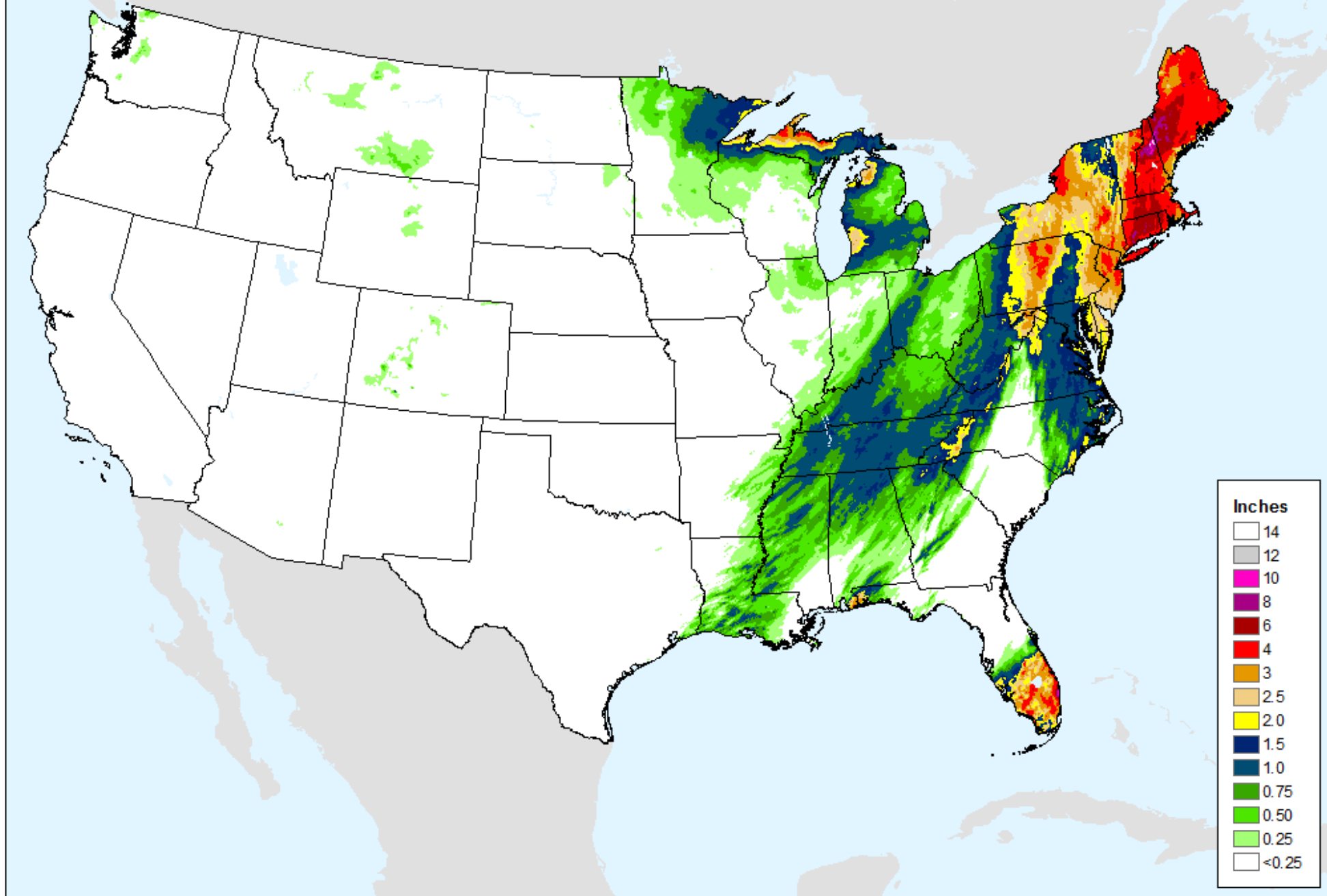


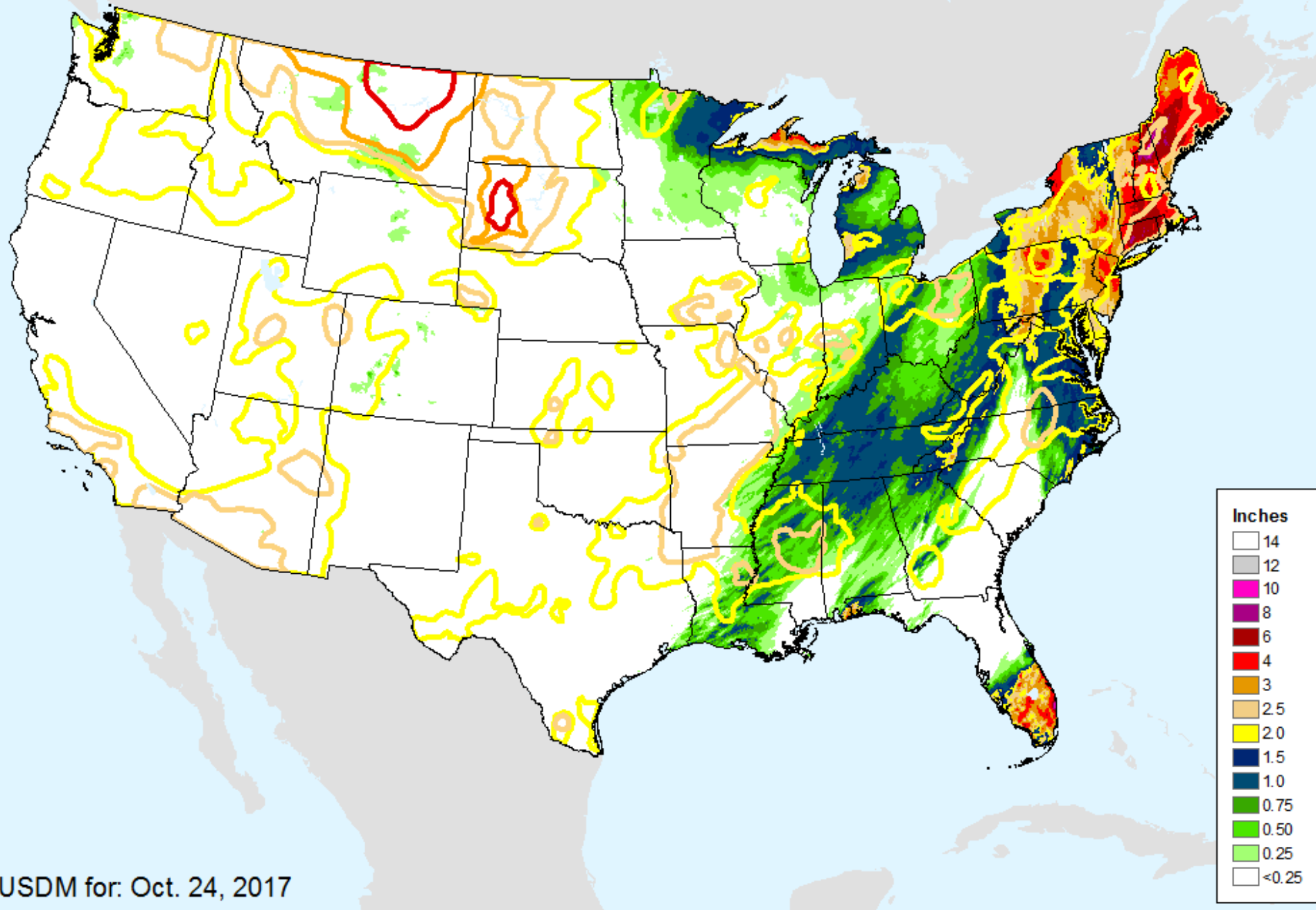
AHPS 7-Day Precipitation

As of: Tuesday, October 31, 2017



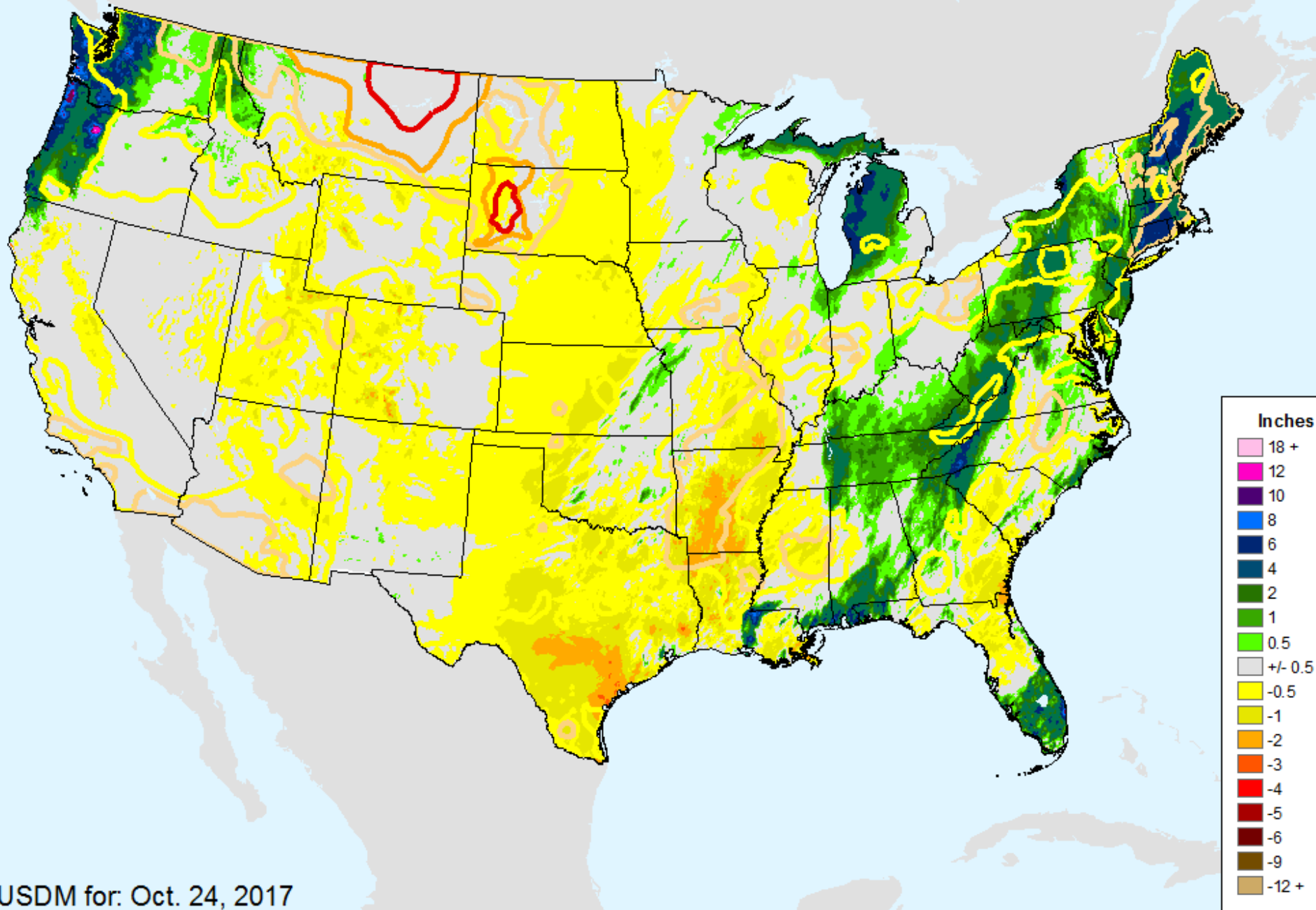
AHPS 7-Day Precipitation

As of: Tuesday, October 31, 2017



AHPS 14-Day Precip Departure

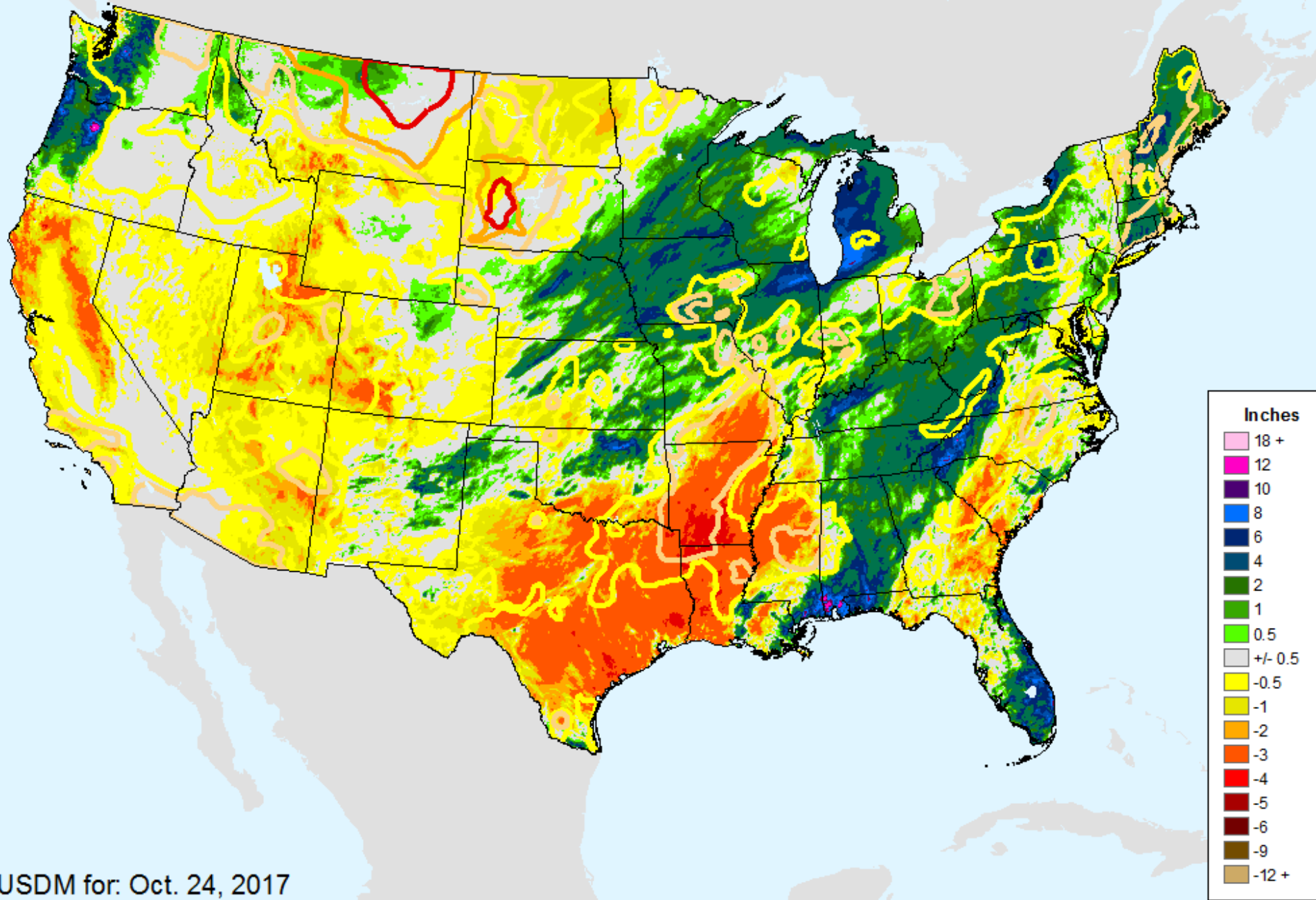
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

AHPS 30-Day Precip Departure

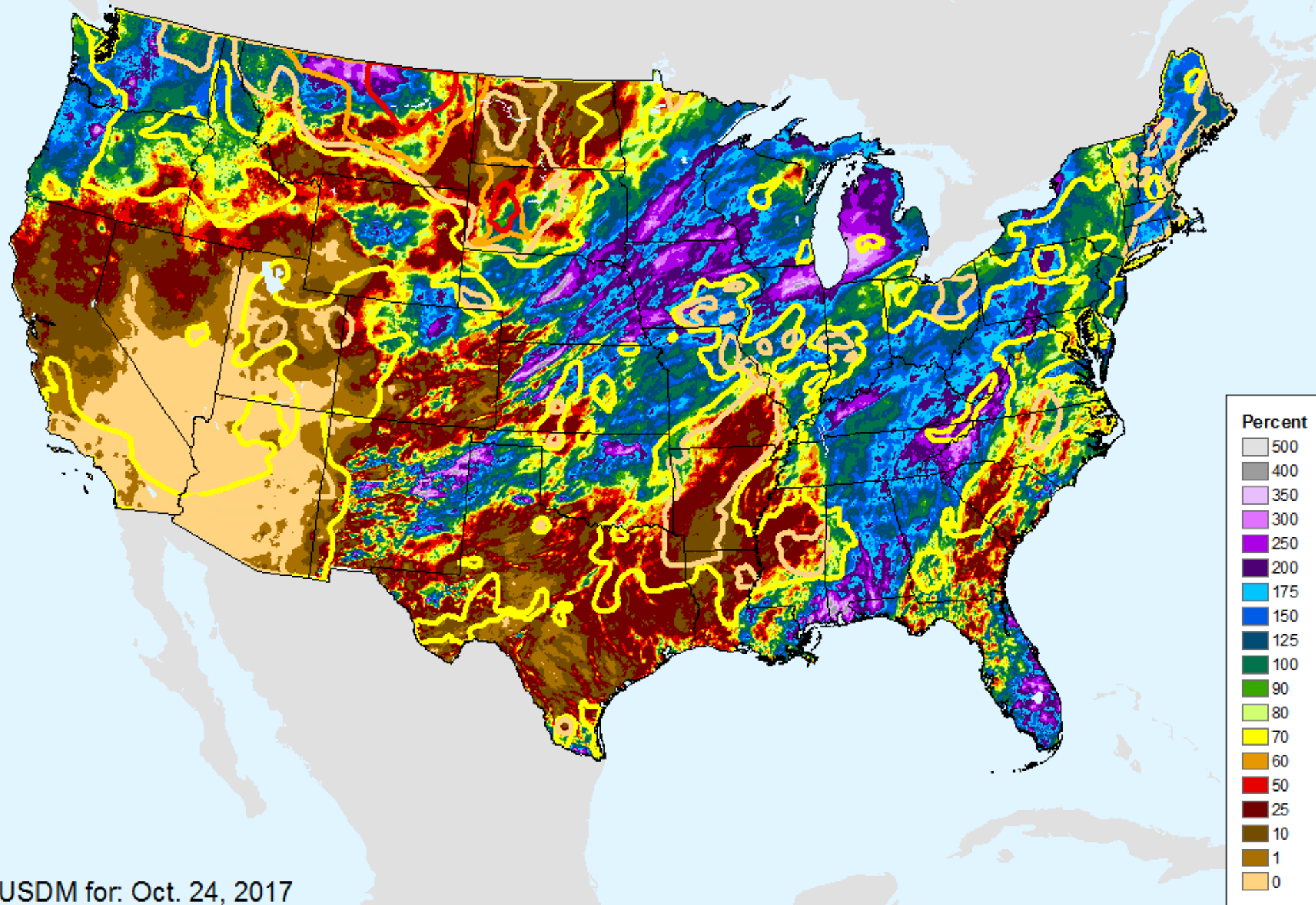
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

AHPS 30-Day Pct of Normal Pcp

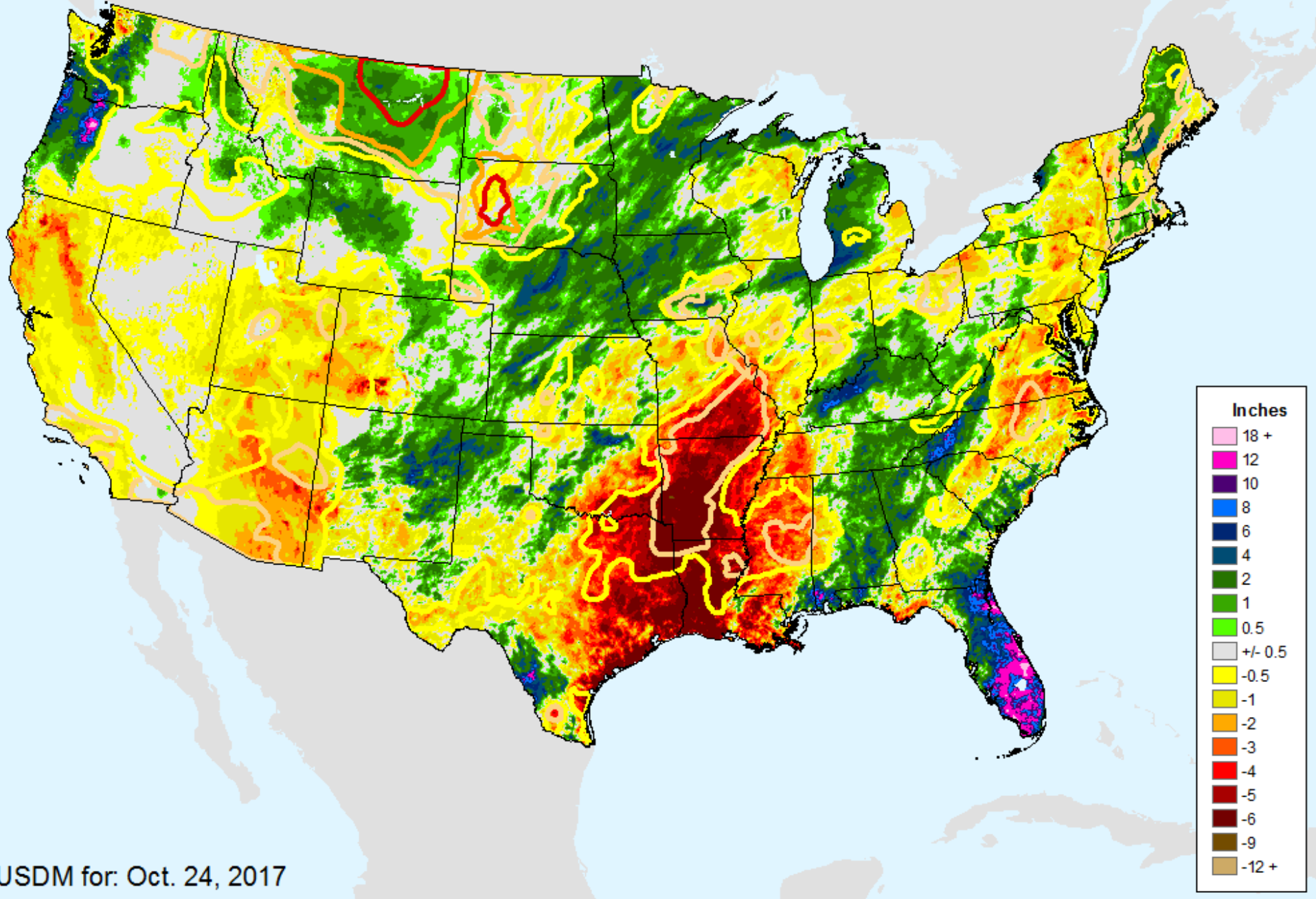
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

AHPS 60-Day Precip Departure

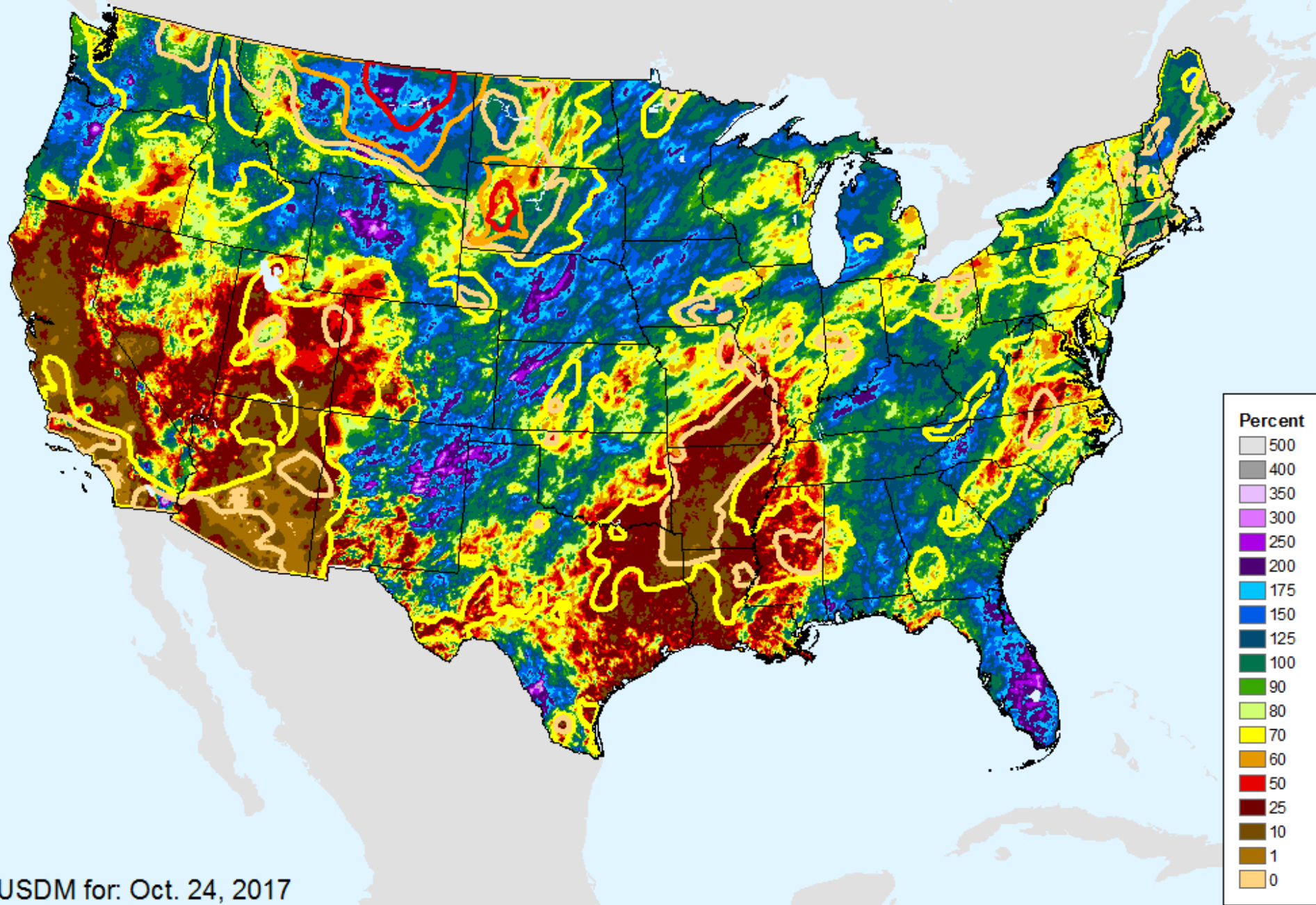
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

AHPS 60-Day Pct of Normal Pcp

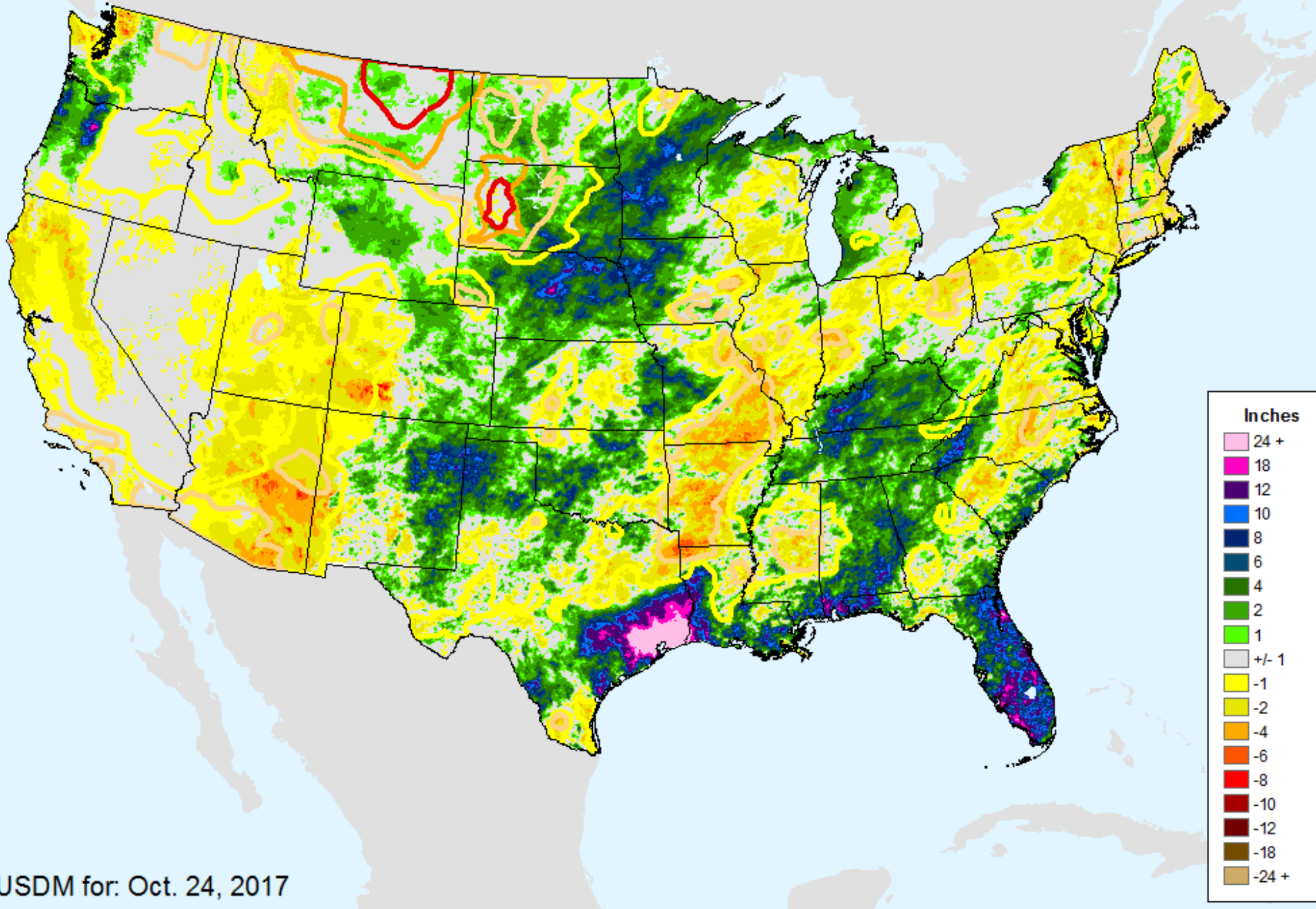
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

AHPS 90-Day Precip Departure

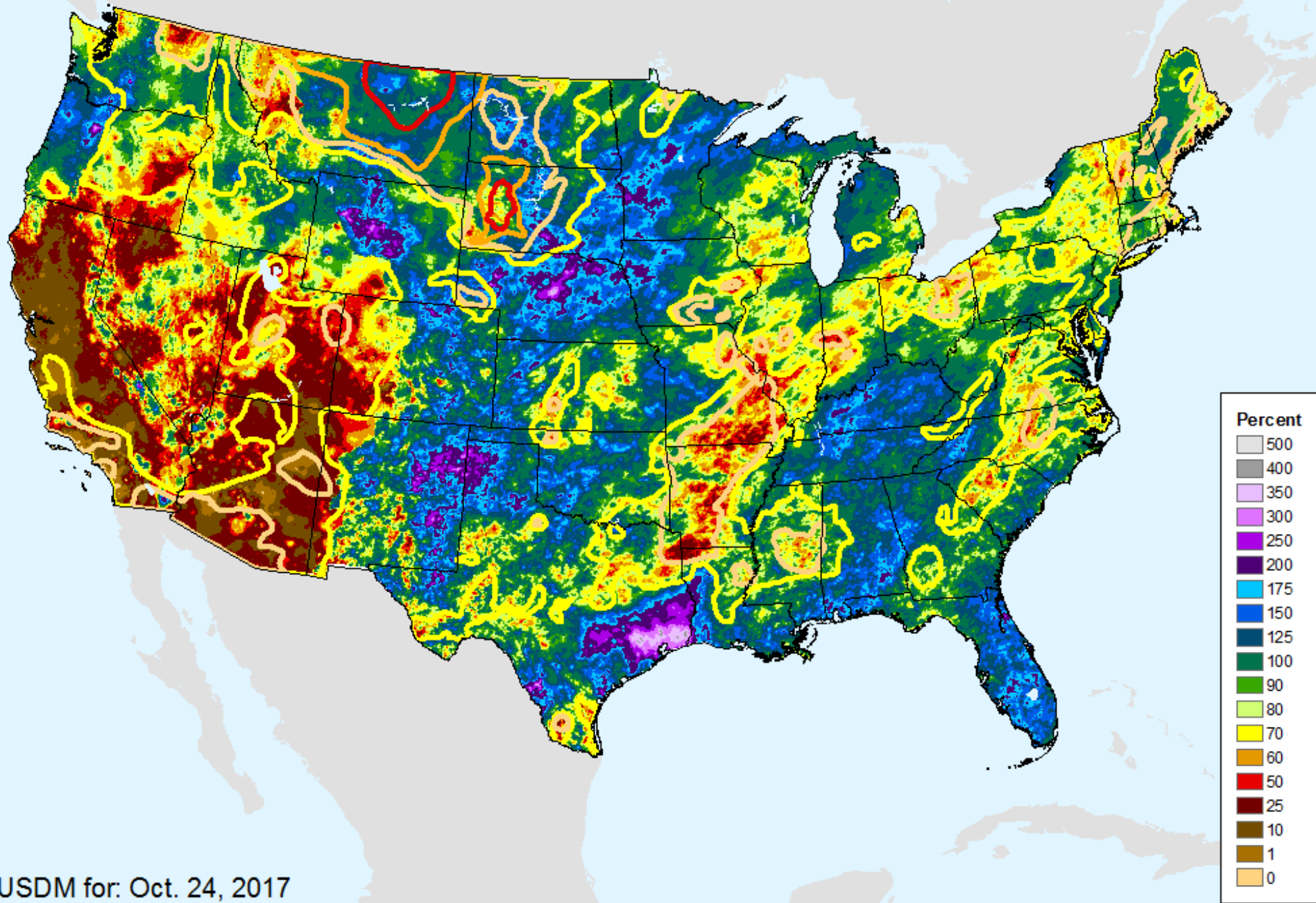
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

AHPS 90-Day Pct of Normal Pcp

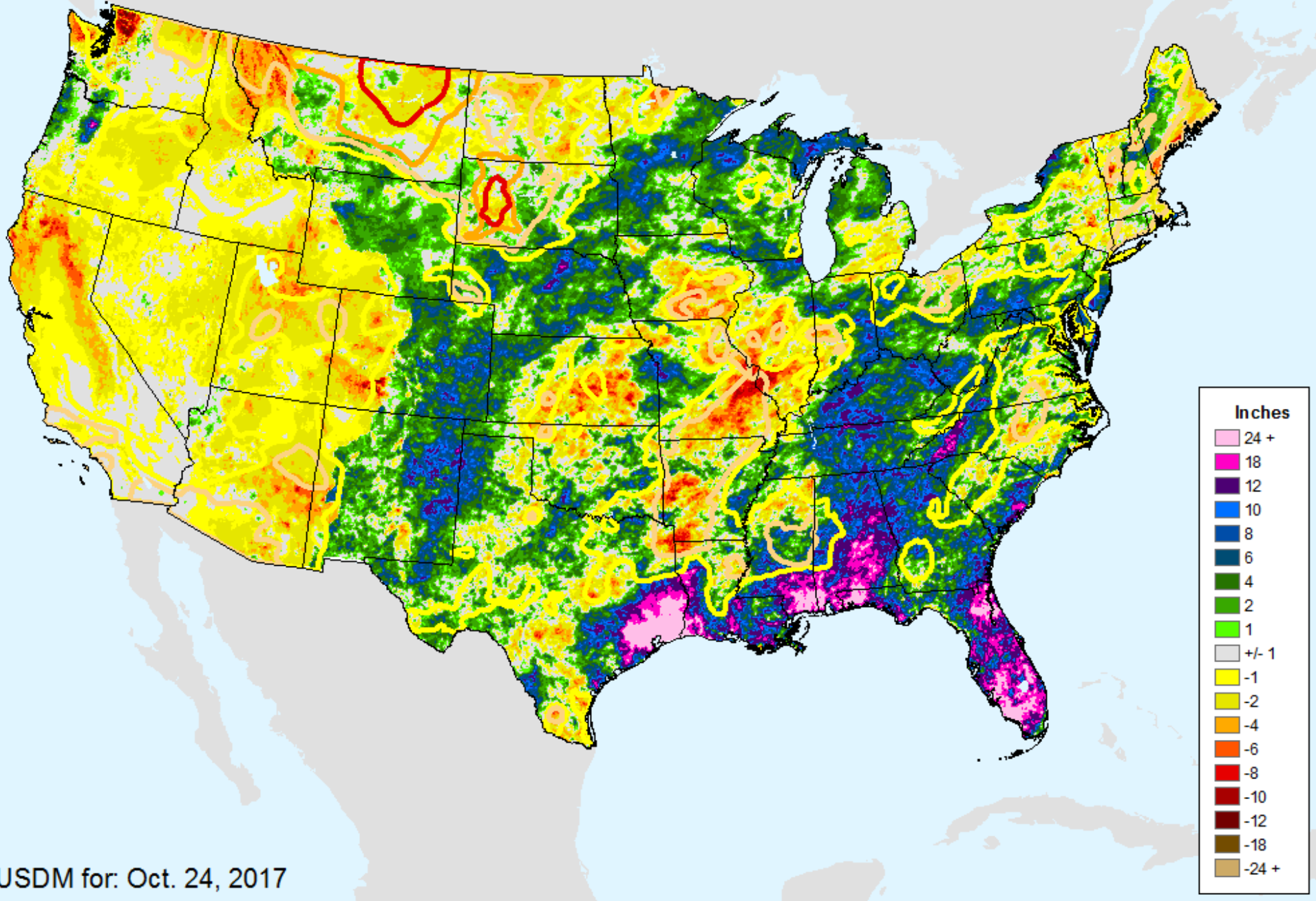
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

AHPS 180-Day Precip Departure

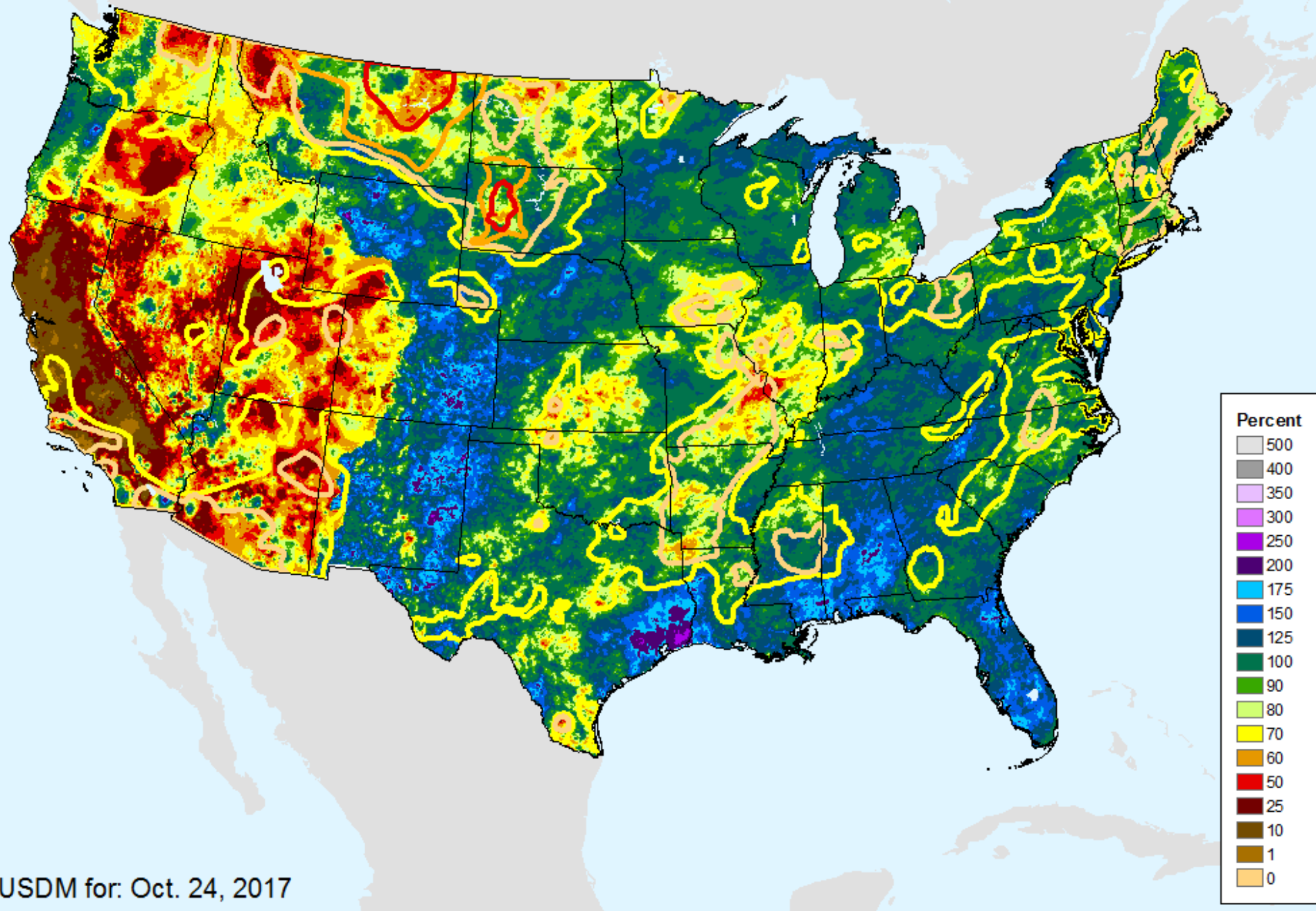
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

AHPS 180-Day Pct of Normal Pcp

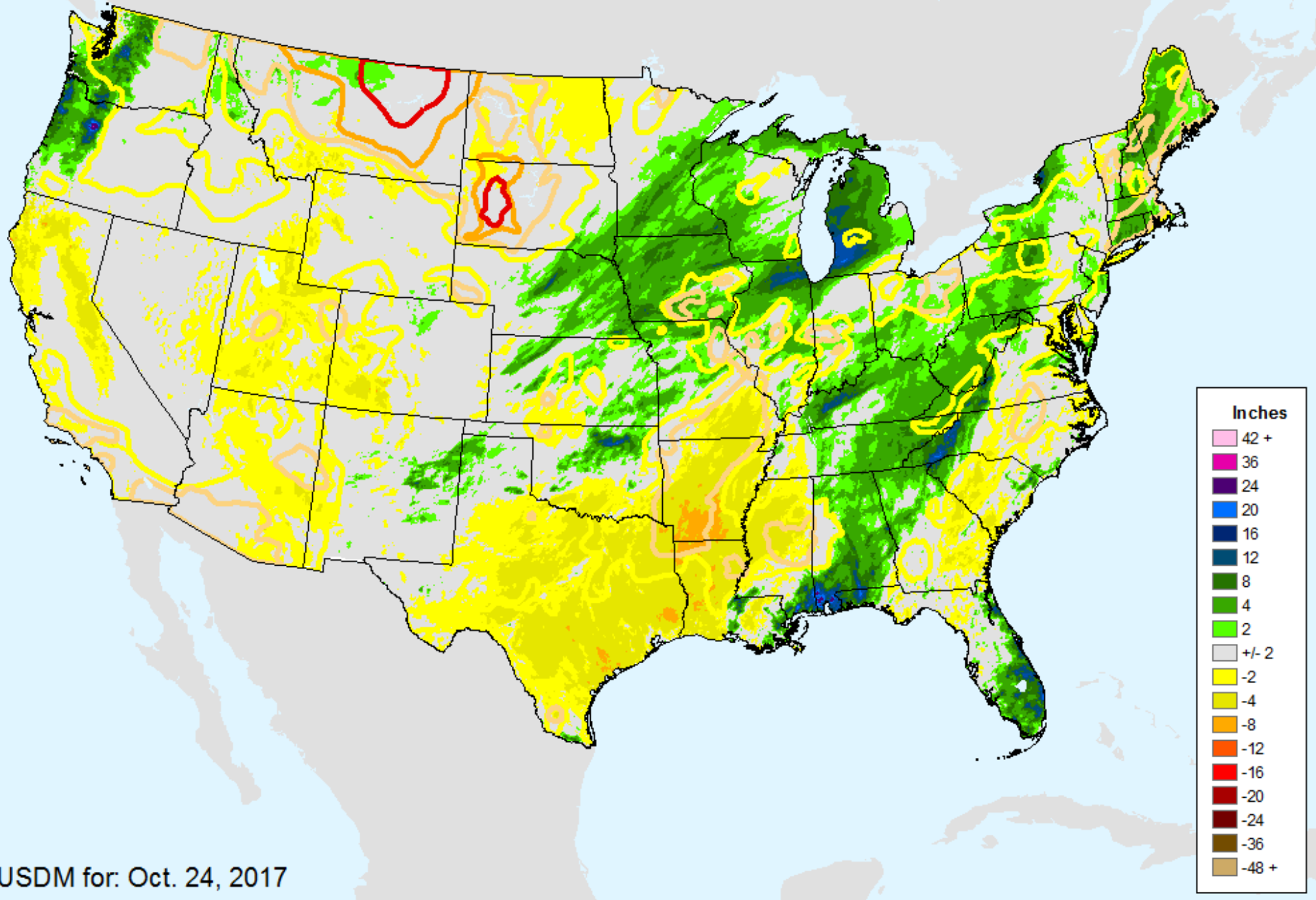
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

AHPS Water-Year Precip Departure

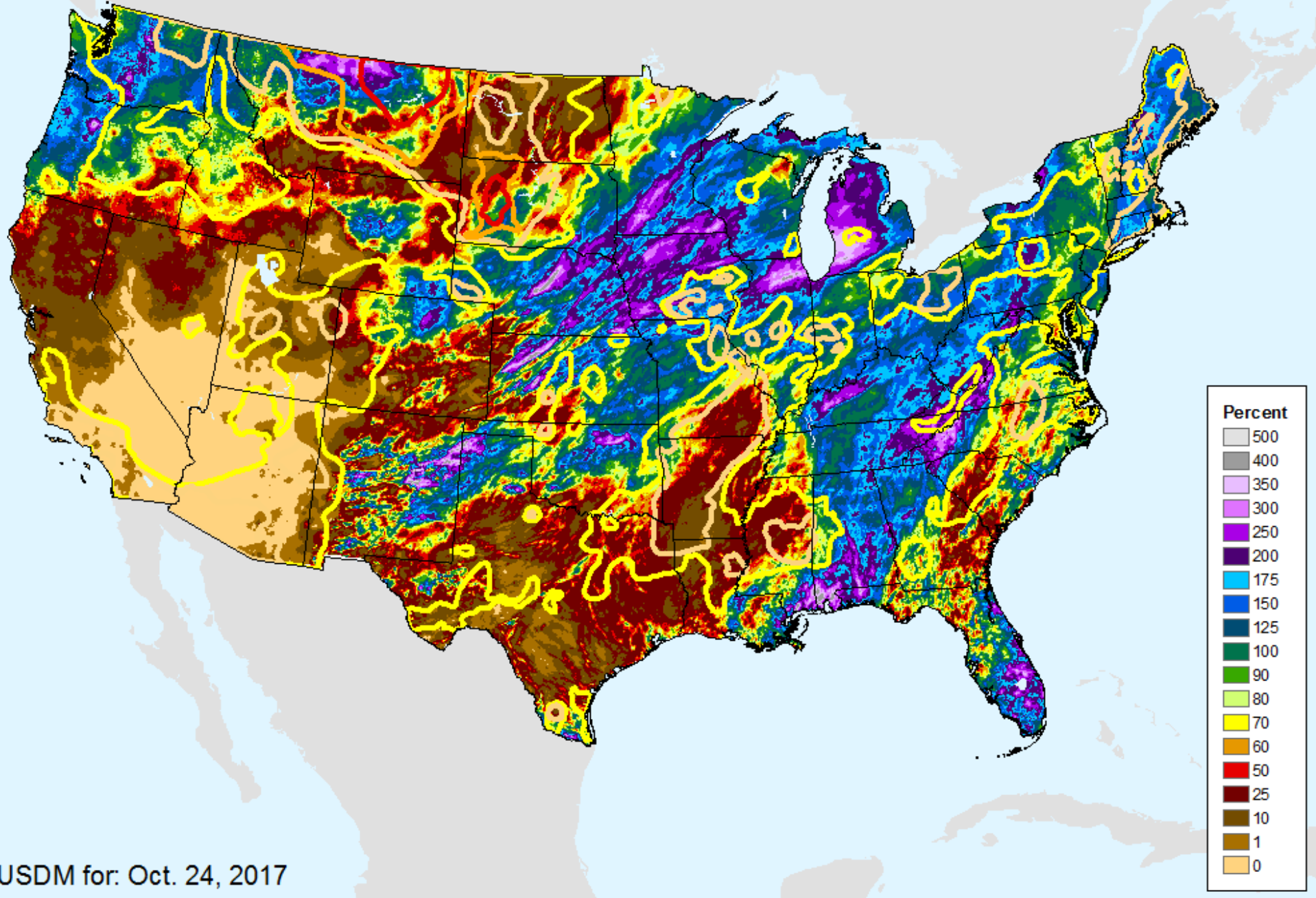
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

AHPS Water-Year Pct of Normal Pcp

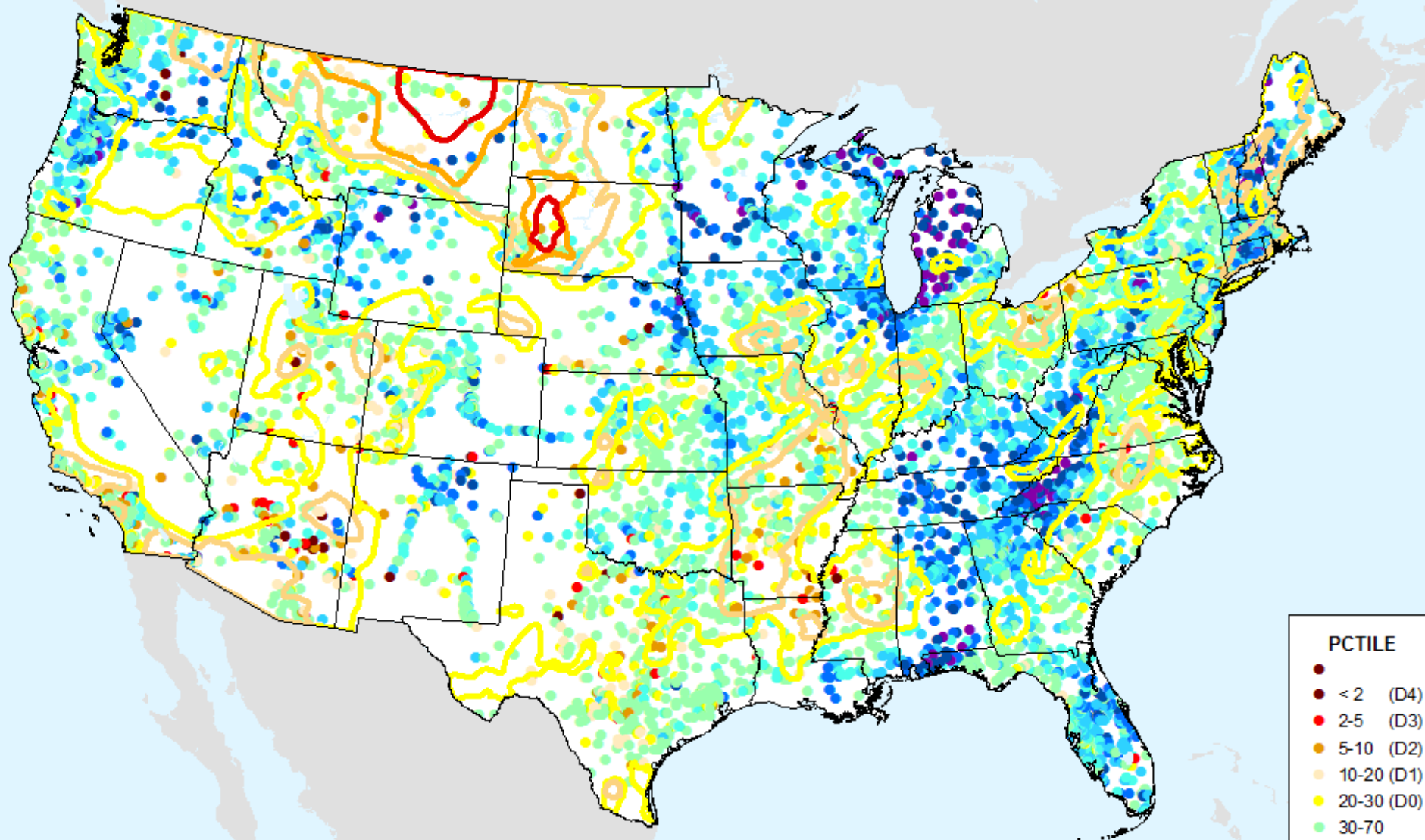
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

USGS 7-Day Avg Streamflow

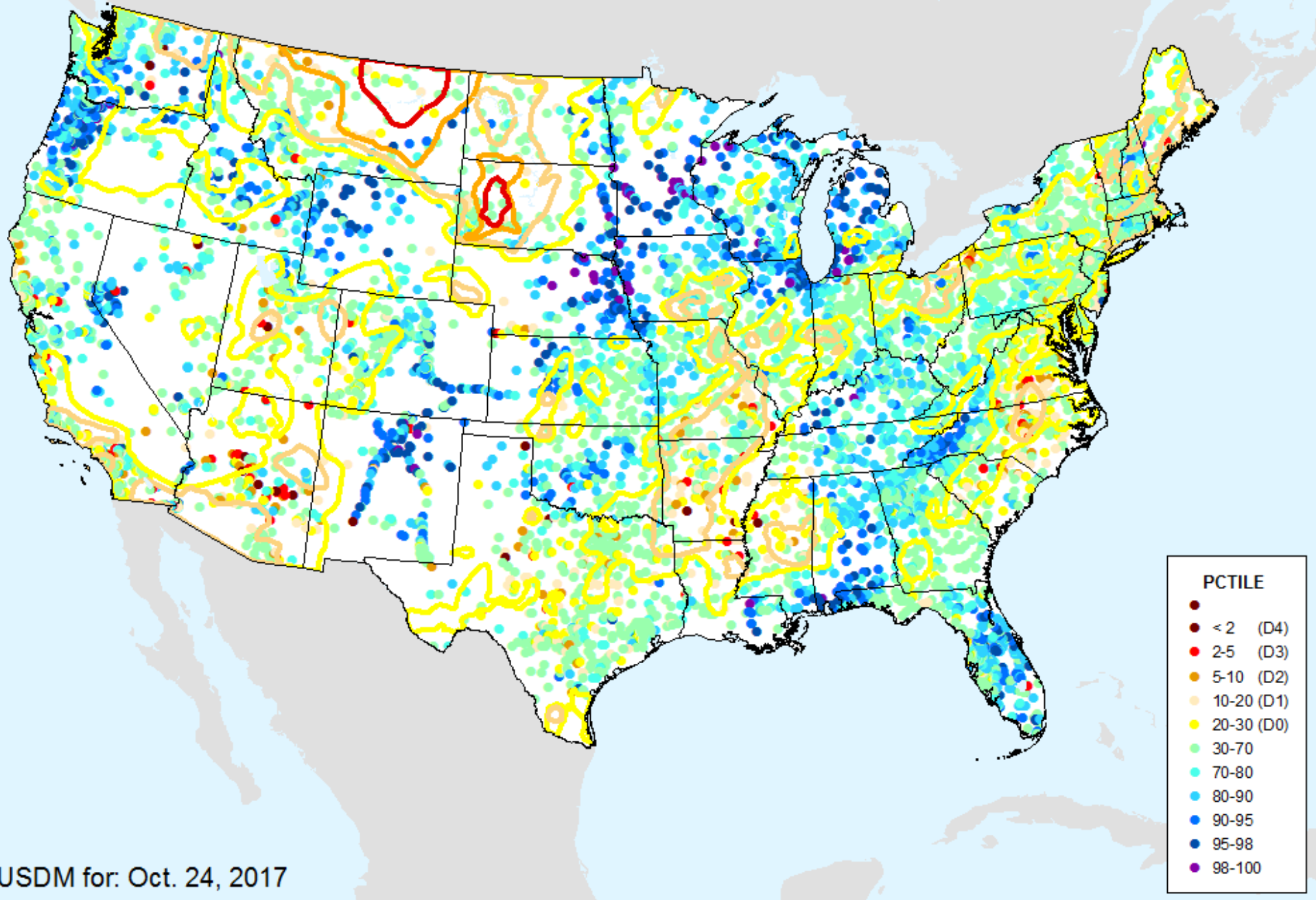
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

USGS 28-Day Avg Streamflow

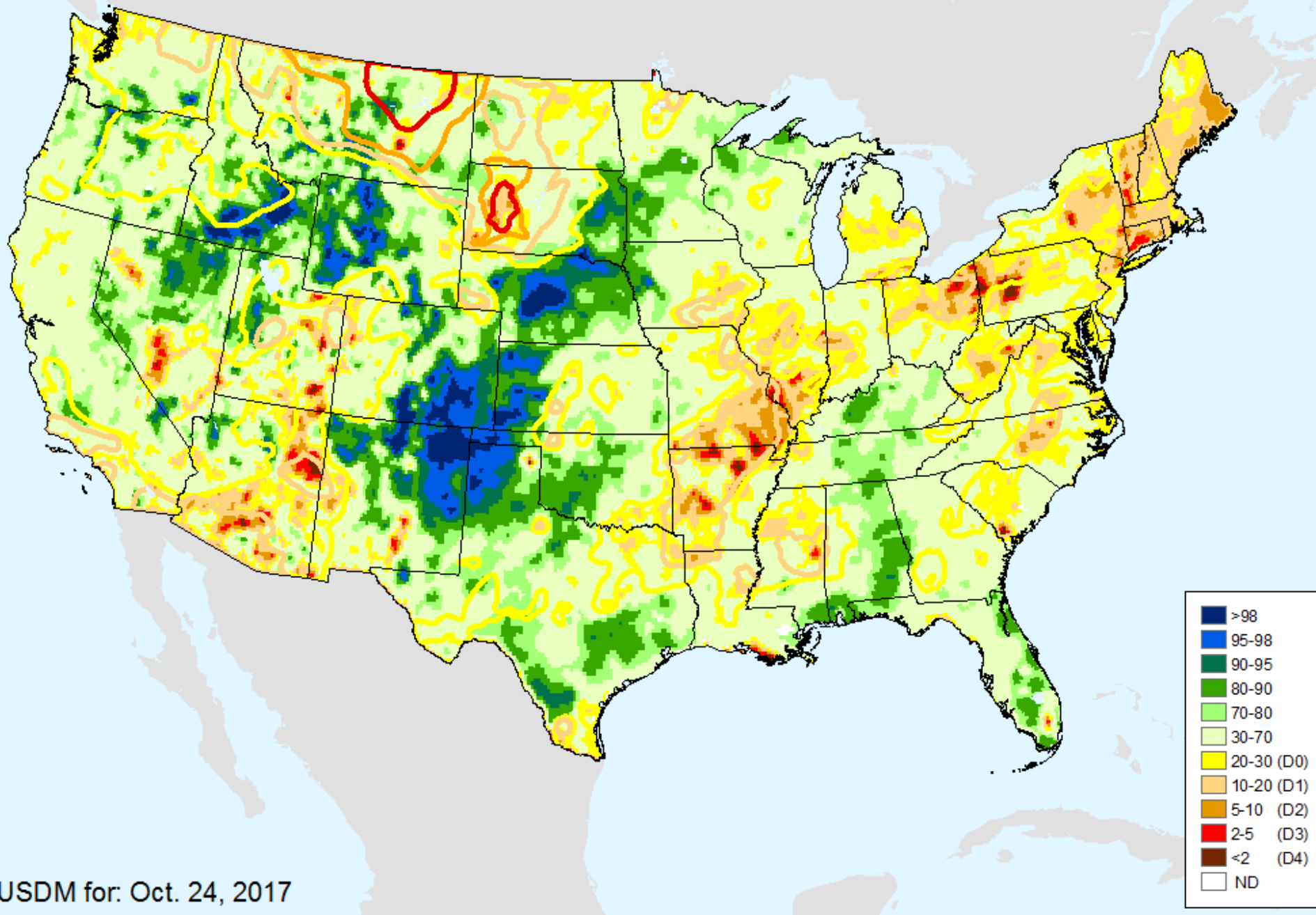
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

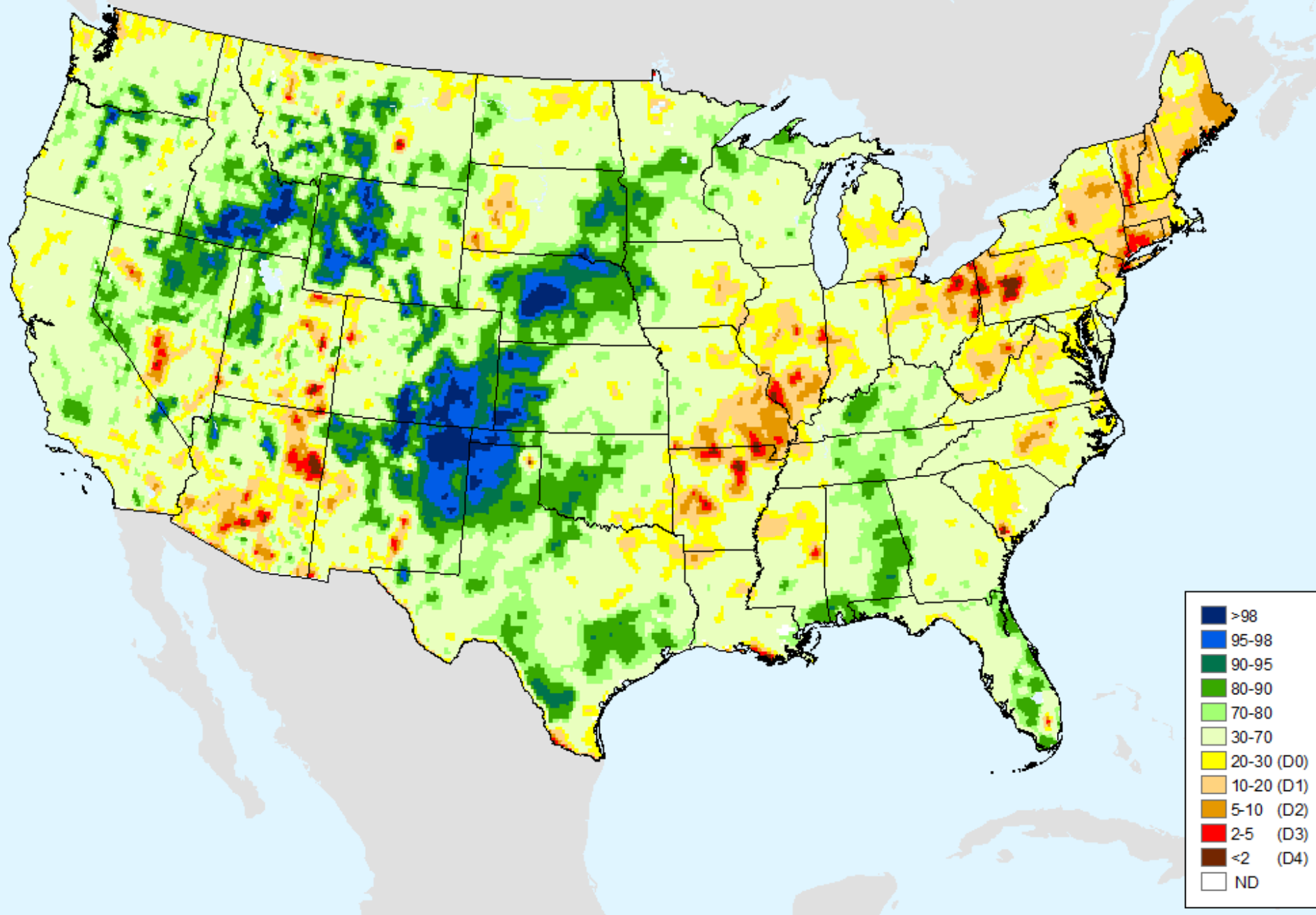
NLDAS Top 1m Soil Moisture

As of: Tuesday, October 31, 2017



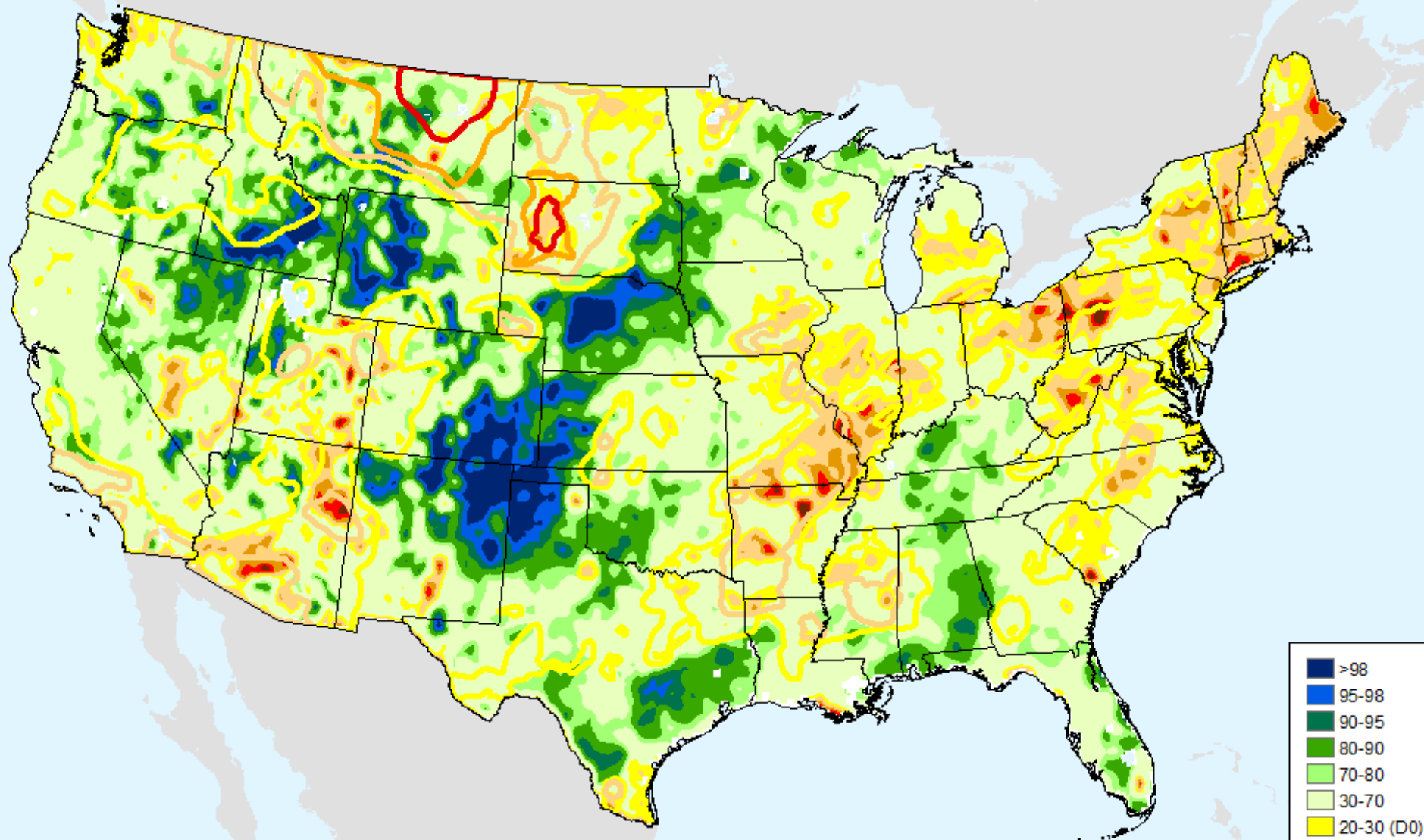
NLDAS Top 1m Soil Moisture

As of: Tuesday, October 31, 2017



NLDAS Total Column Soil Moisture

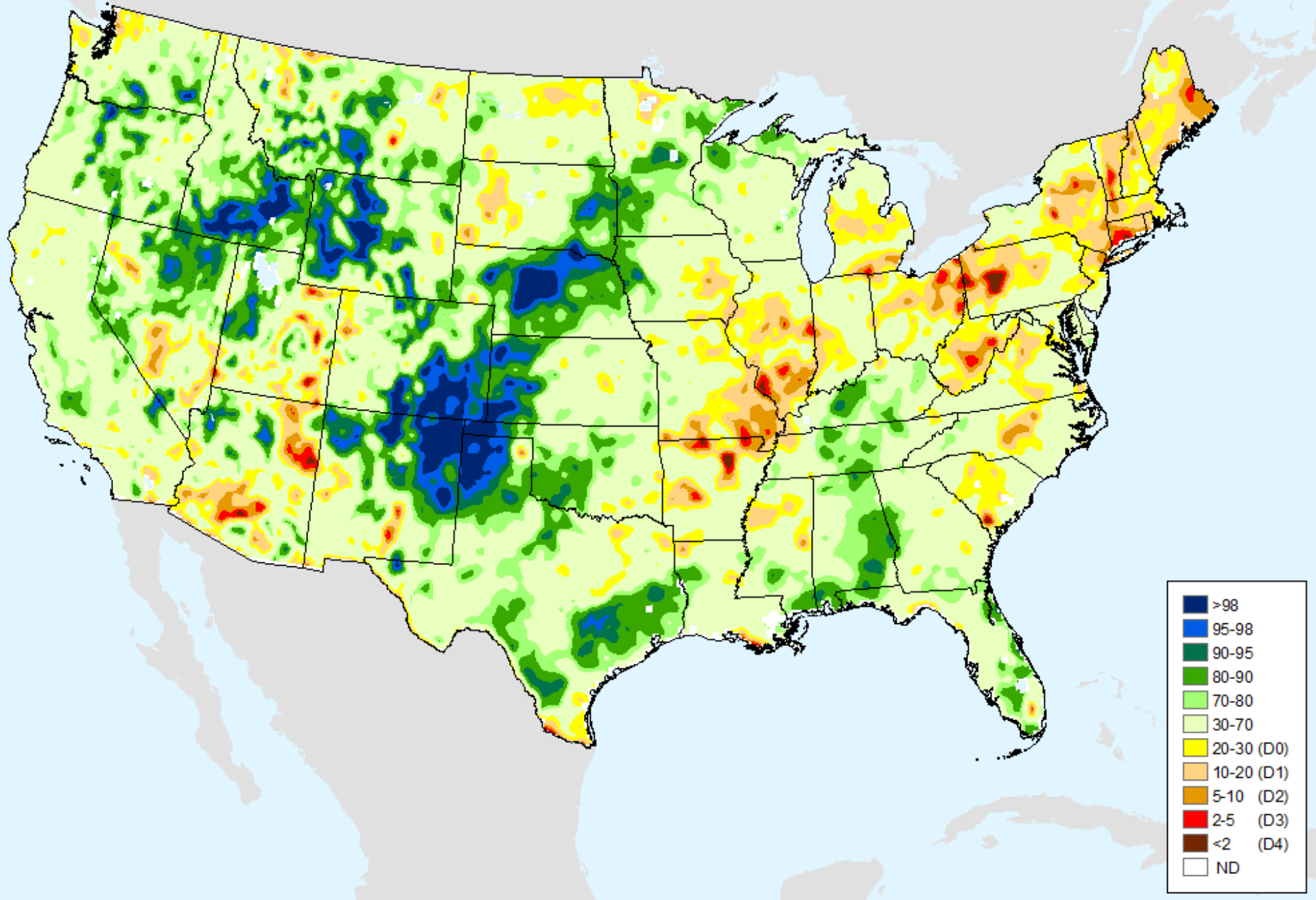
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

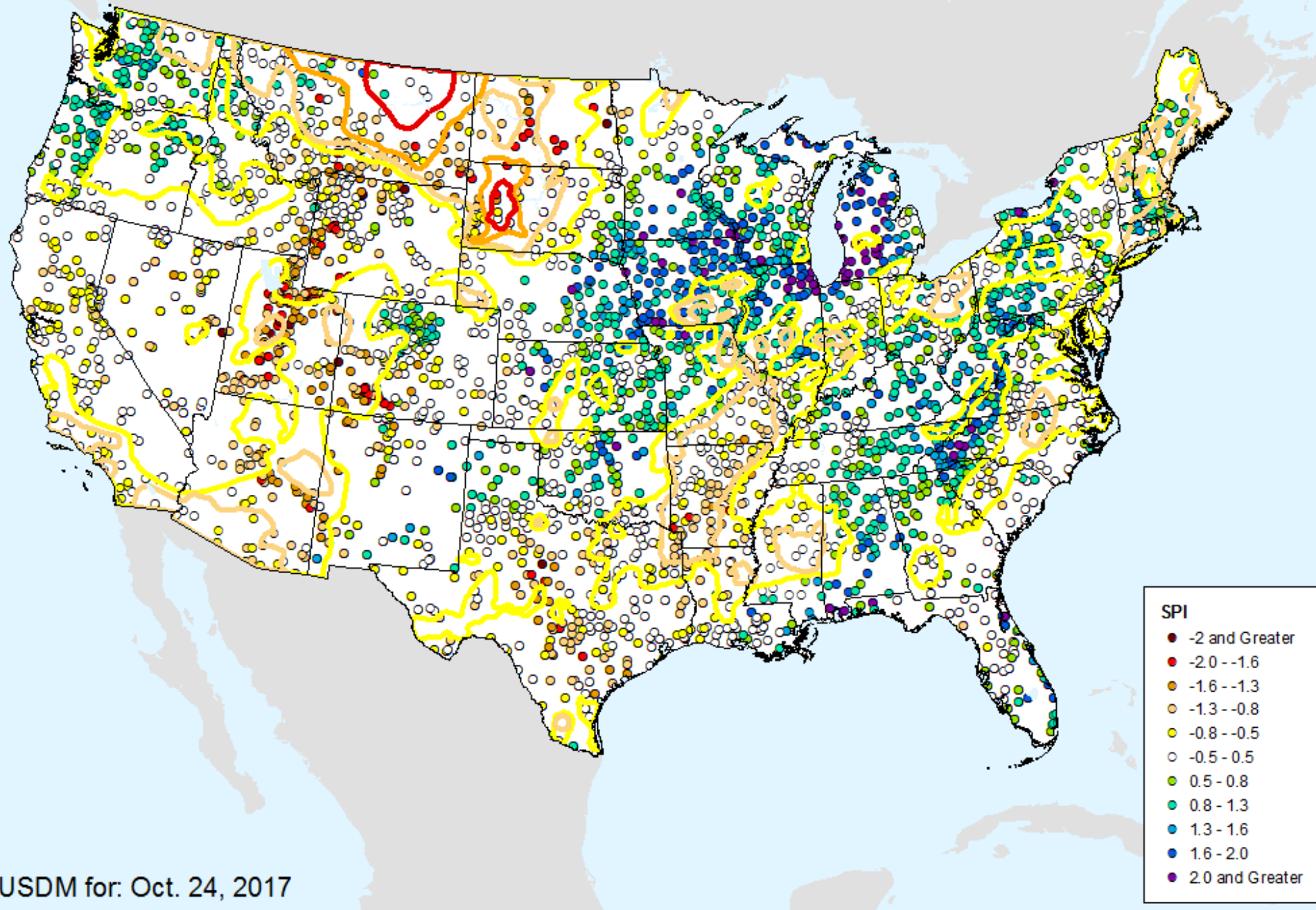
NLDAS Total Column Soil Moisture

As of: Tuesday, October 31, 2017



HPRCC 1-month SPI

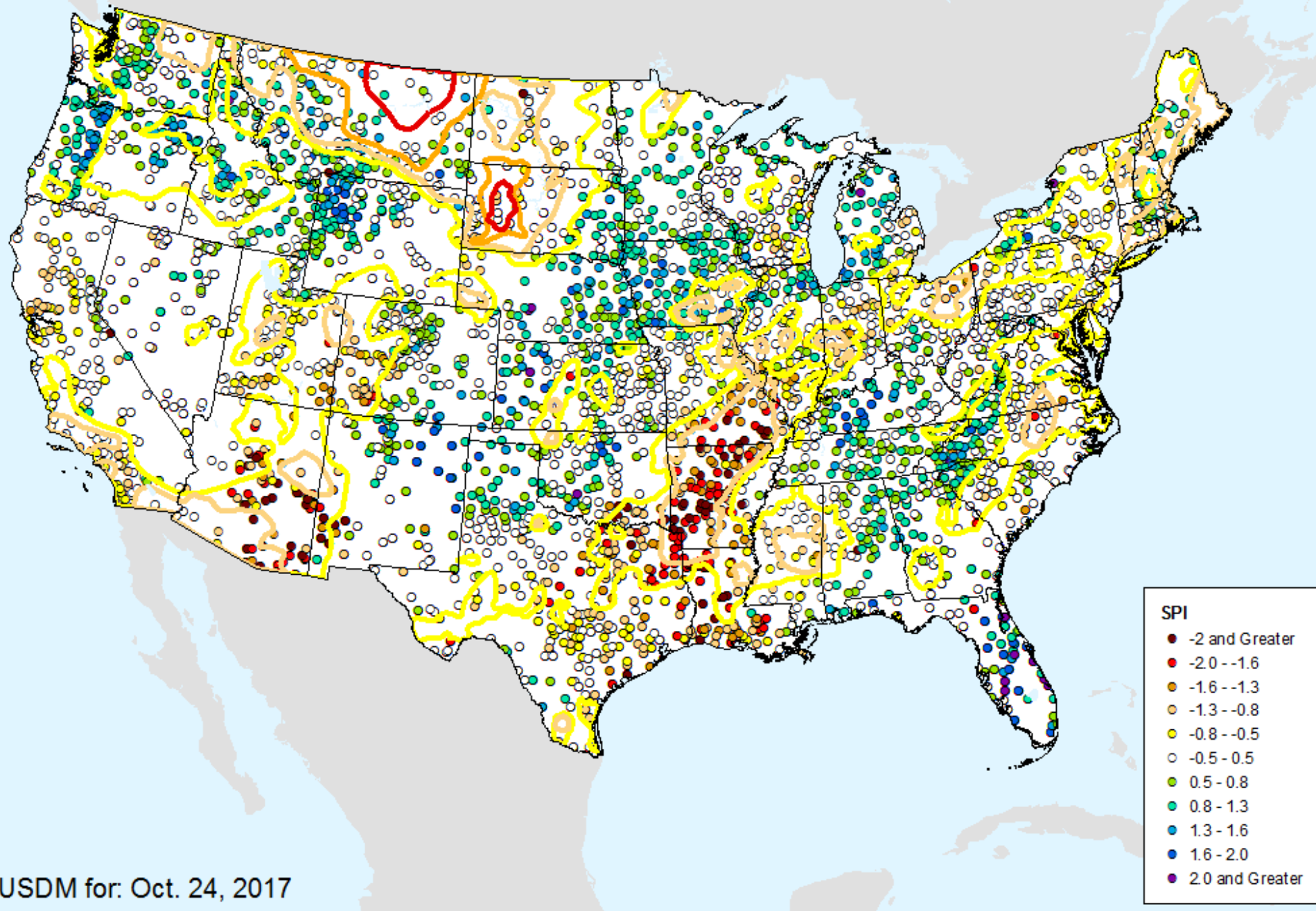
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

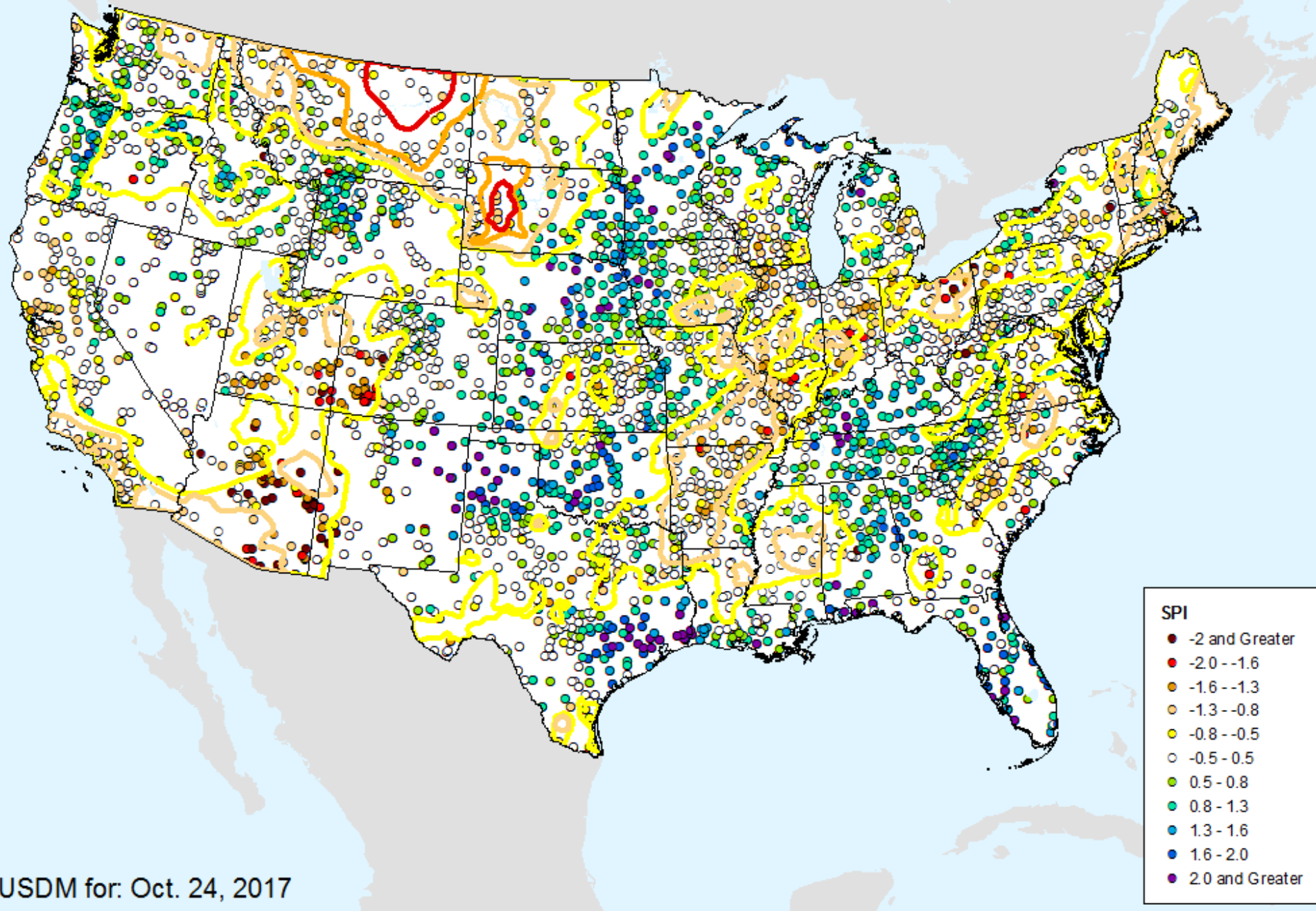
HPRCC 2-month SPI

As of: Tuesday, October 31, 2017



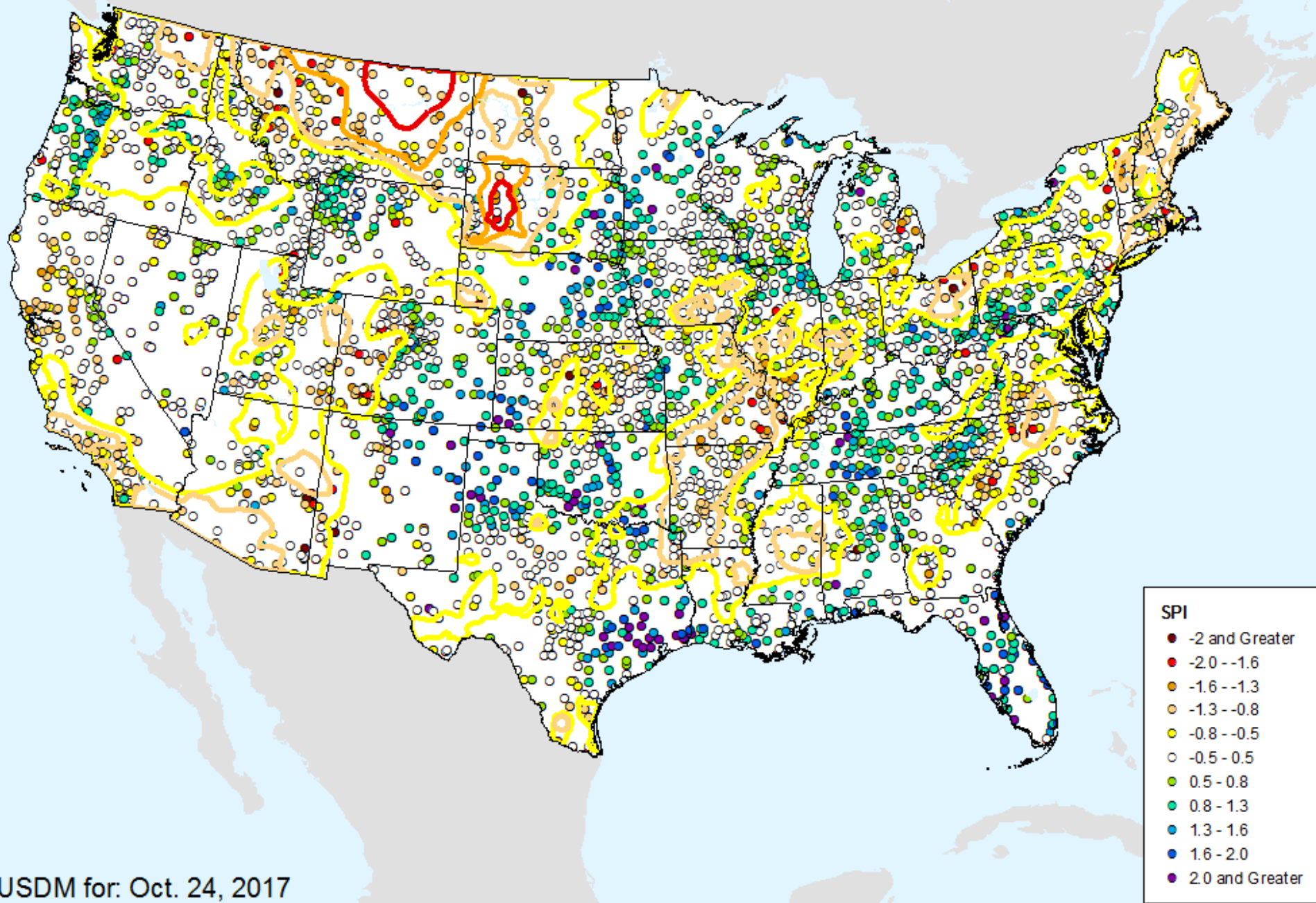
HPRCC 3-month SPI

As of: Tuesday, October 31, 2017



HPRCC 4-month SPI

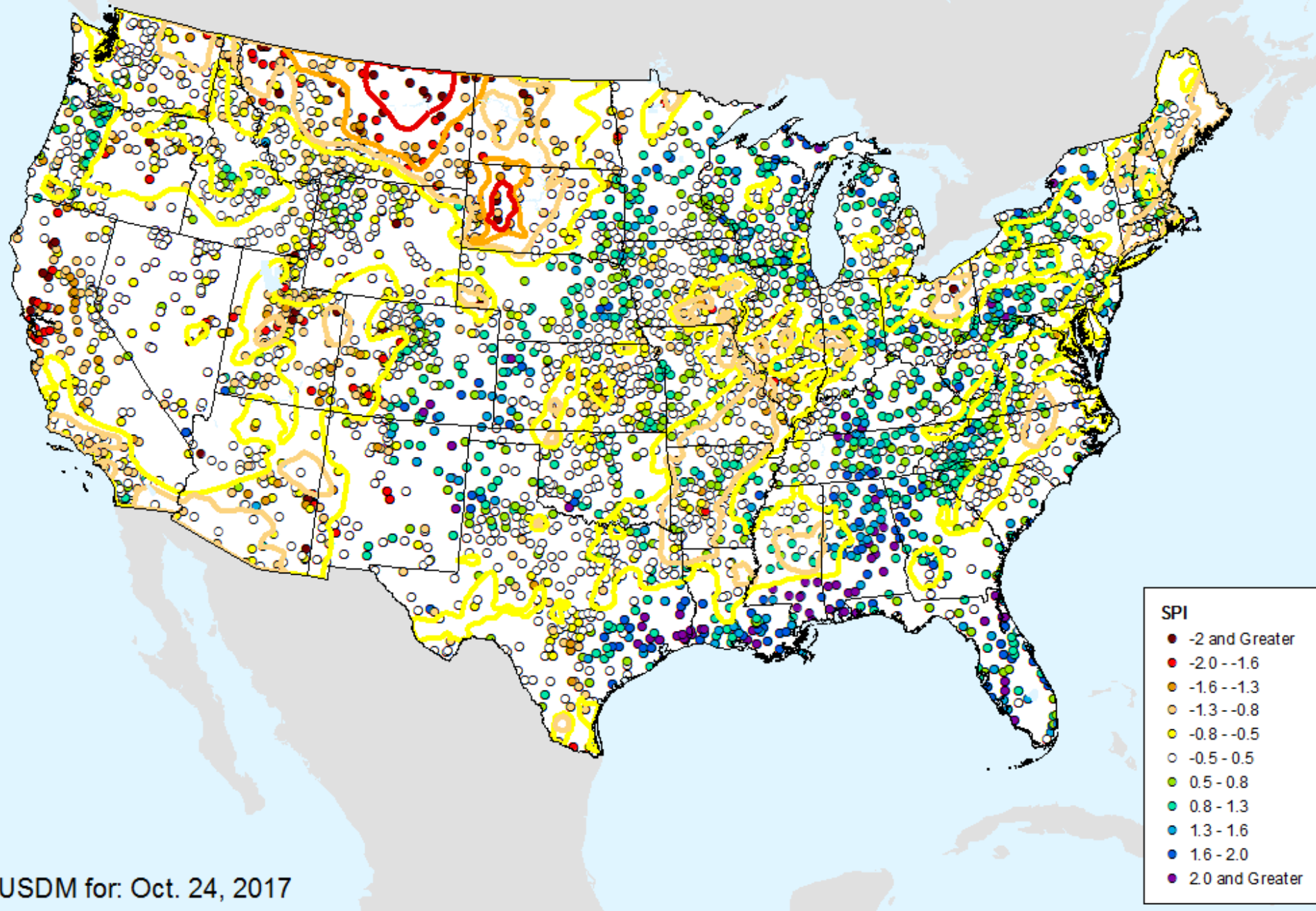
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

HPRCC 6-month SPI

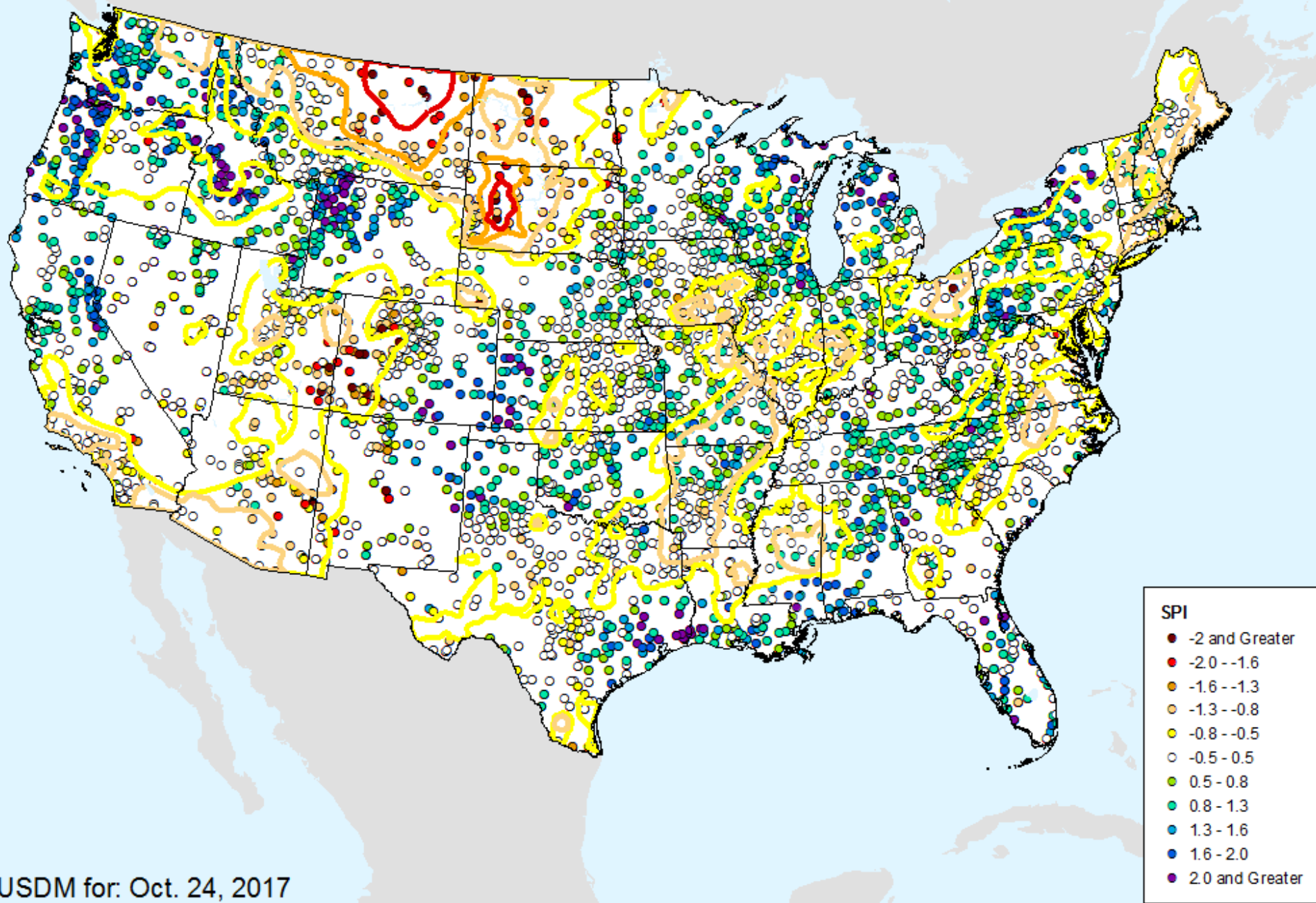
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

HPRCC 9-month SPI

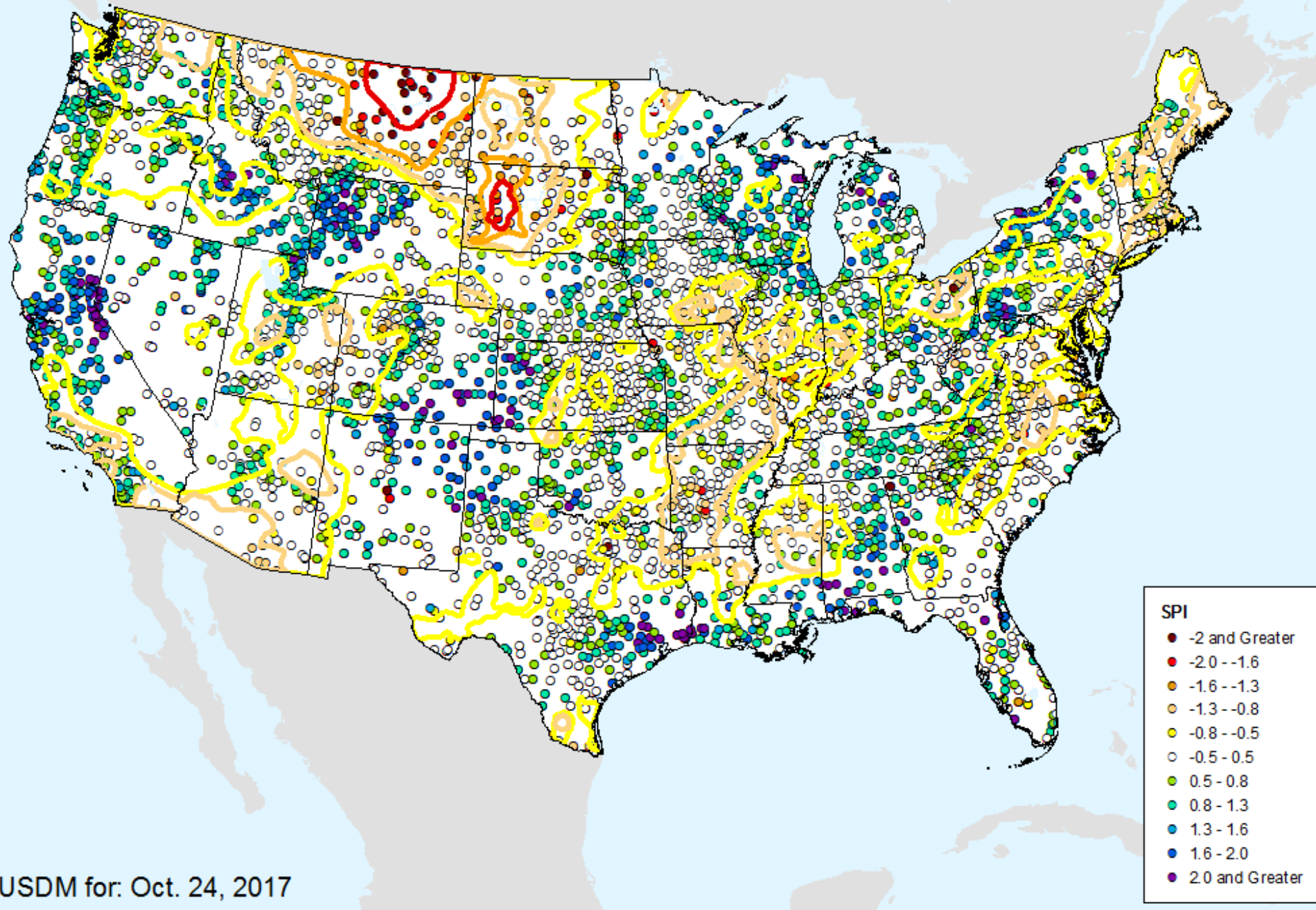
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

HPRCC 12-month SPI

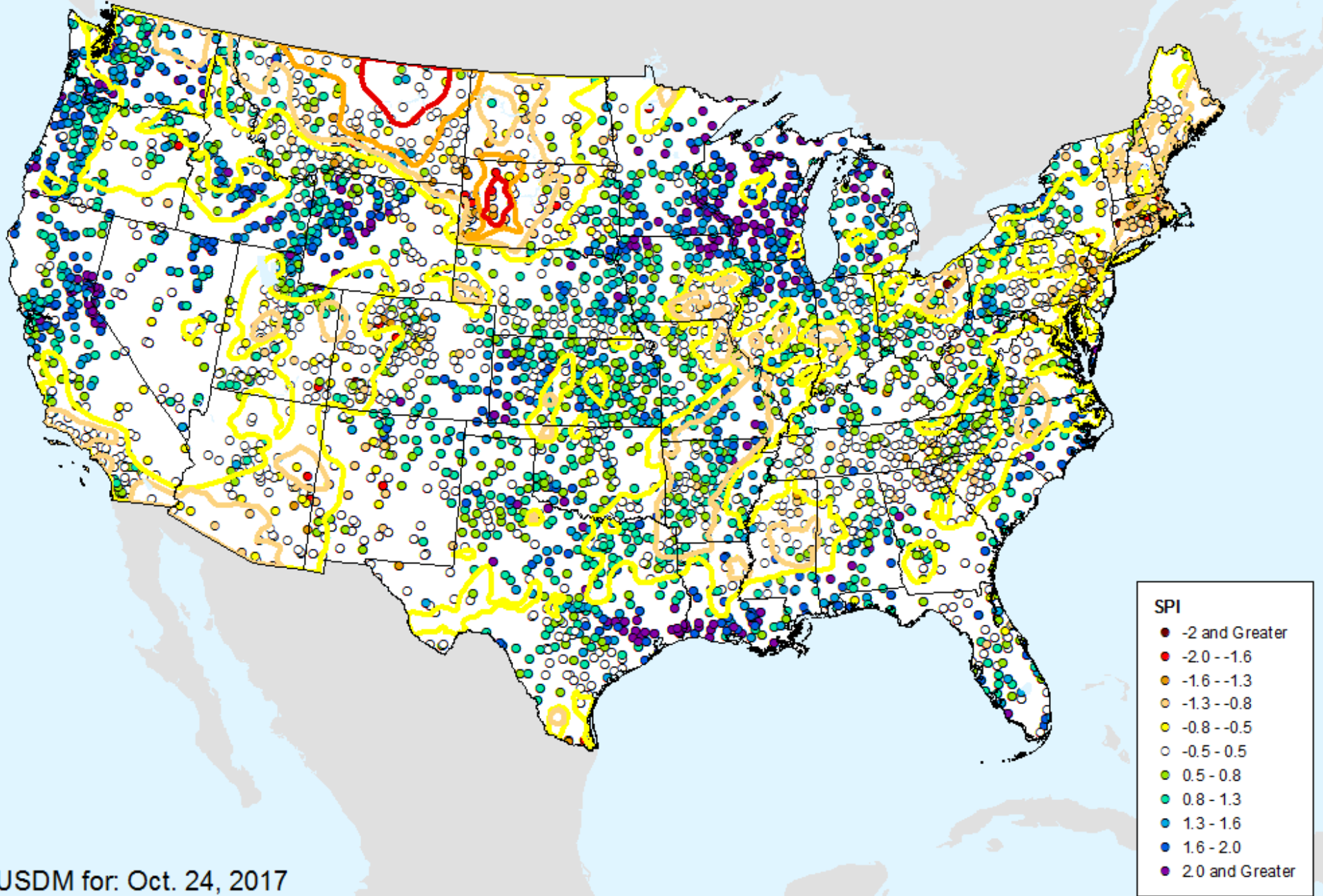
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

HPRCC 24-month SPI

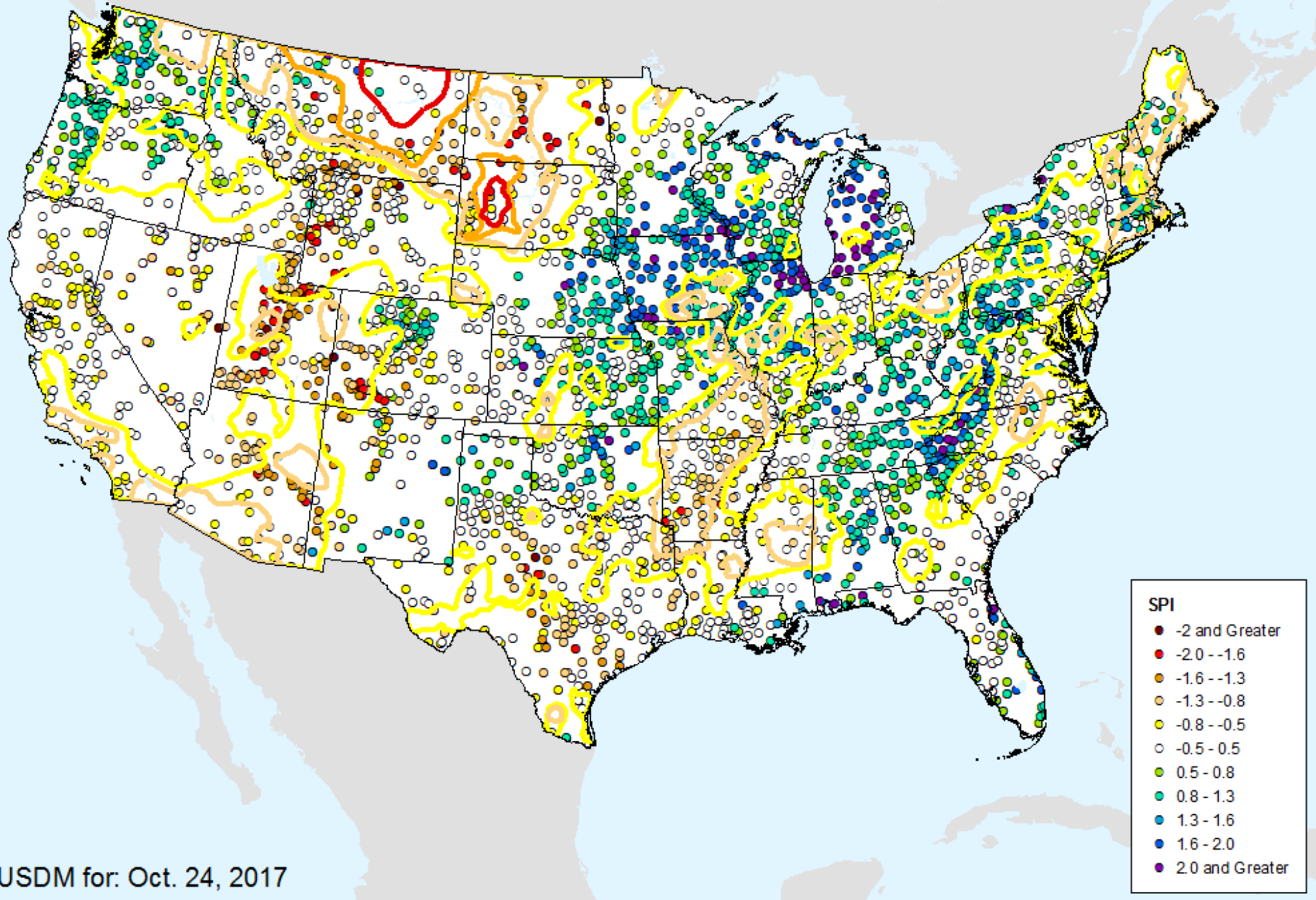
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

HPRCC Water Year-to-date SPI

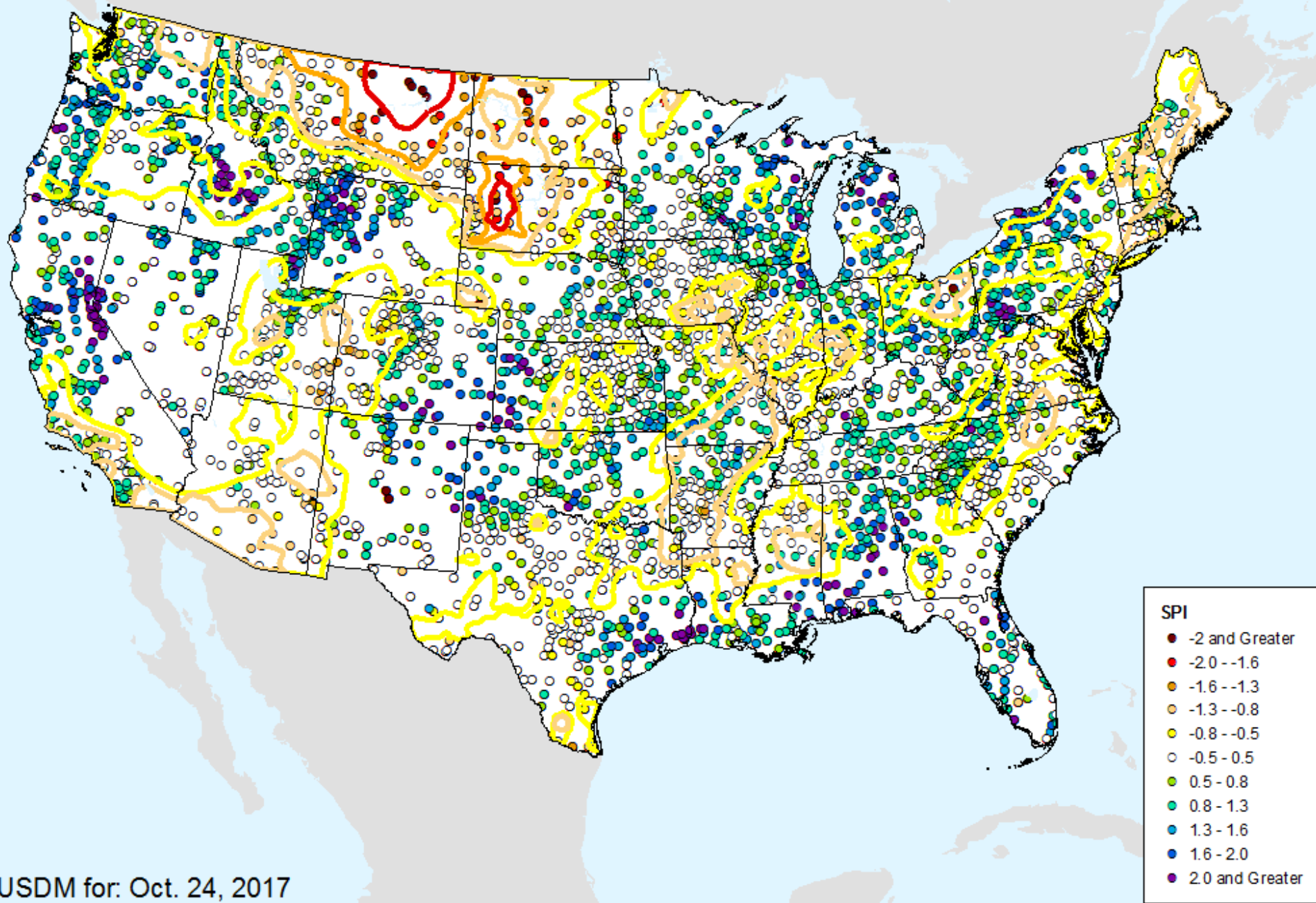
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

HPRCC Year-to-date SPI

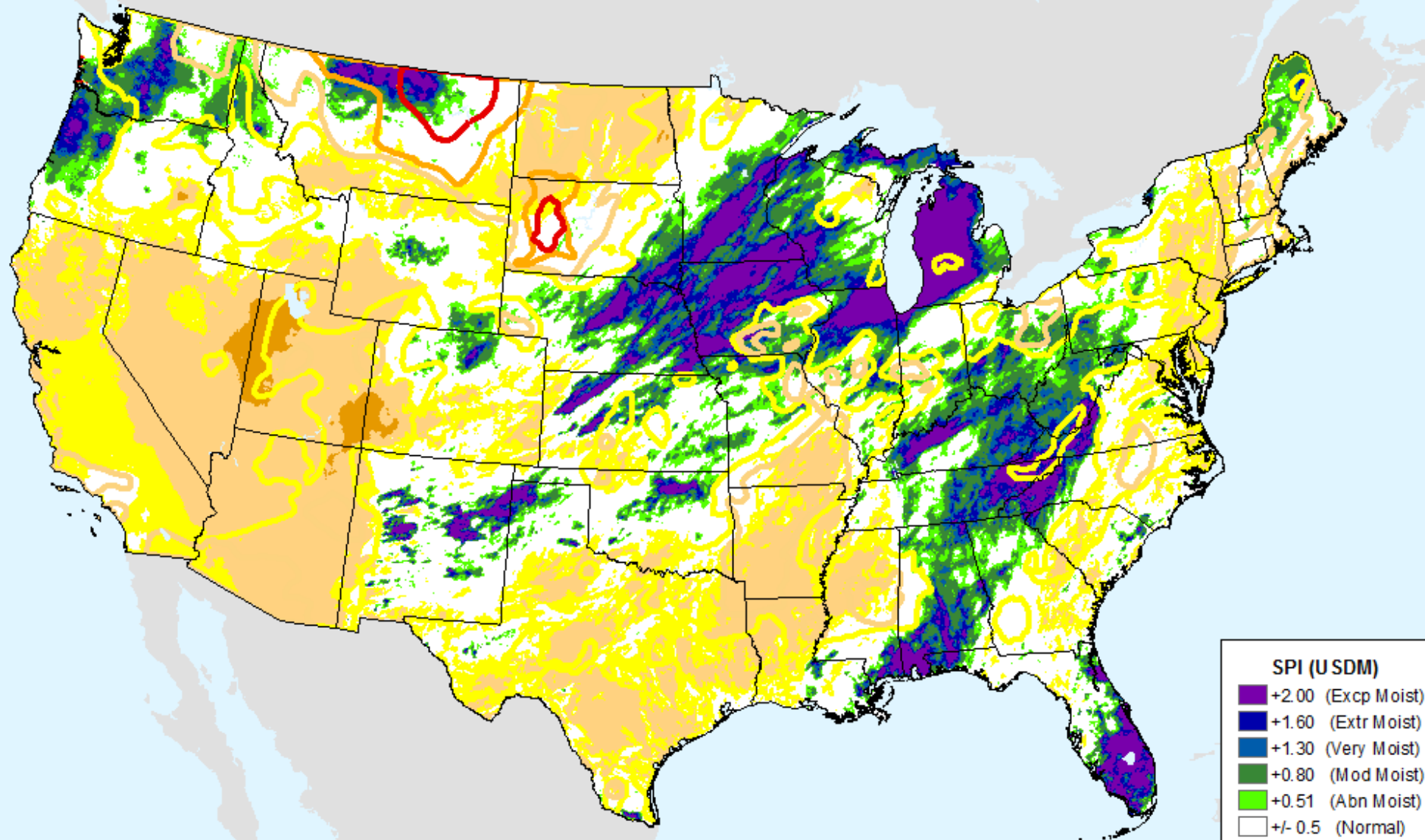
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

AHPS 1-month SPI

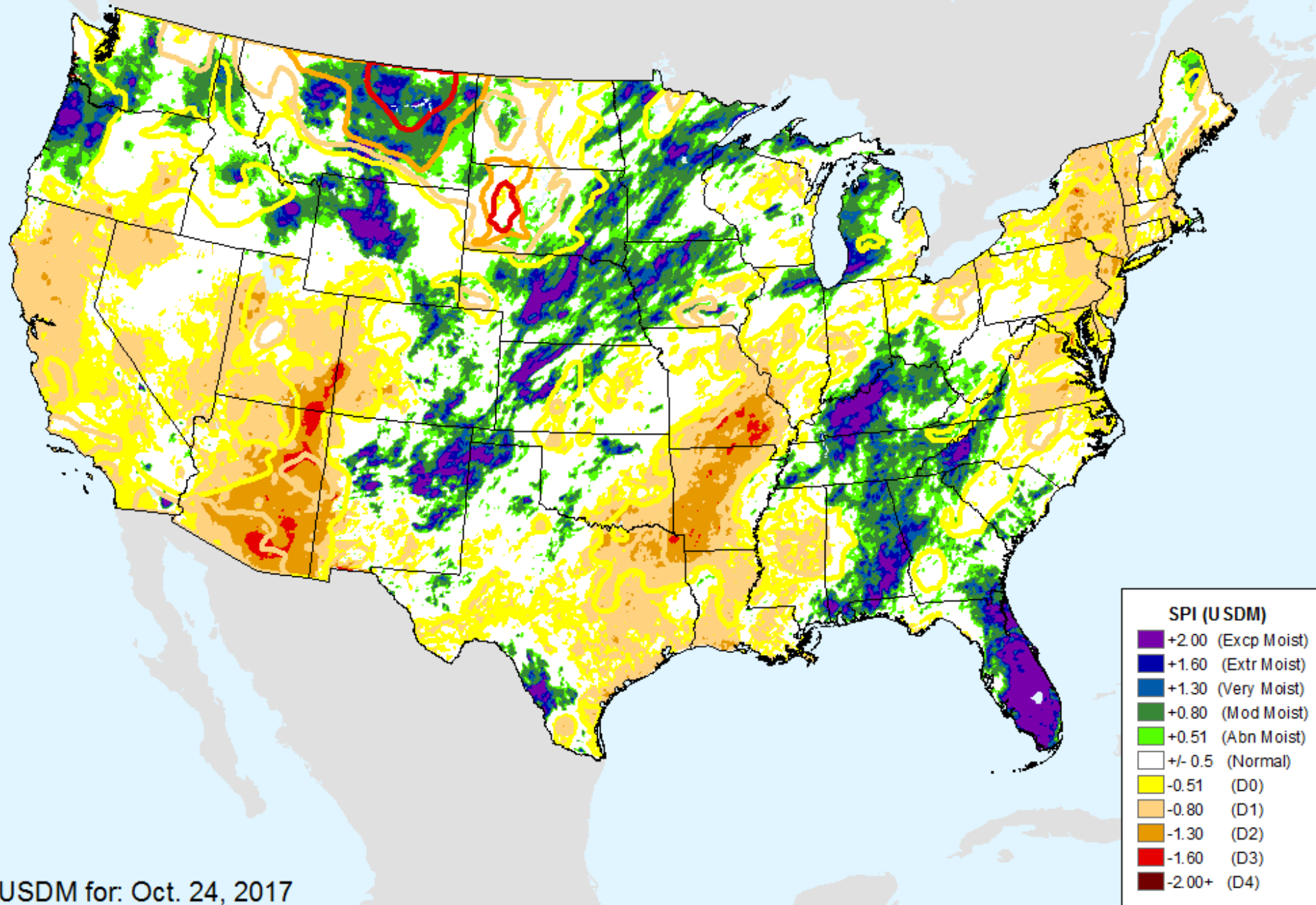
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

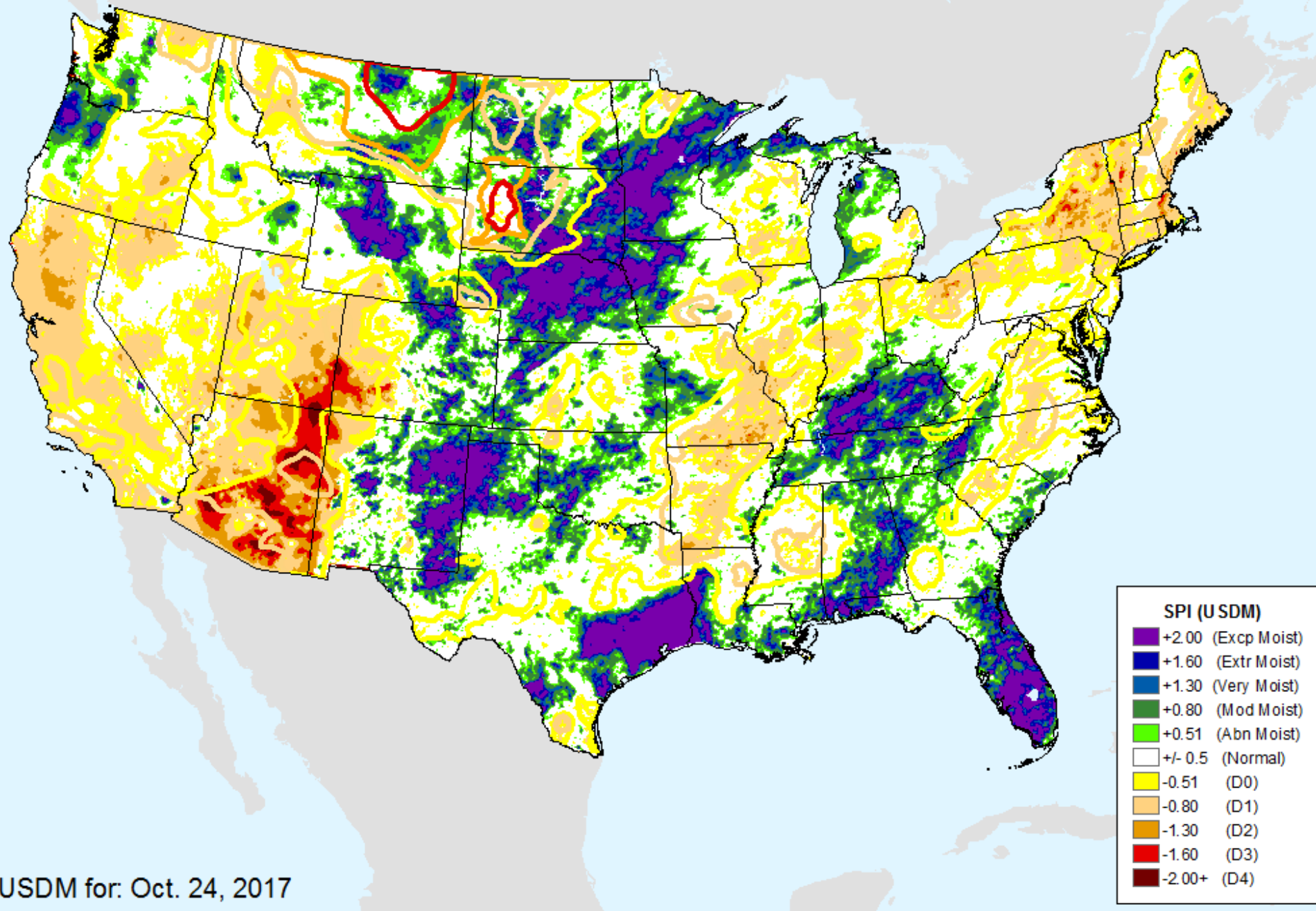
AHPS 2-month SPI

As of: Tuesday, October 31, 2017



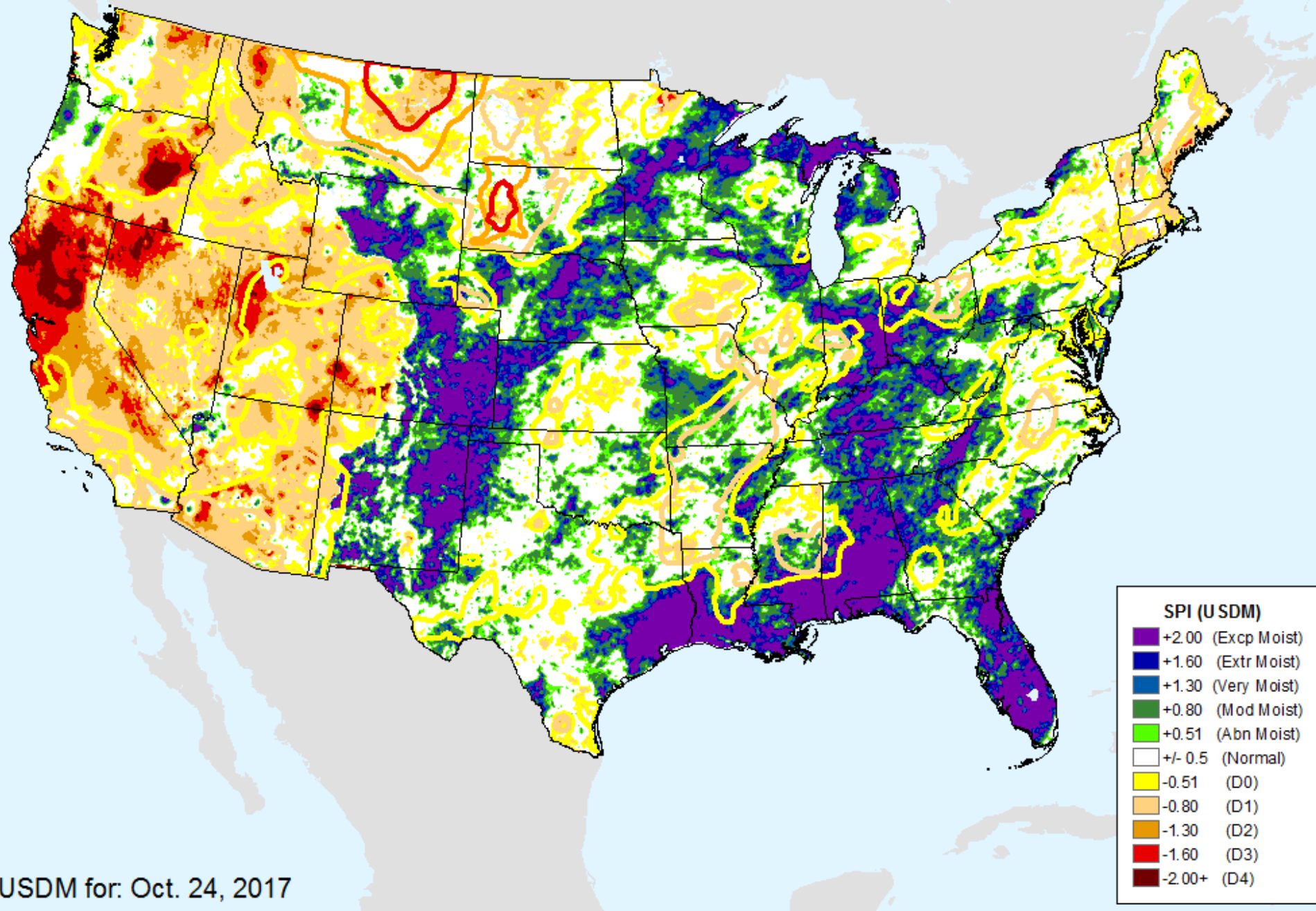
AHPS 3-month SPI

As of: Tuesday, October 31, 2017



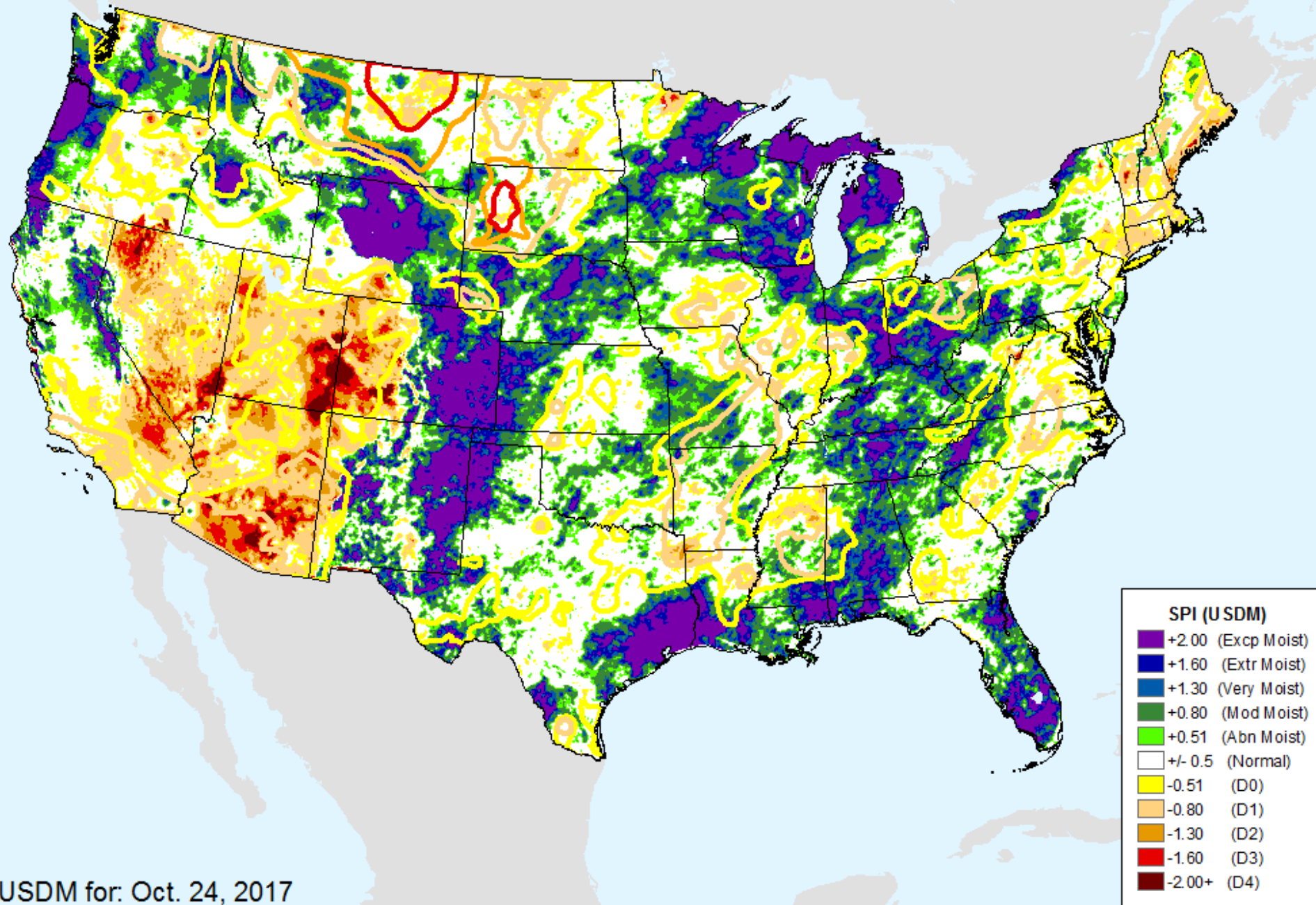
AHPS 6-month SPI

As of: Tuesday, October 31, 2017



AHPS 9-month SPI

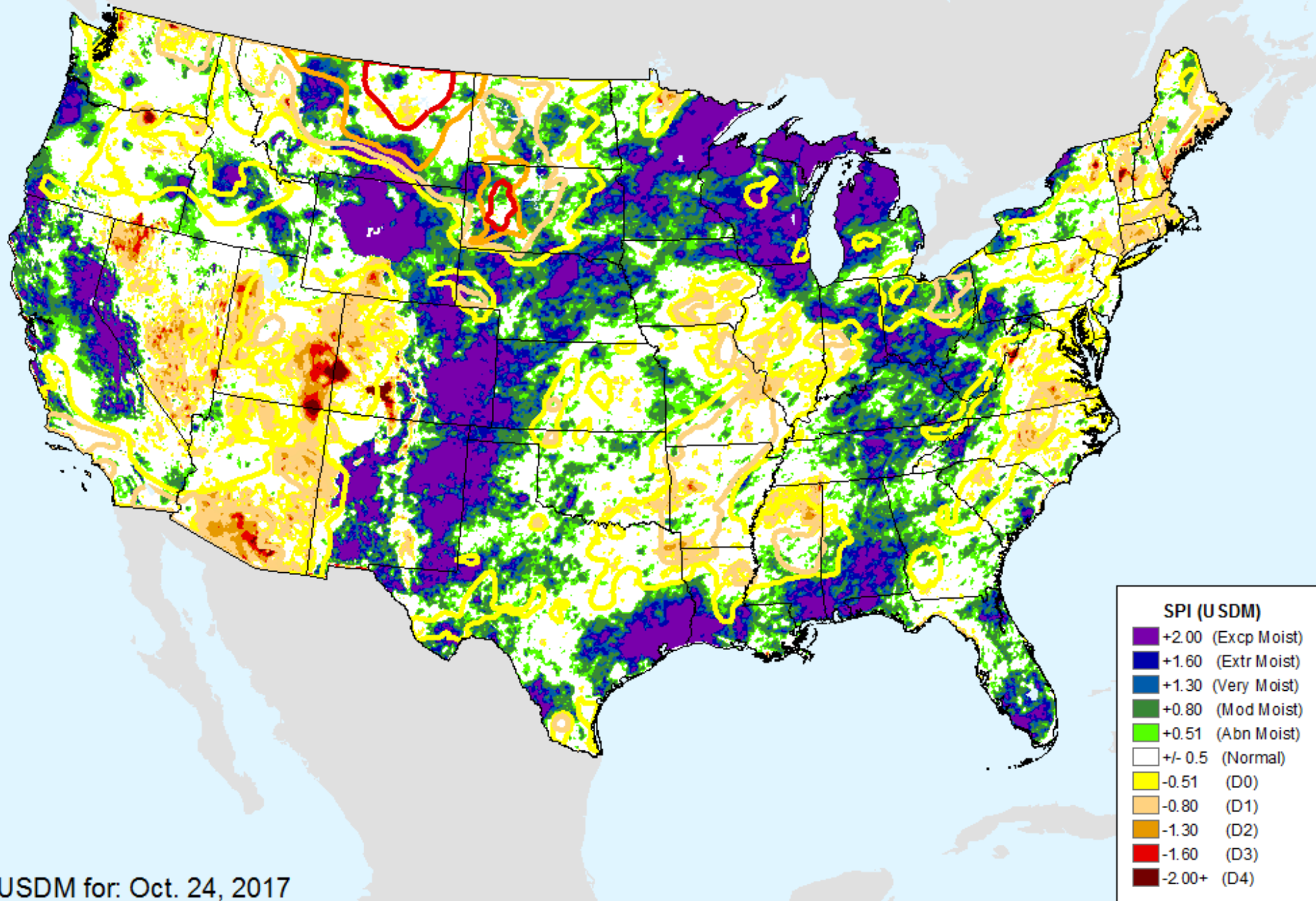
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

AHPS 12-month SPI

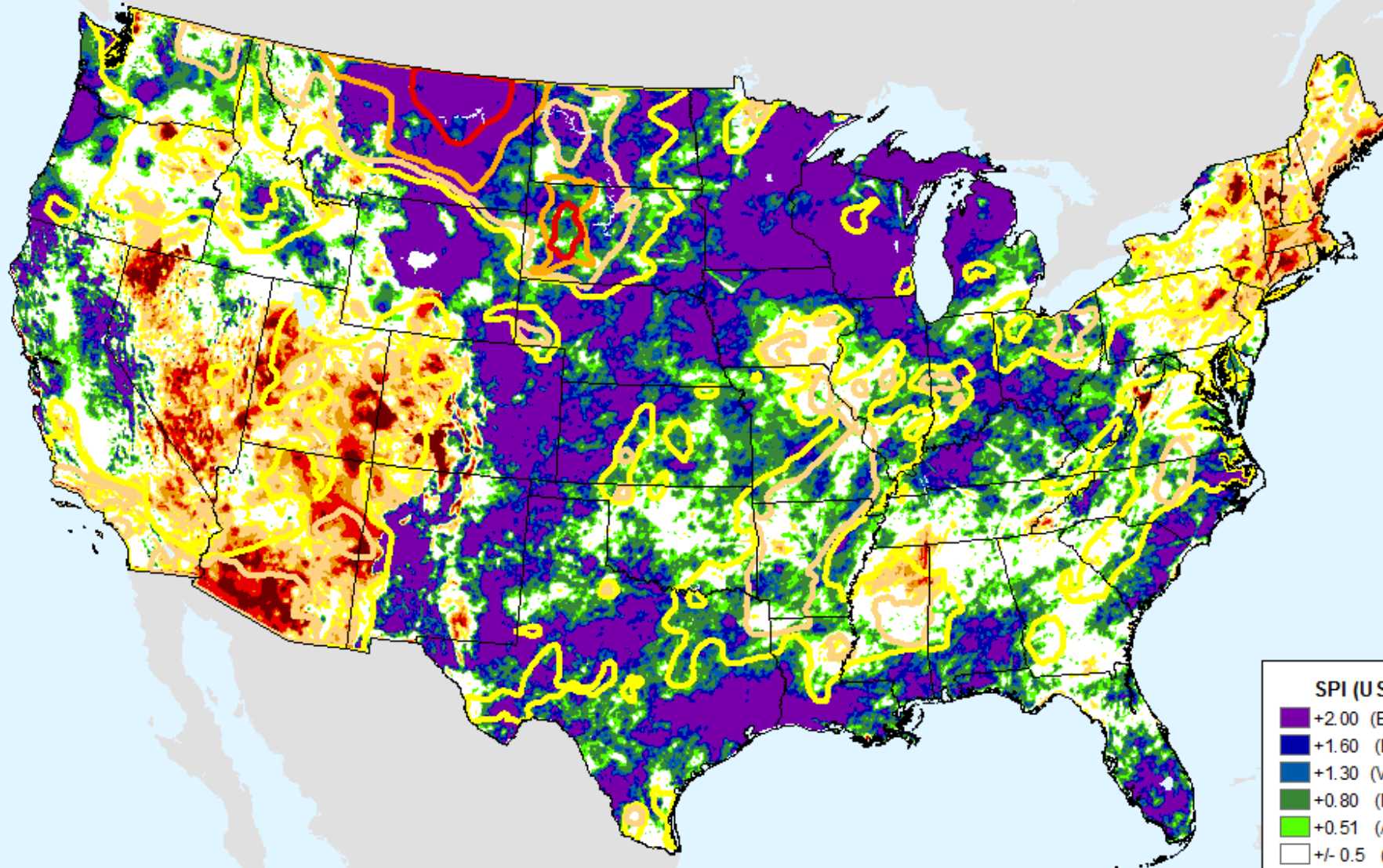
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

AHPS 24-month SPI

As of: Tuesday, October 31, 2017



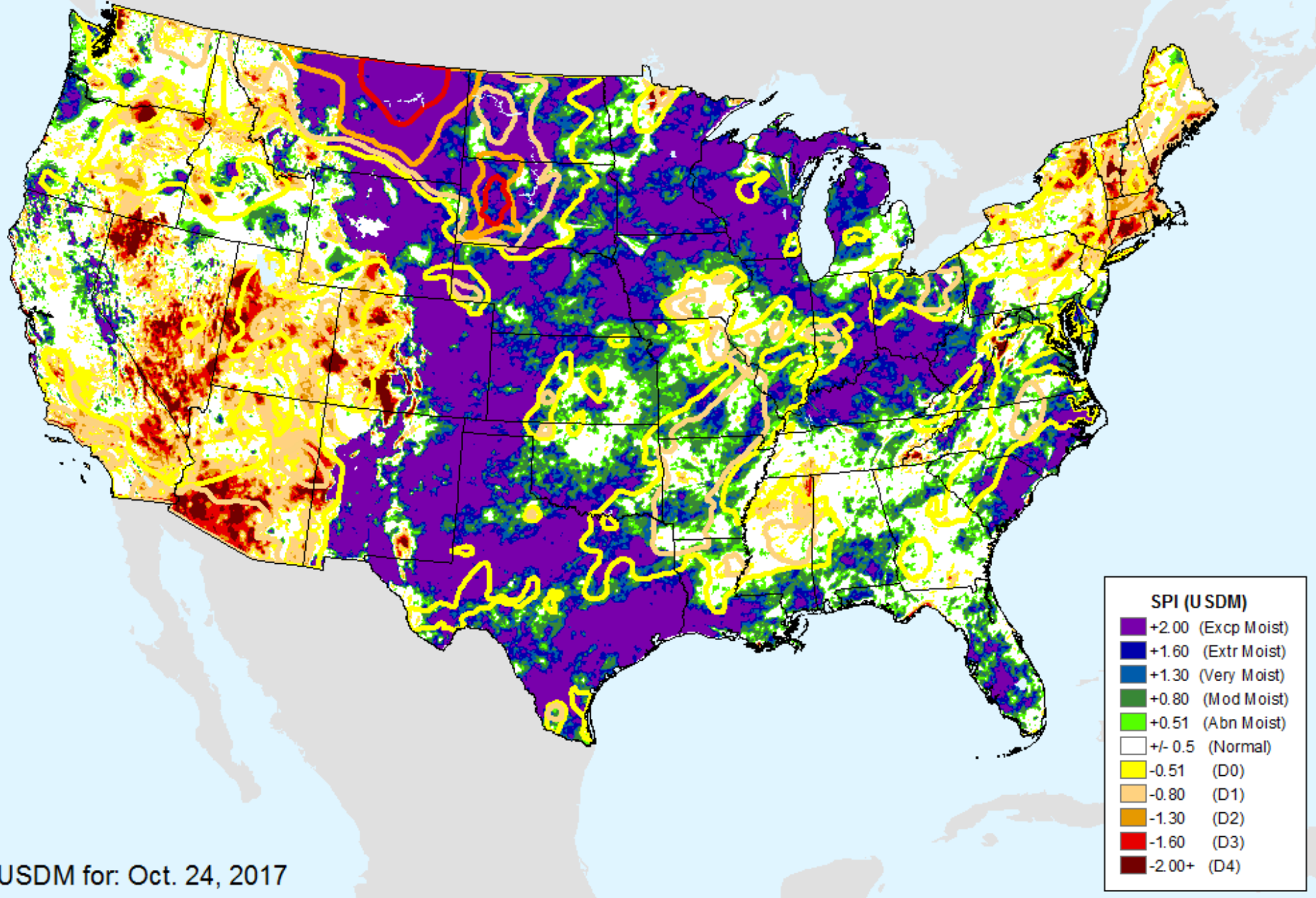
SPI (USDM)

- +2.00 (Excp Moist)
- +1.60 (Extr Moist)
- +1.30 (Very Moist)
- +0.80 (Mod Moist)
- +0.51 (Abn Moist)
- +/- 0.5 (Normal)
- 0.51 (D0)
- 0.80 (D1)
- 1.30 (D2)
- 1.60 (D3)
- 2.00+ (D4)

USDM for: Oct. 24, 2017

AHPS 36-month SPI

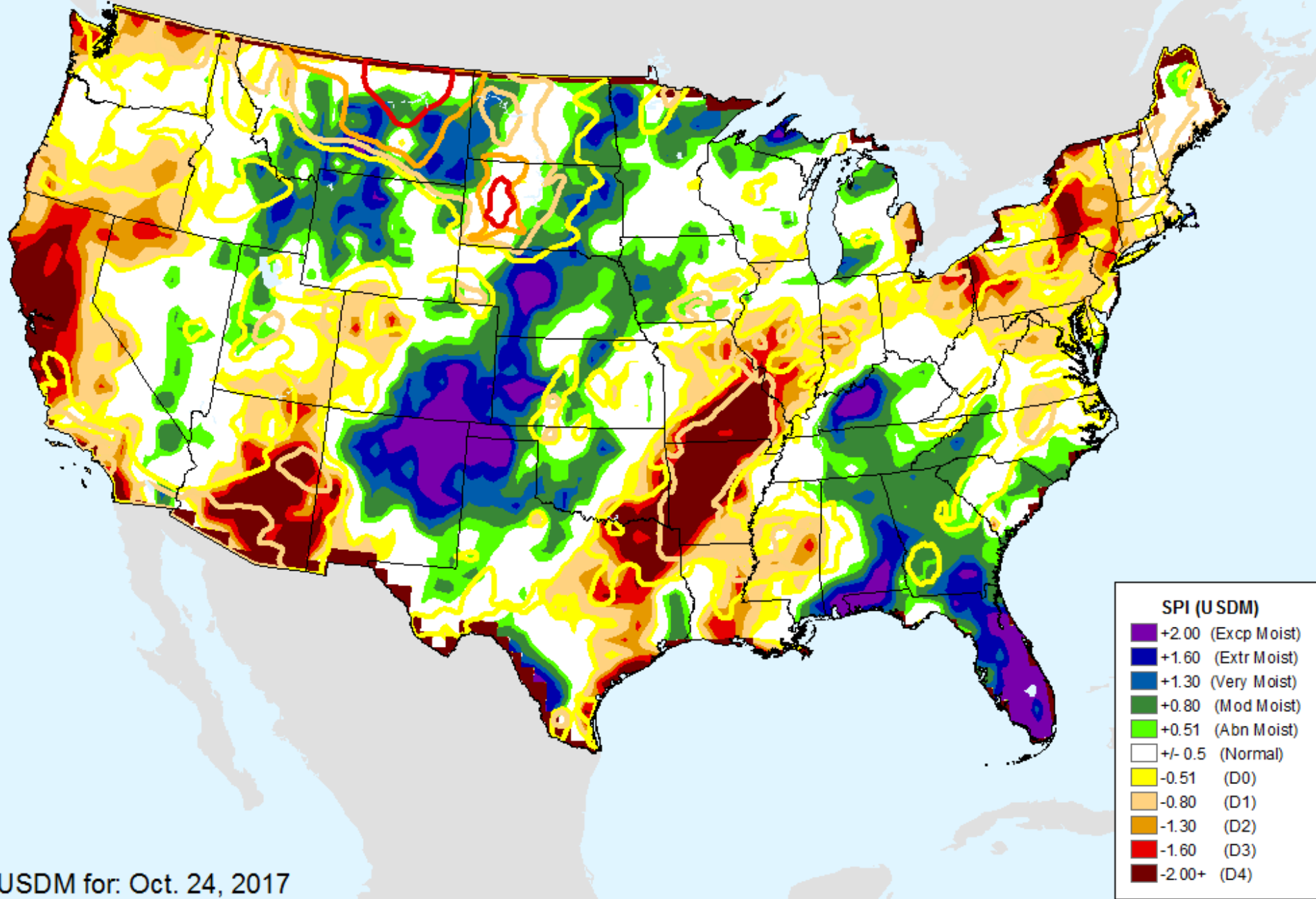
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

CPC 3-month SPI

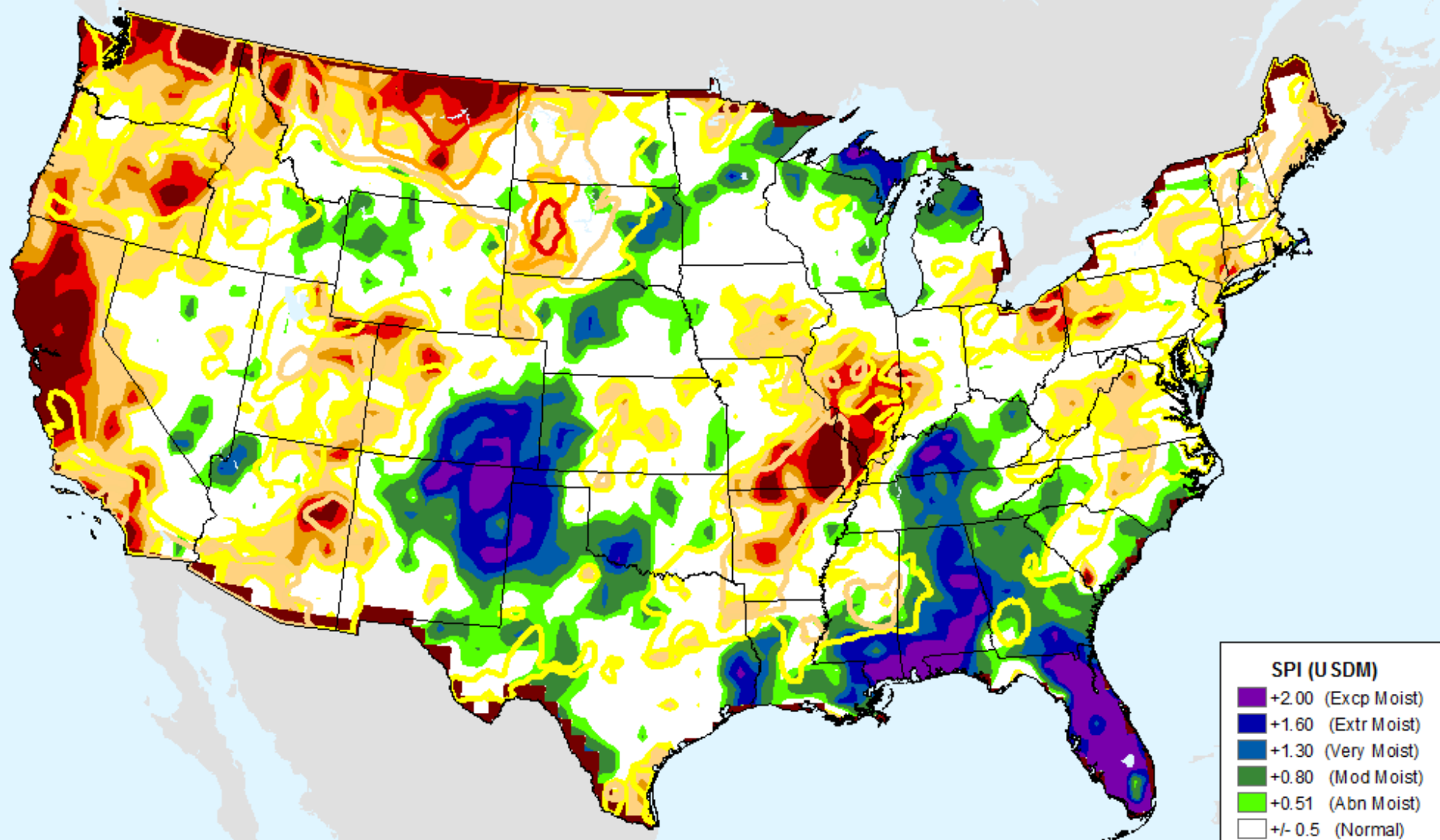
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

CPC 6-month SPI

As of: Tuesday, October 31, 2017

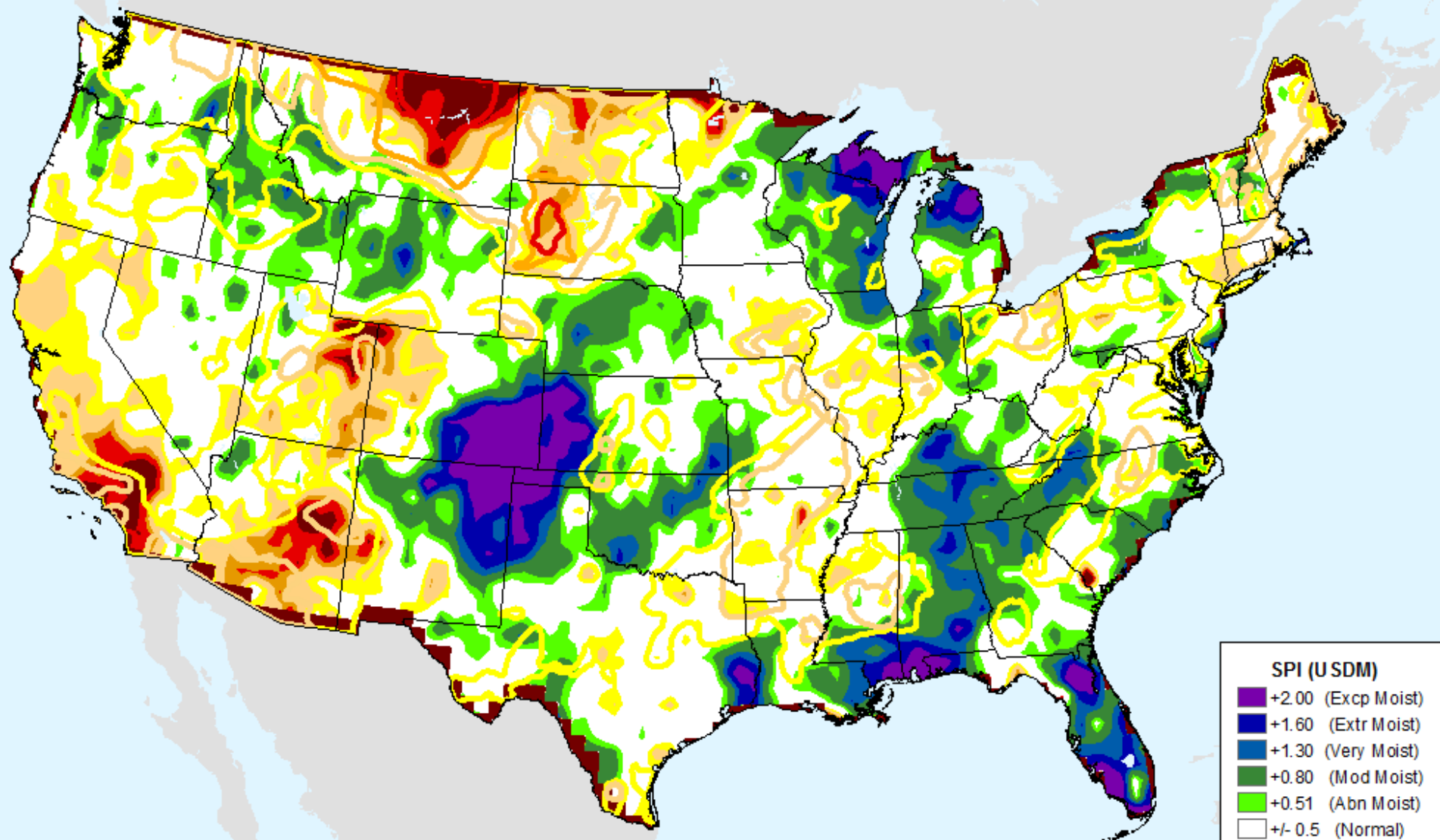


SPI (USDM)	
Dark Purple	+2.00 (Excp Moist)
Dark Blue	+1.60 (Extr Moist)
Blue	+1.30 (Very Moist)
Green	+0.80 (Mod Moist)
Light Green	+0.51 (Abn Moist)
White	+/- 0.5 (Normal)
Yellow	-0.51 (D0)
Light Orange	-0.80 (D1)
Orange	-1.30 (D2)
Red	-1.60 (D3)
Dark Red	-2.00+ (D4)

USDM for: Oct. 24, 2017

CPC 9-month SPI

As of: Tuesday, October 31, 2017

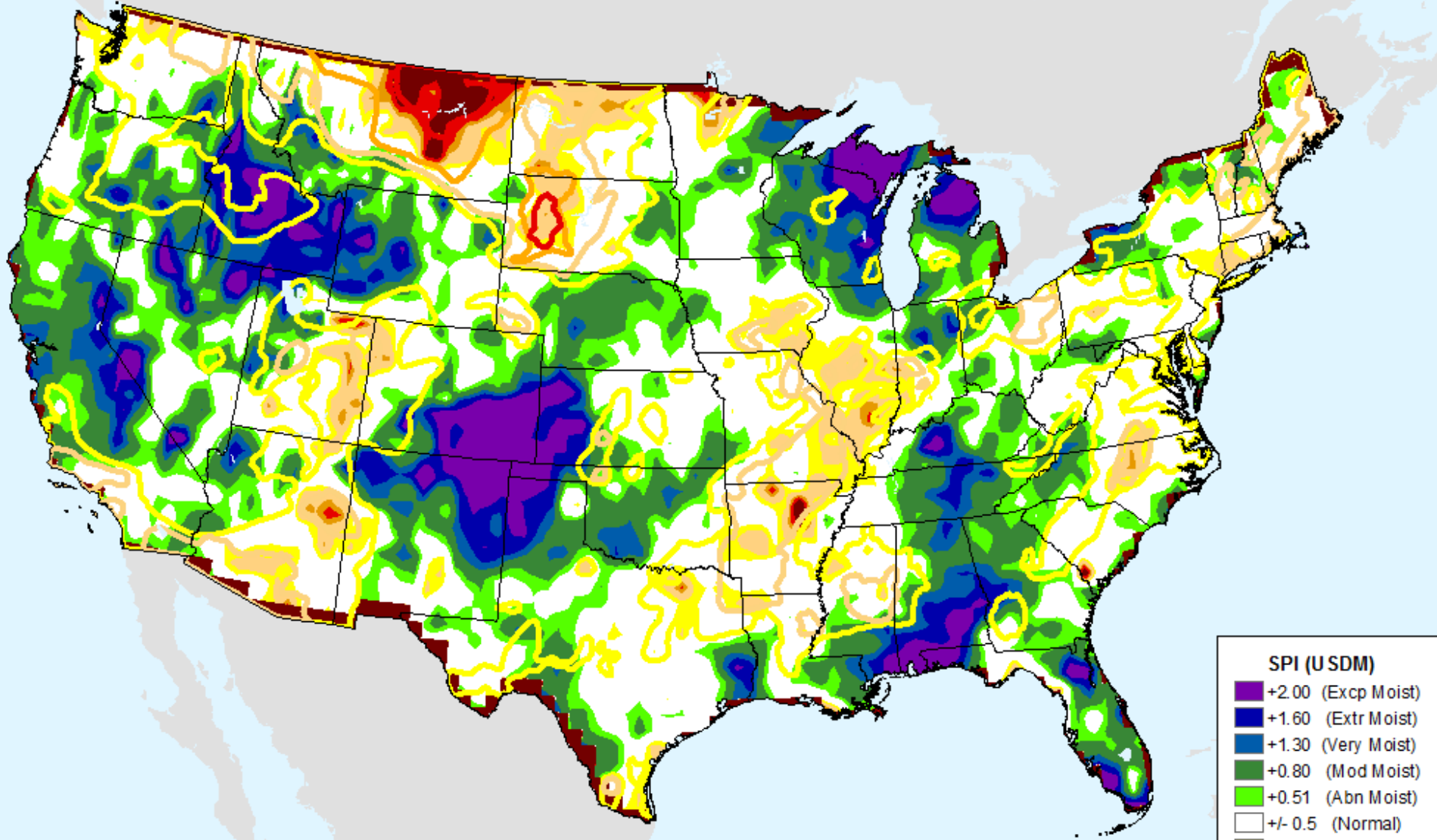


SPI (USDM)	
Dark Purple	+2.00 (Excp Moist)
Dark Blue	+1.60 (Extr Moist)
Blue	+1.30 (Very Moist)
Dark Green	+0.80 (Mod Moist)
Light Green	+0.51 (Abn Moist)
White	+/- 0.5 (Normal)
Yellow	-0.51 (D0)
Light Orange	-0.80 (D1)
Orange	-1.30 (D2)
Red	-1.60 (D3)
Dark Red	-2.00+ (D4)

USDM for: Oct. 24, 2017

CPC 12-month SPI

As of: Tuesday, October 31, 2017

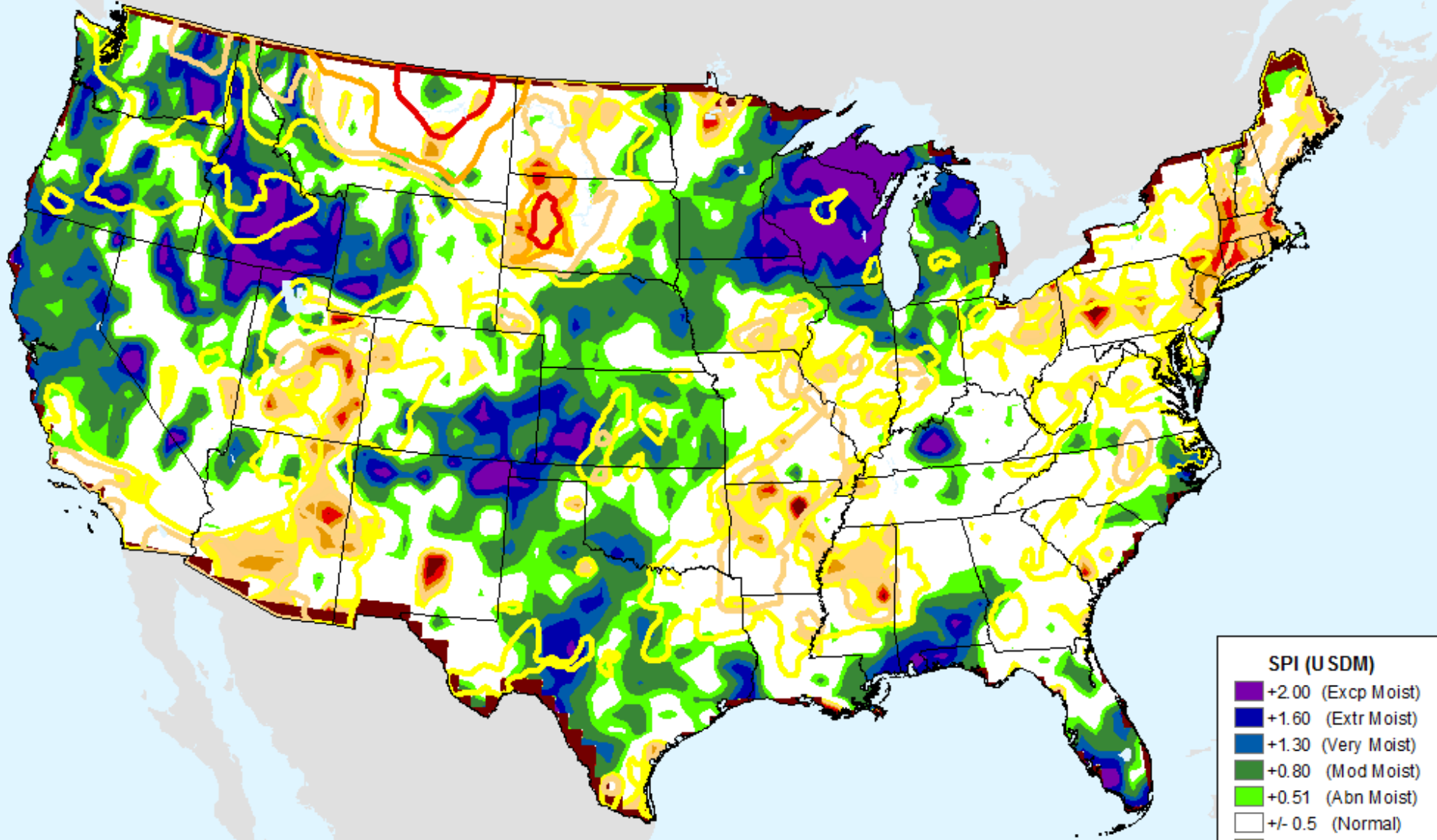


SPI (USDM)	
Dark Purple	+2.00 (Excp Moist)
Dark Blue	+1.60 (Extr Moist)
Blue	+1.30 (Very Moist)
Green	+0.80 (Mod Moist)
Light Green	+0.51 (Abn Moist)
White	+/- 0.5 (Normal)
Yellow	-0.51 (D0)
Light Orange	-0.80 (D1)
Orange	-1.30 (D2)
Red	-1.60 (D3)
Dark Red	-2.00+ (D4)

USDM for: Oct. 24, 2017

CPC 24-month SPI

As of: Tuesday, October 31, 2017

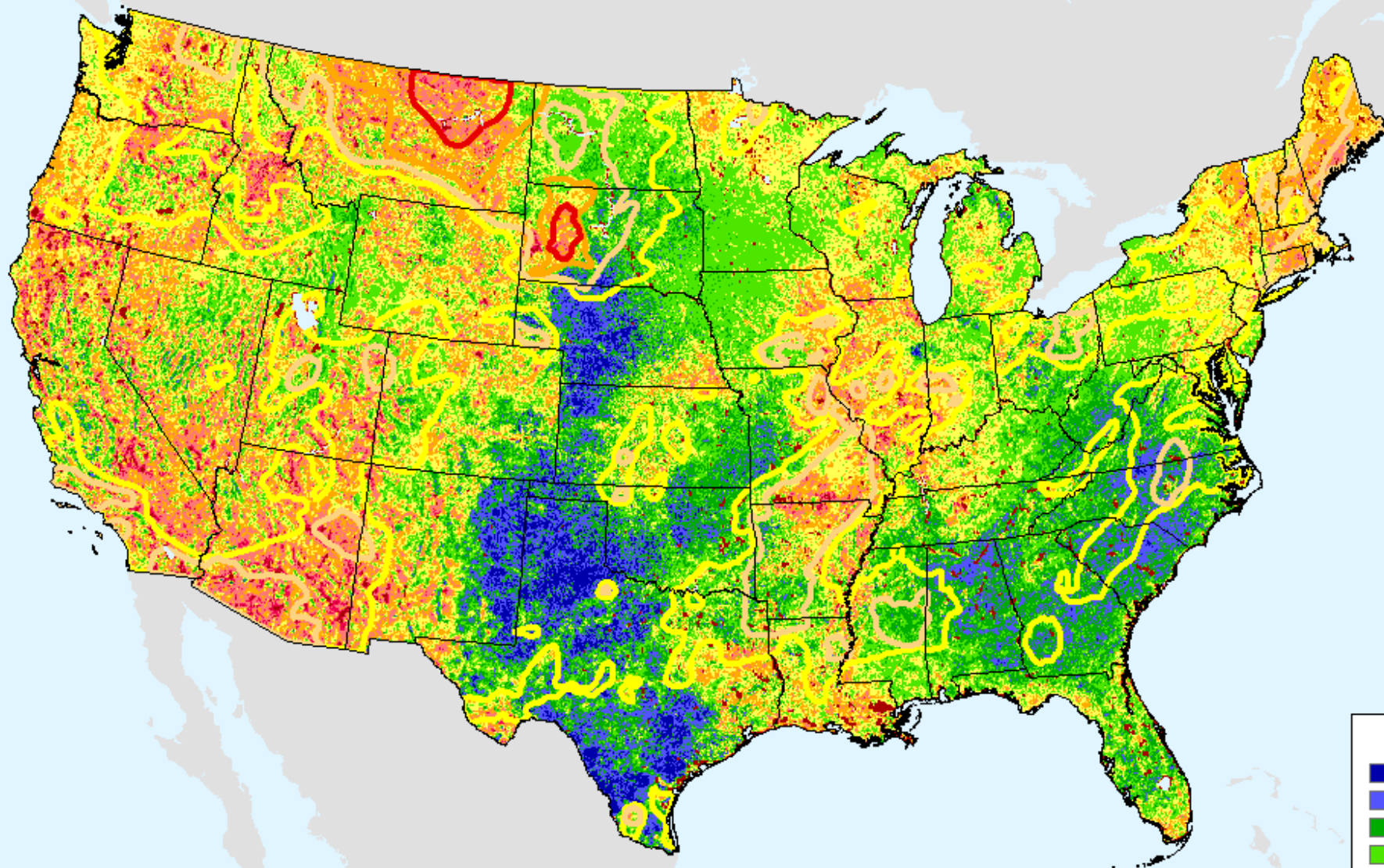


SPI (USDM)	
Dark Purple	+2.00 (Excp Moist)
Dark Blue	+1.60 (Extr Moist)
Blue	+1.30 (Very Moist)
Green	+0.80 (Mod Moist)
Light Green	+0.51 (Abn Moist)
White	+/- 0.5 (Normal)
Yellow	-0.51 (D0)
Light Orange	-0.80 (D1)
Orange	-1.30 (D2)
Red	-1.60 (D3)
Dark Red	-2.00+ (D4)

USDM for: Oct. 24, 2017

Vegetation Health Index

As of: Tuesday, October 31, 2017

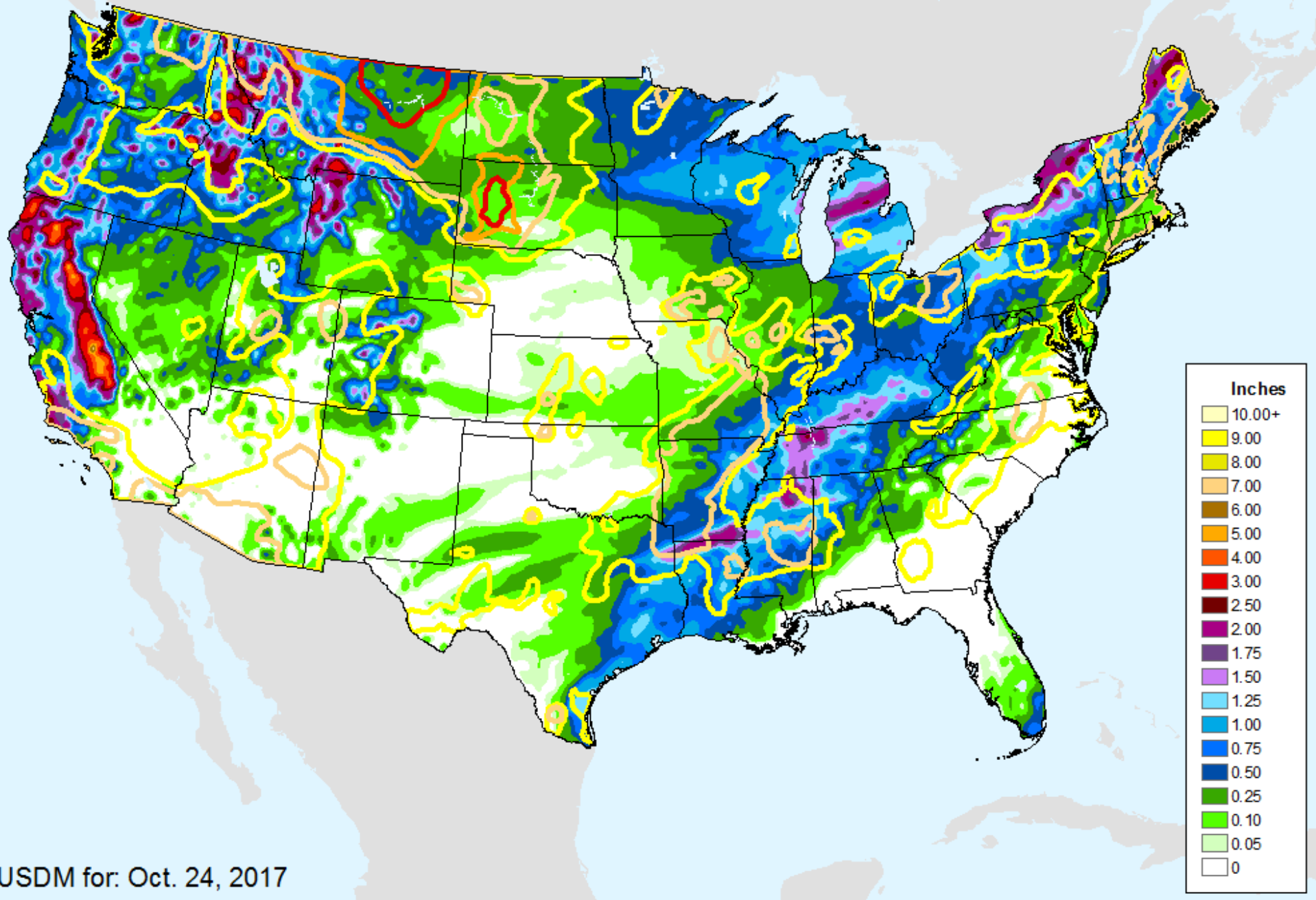


VHI	
85 - 100	Dark Blue
73 - 84	Blue
61 - 72	Green
49 - 60	Light Green
37 - 48	Yellow
25 - 36	Orange
13 - 24	Red
7 - 12	Dark Red
1 - 6	Black

USDM for: Oct. 24, 2017

GFS (00z) 7-Day Precip Forecast

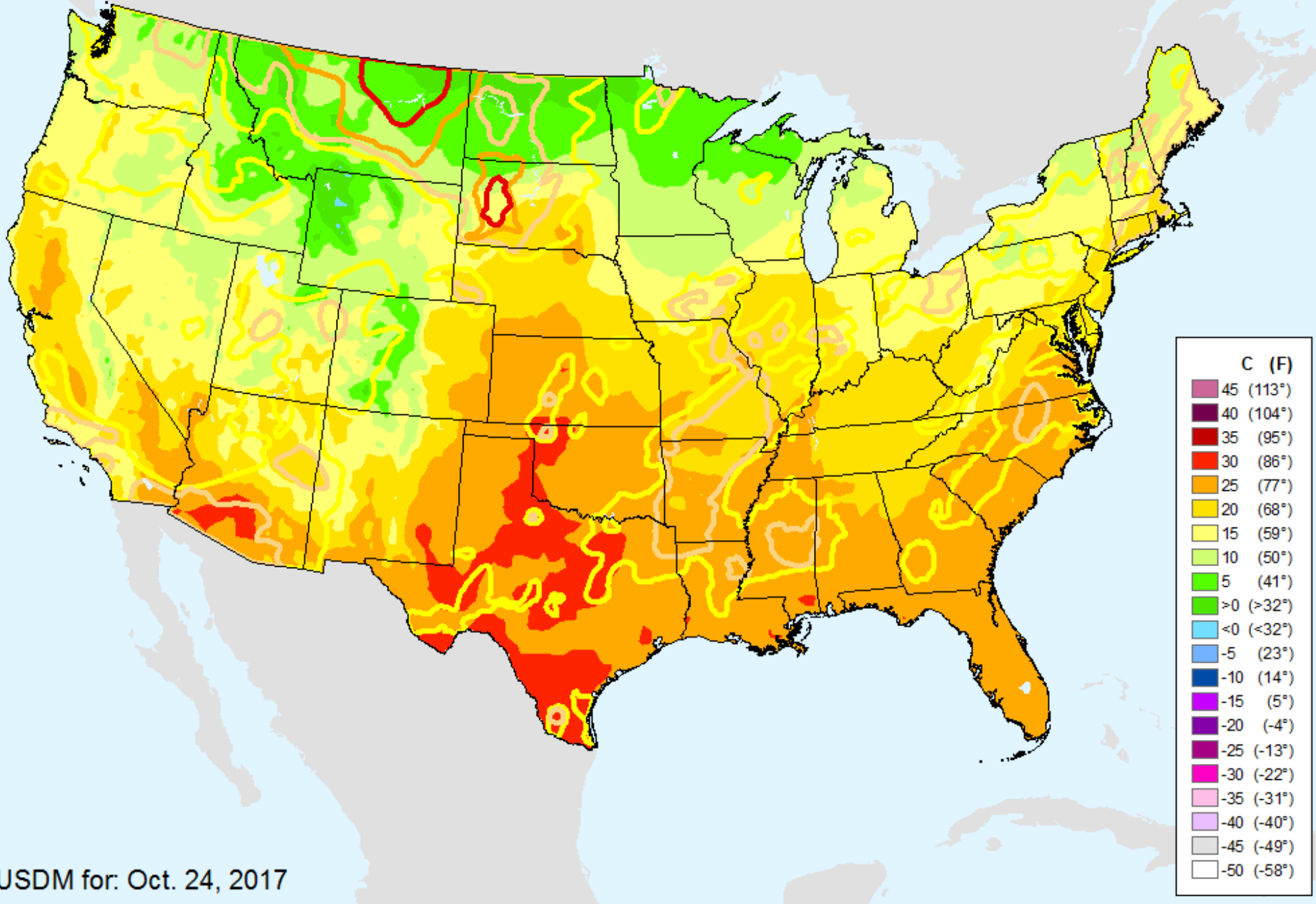
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

GFS (00z) 7-Day Max Temp Forecast

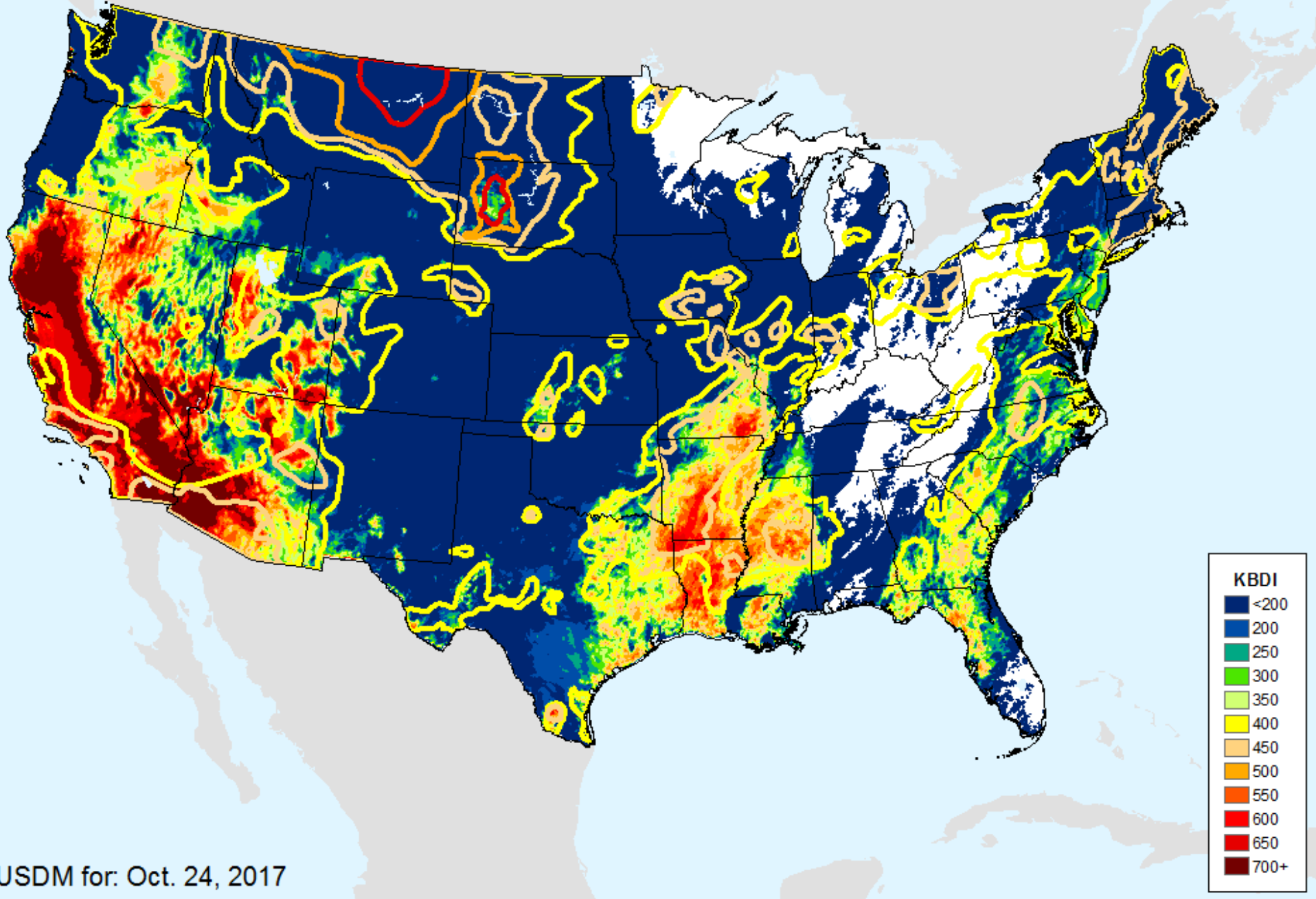
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

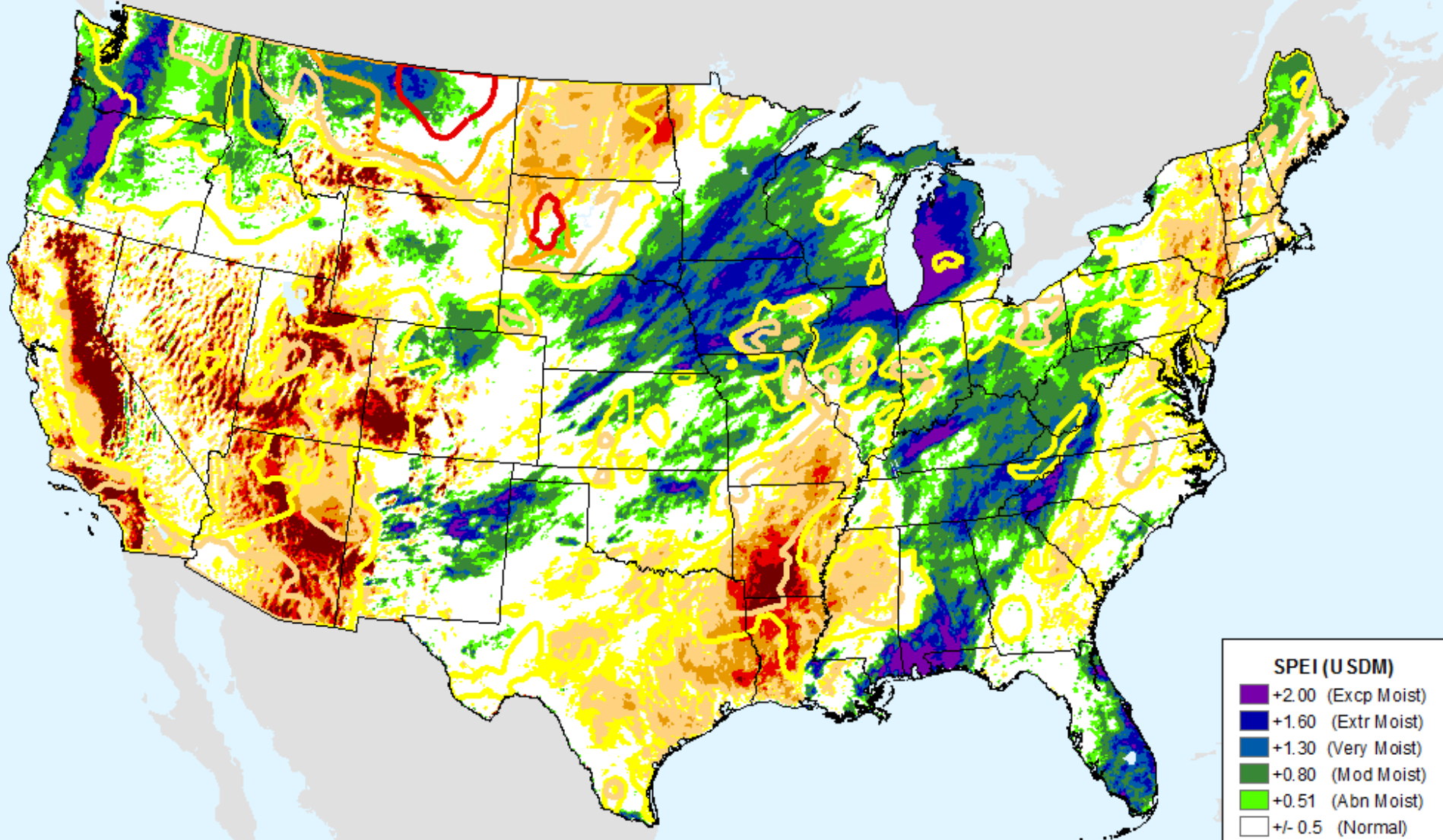
Keetch-Byram Drought Index (KBDI)

As of: Tuesday, October 31, 2017



AHPS 1-month SPEI

As of: Tuesday, October 31, 2017

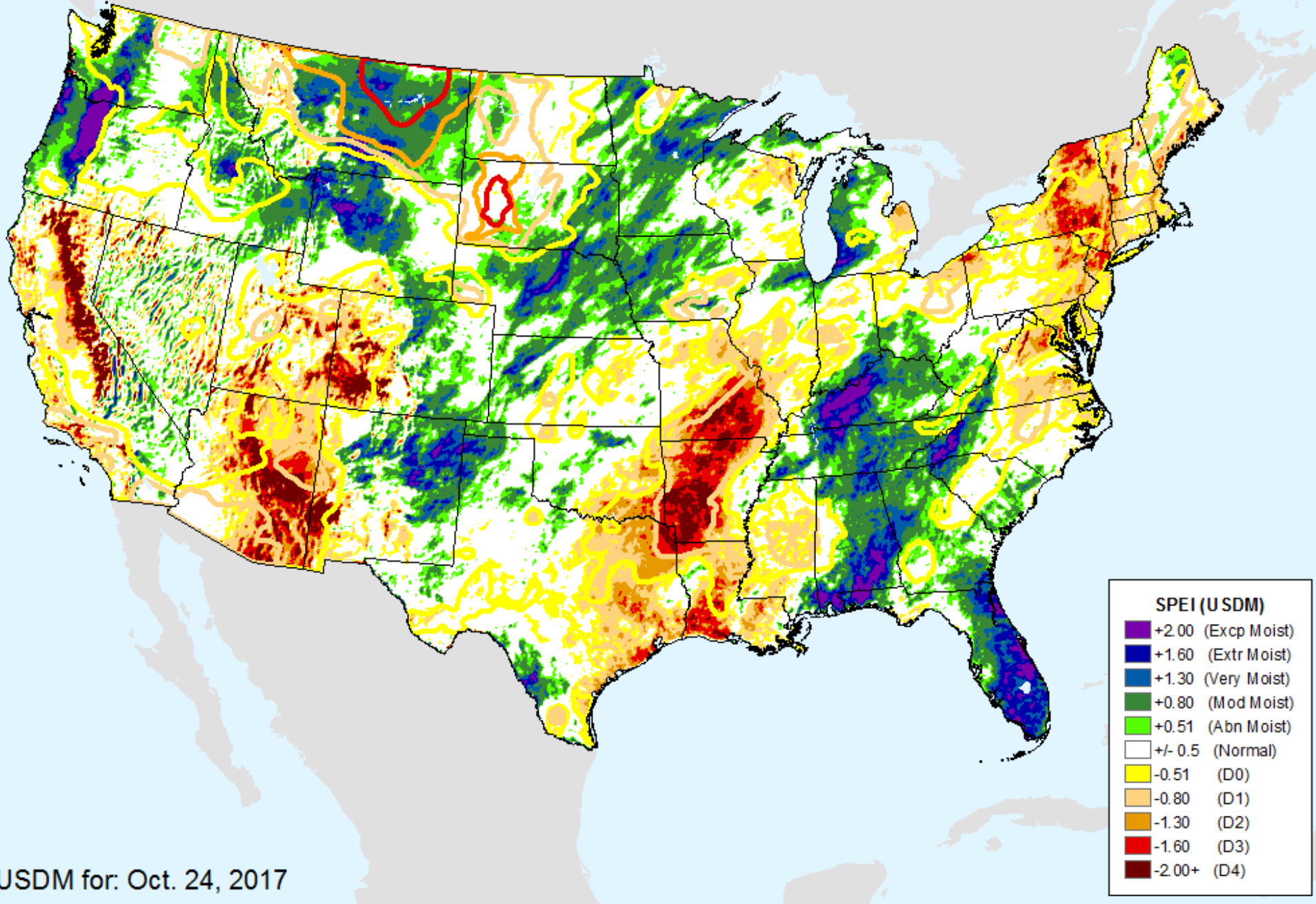


SPEI (USDM)	
Dark Purple	+2.00 (Excp Moist)
Dark Blue	+1.60 (Extr Moist)
Blue	+1.30 (Very Moist)
Green	+0.80 (Mod Moist)
Light Green	+0.51 (Abn Moist)
White	+/- 0.5 (Normal)
Yellow	-0.51 (D0)
Light Orange	-0.80 (D1)
Orange	-1.30 (D2)
Red	-1.60 (D3)
Dark Red	-2.00+ (D4)

USDM for: Oct. 24, 2017

AHPS 2-month SPEI

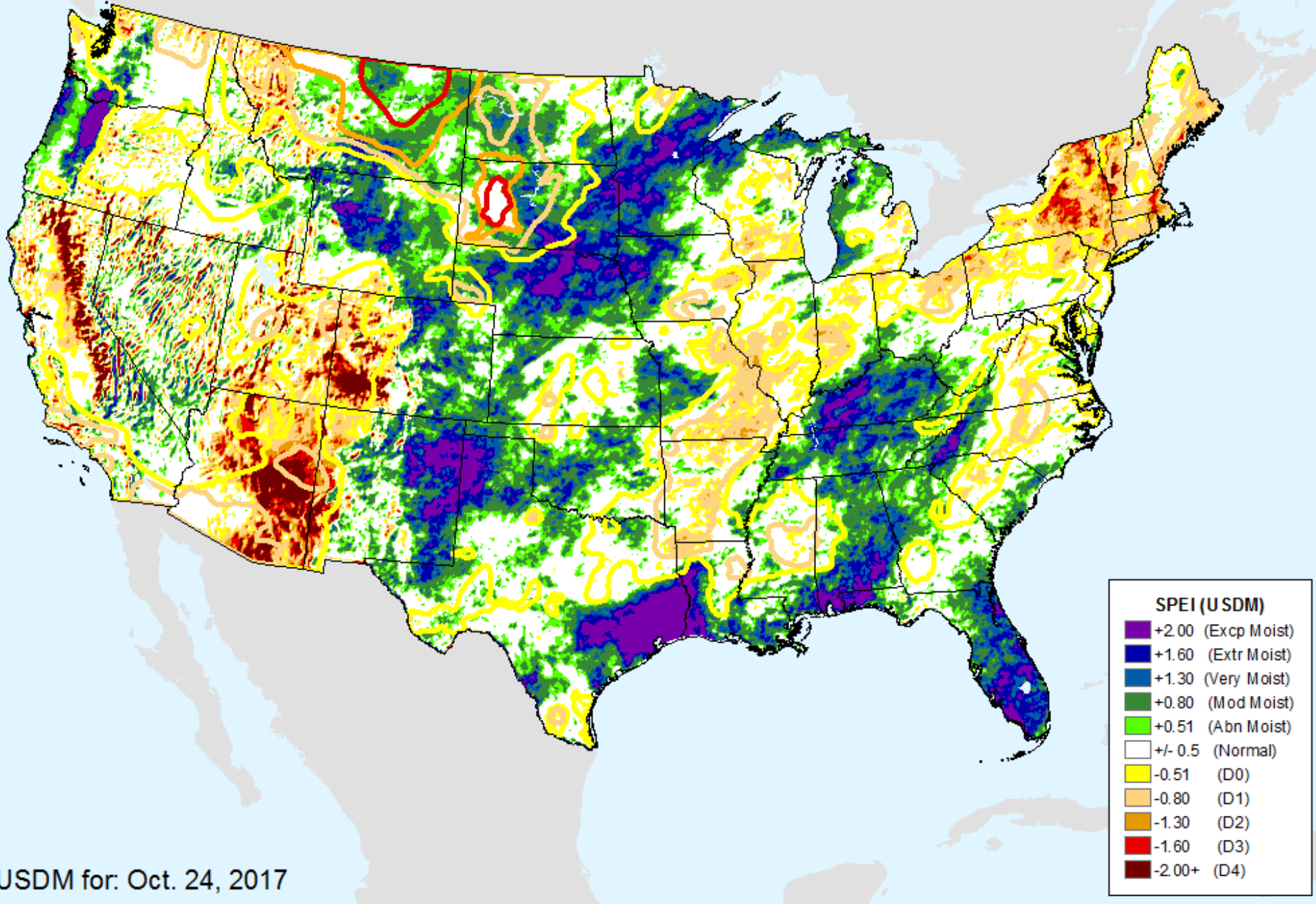
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

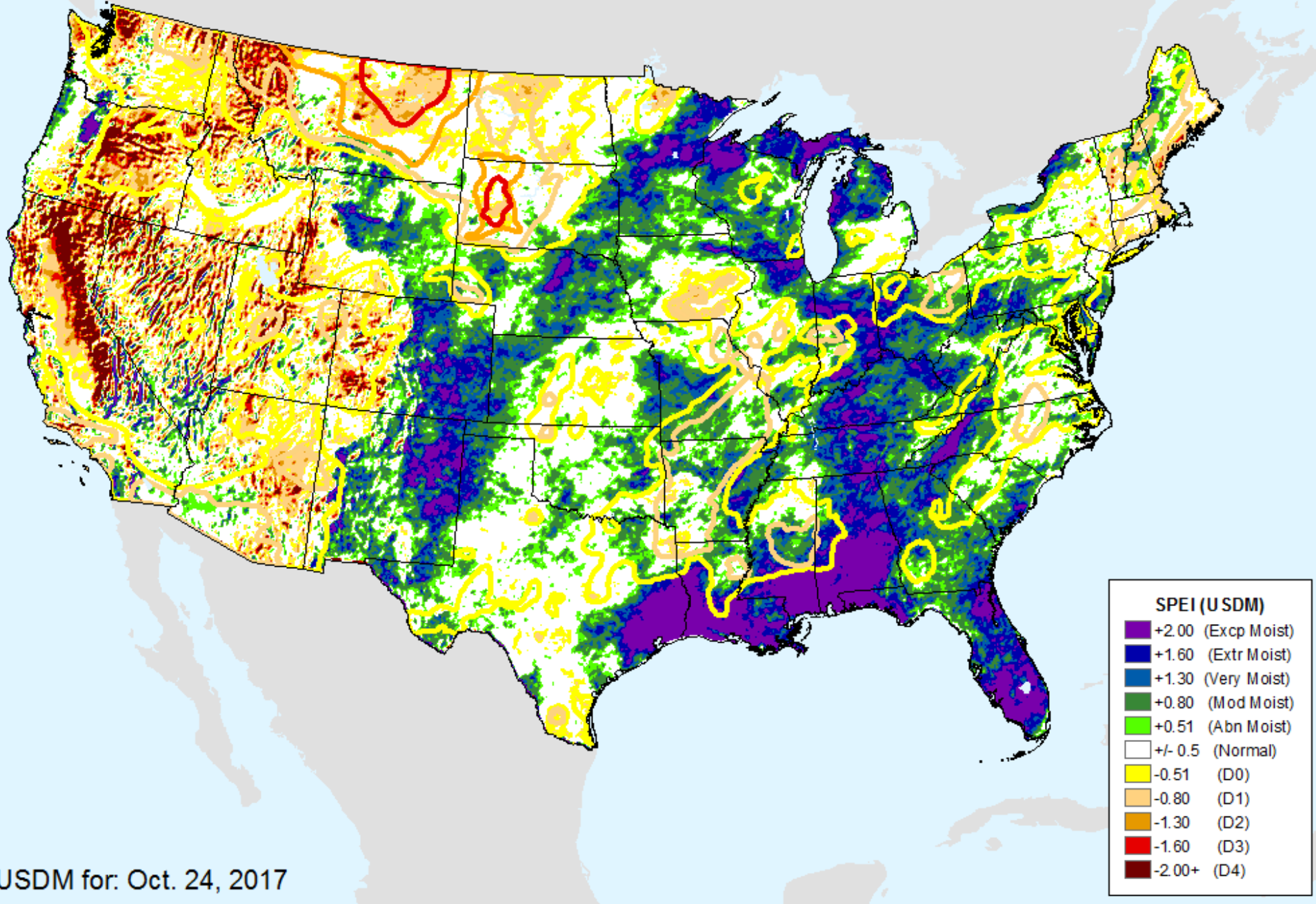
AHPS 3-month SPEI

As of: Tuesday, October 31, 2017



AHPS 6-month SPEI

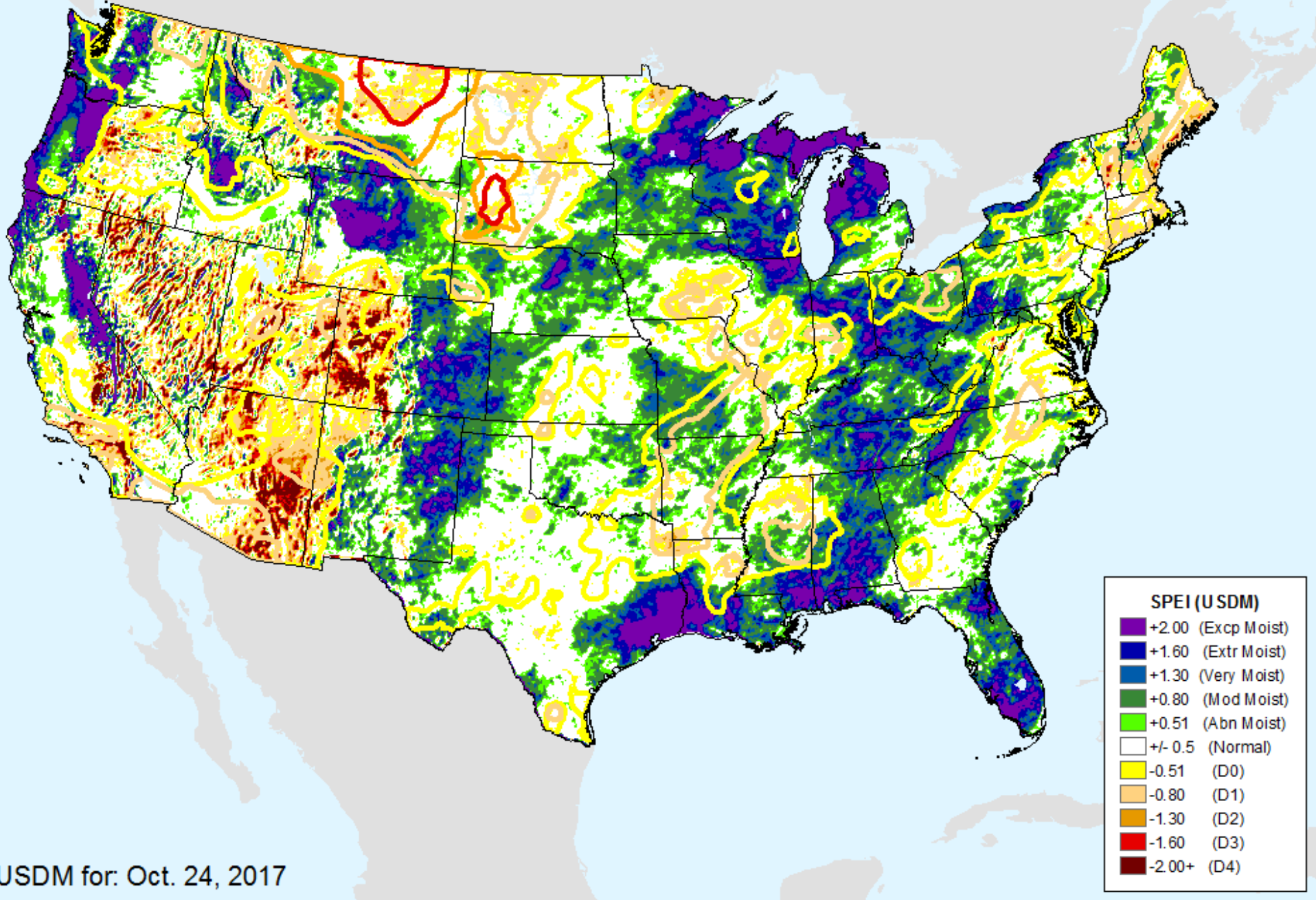
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

AHPS 9-month SPEI

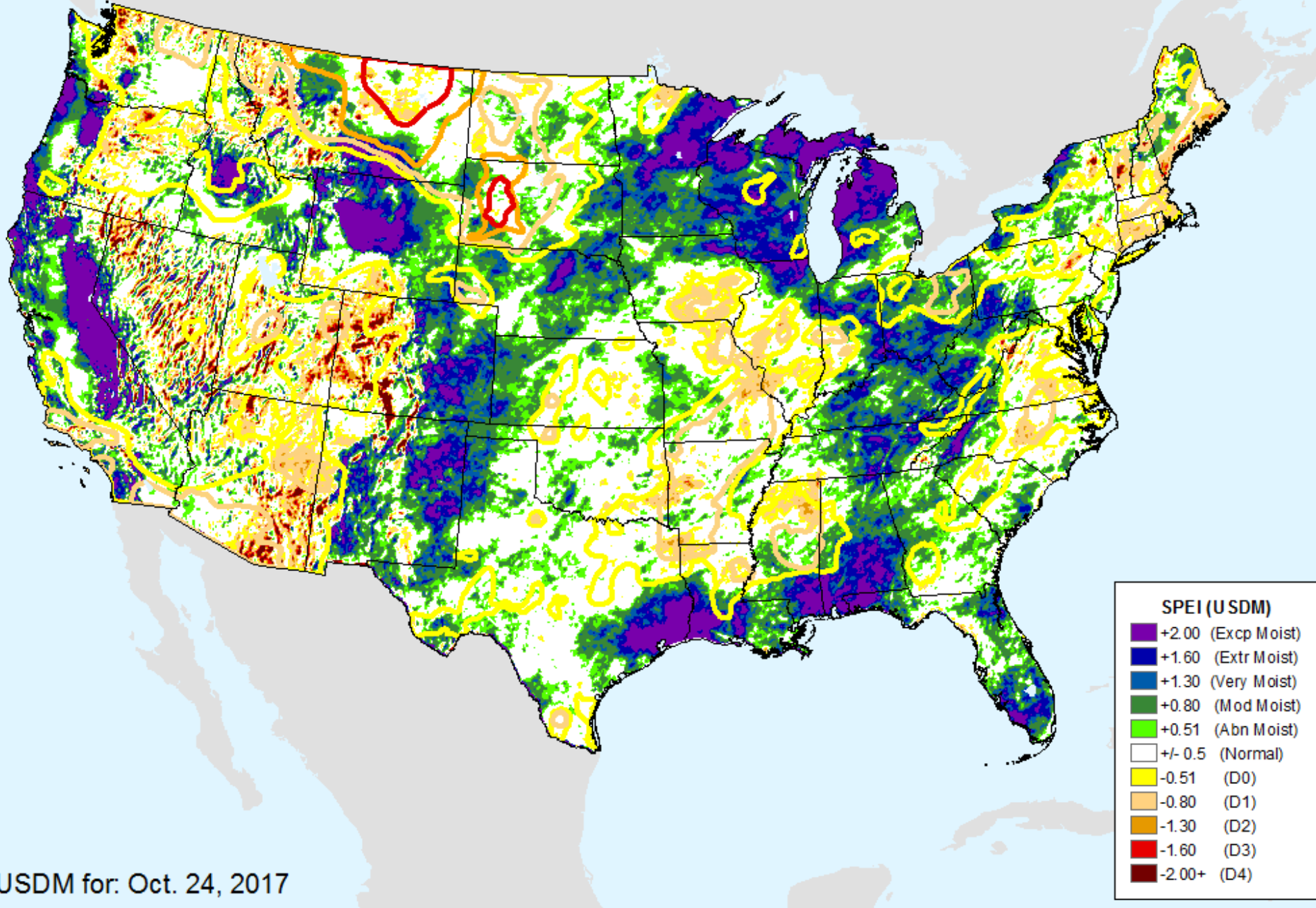
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

AHPS 12-month SPEI

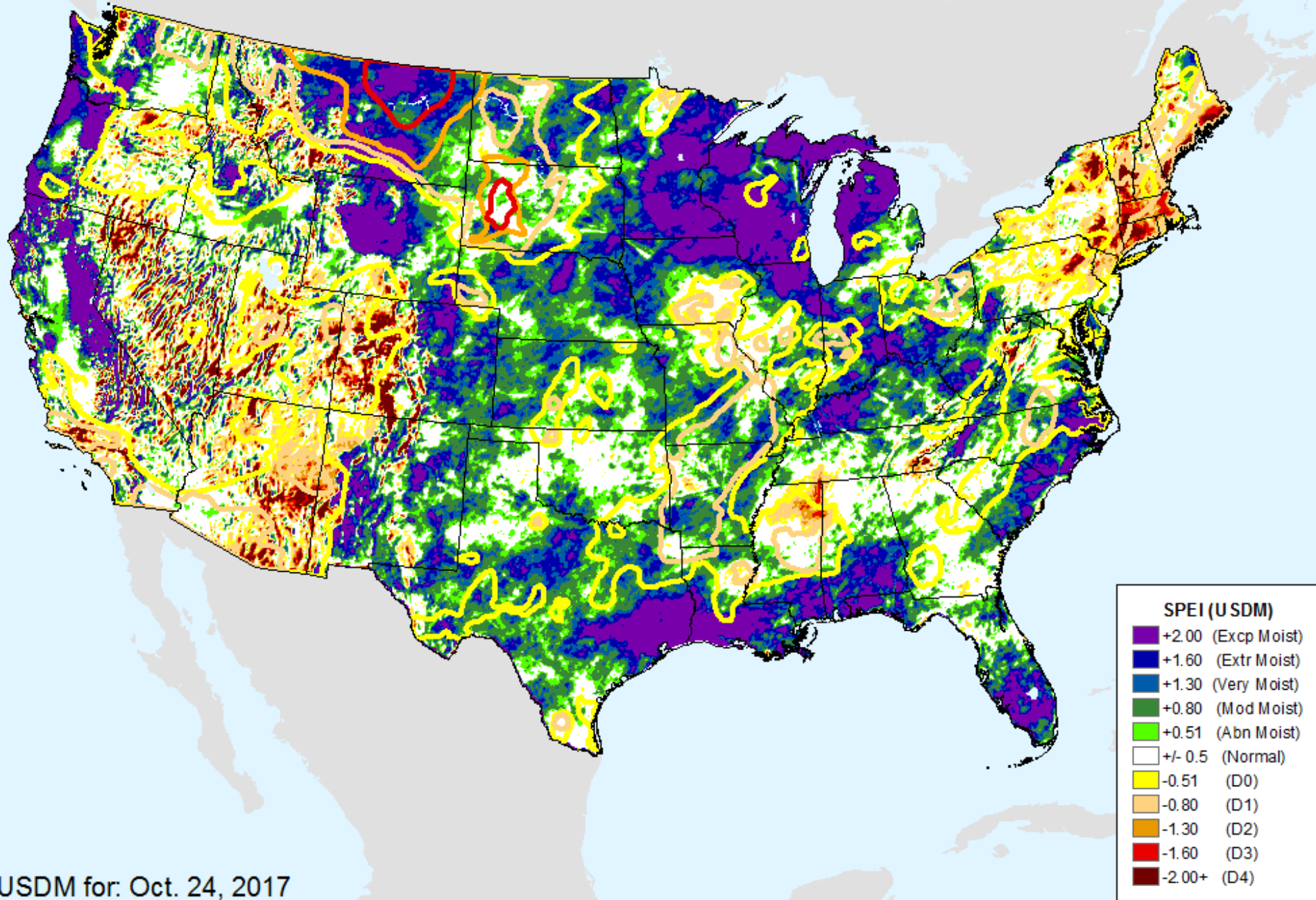
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

AHPS 24-month SPEI

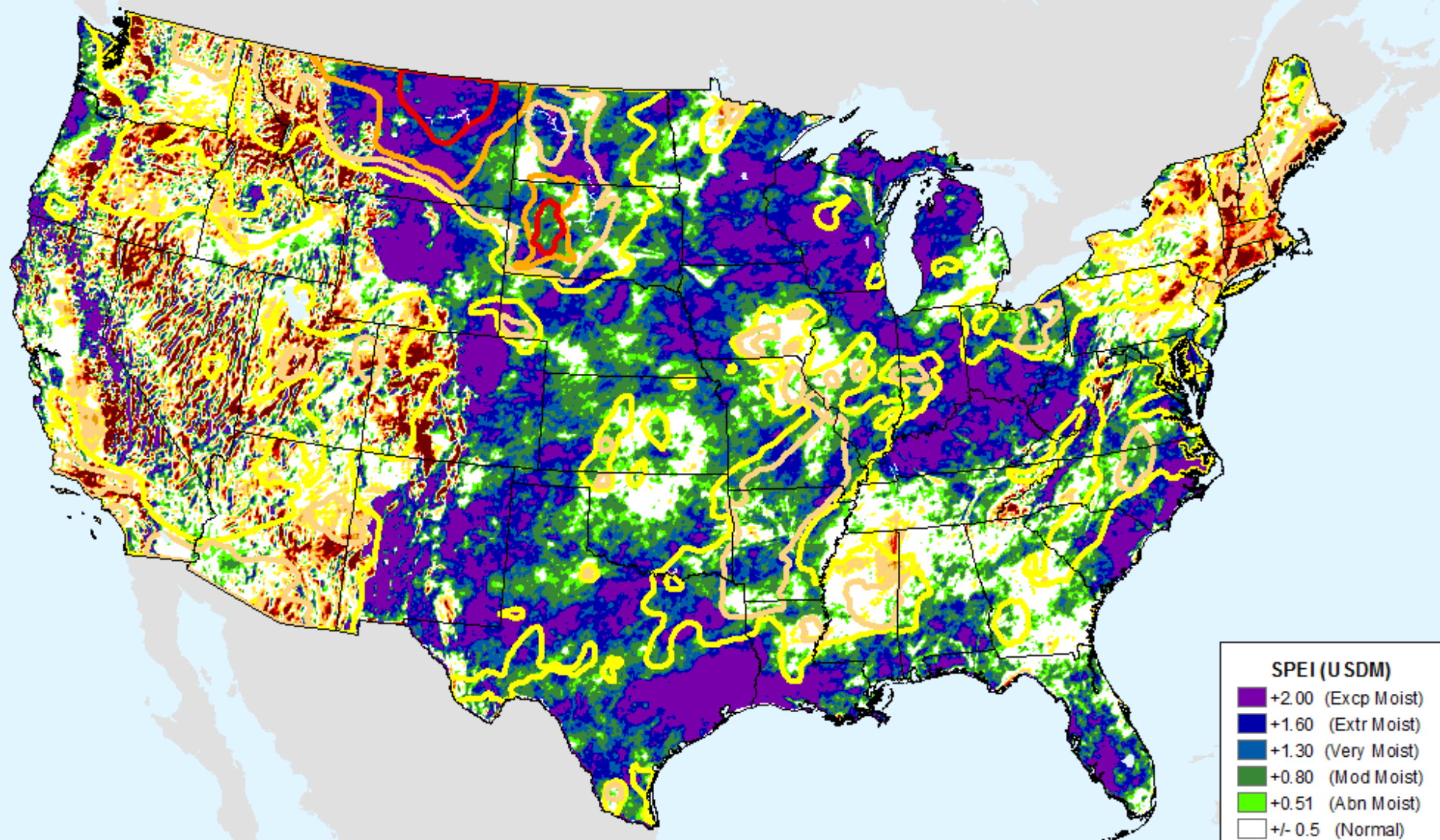
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

AHPS 36-month SPEI

As of: Tuesday, October 31, 2017

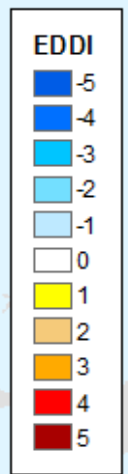
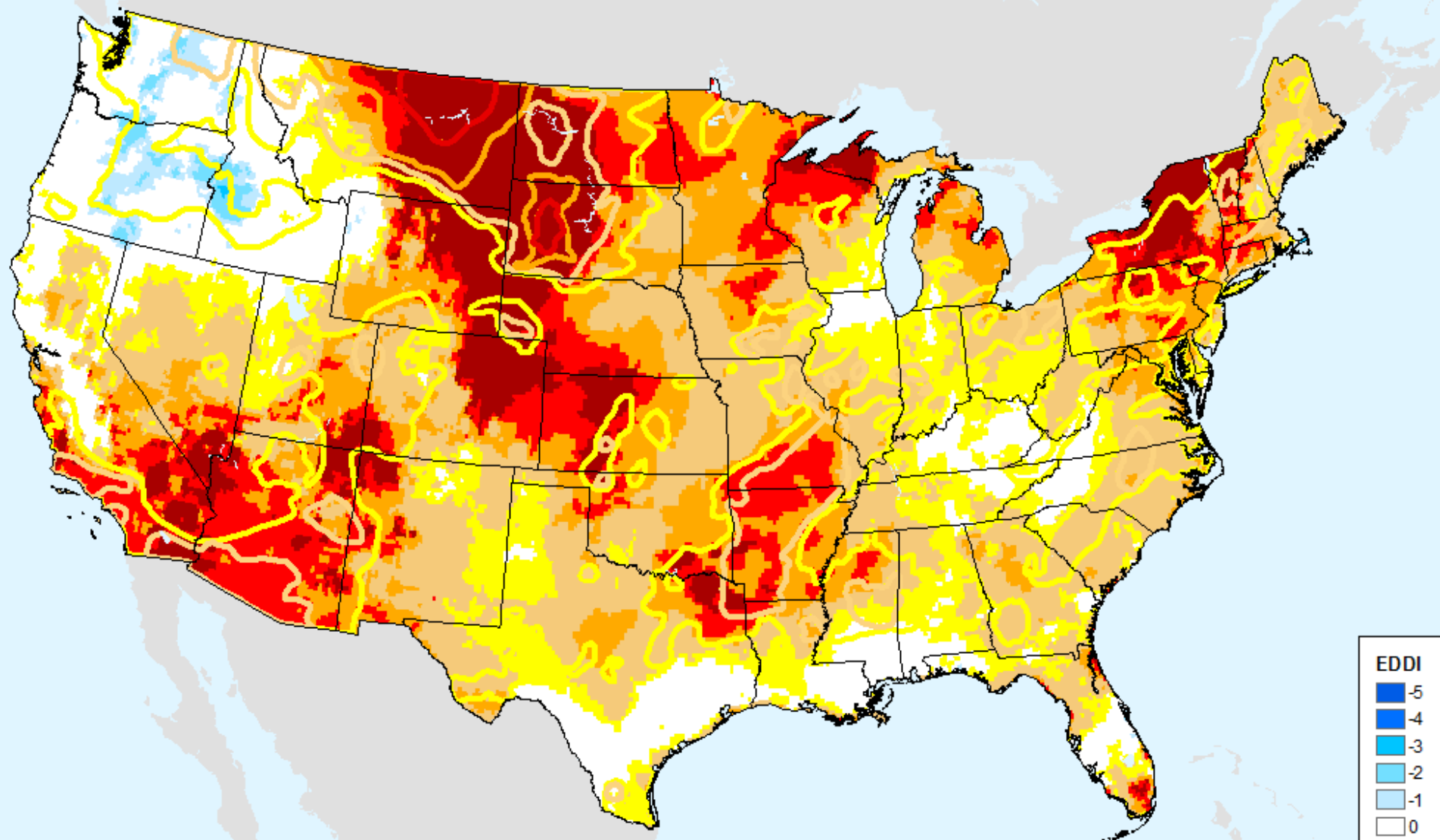


SPEI (USDM)	
+	+2.00 (Excp Moist)
+	+1.60 (Extr Moist)
+	+1.30 (Very Moist)
+	+0.80 (Mod Moist)
+	+0.51 (Abn Moist)
±	+/- 0.5 (Normal)
-	-0.51 (D0)
-	-0.80 (D1)
-	-1.30 (D2)
-	-1.60 (D3)
-	-2.00+ (D4)

USDM for: Oct. 24, 2017

EDDI 1-week

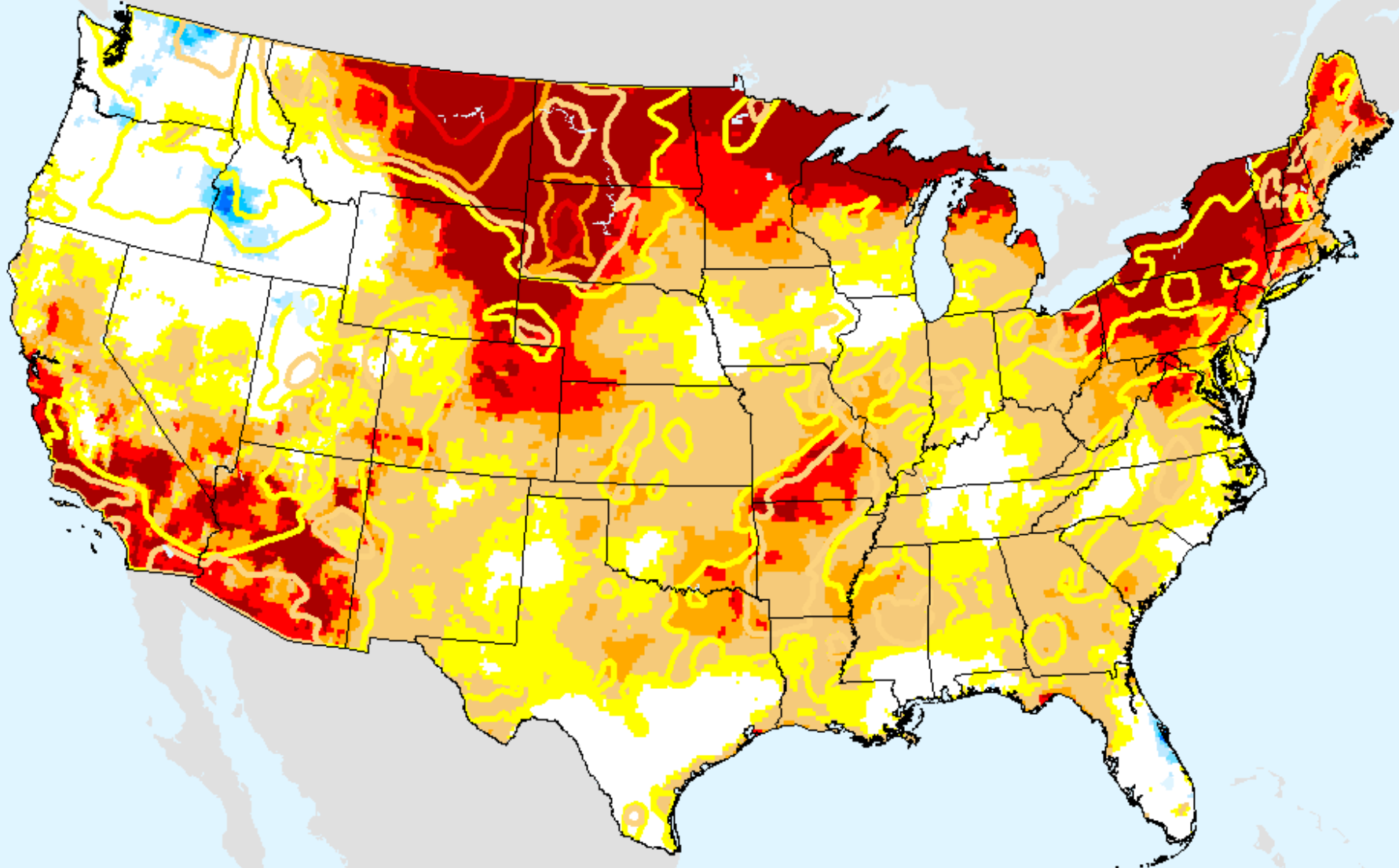
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

EDDI 2-week

As of: Tuesday, October 31, 2017



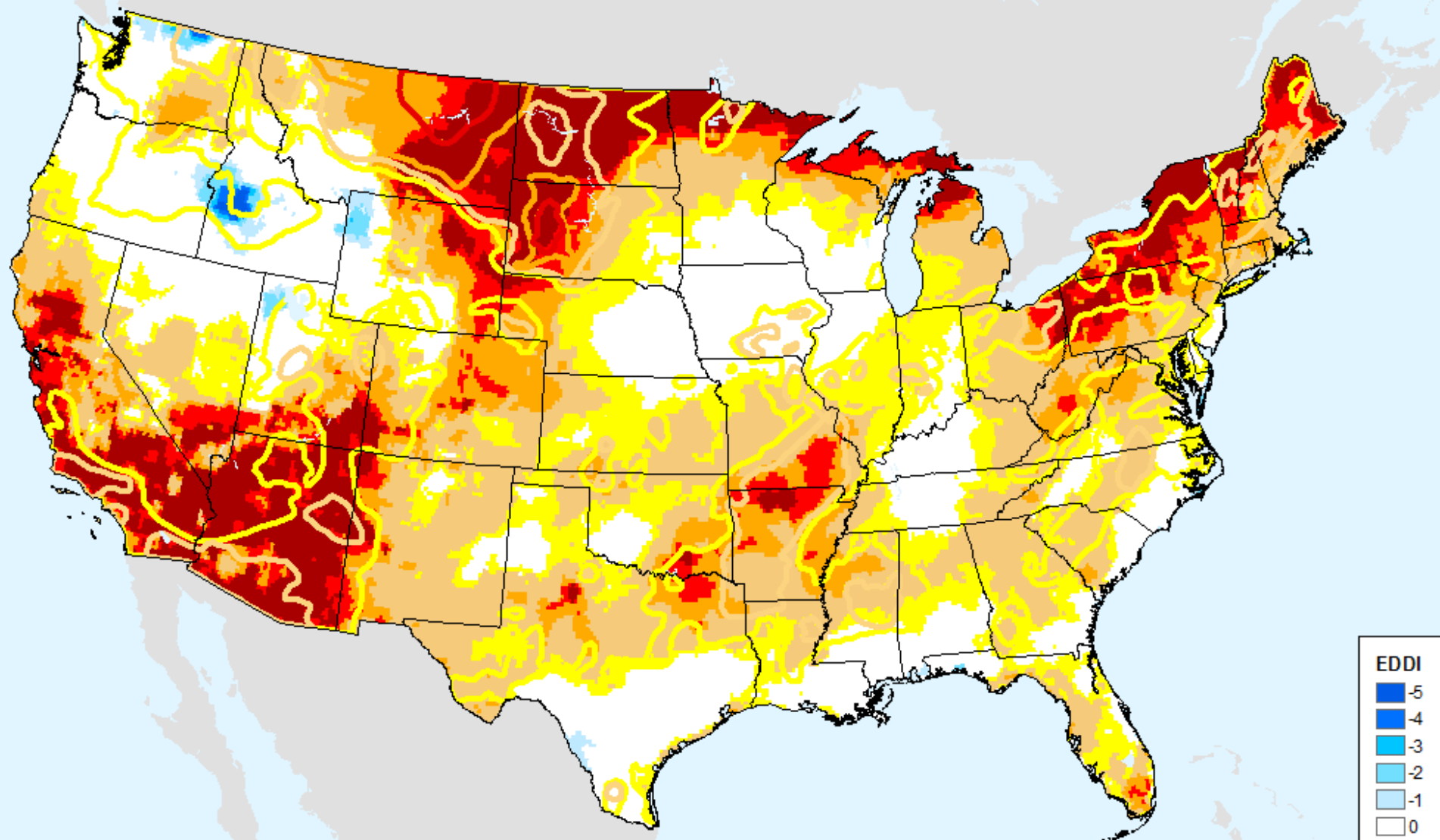
EDDI

- 5
- 4
- 3
- 2
- 1
- 0
- 1
- 2
- 3
- 4
- 5

USDM for: Oct. 24, 2017

EDDI 3-week

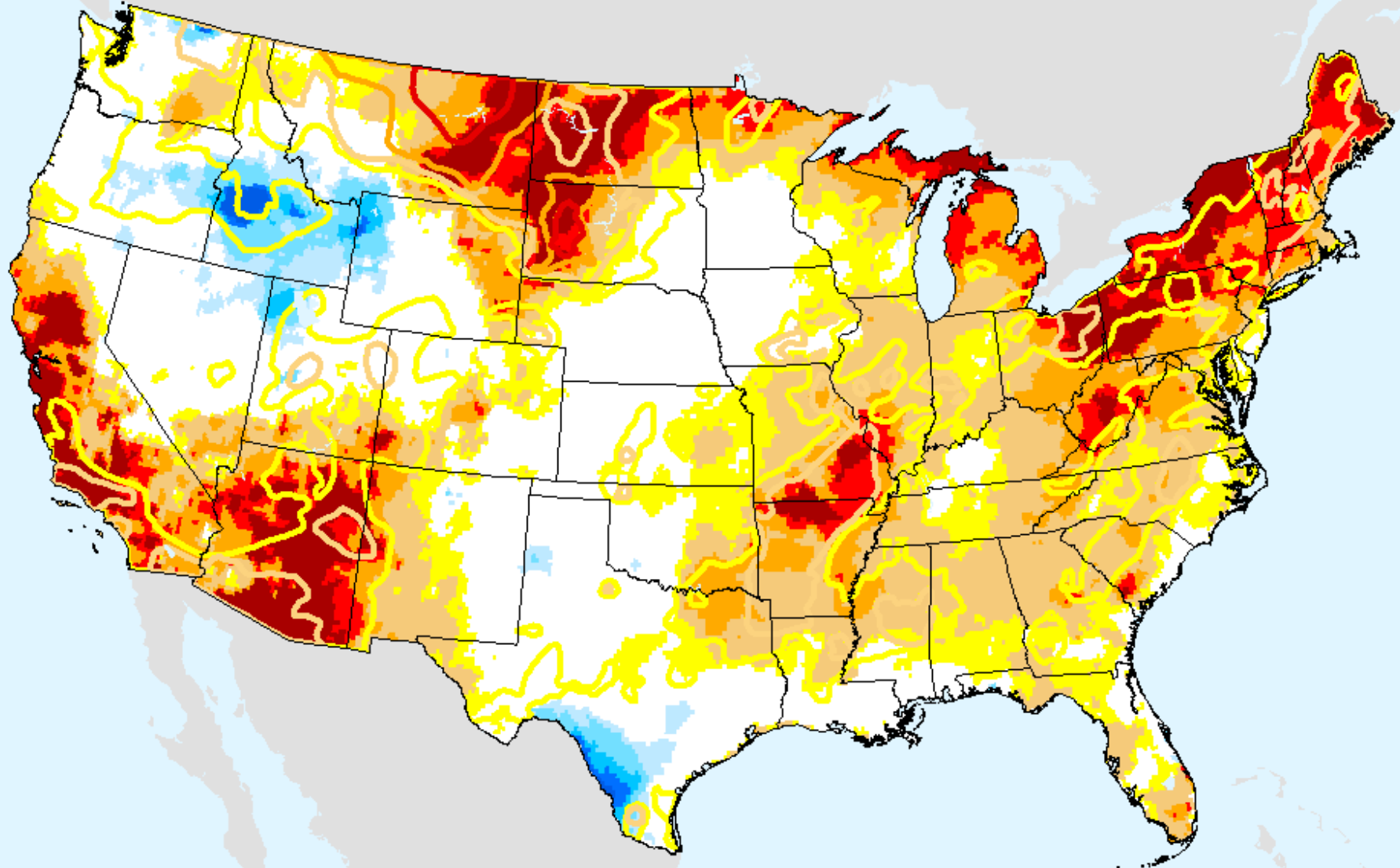
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

EDDI 4-week

As of: Tuesday, October 31, 2017



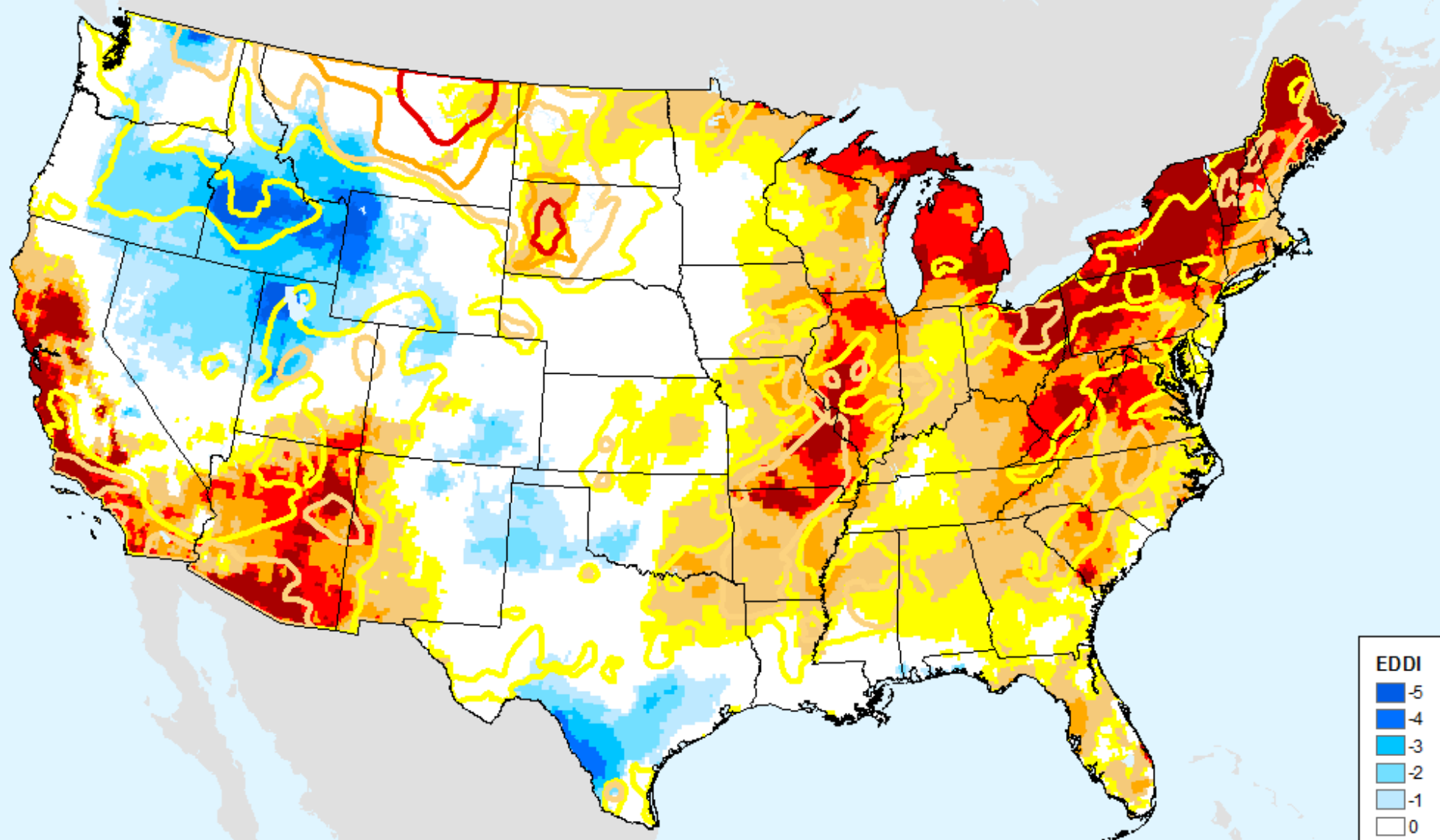
EDDI

- 5
- 4
- 3
- 2
- 1
- 0
- 1
- 2
- 3
- 4
- 5

USDM for: Oct. 24, 2017

EDDI 5-week

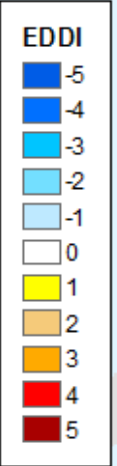
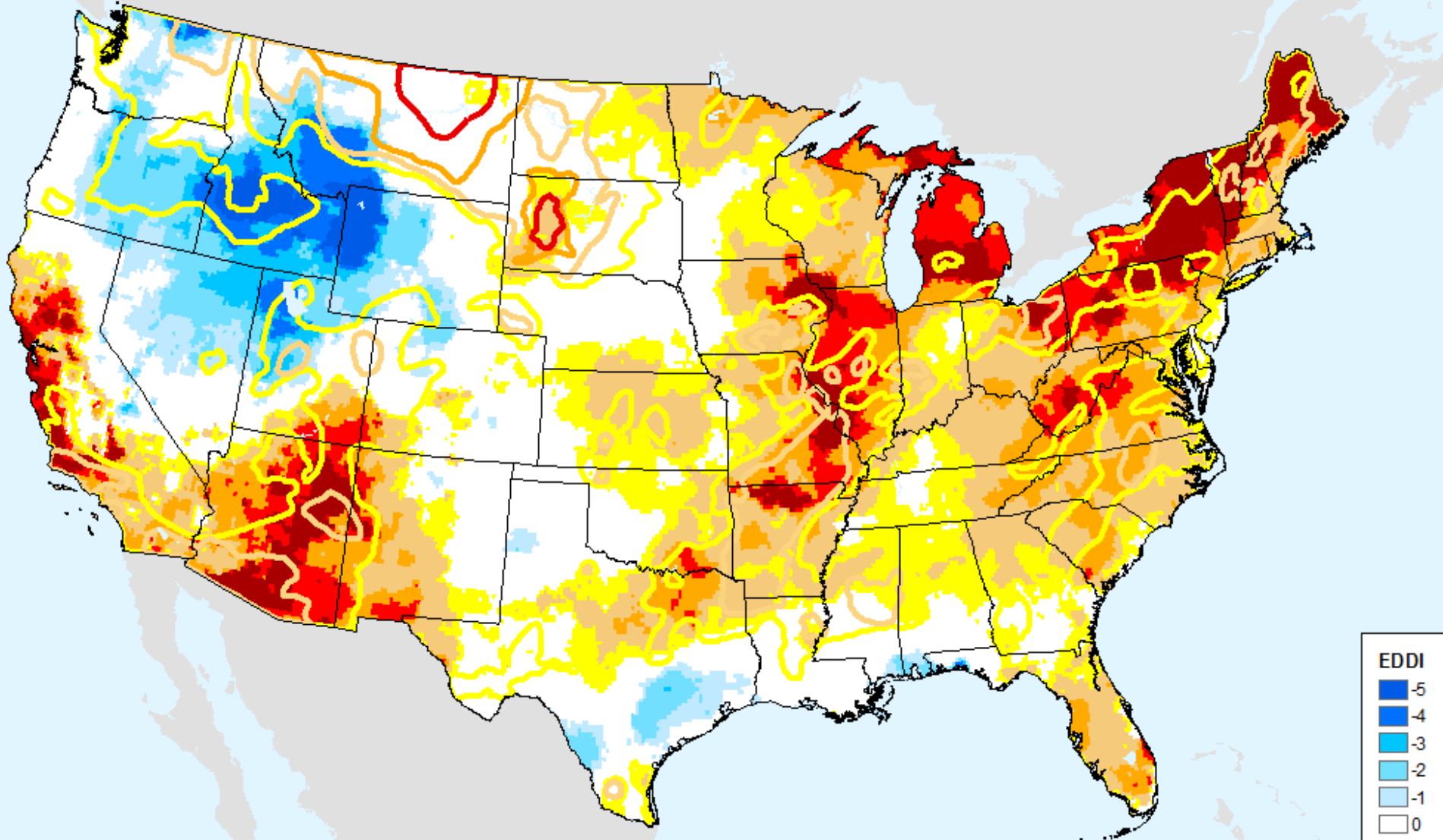
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

EDDI 6-week

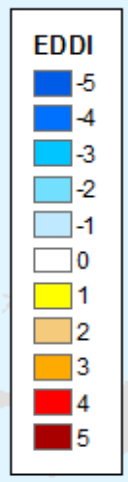
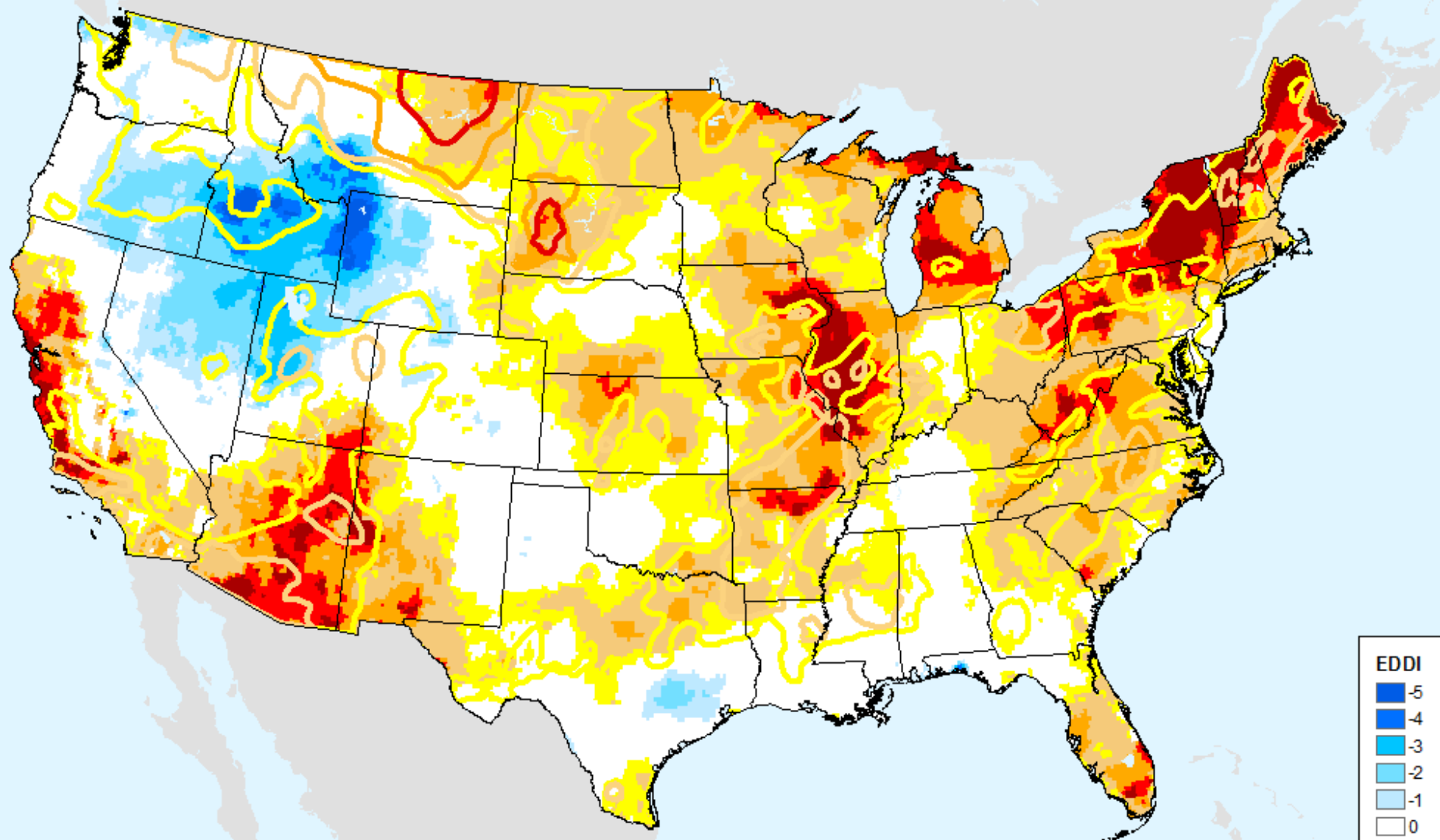
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

EDDI 7-week

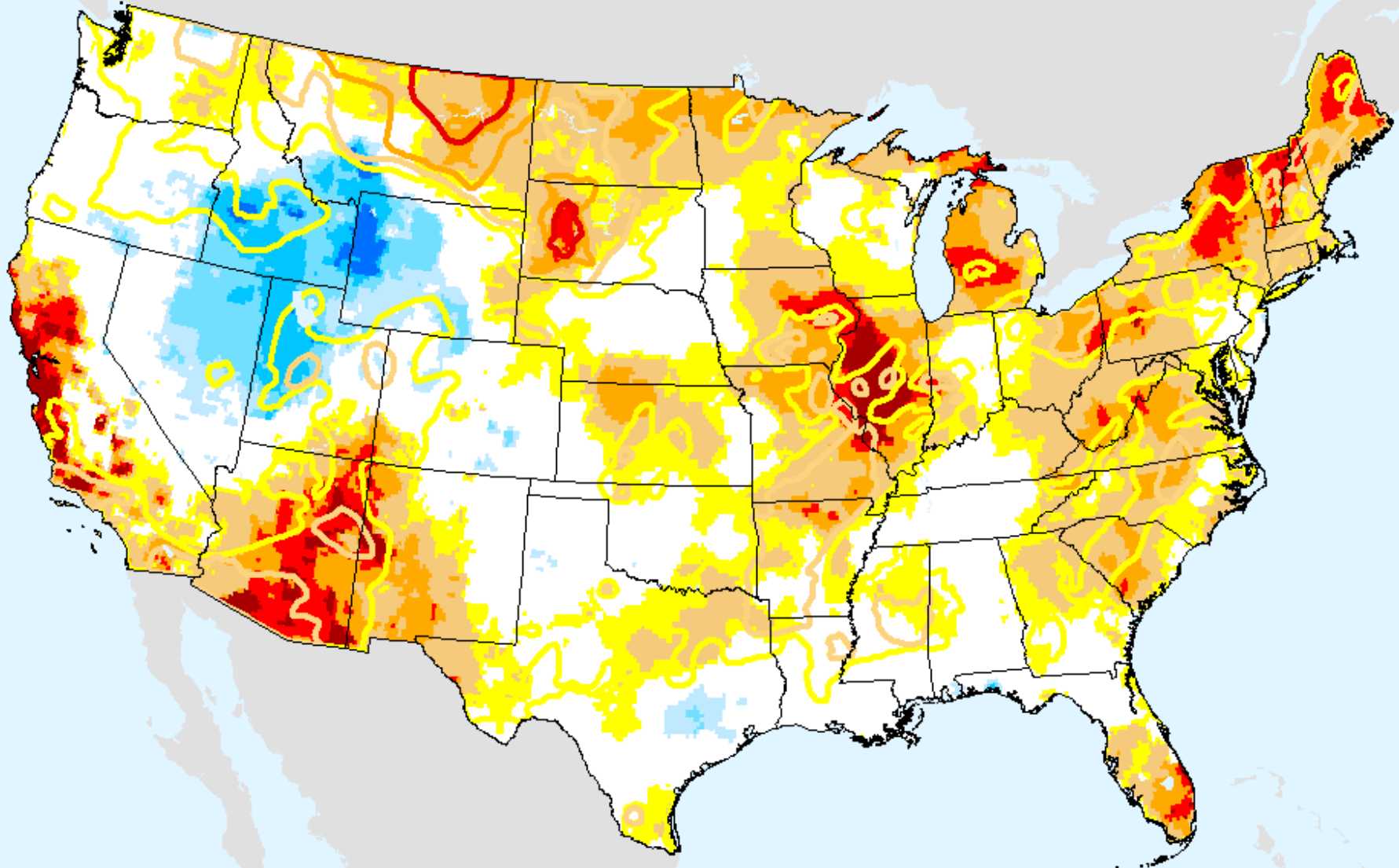
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

EDDI 8-week

As of: Tuesday, October 31, 2017

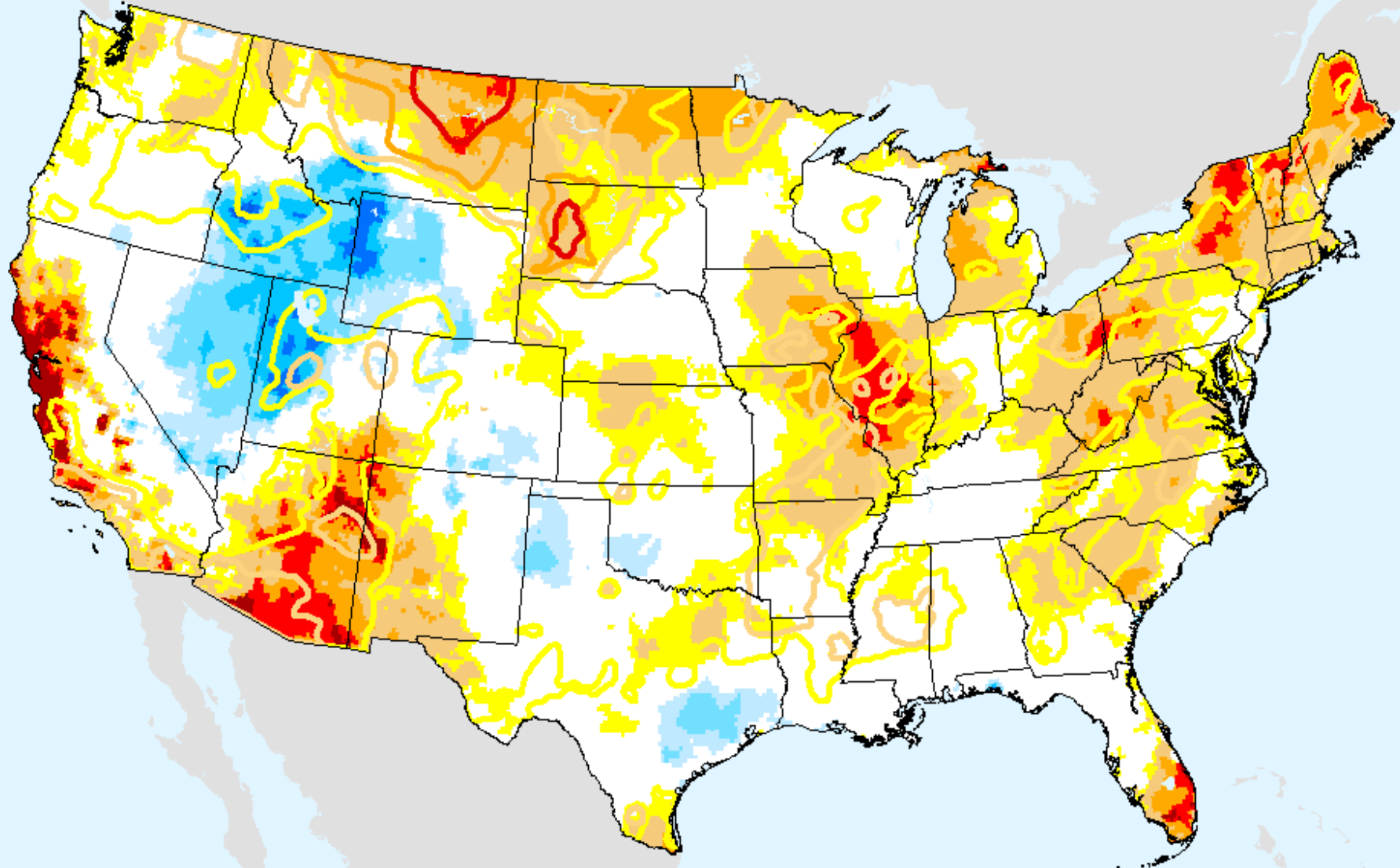


EDDI	
Dark Blue	-5
Blue	-4
Light Blue	-3
Very Light Blue	-2
White	-1
White	0
Yellow	1
Light Orange	2
Orange	3
Red	4
Dark Red	5

USDM for: Oct. 24, 2017

EDDI 9-week

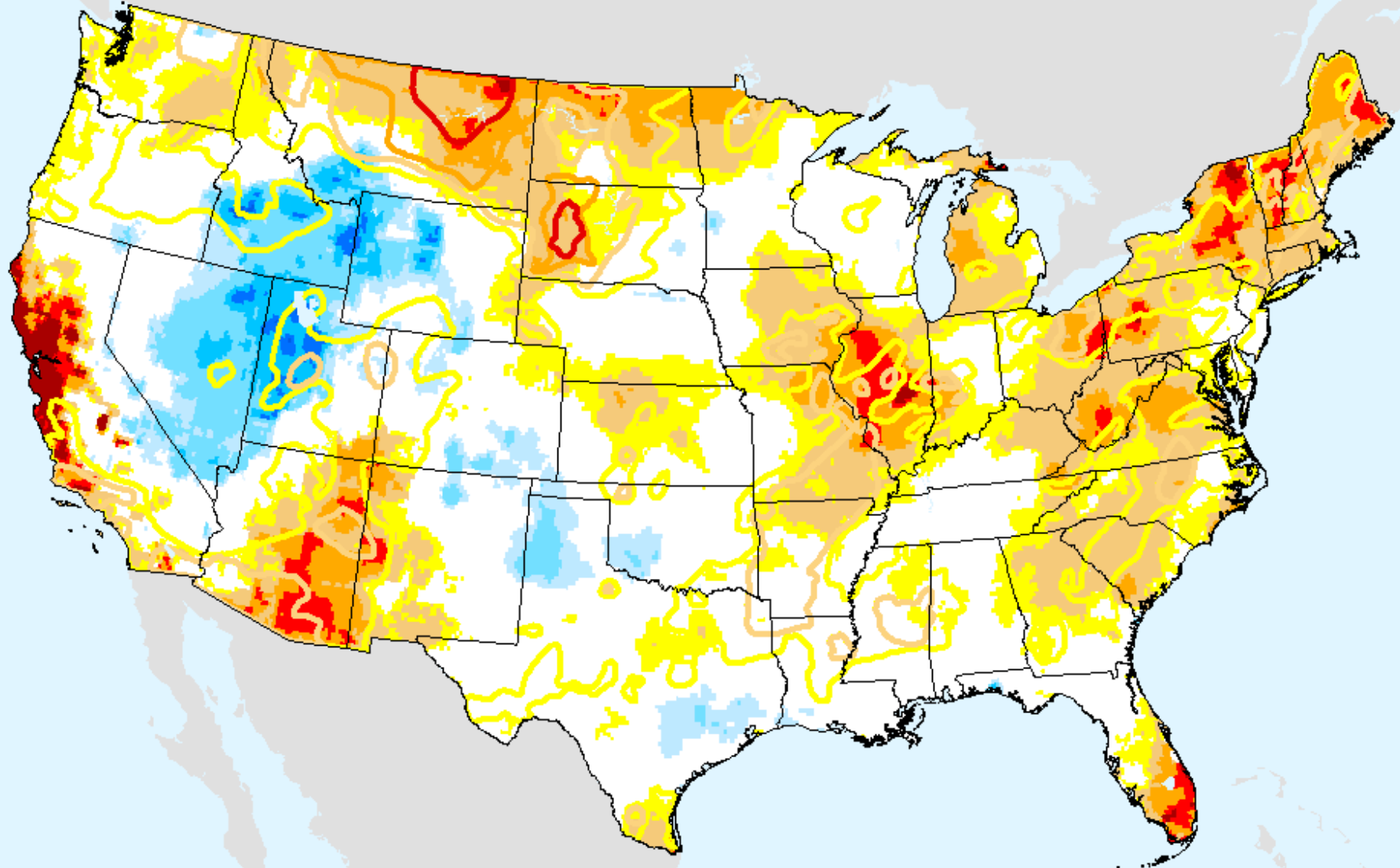
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

EDDI 10-week

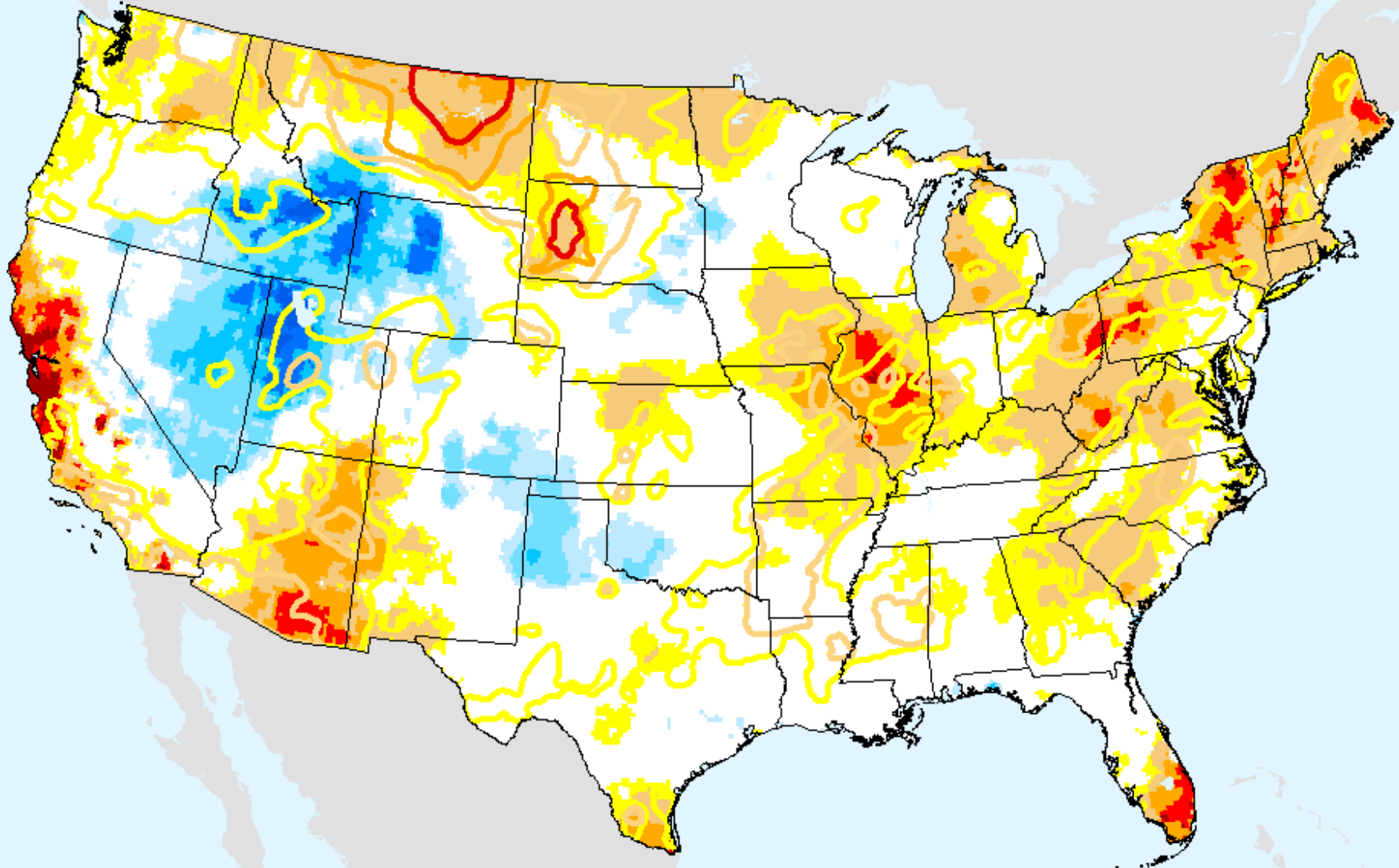
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

EDDI 11-week

As of: Tuesday, October 31, 2017

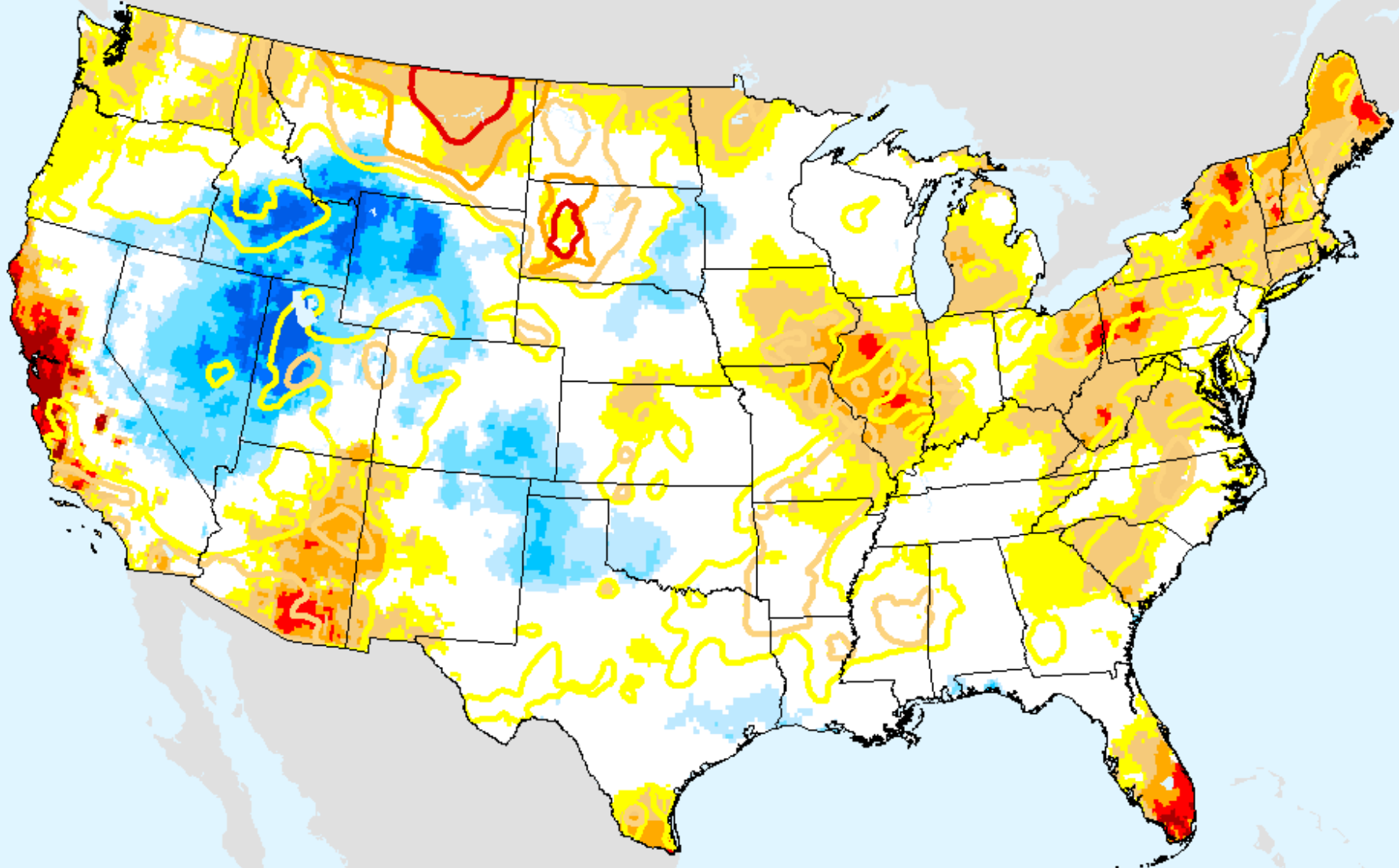


EDDI	
Dark Blue	-5
Blue	-4
Light Blue	-3
Very Light Blue	-2
White	-1
White	0
Yellow	1
Light Orange	2
Orange	3
Red-Orange	4
Dark Red	5

USDM for: Oct. 24, 2017

EDDI 12-week

As of: Tuesday, October 31, 2017

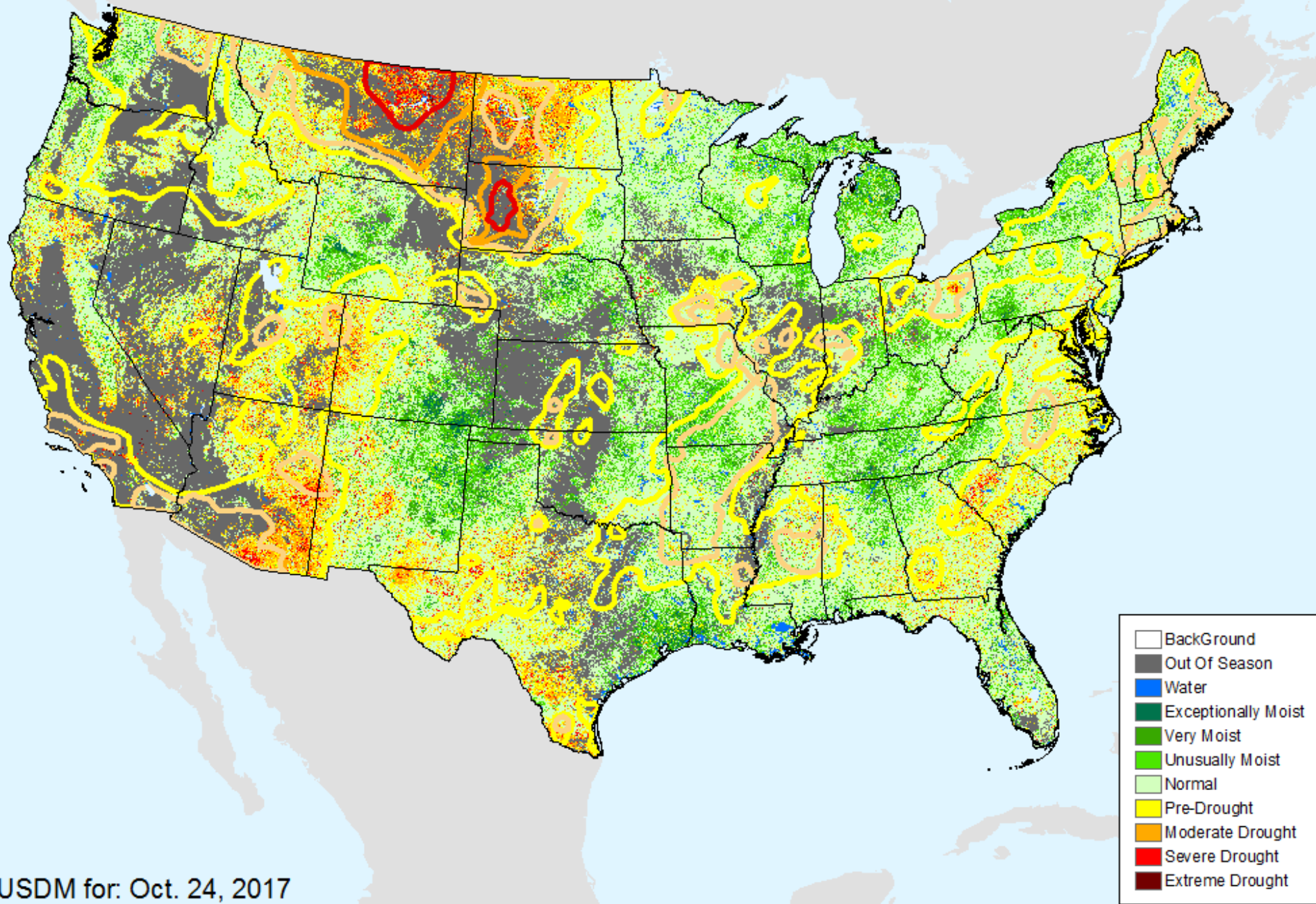


EDDI	
Dark Blue	-5
Blue	-4
Light Blue	-3
Very Light Blue	-2
White	-1
White	0
Yellow	1
Light Orange	2
Orange	3
Red-Orange	4
Dark Red	5

USDM for: Oct. 24, 2017

Vegetation Drought Response Index (VegDRI)

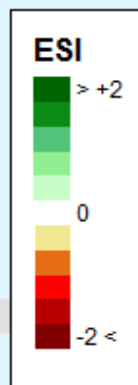
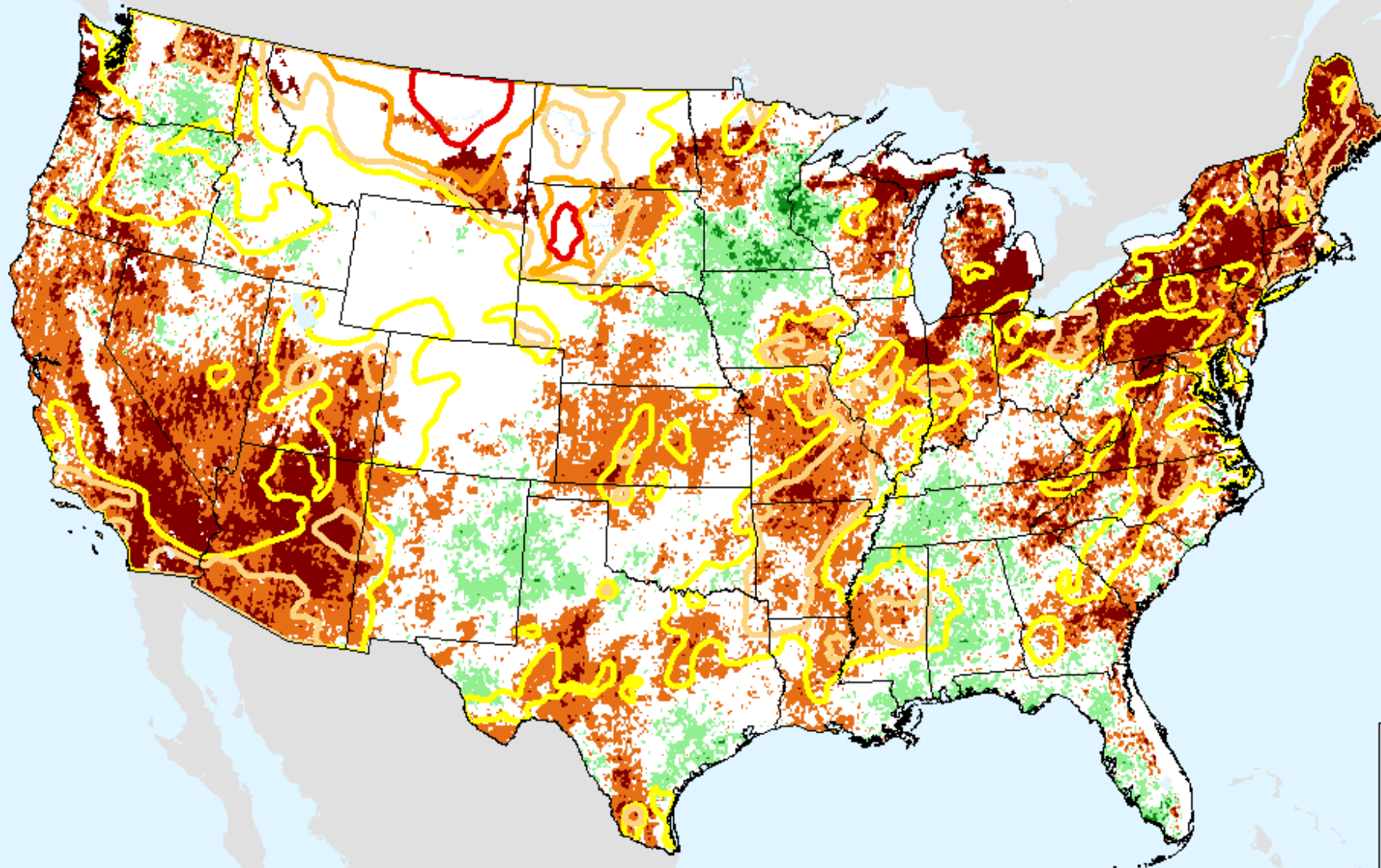
As of: Tuesday, October 31, 2017



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Evaporative Stress Index (ESI) 4-week

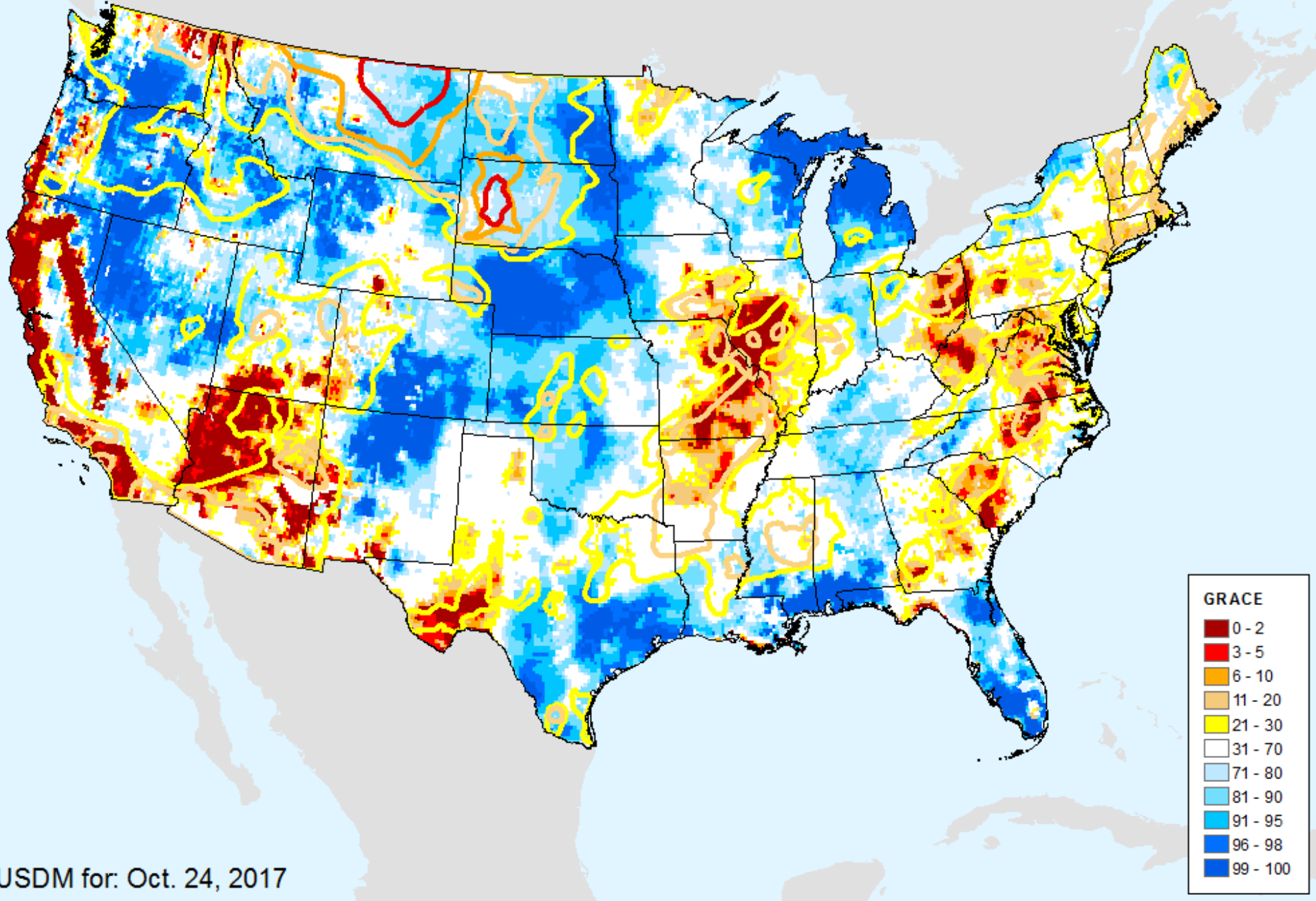
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

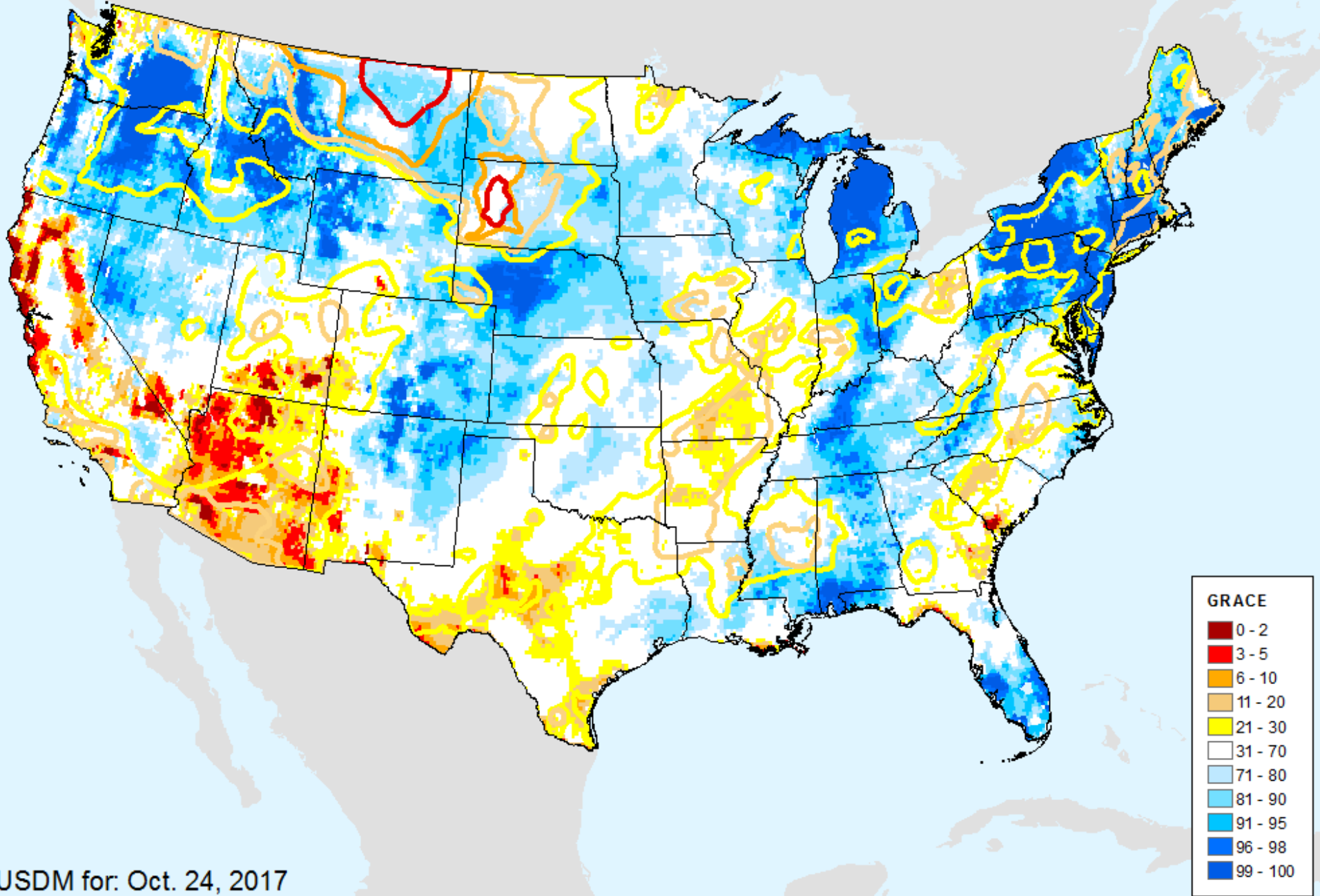
GRACE-Based Shallow Groundwater Drought Indicator

As of: Tuesday, October 31, 2017



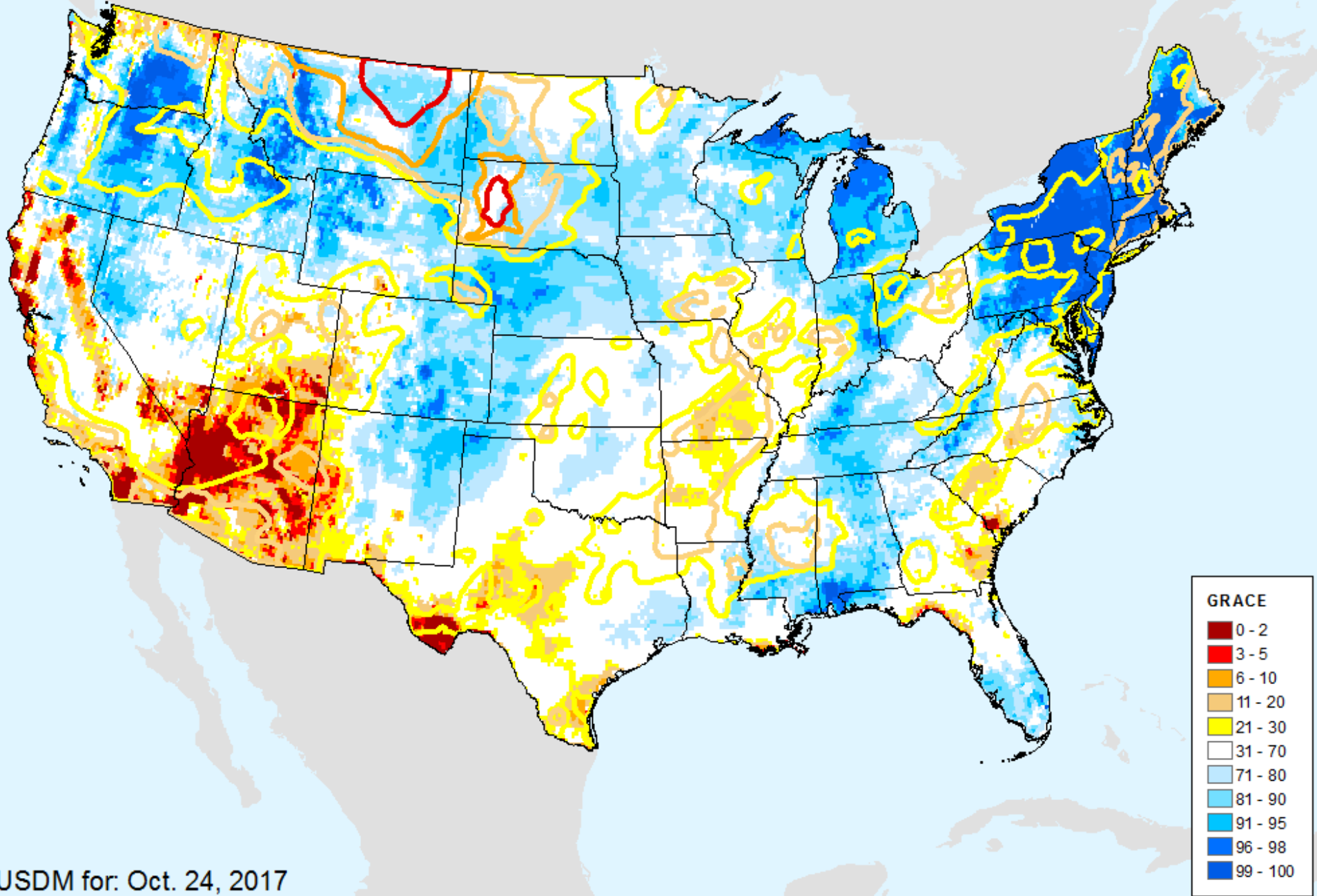
GRACE-Based Root Zone Soil Moisture Drought Indicator

As of: Tuesday, October 31, 2017



GRACE-Based Surface Soil Moisture Drought Indicator

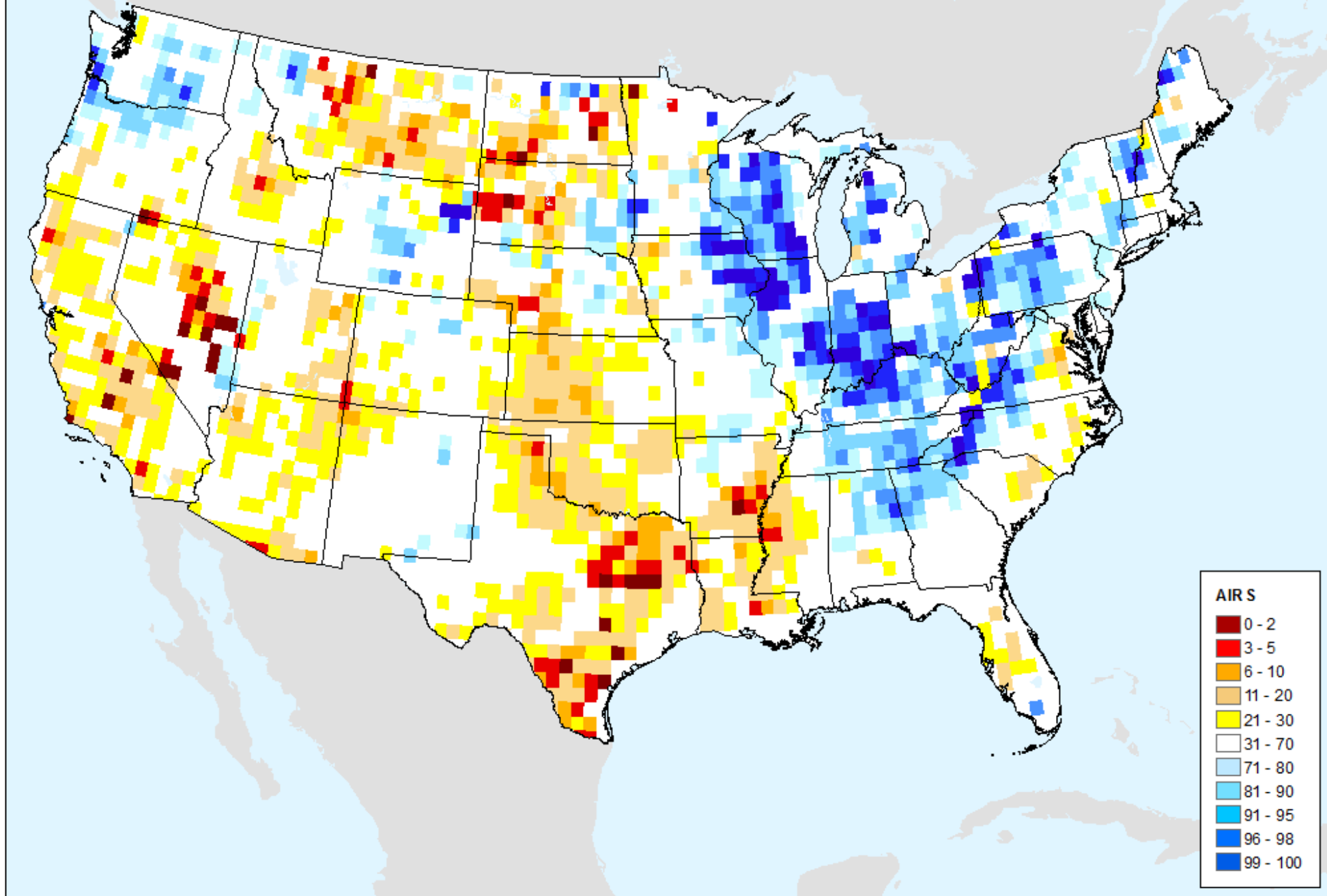
As of: Tuesday, October 31, 2017



USDM for: Oct. 24, 2017

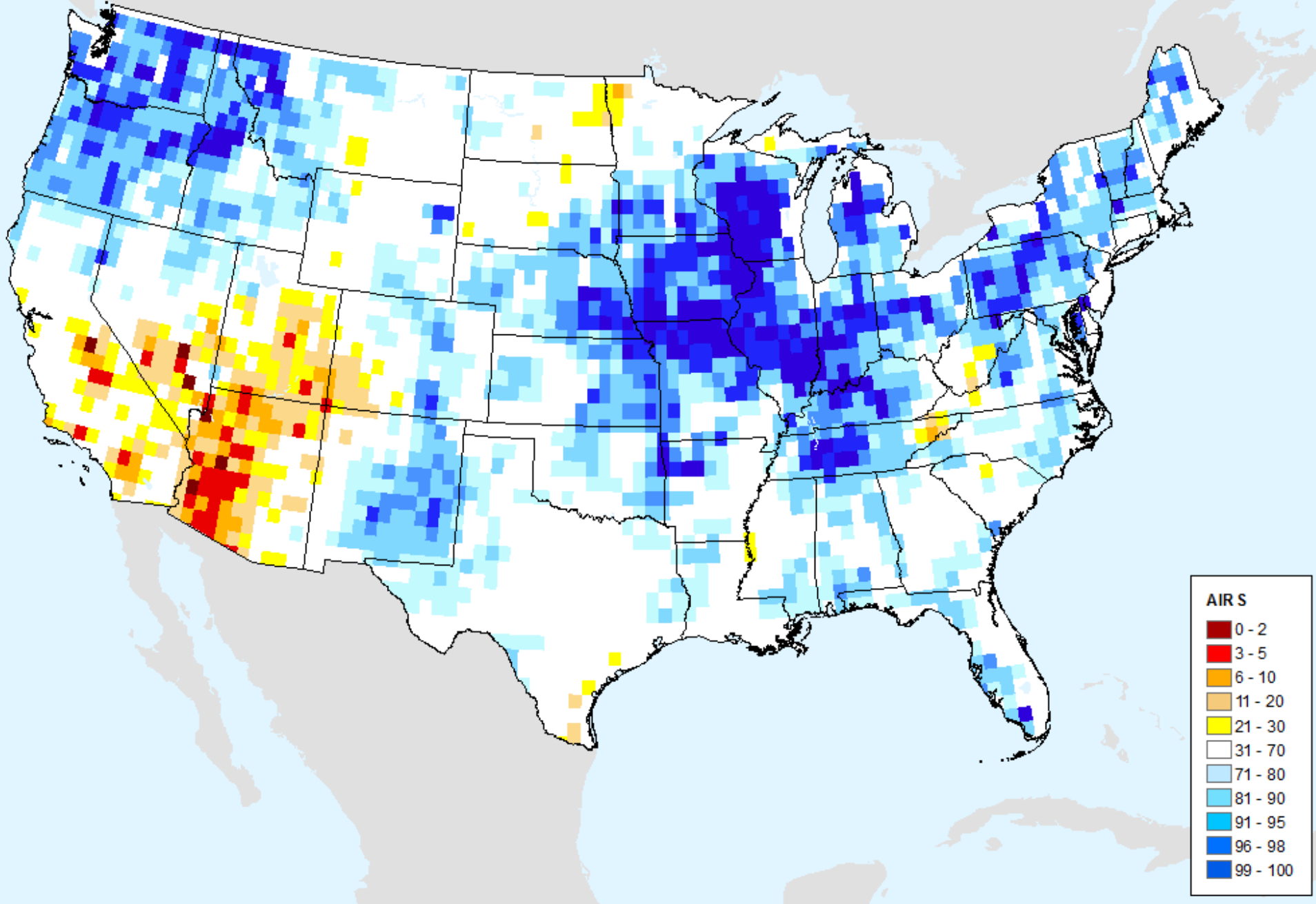
AIRS-Based Surface Relative Humidity 7 Day

As of: Tuesday, October 31, 2017



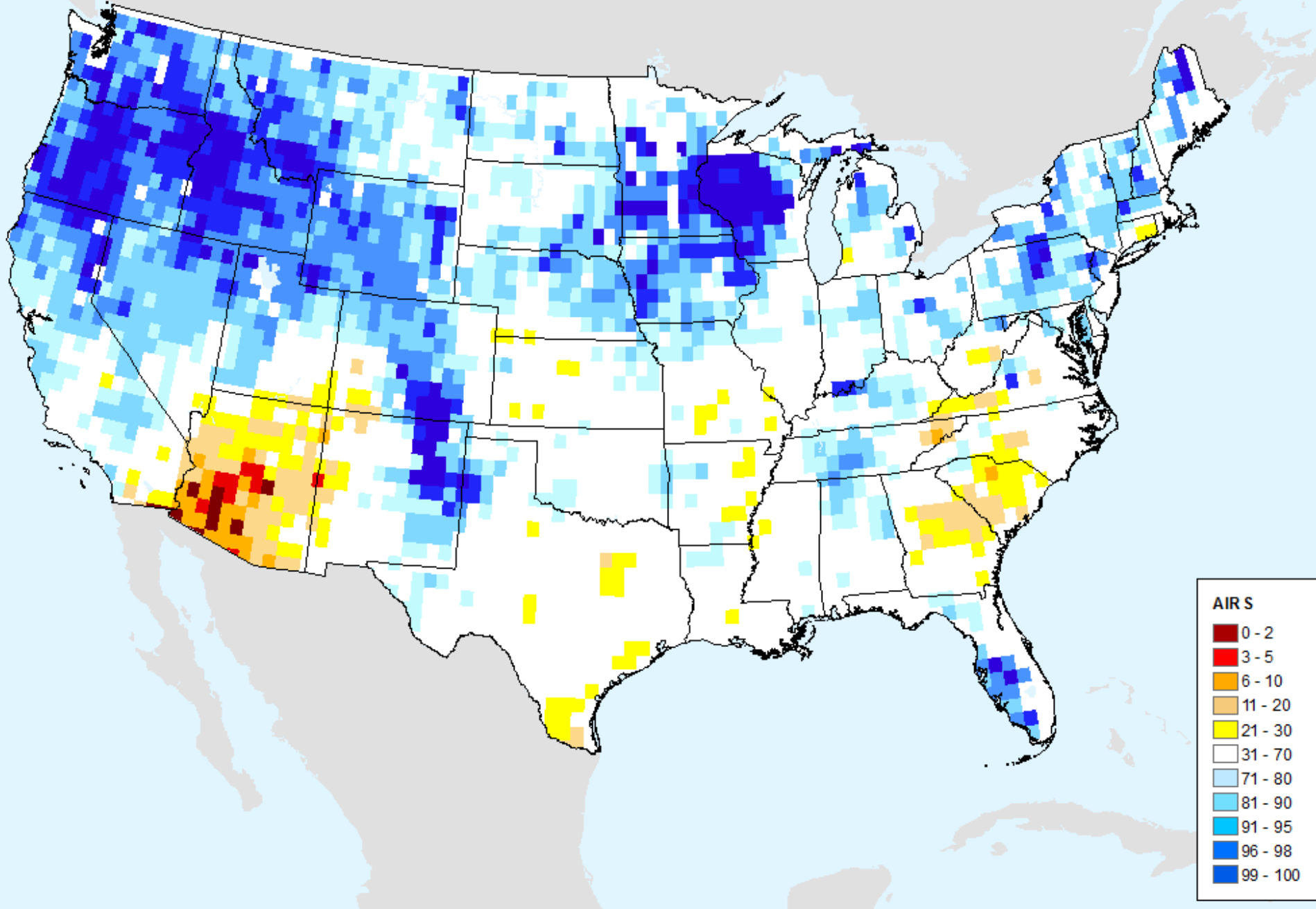
AIRS-Based Surface Relative Humidity 28 Day

As of: Tuesday, October 31, 2017



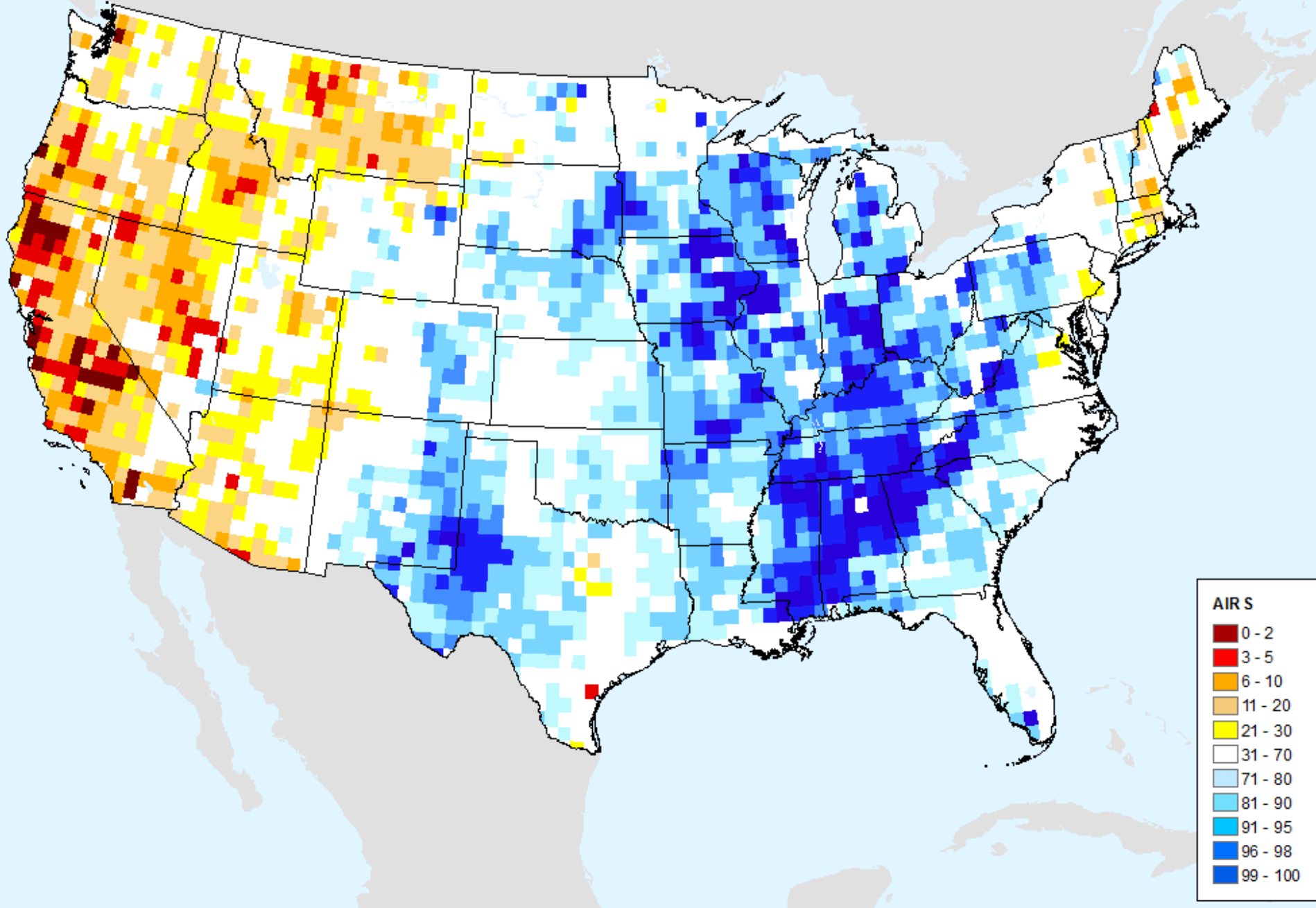
AIRS-Based Surface Relative Humidity 56 Day

As of: Tuesday, October 31, 2017



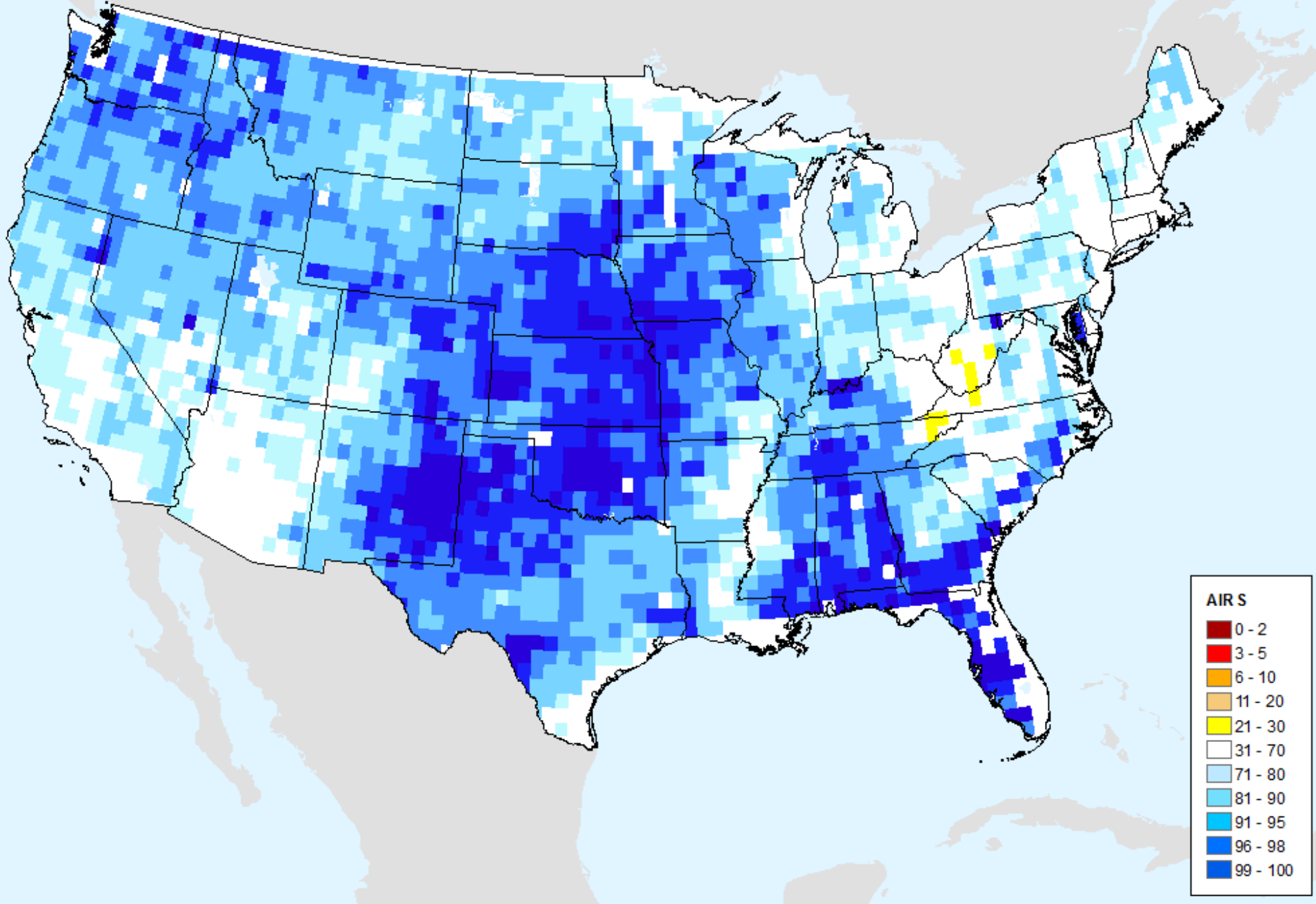
AIRS-Based Vapor Pressure Deficit 7 Day

As of: Tuesday, October 31, 2017



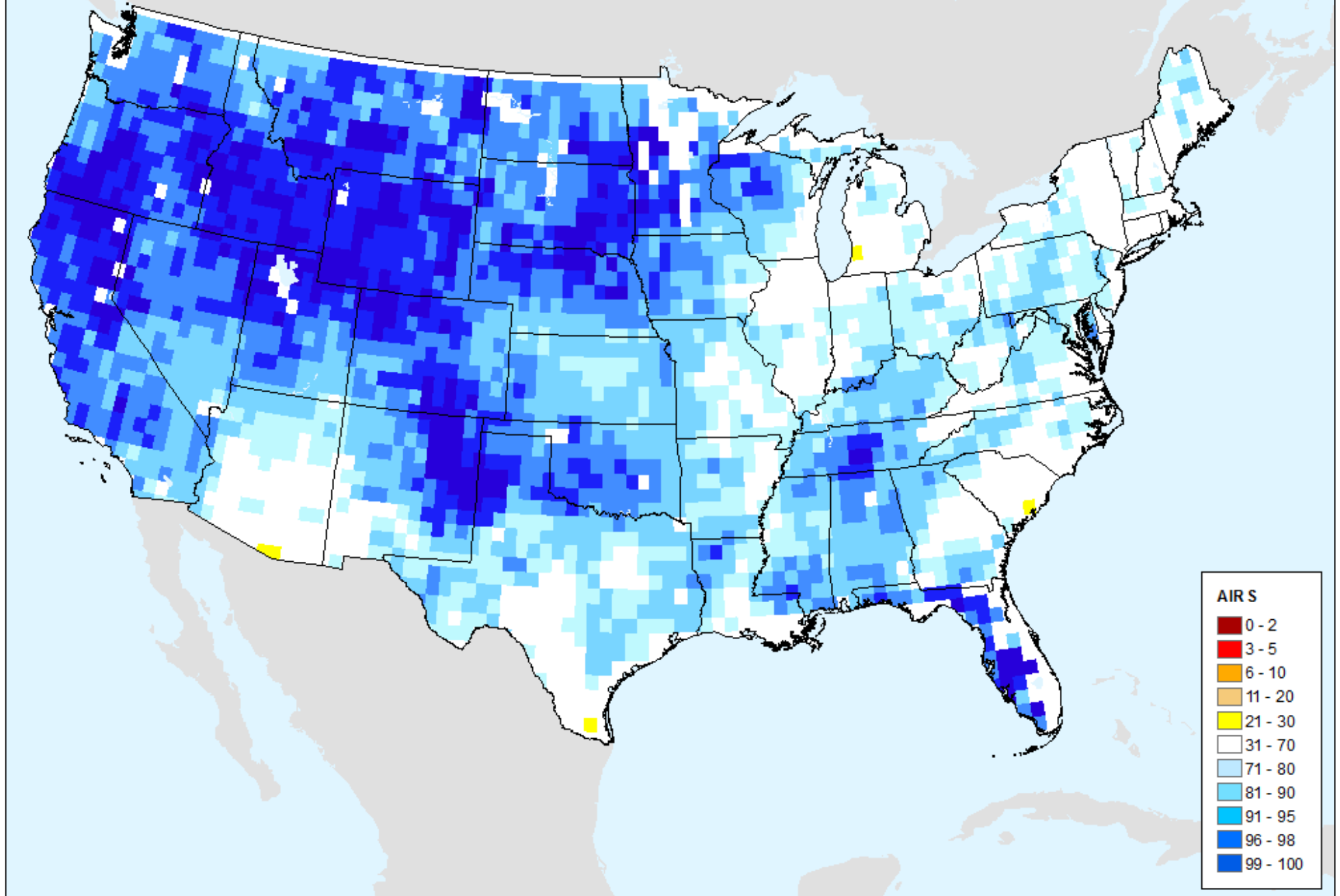
AIRS-Based Vapor Pressure Deficit 28 Day

As of: Tuesday, October 31, 2017

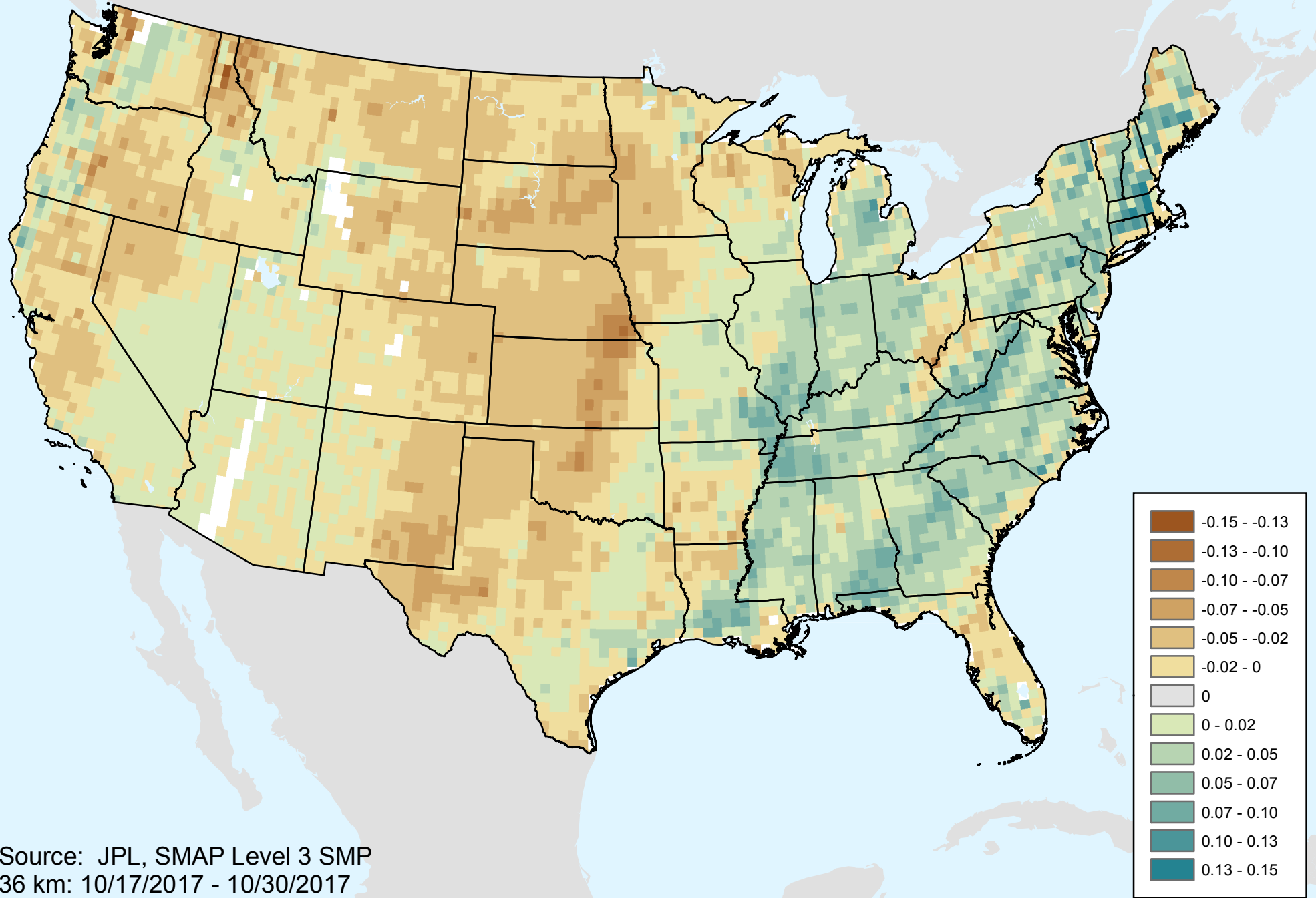


AIRS-Based Vapor Pressure Deficit 56 Day

As of: Tuesday, October 31, 2017

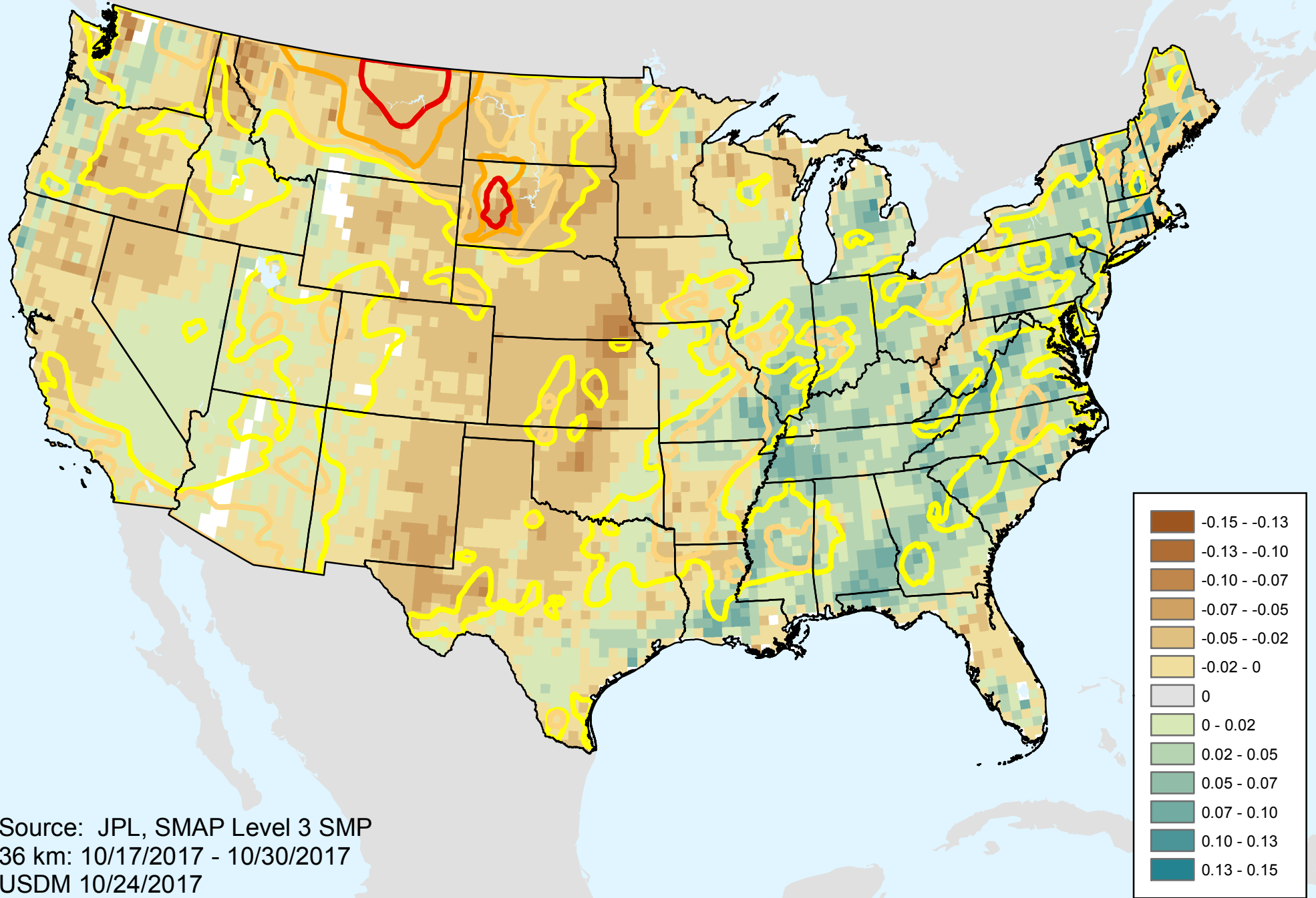


SMAP 1-Week Change in Soil Moisture 0-5 cm



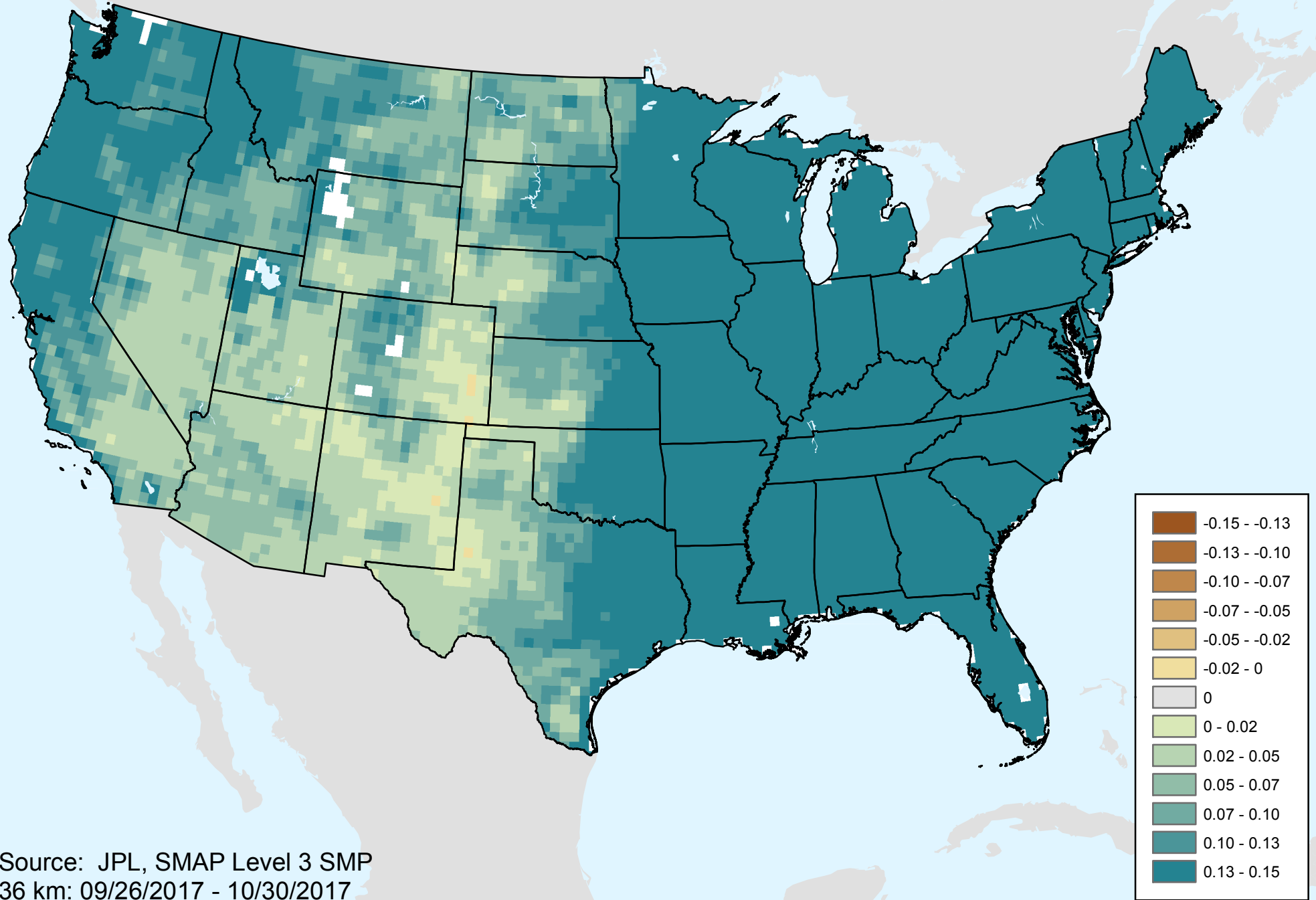
Source: JPL, SMAP Level 3 SMP
36 km: 10/17/2017 - 10/30/2017

SMAP 1-Week Change in Soil Moisture 0-5 cm



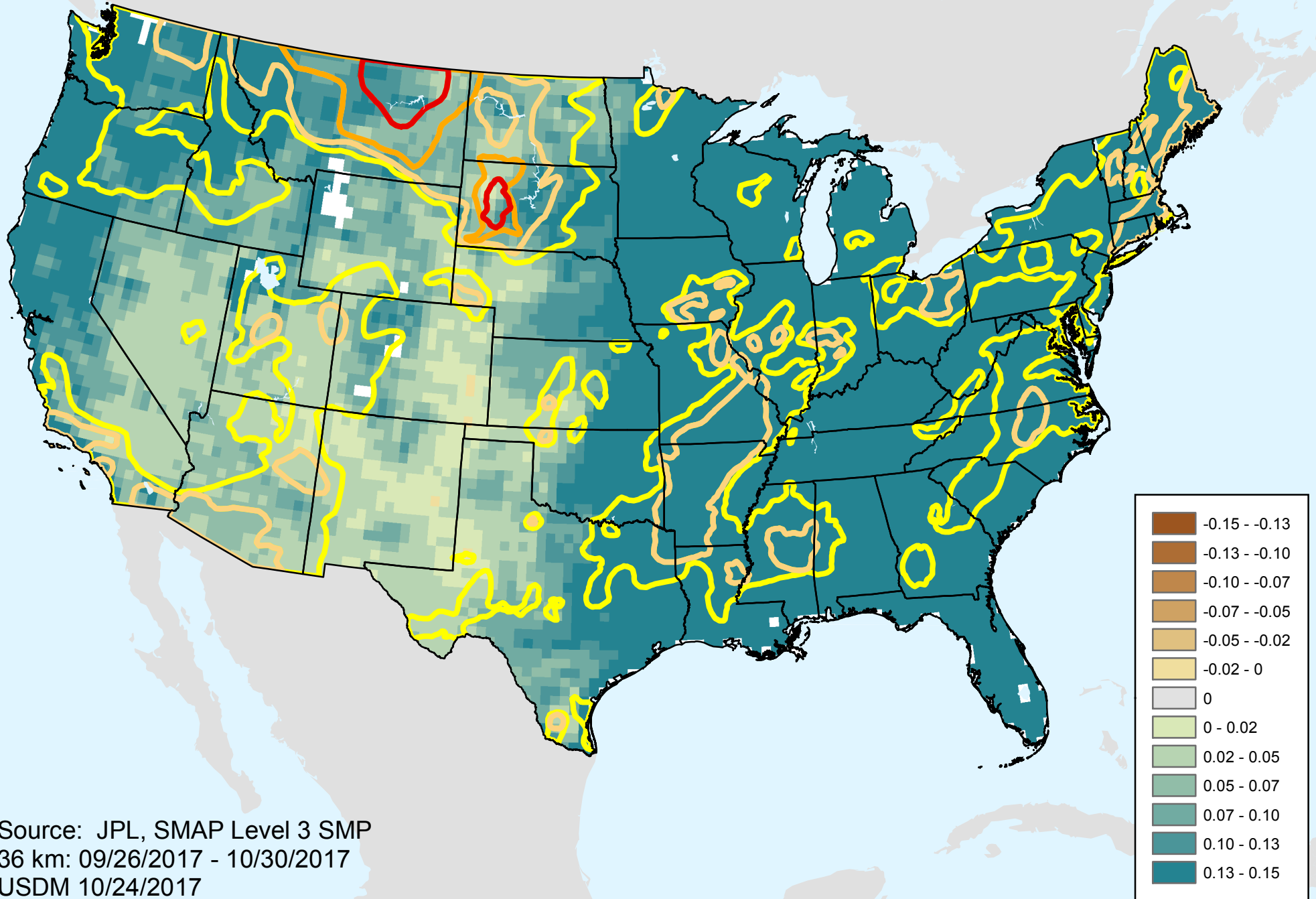
Source: JPL, SMAP Level 3 SMP
36 km: 10/17/2017 - 10/30/2017
USDM 10/24/2017

SMAP 1-Month Change in Soil Moisture 0-5 cm



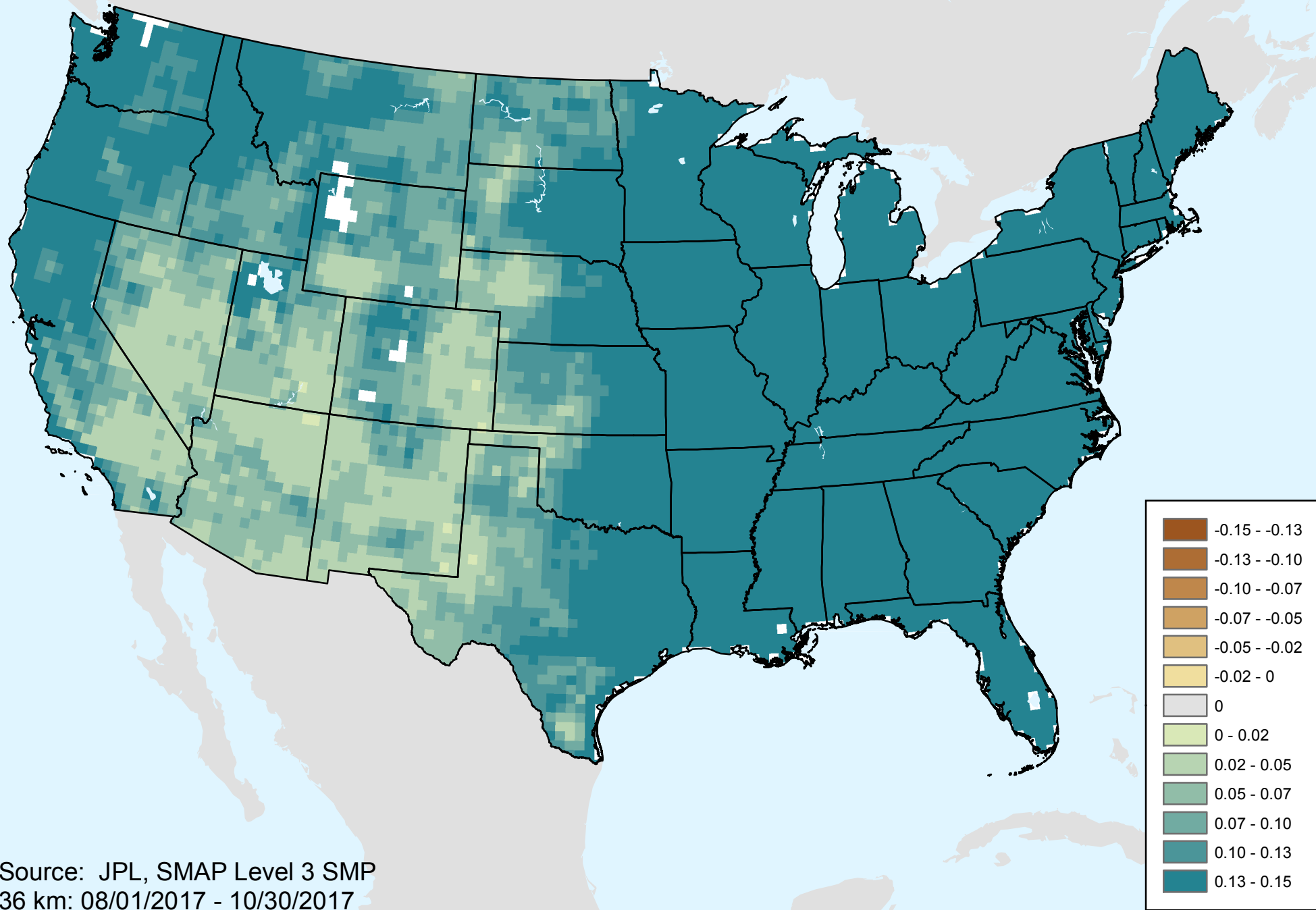
Source: JPL, SMAP Level 3 SMP
36 km: 09/26/2017 - 10/30/2017

SMAP 1-Month Change in Soil Moisture 0-5 cm



Source: JPL, SMAP Level 3 SMP
36 km: 09/26/2017 - 10/30/2017
USDM 10/24/2017

SMAP 3-Month Change in Soil Moisture 0-5 cm



Source: JPL, SMAP Level 3 SMP
36 km: 08/01/2017 - 10/30/2017

SMAP 3-Month Change in Soil Moisture 0-5 cm

