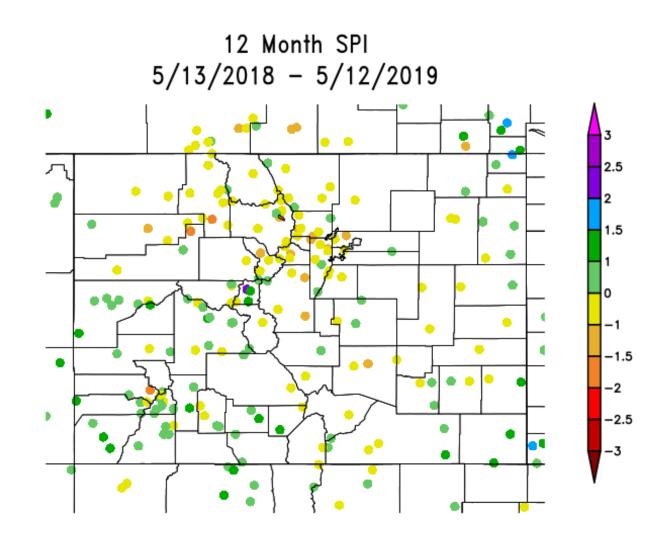




Generated 5/13/2019 at HPRCC using provisional data.

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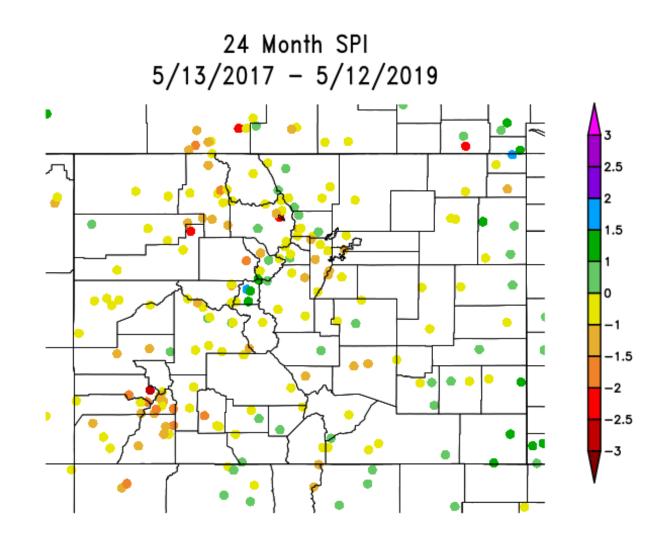




Generated 5/13/2019 at HPRCC using provisional data.



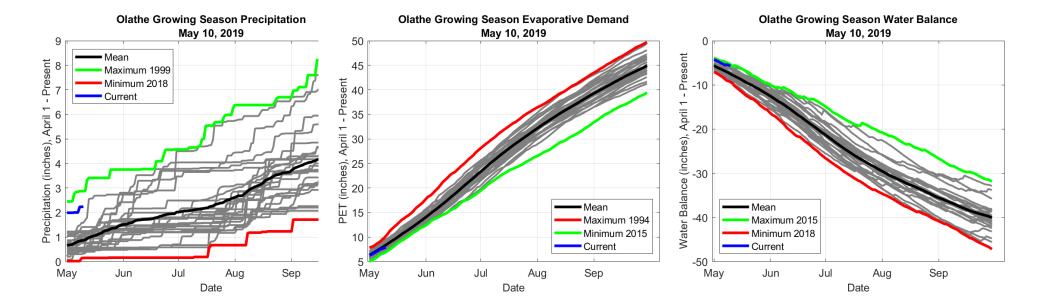


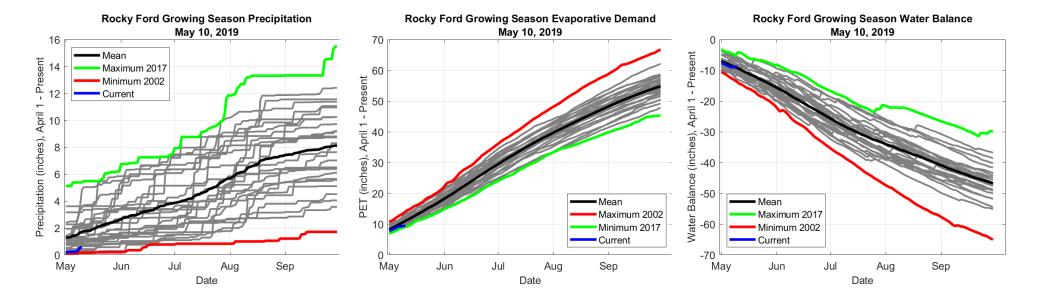


Generated 5/13/2019 at HPRCC using provisional data.

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Drought

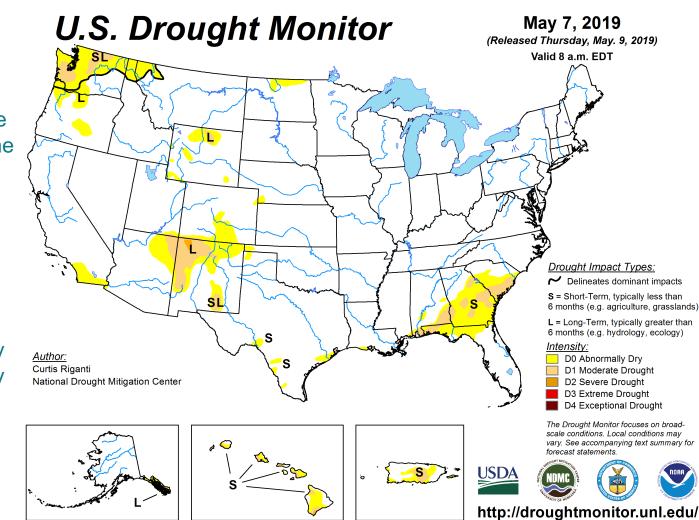
National Drought Colorado Drought Colorado Drought Facts



Top 5 lowest percent coverage of drought across the CONUS have occurred over the last 5 weeks.

Record lowest drought coverage over CONUS was 2.28% on April 23, 2019.

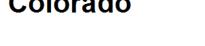
May 7, 2019: 9.83% in D0 or worse category 2.53% in D1 or worse category 0.05% in D2 category

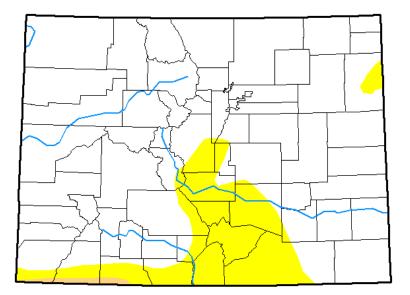






U.S. Drought Monitor Colorado





May 7, 2019 (Released Thursday, May. 9, 2019) Valid 8 a.m. EDT

Drought Conditions (Percent Area)

					· ·	
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	84.23	15.77	0.59	0.00	0.00	0.00
Last Week 04-30-2019	84.72	15.28	0.59	0.00	0.00	0.00
3 Month s Ago 02-05-2019	8. 14	91.86	67.16	40.83	22.05	2.96
Start of Calendar Year 01-01-2019	17.94	82.06	66.26	54.91	27.11	11.22
Start of Water Year 09-25-2018	14.19	85.81	72.30	64.41	48.47	16.21
One Year Ago 05-08-2018	18.02	81.98	67.98	51.57	30.89	7.40

Intensity:

D0 Abnormally Dry 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

D3 Extreme Drought

for forecast statements.

Author:

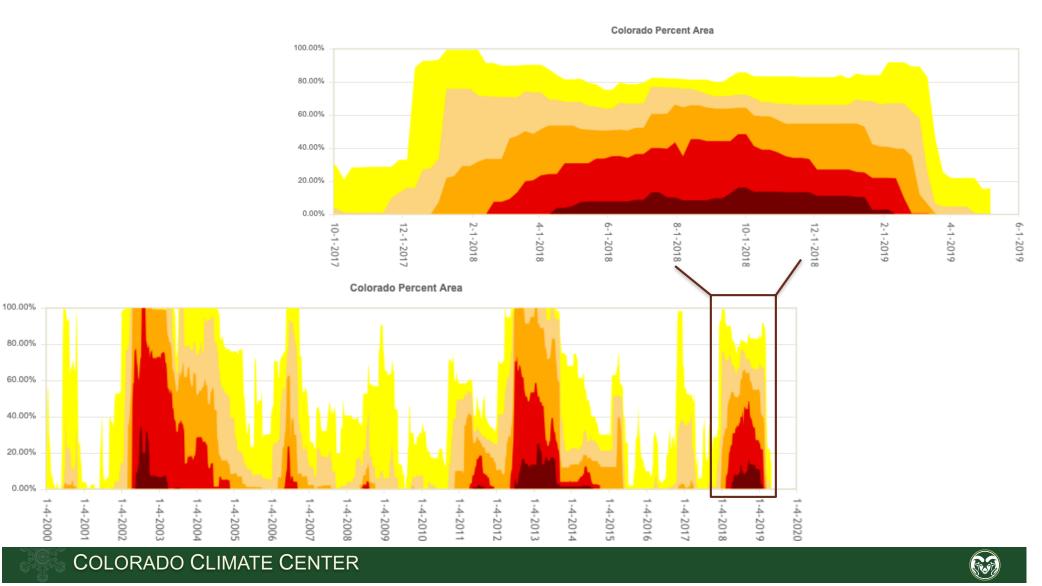
Curtis Riganti National Drought Mitigation Center



http://droughtmonitor.unl.edu/

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Colorado Drought Monitor Facts

- Since the beginning of the US Drought Monitor, our state has never been completely free of D0 – D4.
- Our record smallest amount of D0 occurred in May 2001, when only 0.13% of our state showed D0.
- Our longest period of drought-free conditions since the US Drought Monitor started was from 6/9/2015 – 3/6/2016.
- The last time we were drought free (no D1 D4) was August 29, 2017.



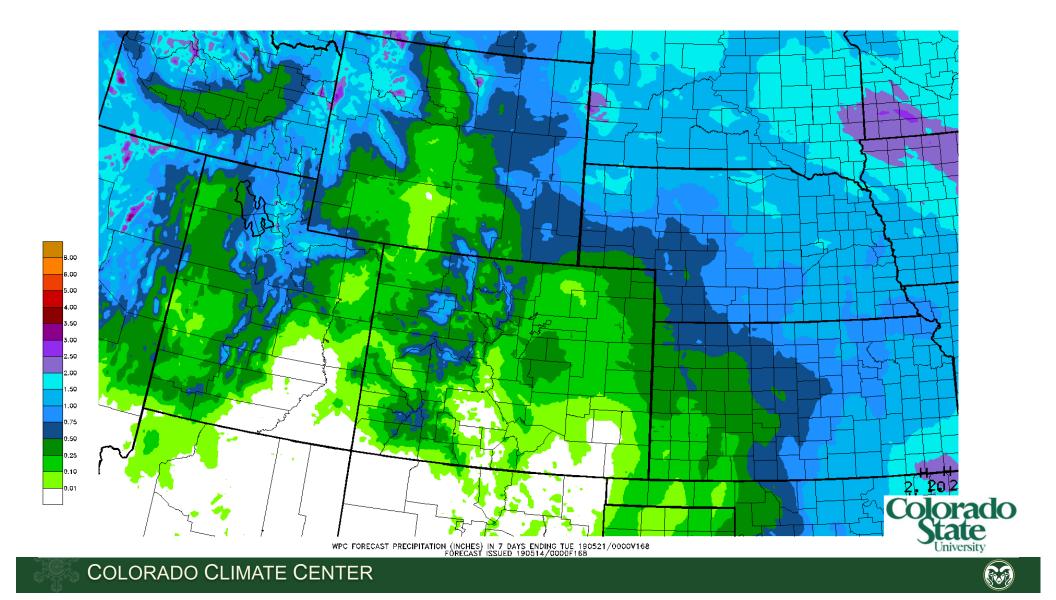


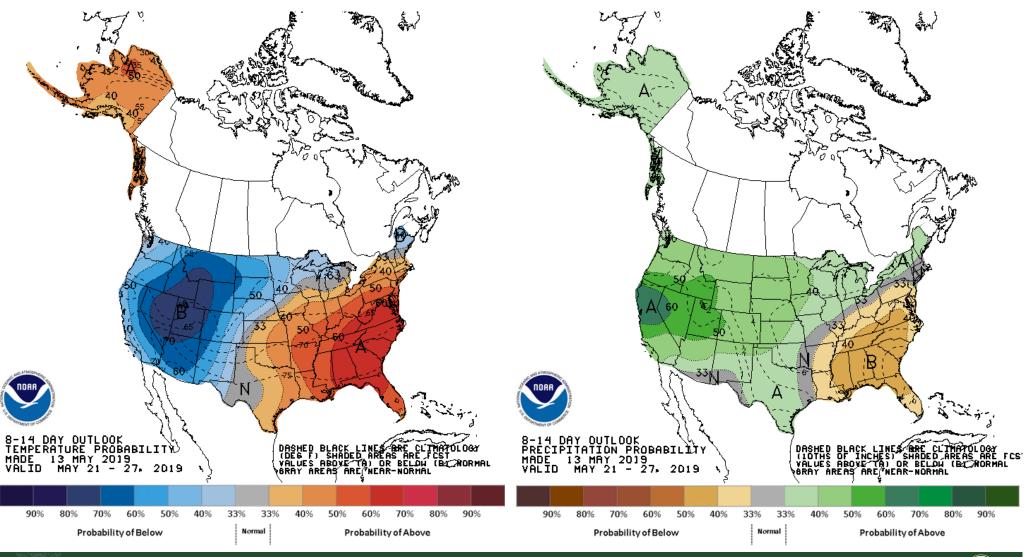
Outlook

Next 7 days 8-14 day Outlook CPC Outlooks Precipitation Projections What does El Niño mean?

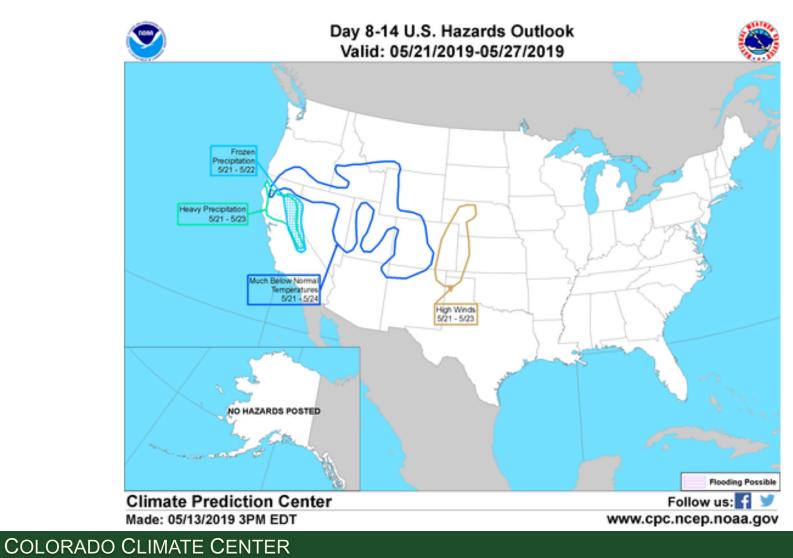


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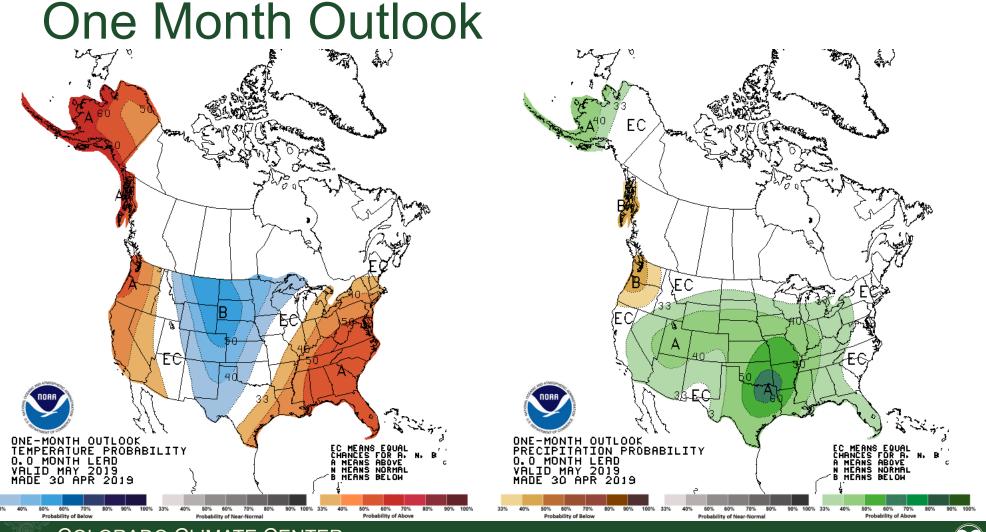




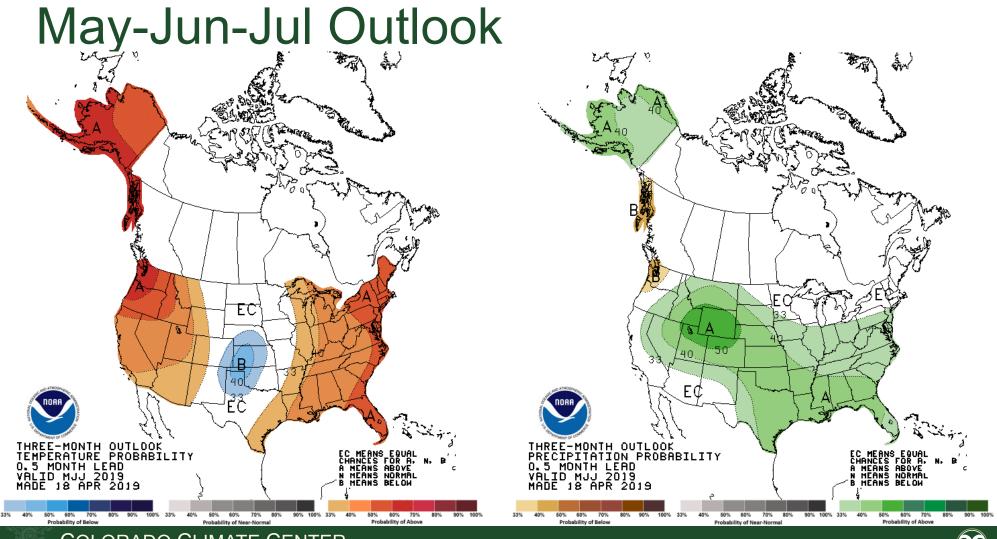
Sur





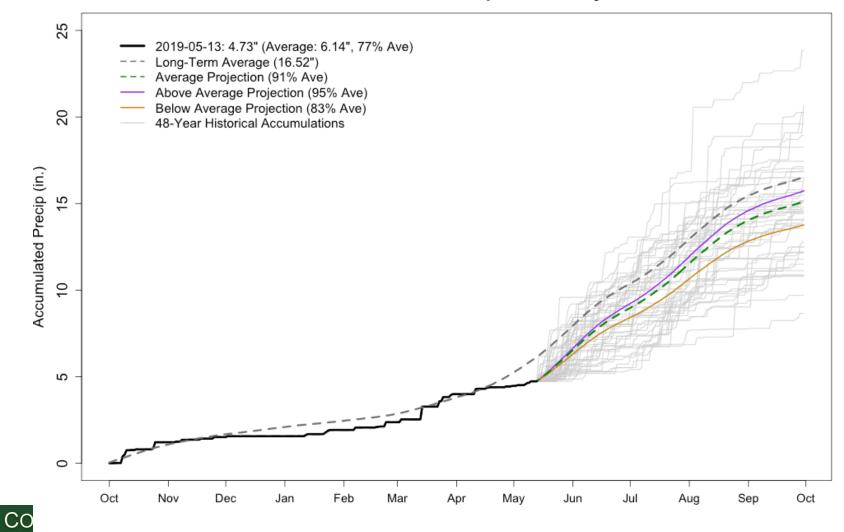


Rif



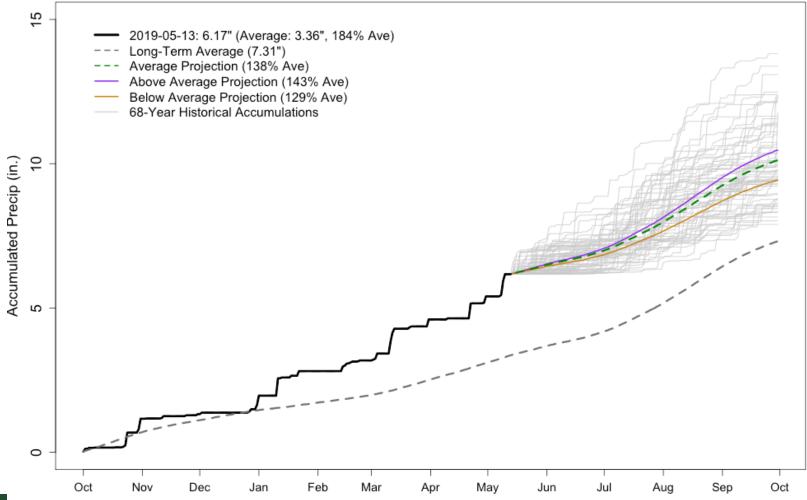
Fire

AKRON 4 E WY2019 Precipitation Projections



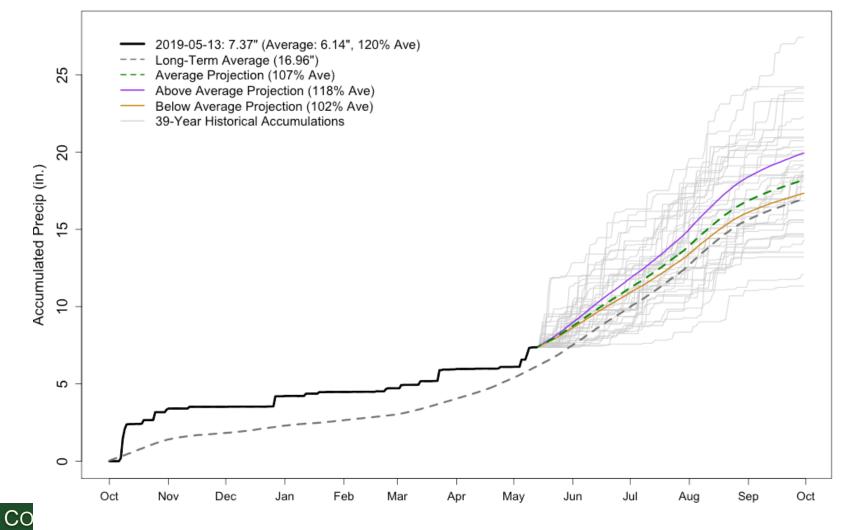
663

ALAMOSA SAN LUIS VALLEY REGIONAL AP WY2019 Precipitation Projections



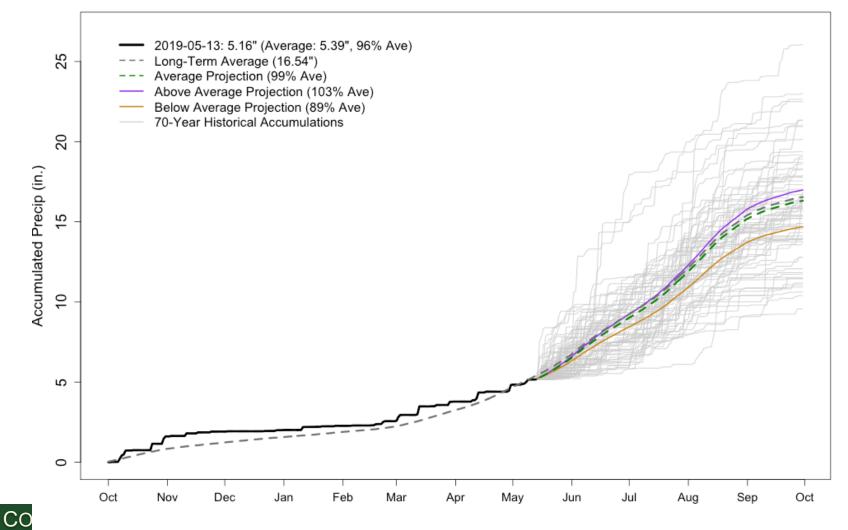






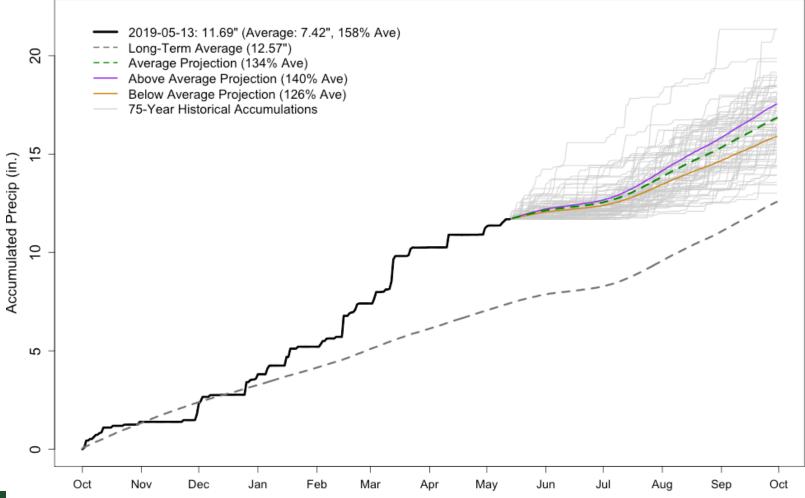
R.73

COLORADO SPRINGS MUNICIPAL AP WY2019 Precipitation Projections



Fif

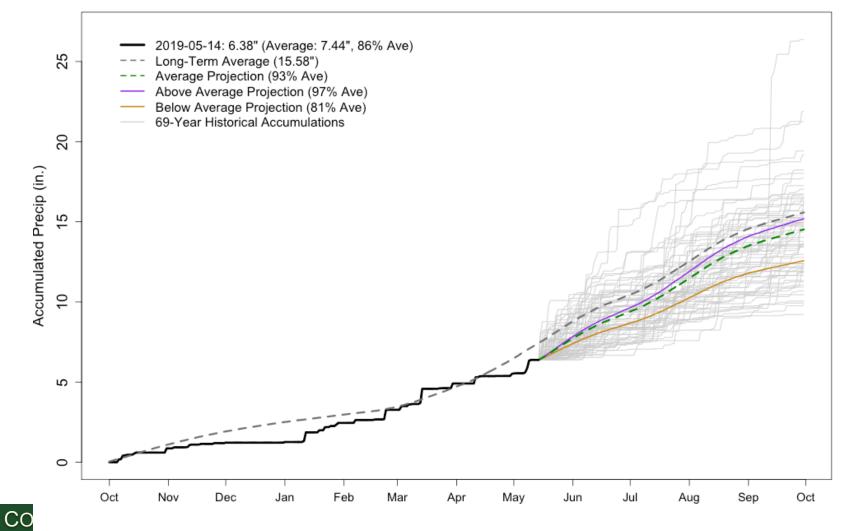
CORTEZ WY2019 Precipitation Projections



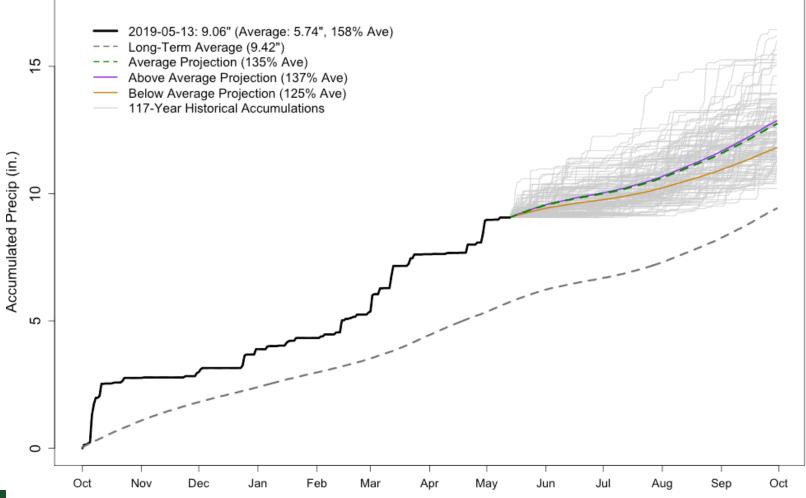
CO

FLFF

DENVER-STAPELTON WY2019 Precipitation Projections

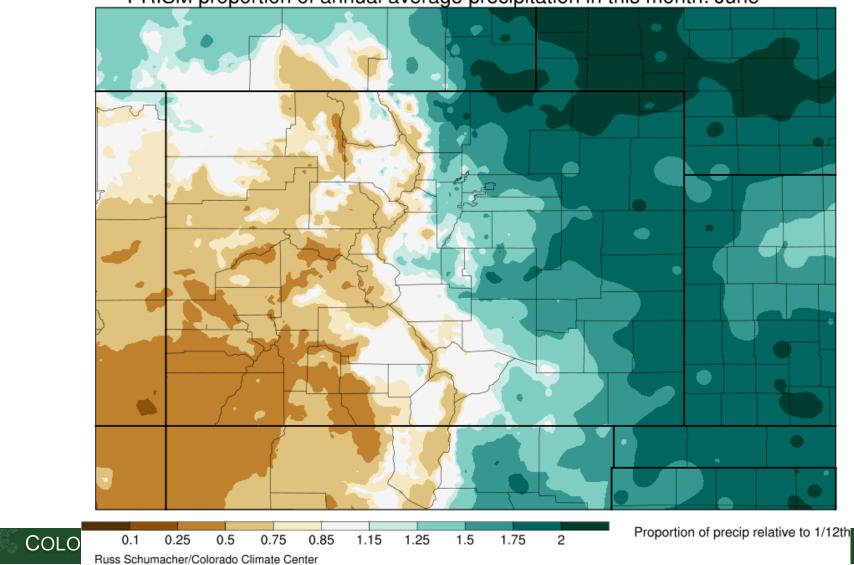


GRAND JUNCTION WALKER FIELD WY2019 Precipitation Projections



CO

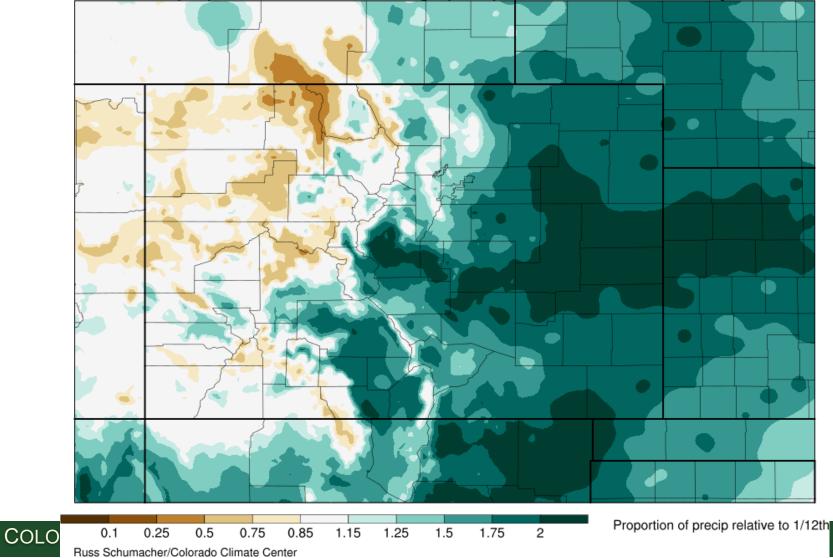
RAD



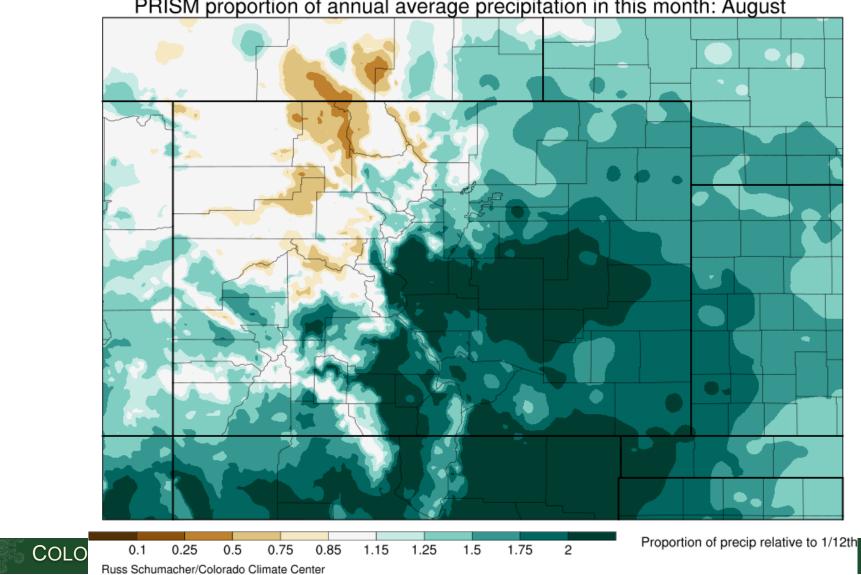
PRISM proportion of annual average precipitation in this month: June

FUE



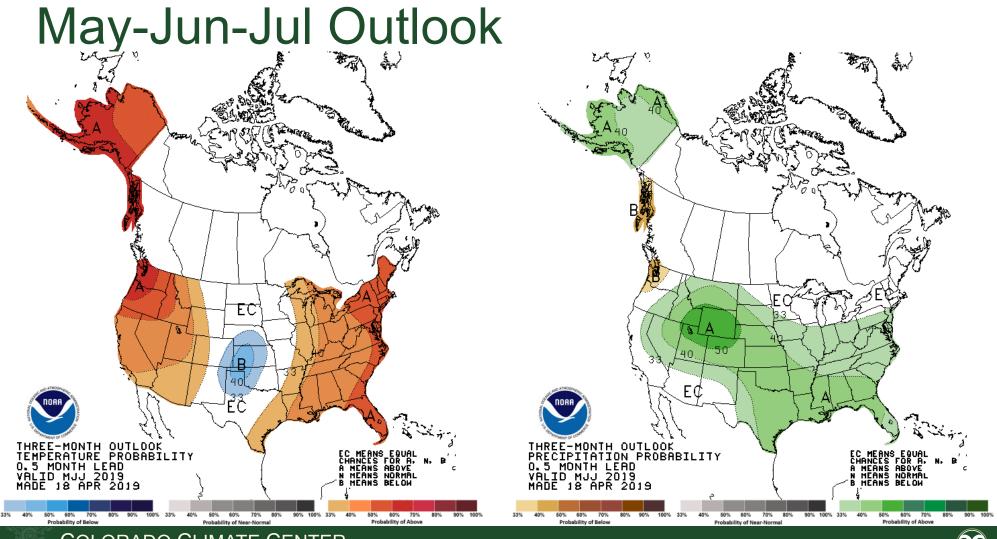






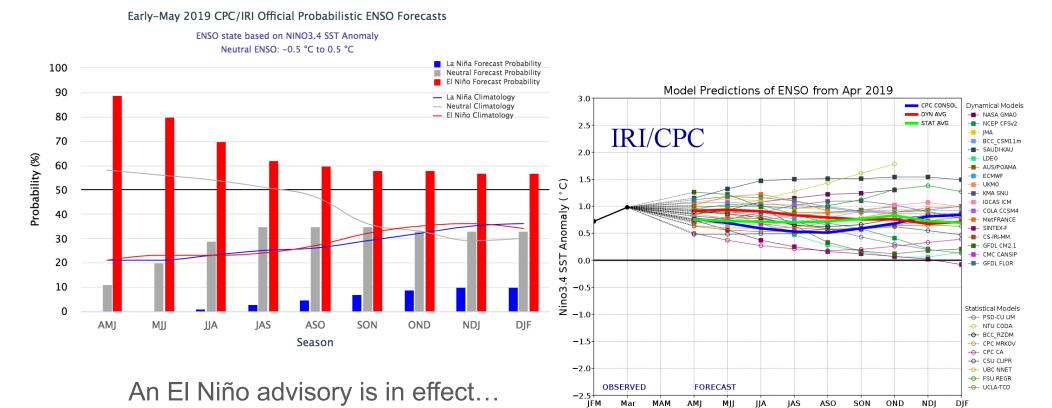
PRISM proportion of annual average precipitation in this month: August





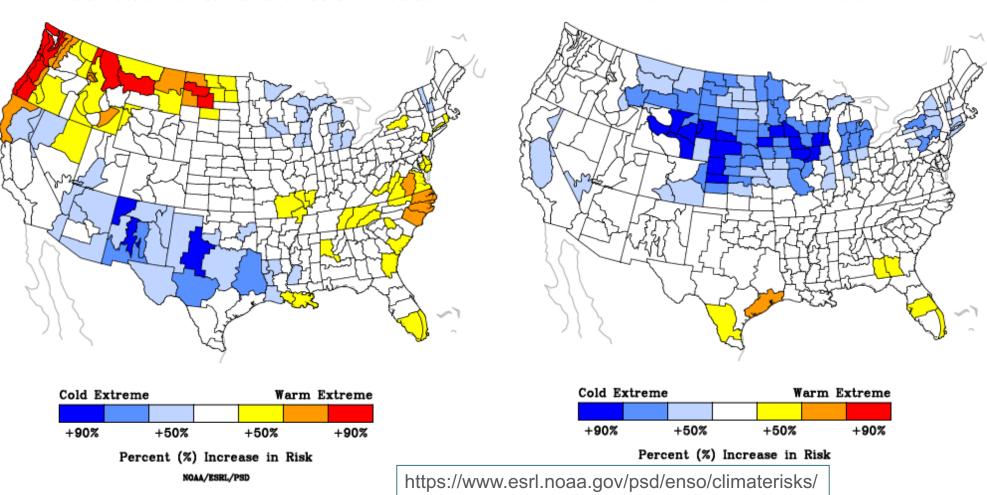
Fire

What's the El Niño forecast?



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(From

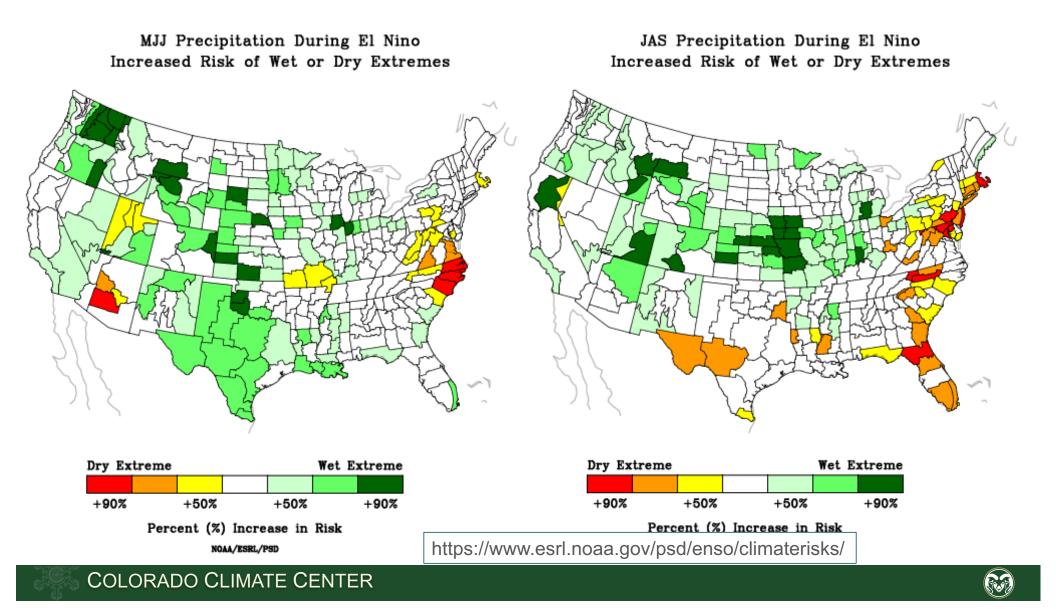


MJJ Temperature During El Nino Increased Risk of Warm or Cold Extremes

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(Ref)

JAS Temperature During El Nino Increased Risk of Warm or Cold Extremes



Becky.Bolinger@colostate.edu

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

Thank you





ATMOSPHERIC SCIENCE