South Dakota Drought Update
25 February 2013

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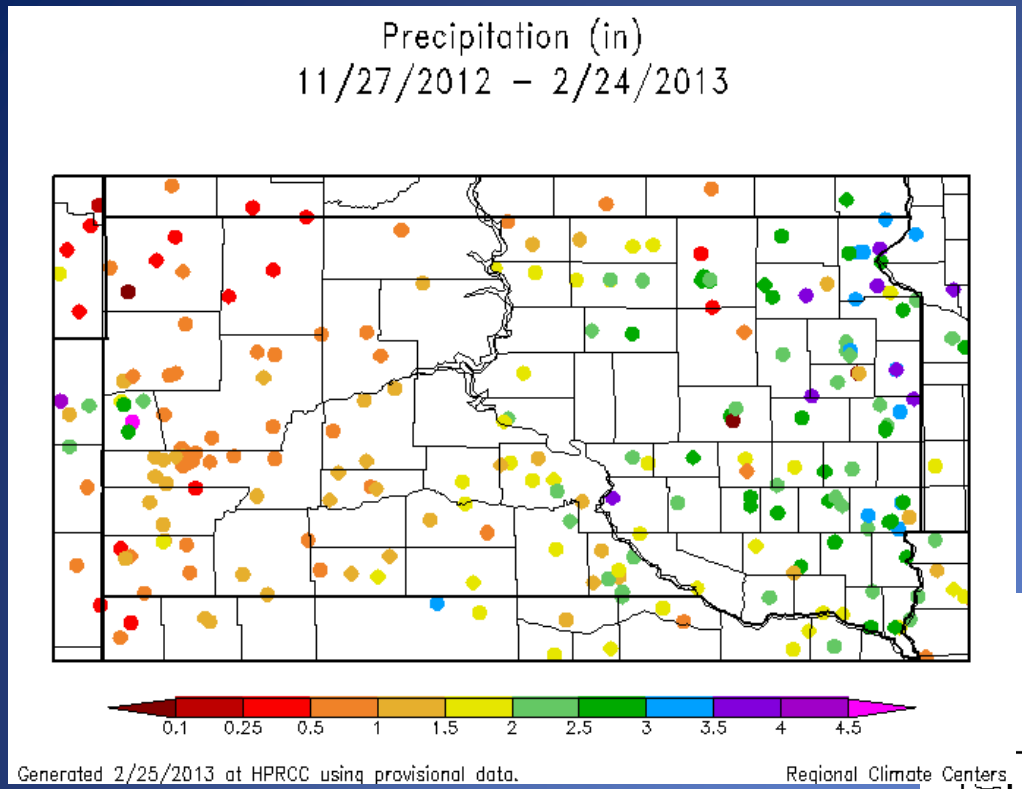
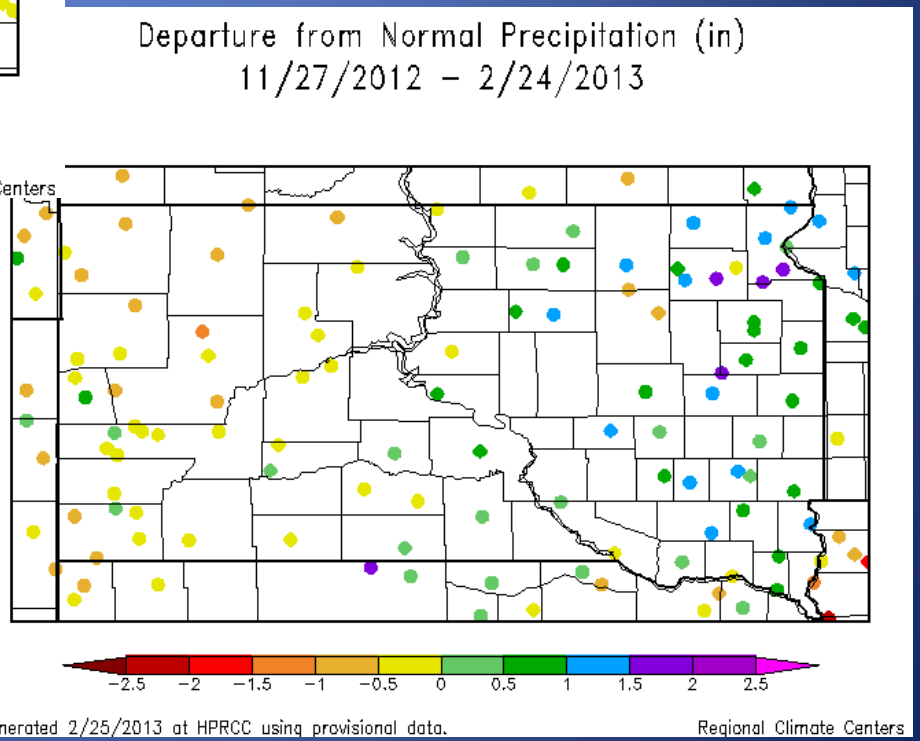
South Dakota State Climatologist

SDSU Extension/AES/ABE

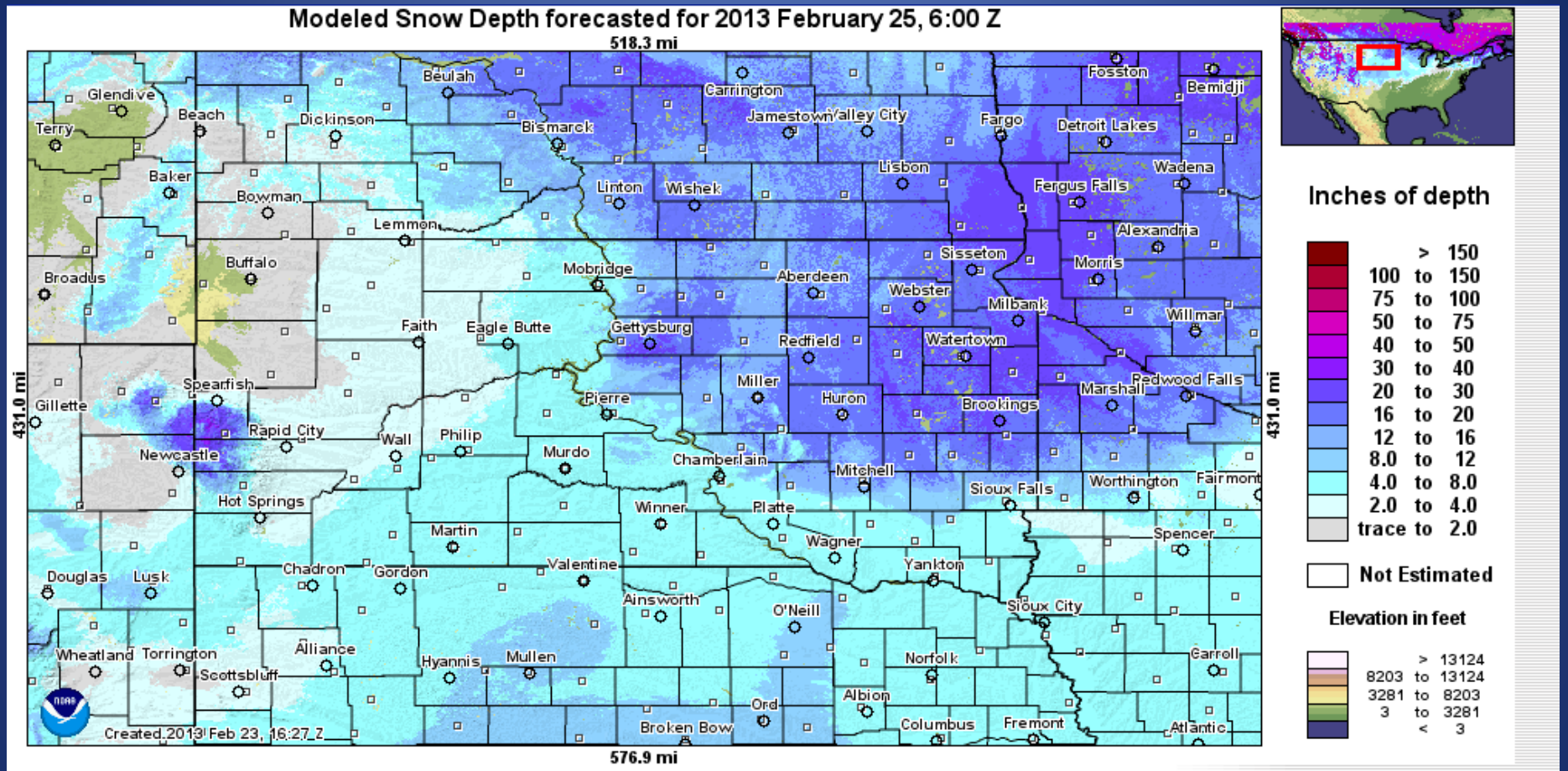




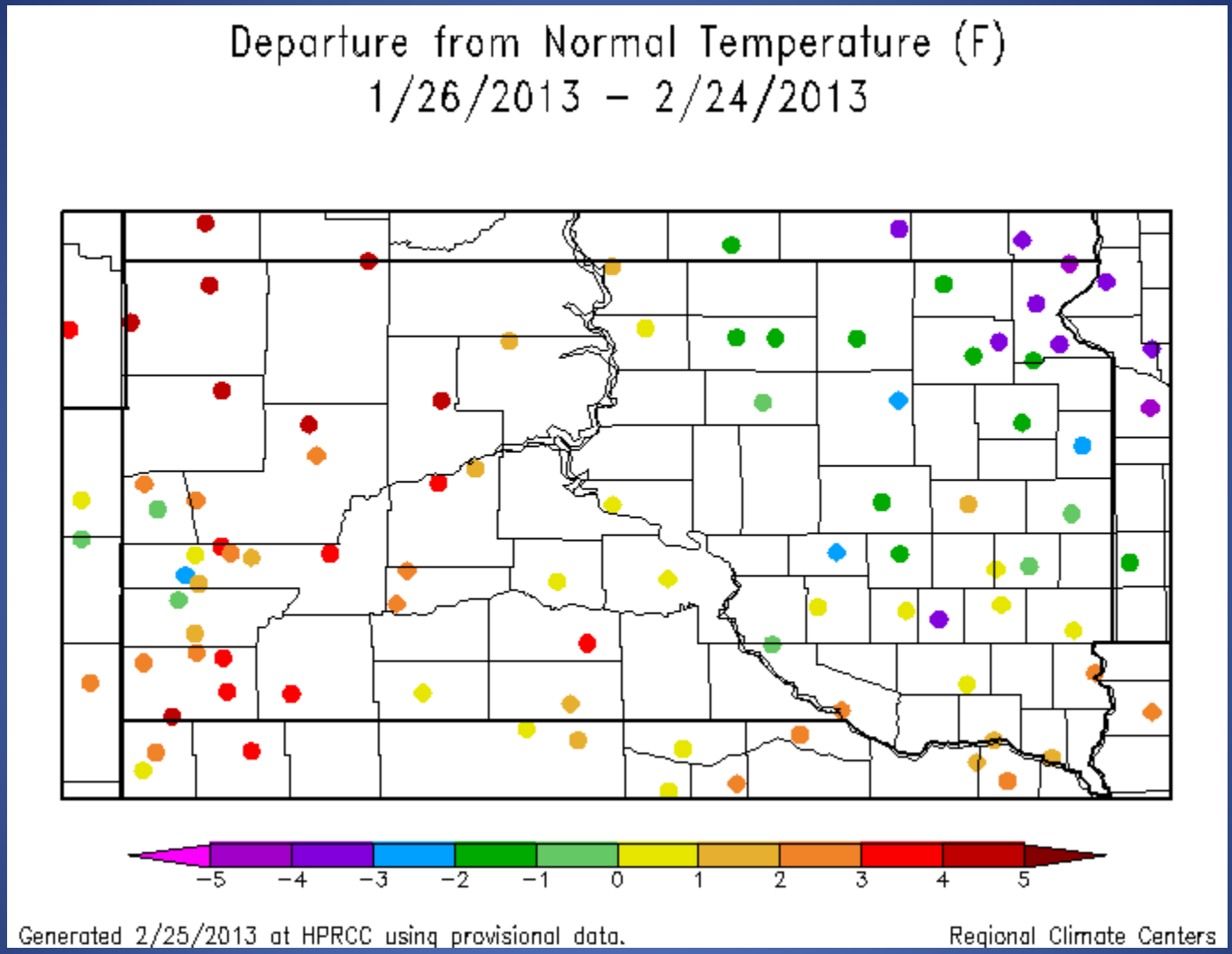
Heavier snows in the east – particularly northeast. Very dry in the northwest.

Climate and Weather

http://www.hprcc.unl.edu/maps/current/



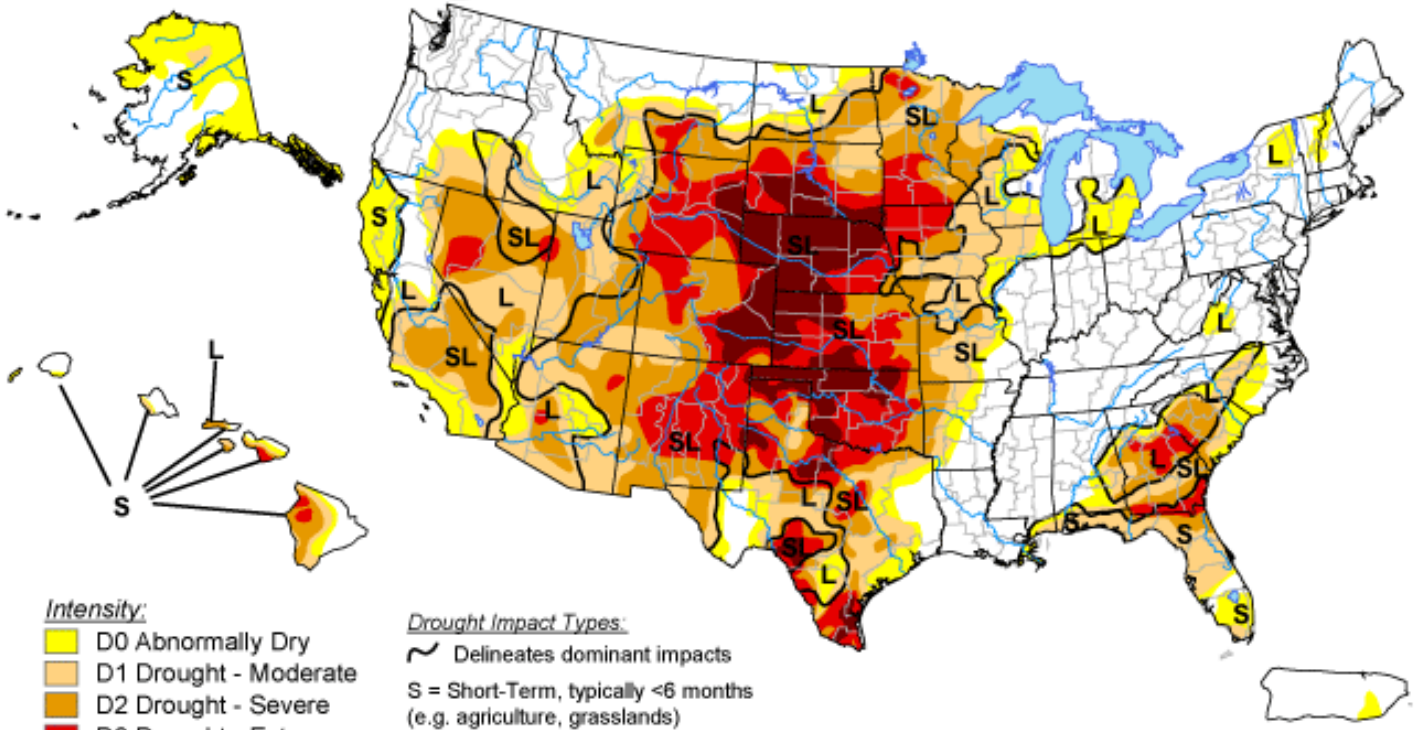
Climate and Weather



Snow greatly influenced temperatures

U.S. Drought Monitor

February 19, 2013
Valid 7 a.m. EST



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

Drought Impact Types:
~ Delineates dominant impacts

S = Short-Term, typically <6 months (e.g. agriculture, grasslands)

L = Long-Term, typically >6 months (e.g. hydrology, ecology)

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

http://droughtmonitor.unl.edu/

USDA National Drought Mitigation Center

Released Thursday, February 21, 2013
Author: Brian Fuchs, National Drought Mitigation Center

Climate and Weather

U.S. Drought Monitor

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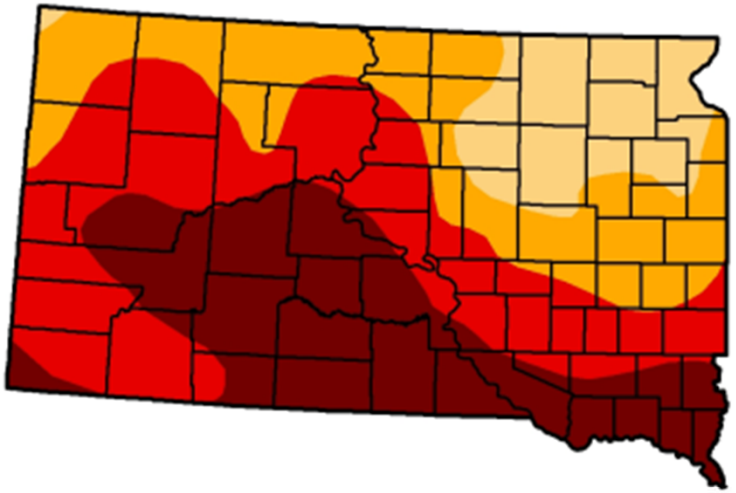
South Dakota

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	100.00	86.77	63.23	29.58
Last Week (02/12/2013 map)	0.00	100.00	100.00	86.77	63.21	29.58
3 Months Ago (11/20/2012 map)	0.00	100.00	100.00	93.09	54.85	32.57
Start of Calendar Year (01/01/2013 map)	0.00	100.00	100.00	96.95	63.17	30.68
Start of Water Year (09/25/2012 map)	0.00	100.00	100.00	74.69	50.53	6.72
One Year Ago (02/14/2012 map)	21.32	78.68	25.15	5.40	0.00	0.00



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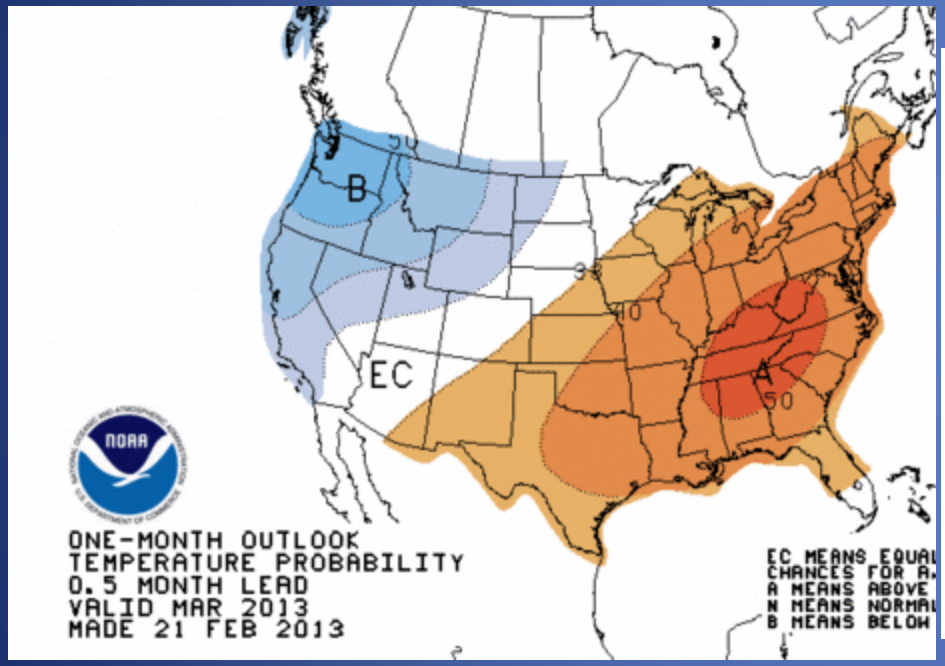
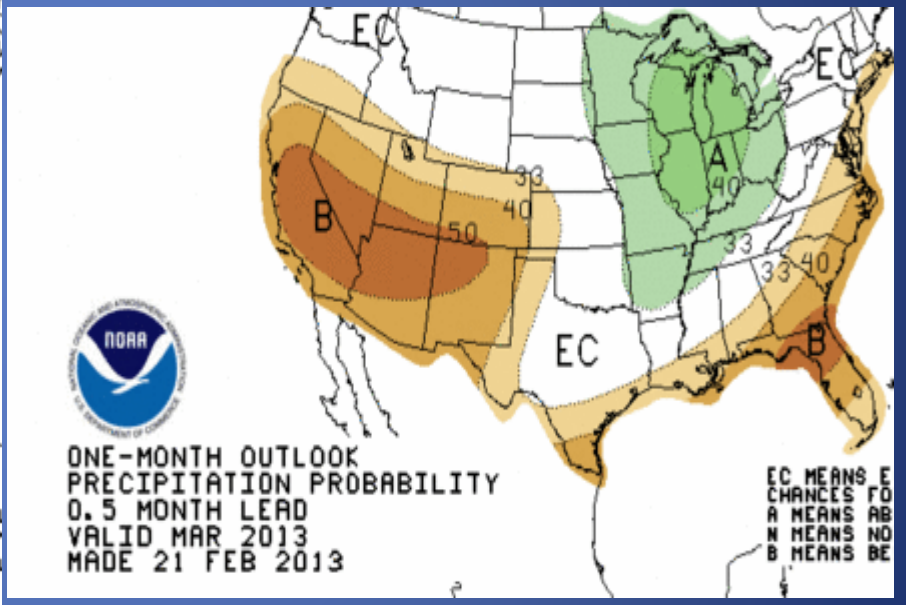
South Dakota Climate and Weather

February Temperature and Precipitation Probabilities



Temperature

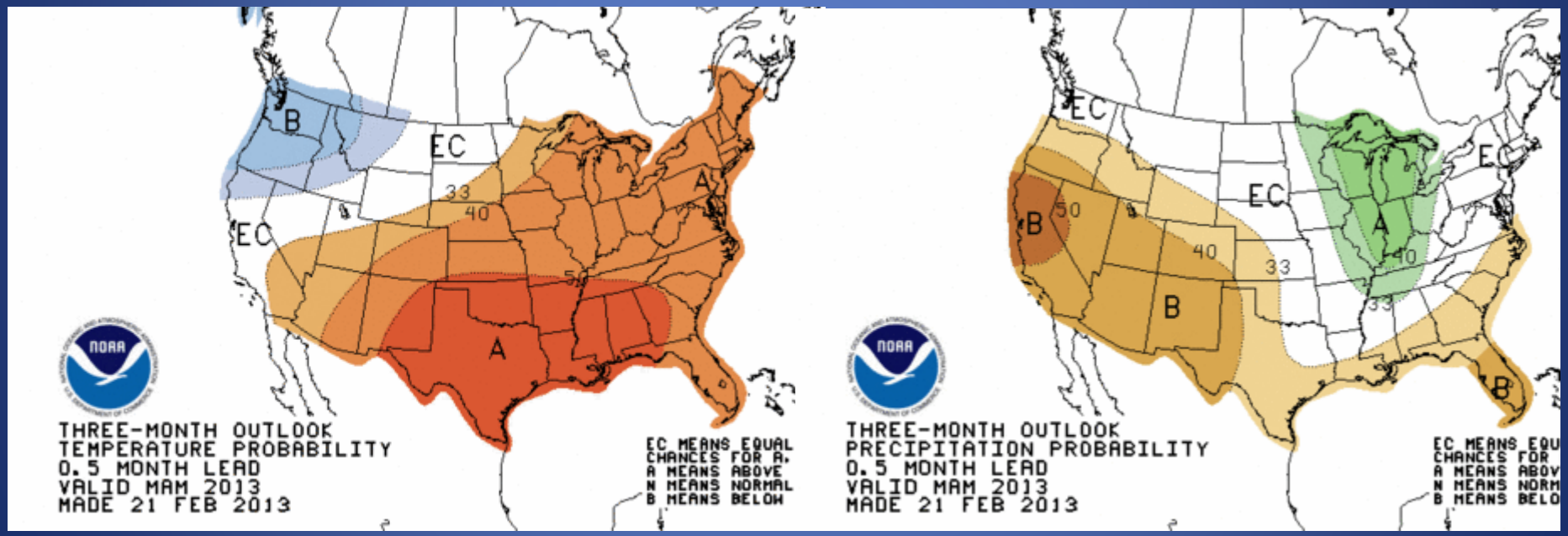


Precipitation

http://www.cpc.ncep.noaa.gov/products/predictions/30day/

3 Month Temperature and Precipitation Probabilities

(February - April)

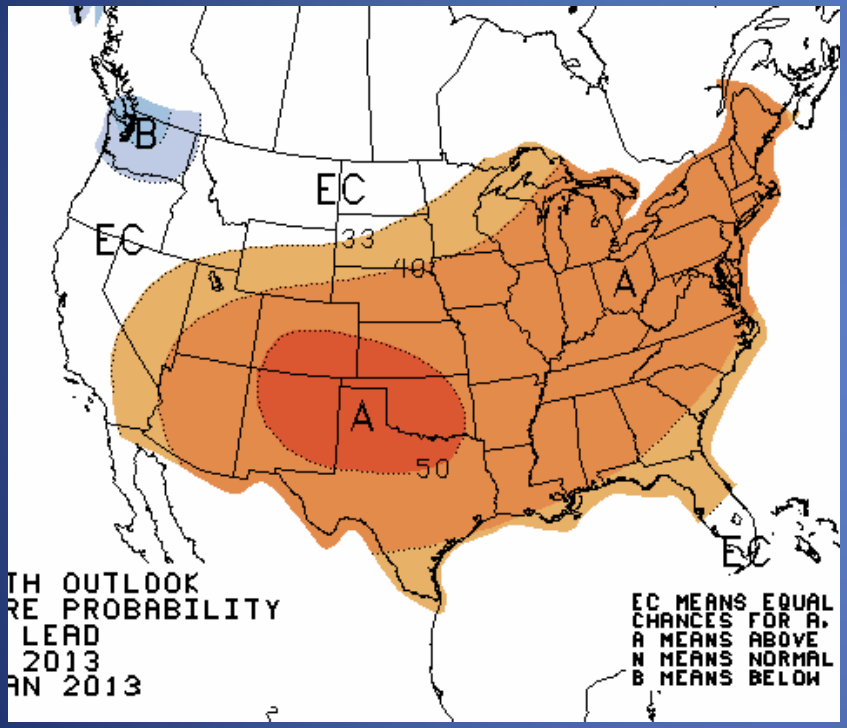


Temperature **Precipitation**

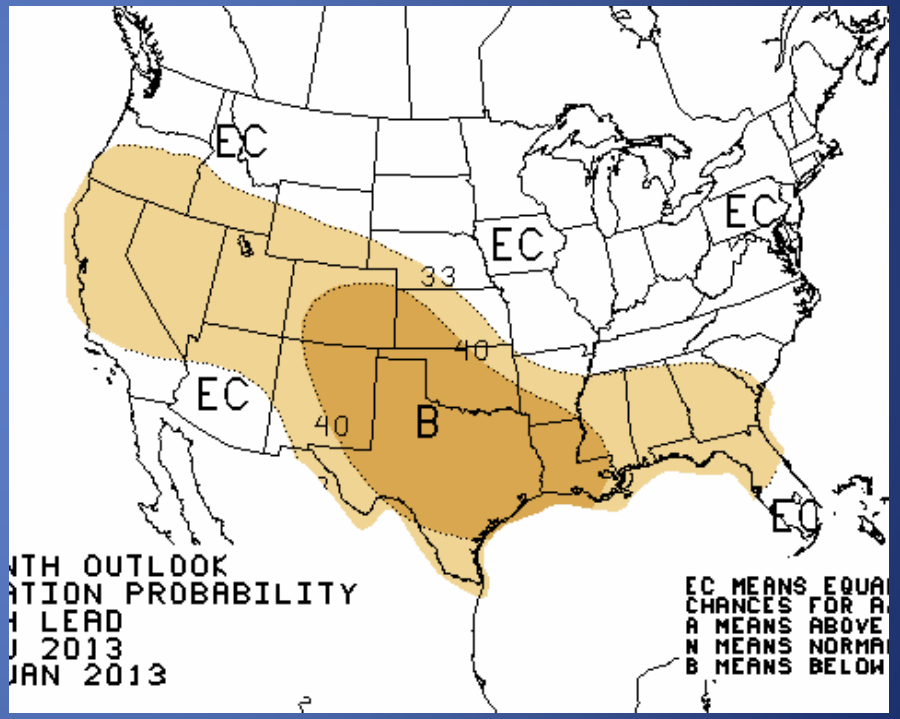
http://www.cpc.ncep.noaa.gov/products/predictions/long_range/seasonal.php?lead=1

3 Month Temperature and Precipitation Probabilities

(April - June)



Temperature



Precipitation

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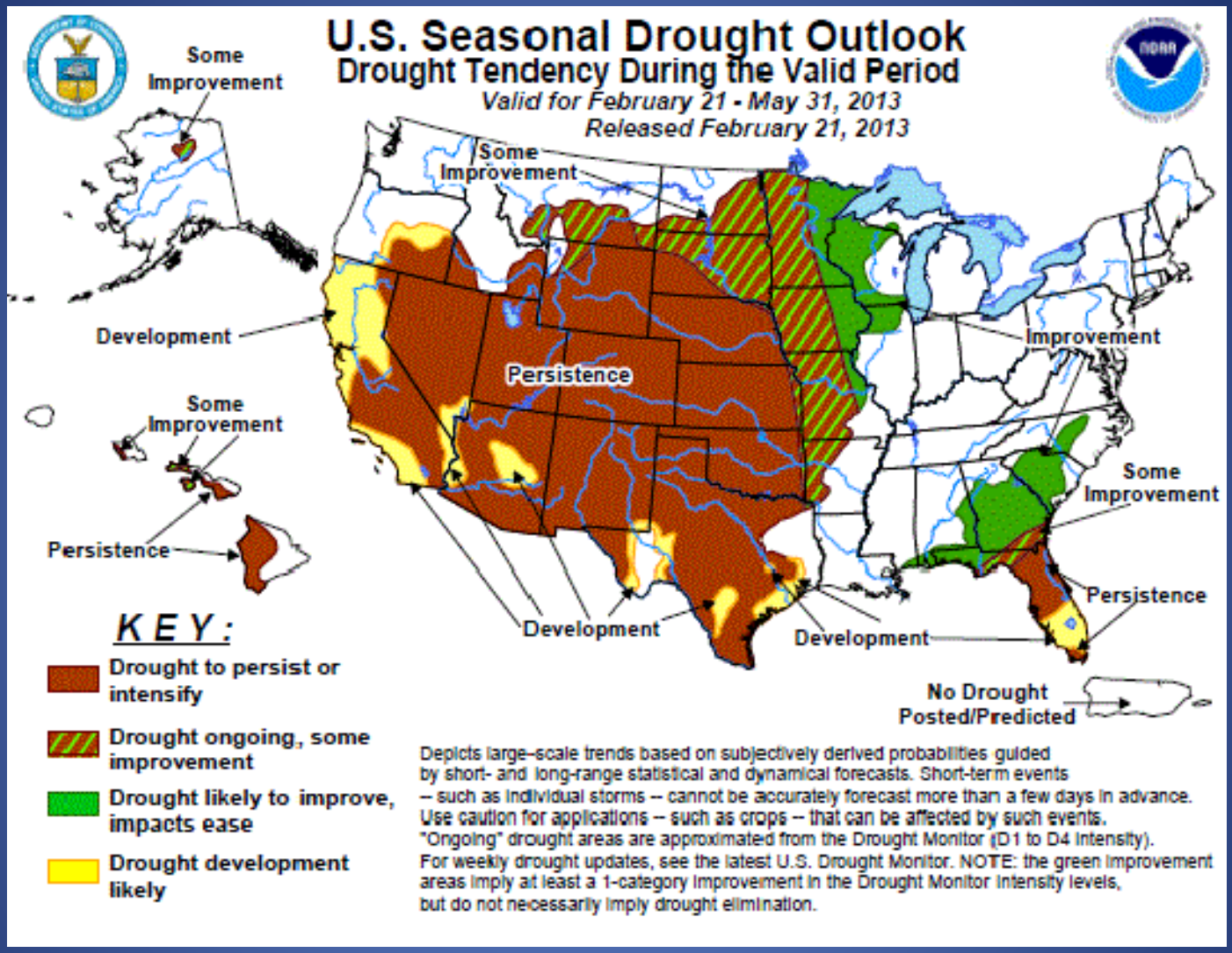

Climate and Weather