# BAMWX AM AG WEATHER REPORT

#### **PREPARED BY:** JONATHAN KIPPER June 29, 2022

## **Storm Dates:**

UPDATED: 6/29/22

-20

+3 +1

EC

-1

-3

-12

-20

= )

WX.COM

10 Year

79.7

Week 2 PWCDDs

30 Year

74.8

San Franc

Los Angeles

Phoenfly

7/6-7/12/2022

Change

+5.0

BAM

93.0

| June 29      | Col |
|--------------|-----|
| July 1-3     |     |
| July 5 - 8   |     |
| July 15 - 17 |     |

ECMWF EPS 7-Day Average -- 2-meter Temperature Anomaly [°F] Min|Max Init: Wed 00Z29JUN2022 +[168] HOURS --> Valid Wed 00Z06JUL2022 -11.4 | 9.7 °F E SM This service is based on data European Centre for Medium-range Weather Forecasts (ECMWF

WEEK 2 TEMP DEPARTURE

+3/5

+5/8

+8/10

Tuls

Dallas

+1/3

llanta

Bisma

Denver





PREPARED BY: WALTS

A PREVIOUS

CONFIDENCE

Iormal Above Nor

FORECAST RISK

COOLER WARMER

50%

50%

-3/5

-1/3



Week 2: Start: 7/6 End: 7/12

Week 1:

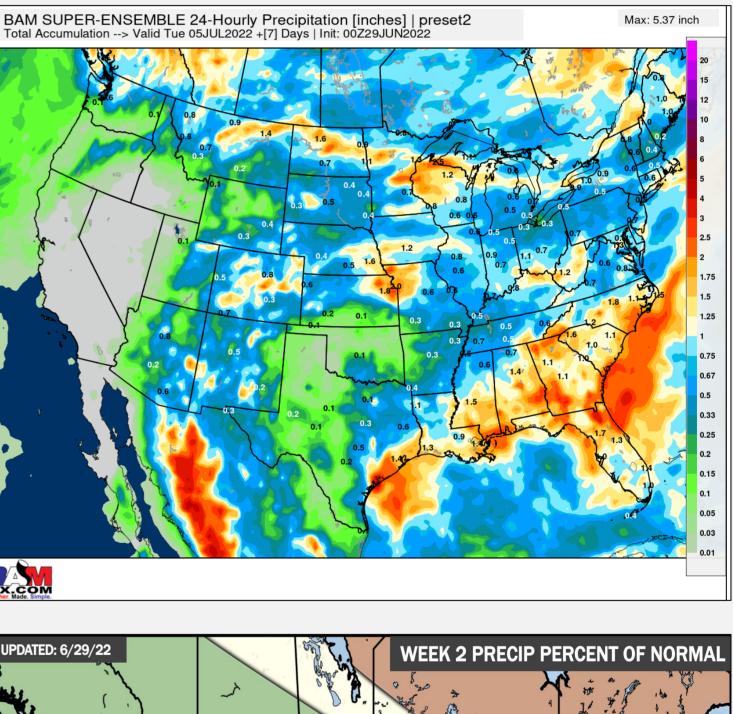
Start: 6/29

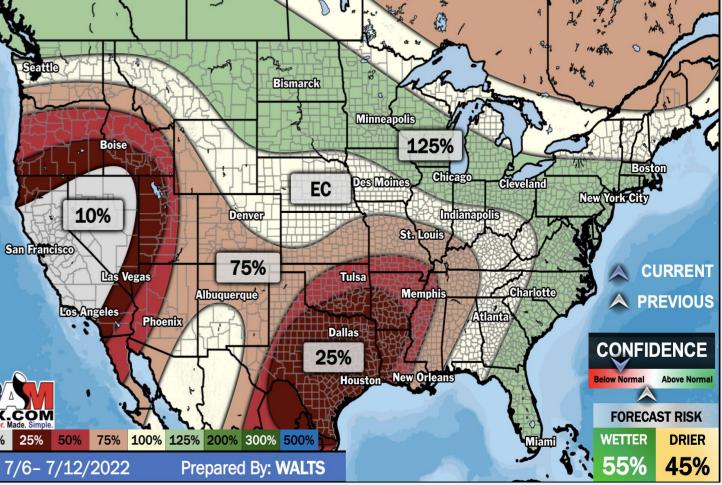
End: 7/5





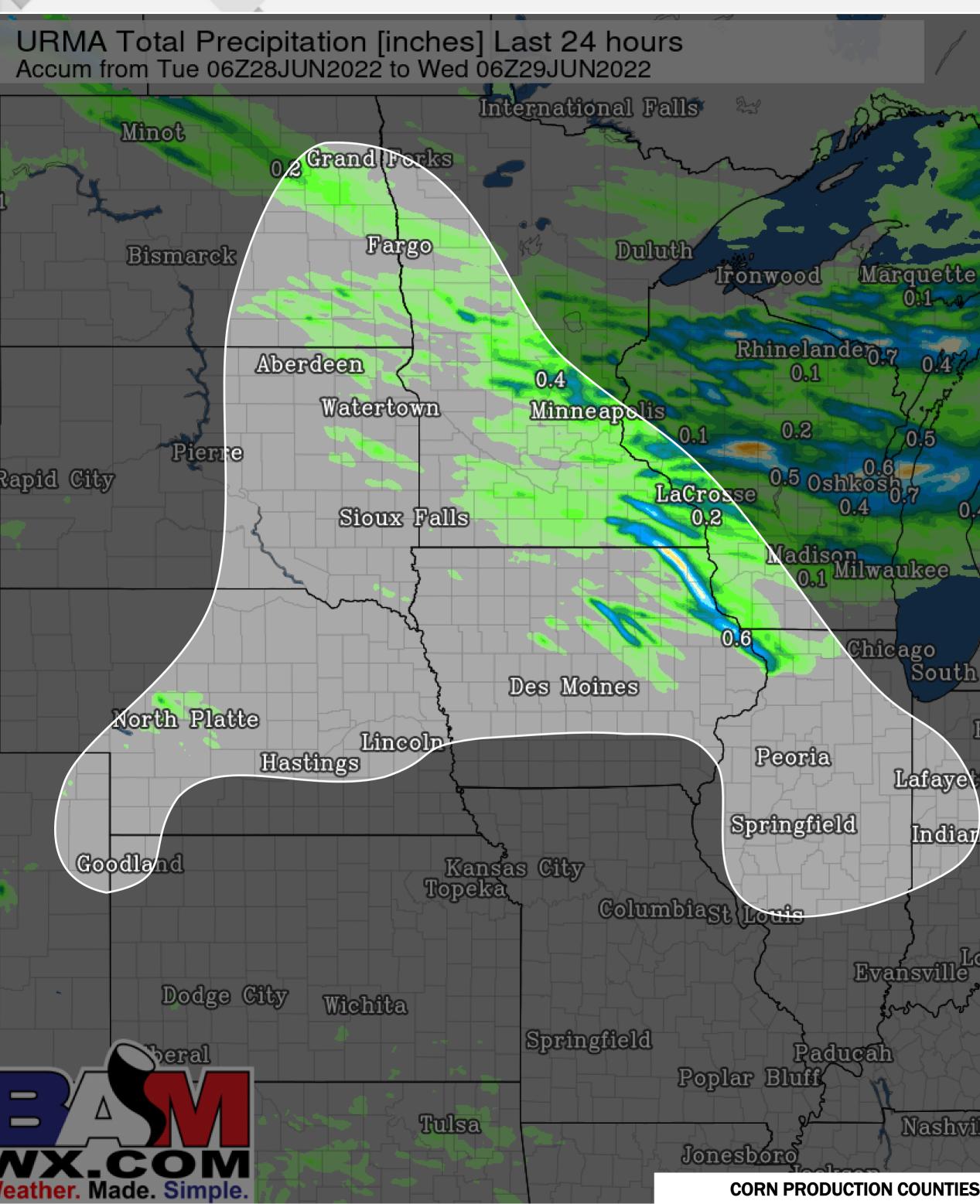
## Id Front / Storm System (S/E) Cold Front / Storm System **Storm System Storm System**





# BAMWX 24-HOUR OBS. RAINFALL

#### **PREPARED BY:** JONATHAN KIPPER June 29, 2022







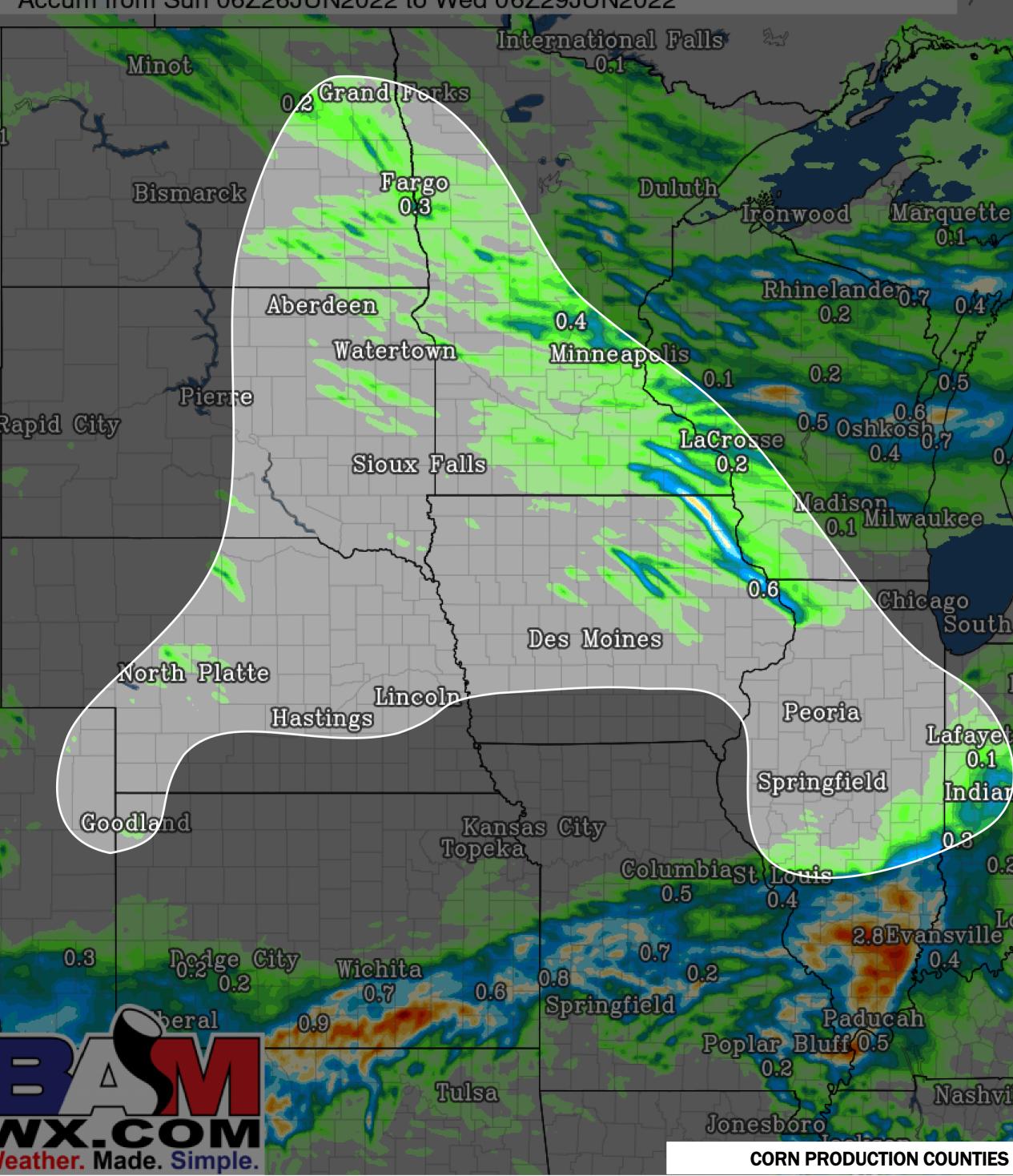
Max: 1.96 inch 15 10 8 7 Sault St Marie 6 0.3 0.4 5 Alpena 3.5 3 0.2 1.1 2.5 0.42 Saginaw LansingPort Huron 1.751.5 Detroit 1.25 Erie South Bend Toledo Cleveland 0.75 Fort Wayne 0.66 Lafayete Pittsburgl 0.5 Daytcolumbus Indiar/apolis 0.4 0.3 Cincinnati 0.25 Evansville Charleston 0.2 Char 0.15 Roanoke 0.1 0.05 0.01 Nashville Raleigh Knoxville cercero

CORN PRODUCTION COUNTIES OF 20,000,000+ BUSHELS AS OF 2020.

# BAMWX 72-HOUR OBS. RAINFALL

#### **PREPARED BY:** JONATHAN KIPPER June 29, 2022

URMA Total Precipitation [inches] Last 72 hours Accum from Sun 06Z26JUN2022 to Wed 06Z29JUN2022







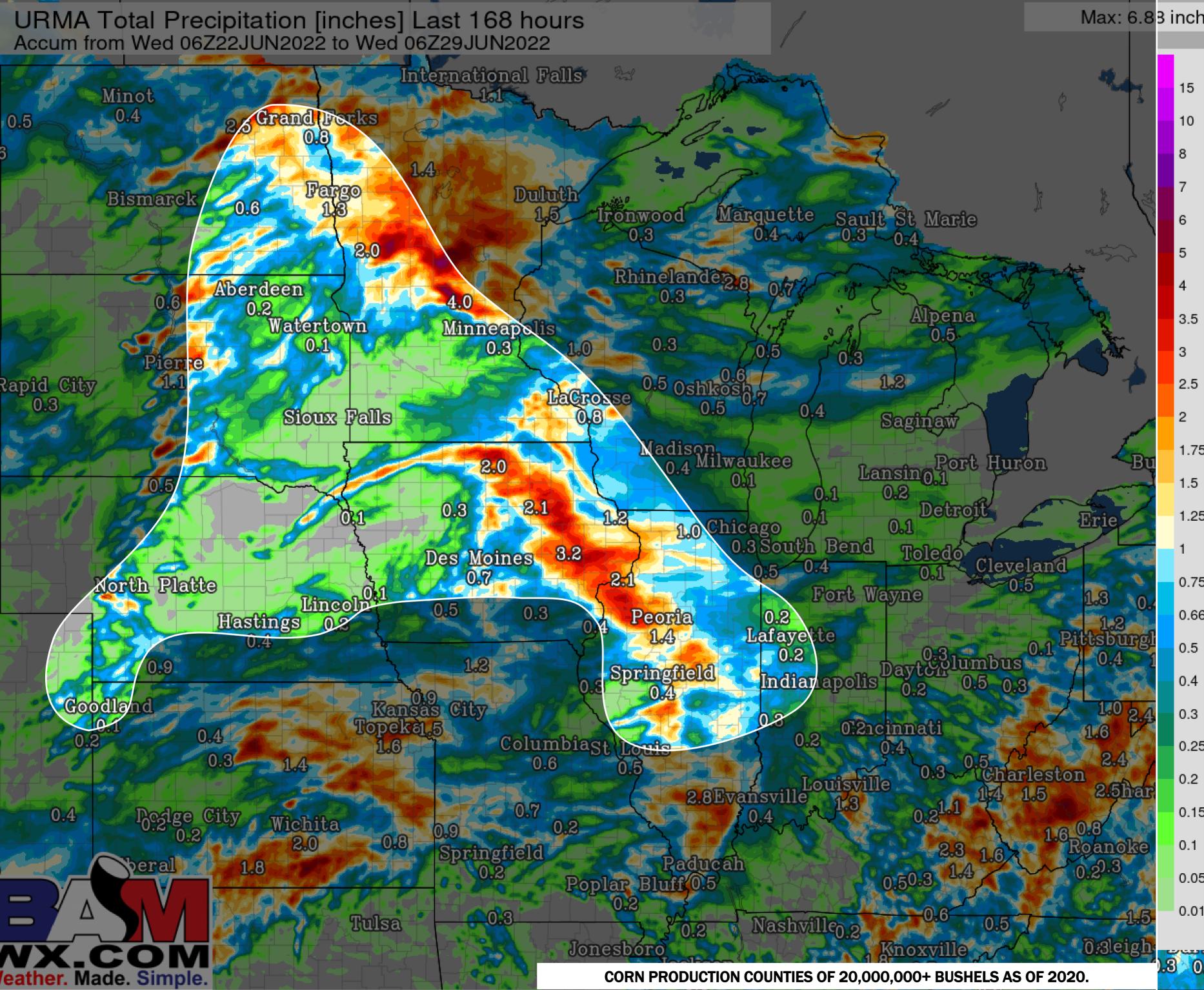
#### Max: 4.11 inch 15 10 8 Sault St Marie 6 0.30.45 04Alpena 3.5 0.5З 0.2 1.1 2.5 0.42 Saginaw 1.75 LansingPort Huron 1.5 Detroit 1.25 $\mathbf{Eri}\epsilon$ South Bend Toledó Cleveland 0.5 0.1 0.75 Fort Wayne 1.3 0. 0.66 0.8 Pittsburg Lafayette 0.5 0.1 Dayten lumbus 0.1 0.2 Indianapolis' 0.4 0.2 0.4 0.8 0.3 0.21cinnati 0.6 0.2 0.25 0.5 2.8Evansville Charleston 0.2 1.2har 111 1.0 0.10.7 0.15 0.8 0.4 Roanoke 0.1 1.5 0.30.3 1.0 0.10.05 0.01 Nashville0.2 0.5 **0**:3leigh Knoxville .1

CORN PRODUCTION COUNTIES OF 20,000,000+ BUSHELS AS OF 2020.

# BAMWX 7-DAY OBS. RAINFALL

#### **PREPARED BY:** JONATHAN KIPPER June 29, 2022

URMA Total Precipitation [inches] Last 168 hours



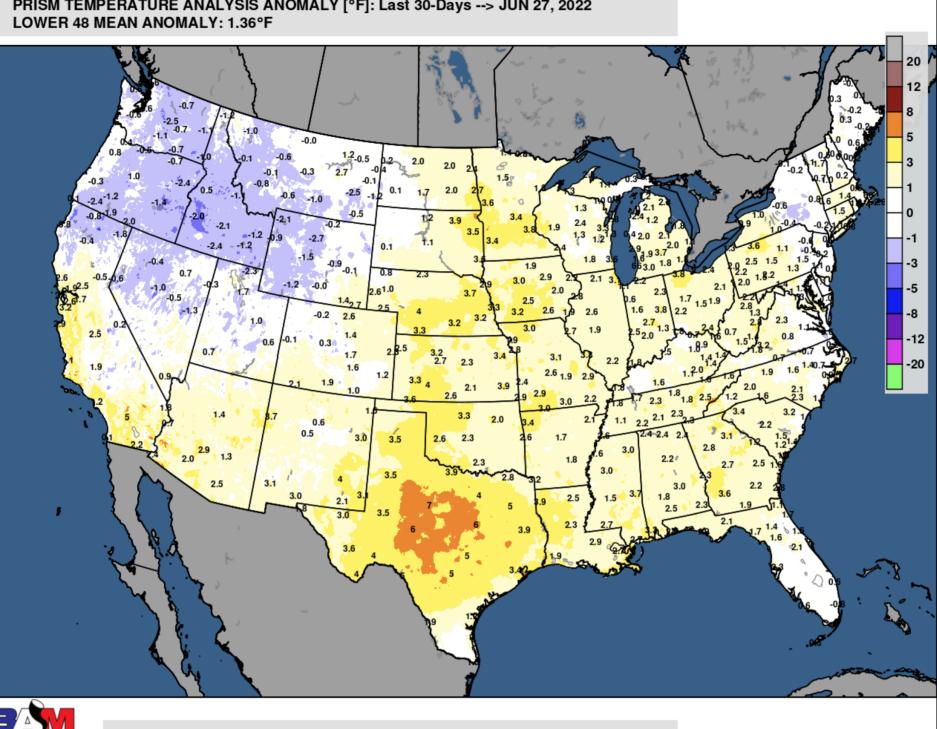


# **30-DAY RAIN/TEMP ANOMALY**

## June 29, 2022

## **PREPARED BY:** JONATHAN KIPPER

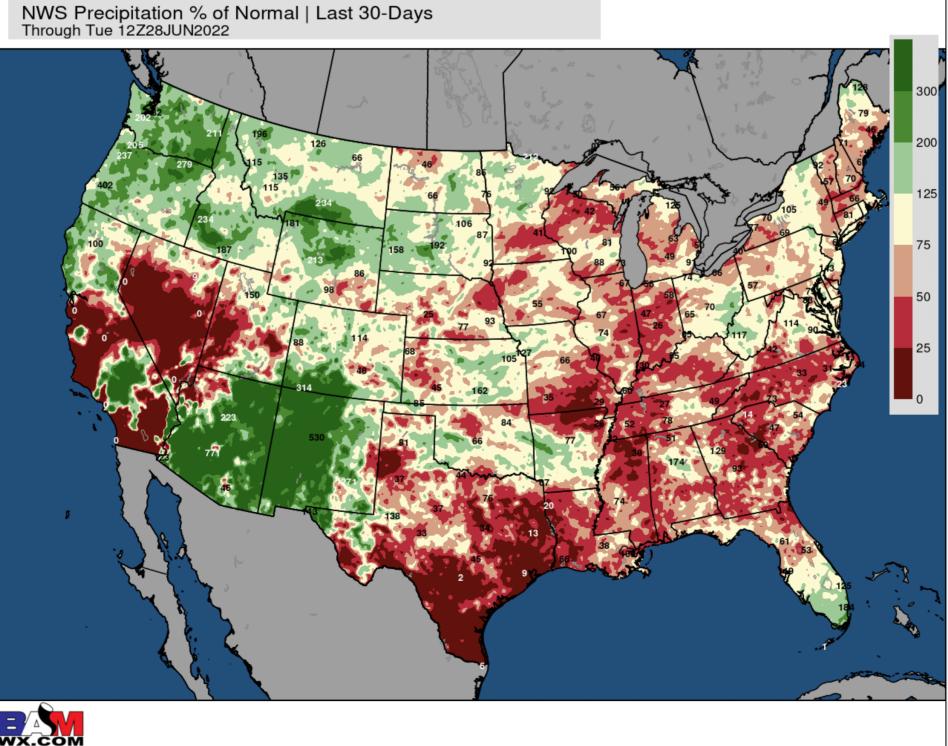
PRISM TEMPERATURE ANALYSIS ANOMALY [°F]: Last 30-Days --> JUN 27, 2022 LOWER 48 MEAN ANOMALY: 1.36°F





PRISM CLIMATE GROUP OREGON STATE UNIV | 1991-2020 HISTORICAL CLIMATOLOGY

NWS Precipitation % of Normal | Last 30-Days Through Tue 12Z28JUN2022







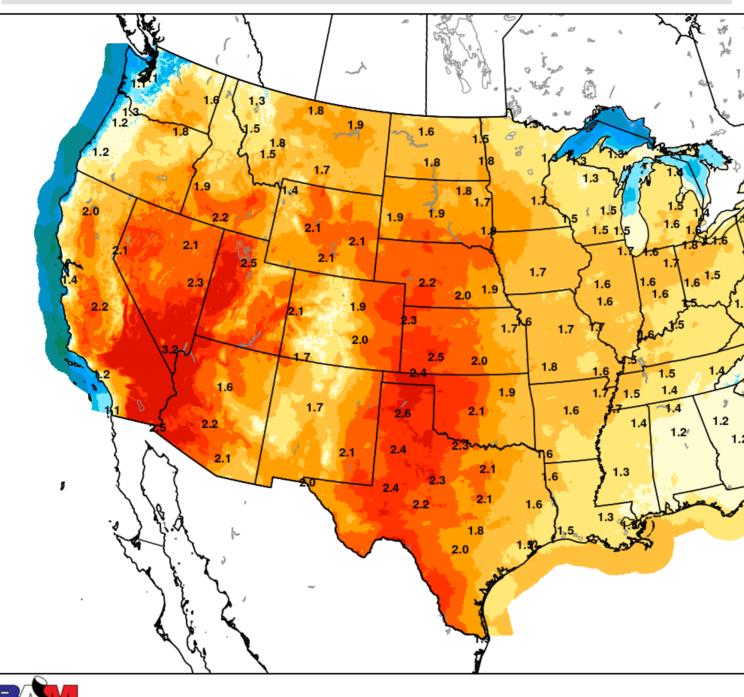


# 7-DAY EVAPOTRANSPIRATION RATE

## June 29, 2022

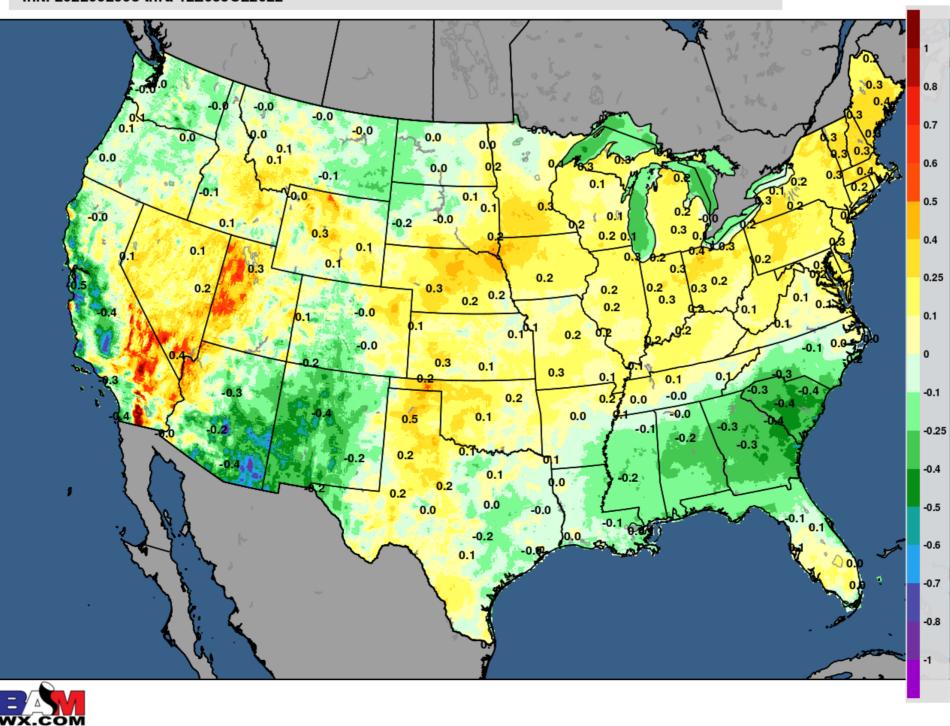
## **PREPARED BY:** JONATHAN KIPPER

NDFD 7-Day Forecast of Reference Crop Evapotranspiration [FRET | inch] Init: 2022062908 thru 12Z05JUL2022





NDFD 7-Day Forecast of Reference Crop Evapotranspiration Departure [FRET Anomaly | inch] Init: 2022062908 thru 12Z05JUL2022







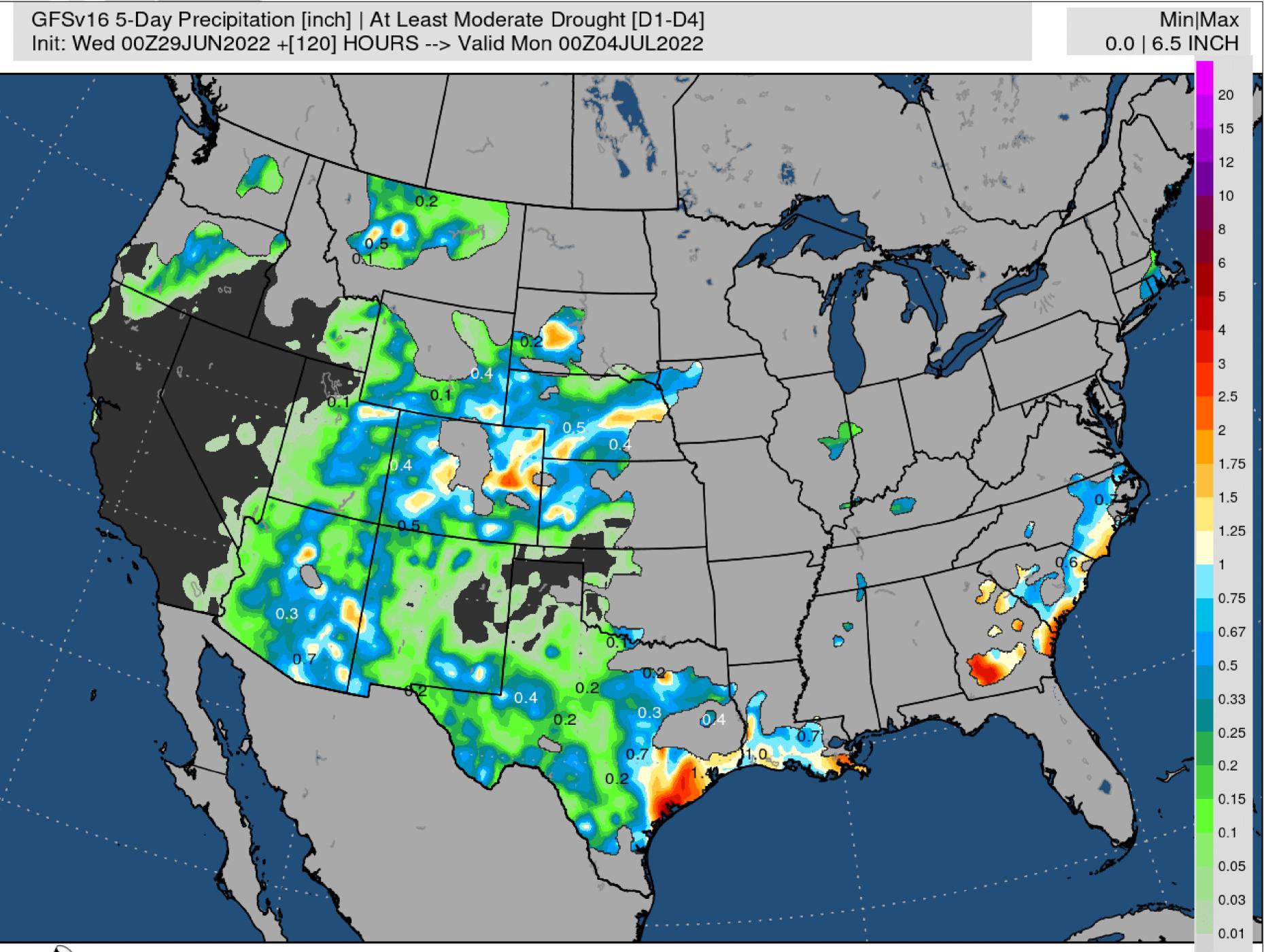


2.25 1.75 1.25 0.9 0.8 0.7 0.6 0.5 0.4 0.3 0.2 0.1 0.05



# GFS 1-5 DAY RAIN + (D1-D4 DROUGHT)

#### **PREPARED BY:** JONATHAN KIPPER June 29, 2022

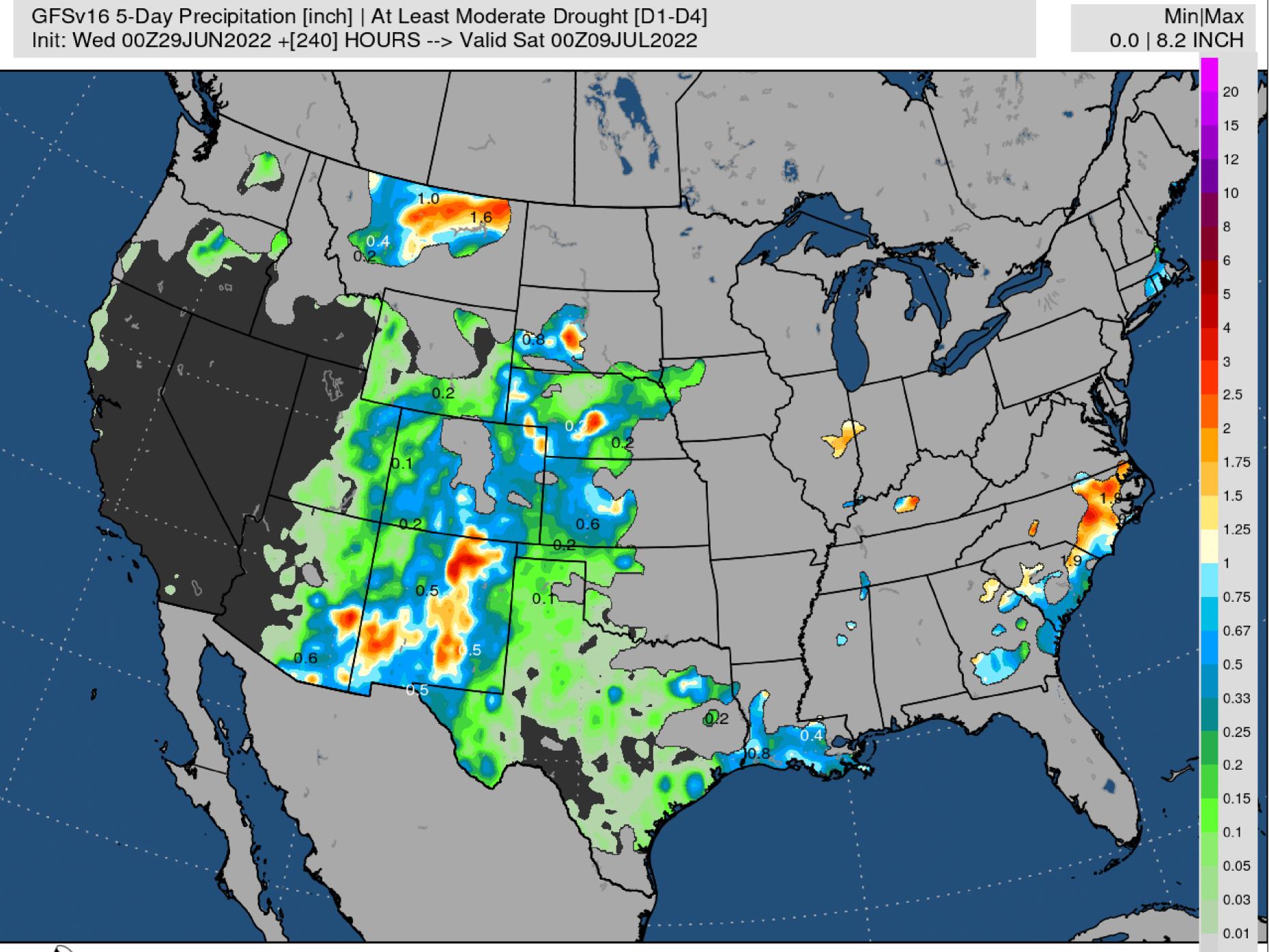






## GFS 6-10 DAY RAIN + (D1-D4 DROUGHT)

#### **PREPARED BY:** JONATHAN KIPPER June 29, 2022







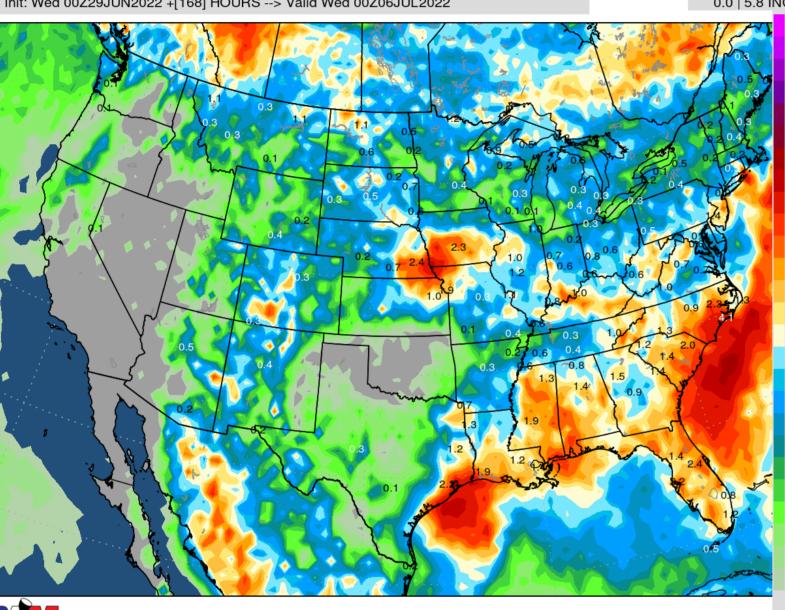
# **BAMWX AM PRECIP TRENDS**

#### **PREPARED BY:** JONATHAN KIPPER June 29, 2022

## Week 1 Euro Precip

ECMWF HRES Accumulated Precipitation [inch] Init: Wed 00Z29JUN2022 +[168] HOURS --> Valid Wed 00Z06JUL2022

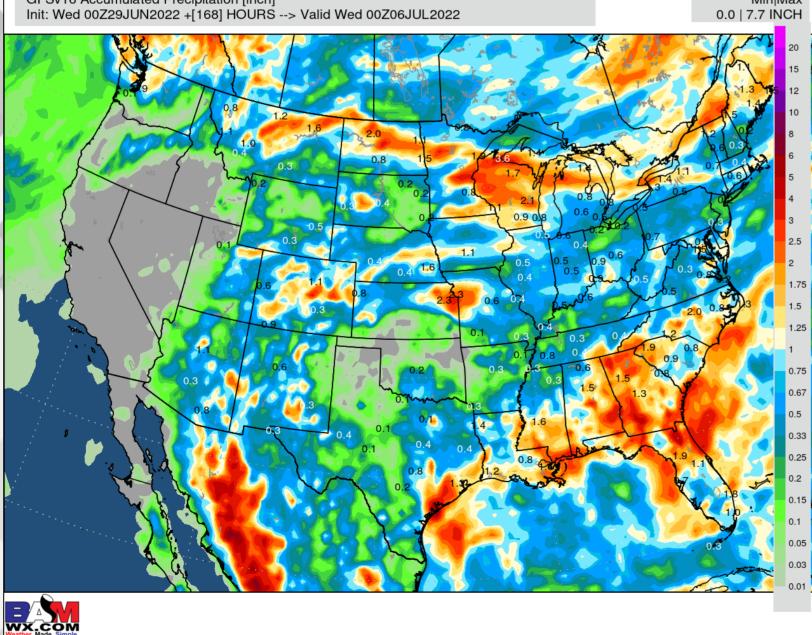
Min|Max 0.0 | 5.8 INCH



## Week 1 GFS Precip

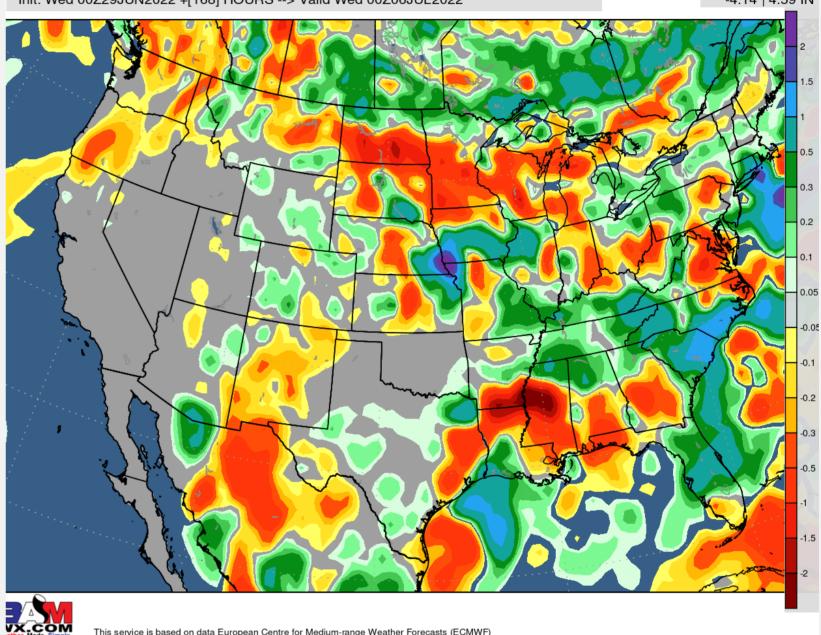
GFSv16 Accumulated Precipitation [inch]

This service is based on data European Centre for Medium-range Weather Forecasts (ECMWF)

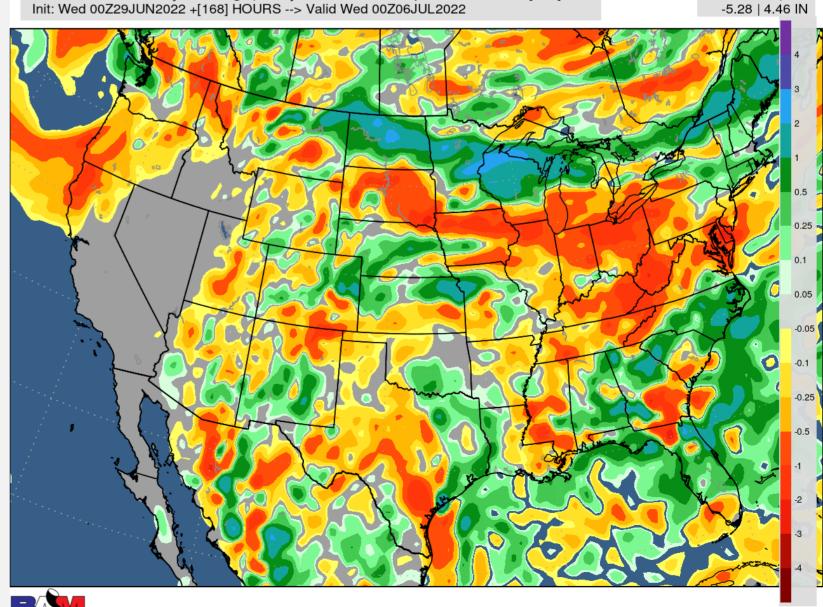


Min|Max





GFSv16 12-hr Model Cycle Change | 7-Day Accumulated Precipitation Difference [inch] Init: Wed 00Z29JUN2022 +[168] HOURS --> Valid Wed 00Z06JUL2022



E WX.COM



## Week 1 Euro Changes

ECMWF HRES 12-hr Model Cycle Change | 7-Day Accumulated Precipitation Difference [inch] Init: Wed 00Z29JUN2022 +[168] HOURS --> Valid Wed 00Z06JUL2022

Min|Max -4.14 | 4.59 IN

This service is based on data European Centre for Medium-range Weather Forecasts (ECMWF)

## Week 1 GFS Changes

Min|Max

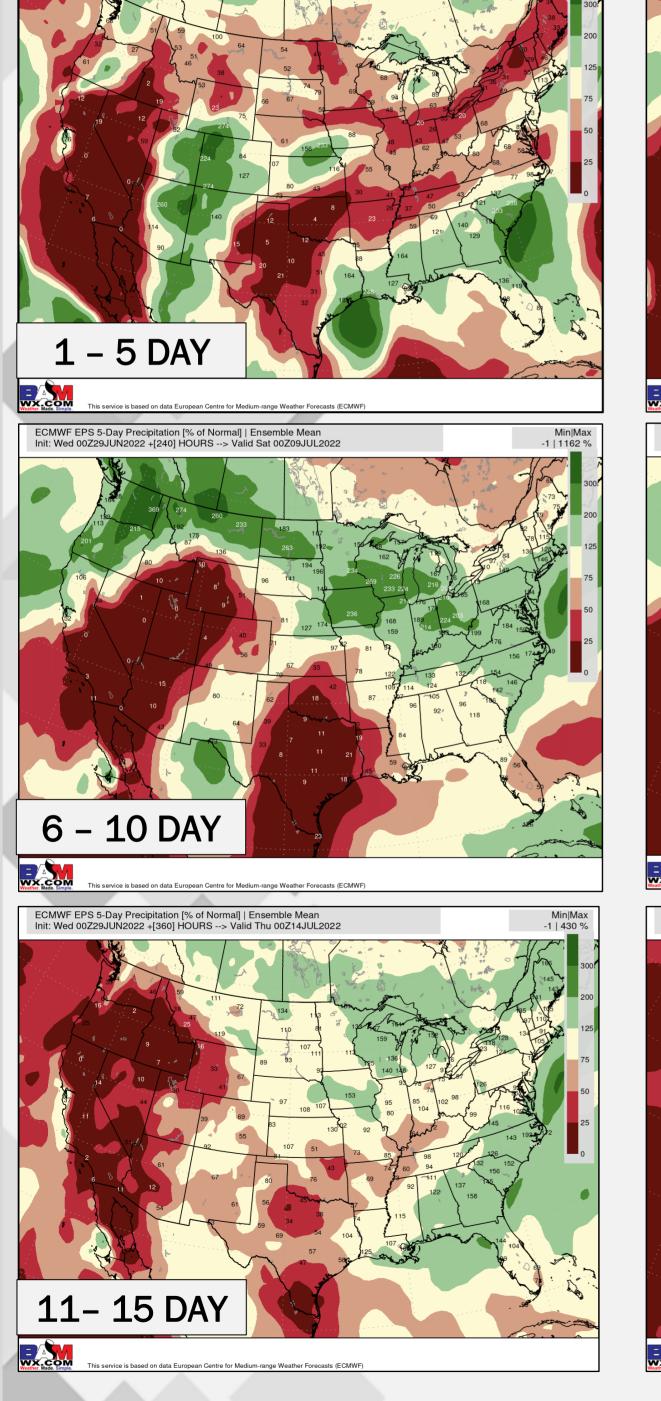
## BAMWX AM PRECIP DATA **PREPARED BY:** JOSH COLLINS June 29, 2022

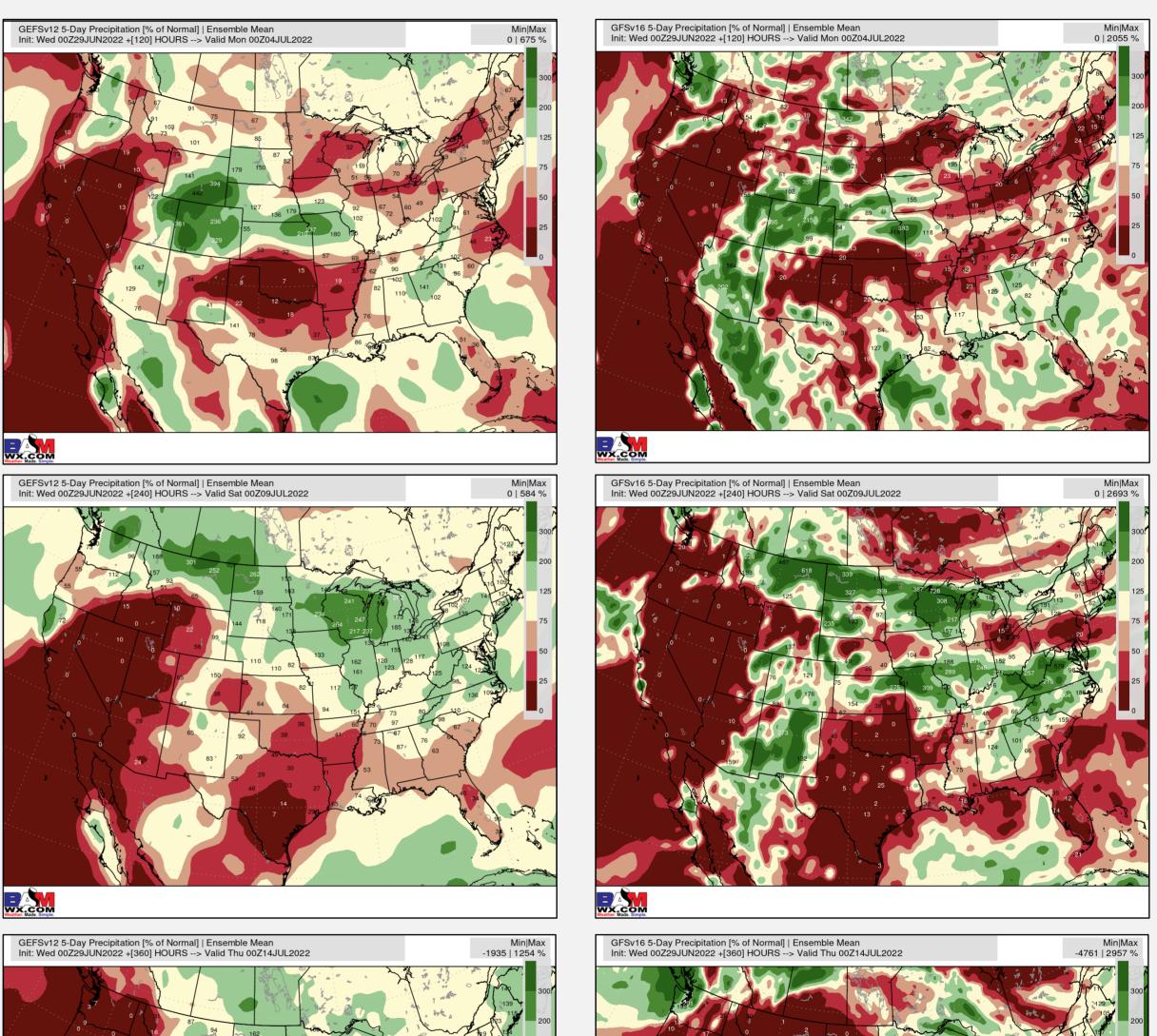
Min|Max 0 | 1649 %

### EPS

ECMWF EPS 5-Day Precipitation [% of Normal] | Ensemble Mean Init: Wed 00Z29JUN2022 +[120] HOURS --> Valid Mon 00Z04JUL2022

## **GEFS**





E M





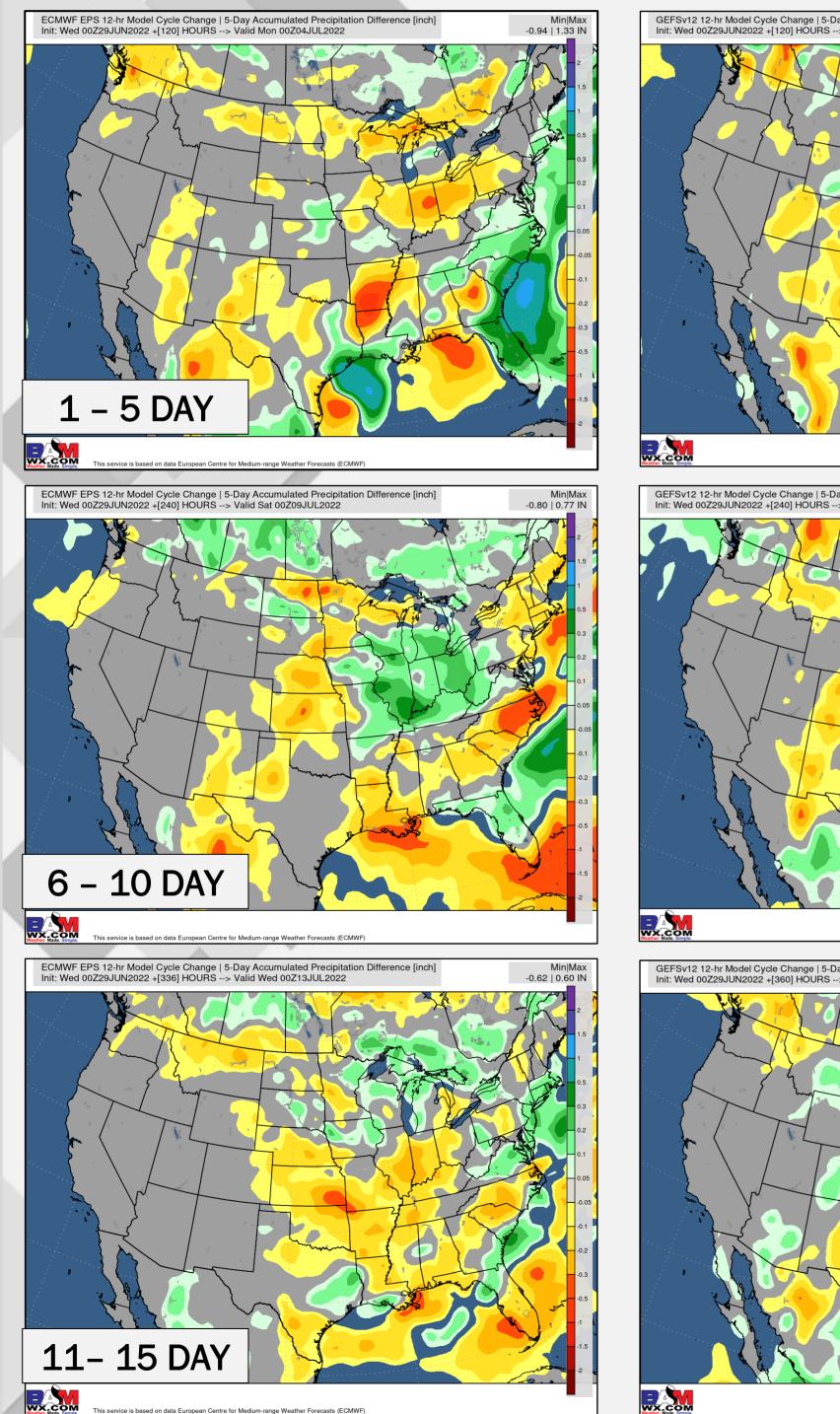


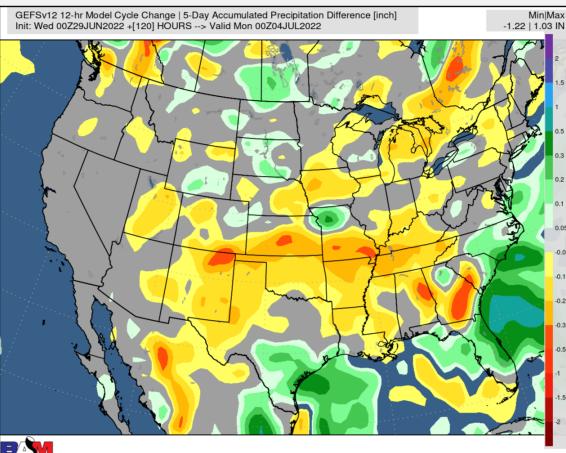
= SM

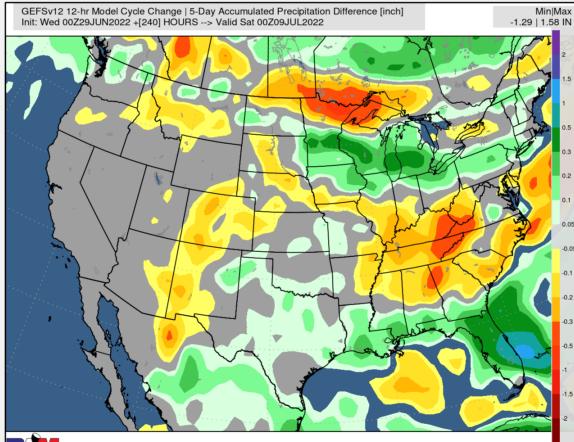
## BAMWX AM PRECIP DATA CHANGES June 29, 2022 | PREPARED BY: JOSH COLLINS

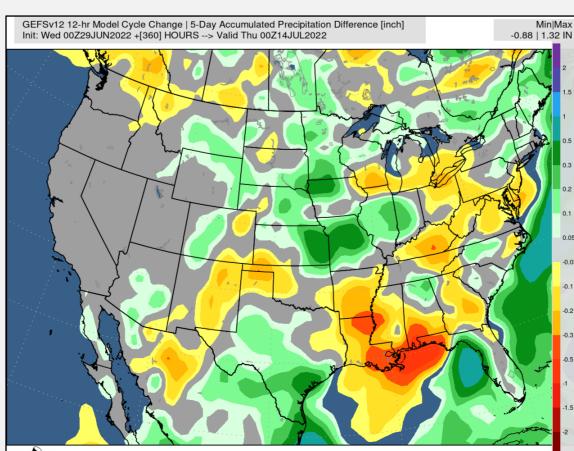
### EPS

## **GEFS**







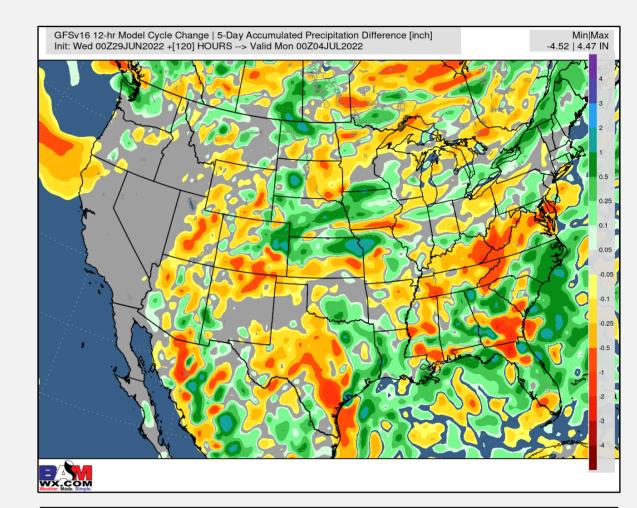




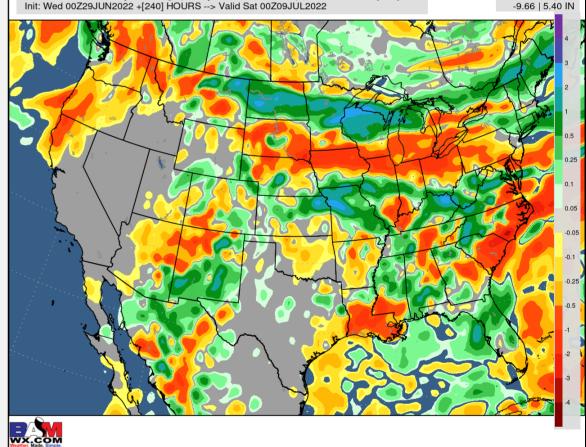


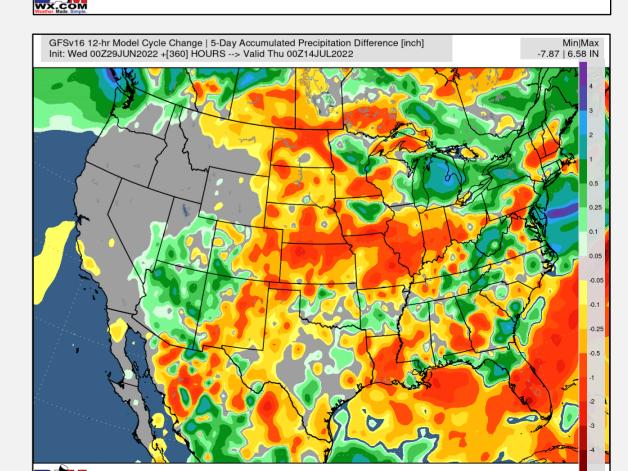
Min|Max





GFSv16 12-hr Model Cycle Change | 5-Day Accumulated Precipitation Difference [inch] Init: Wed 00Z29JUN2022 +[240] HOURS -> Valid Sat 00Z09JUL2022



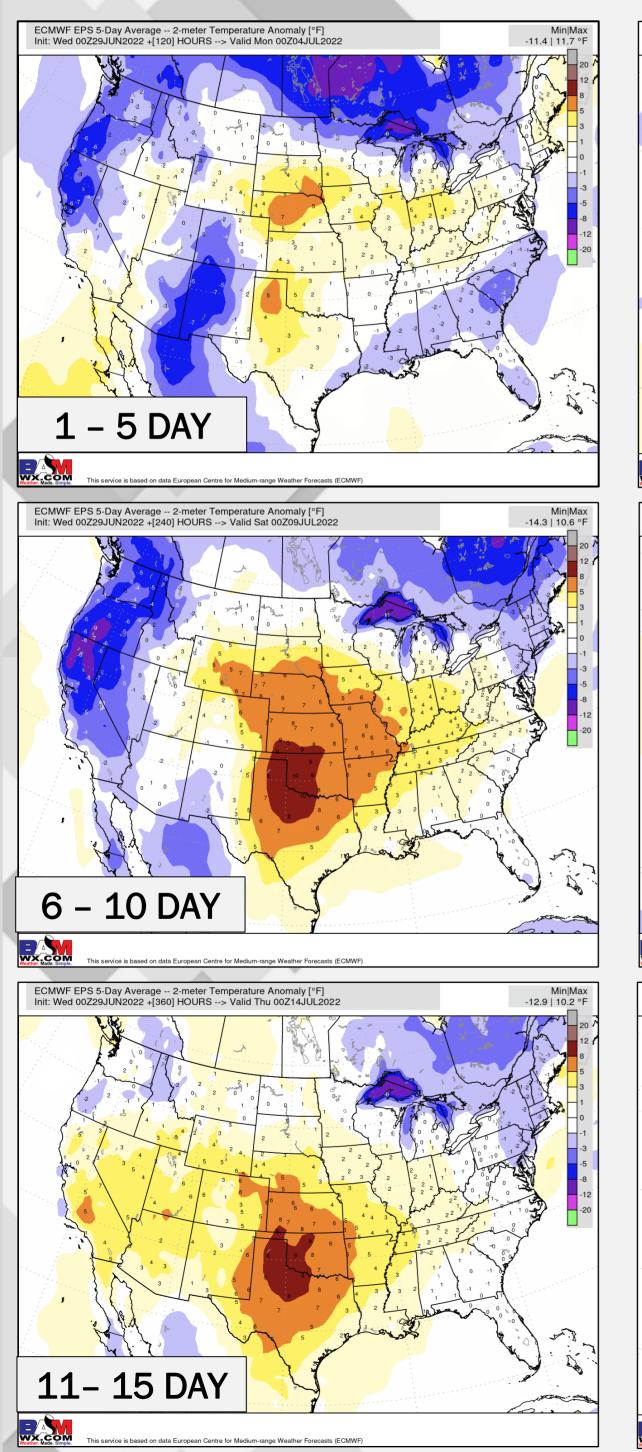


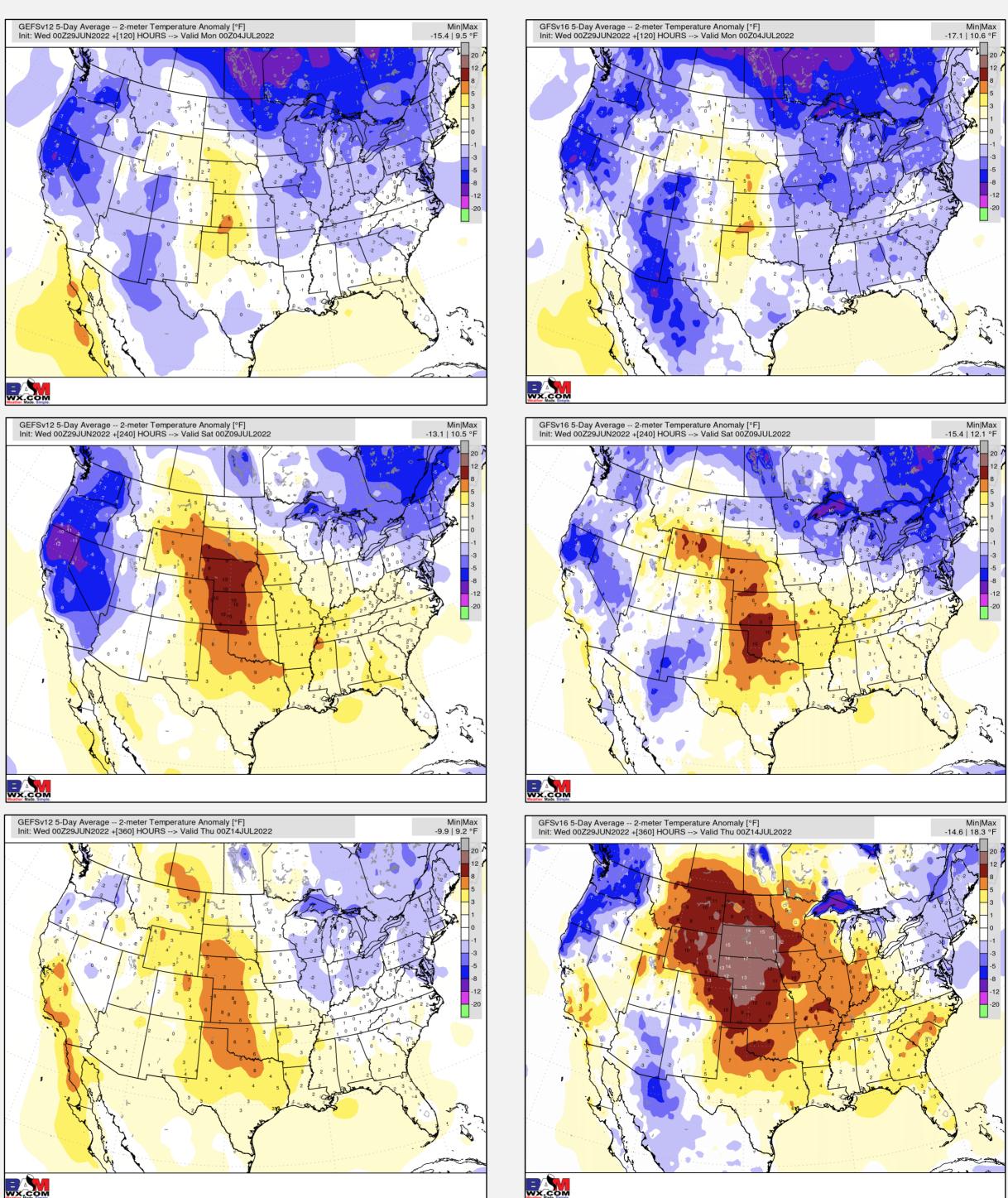
## BAMWX AM TEMP DATA

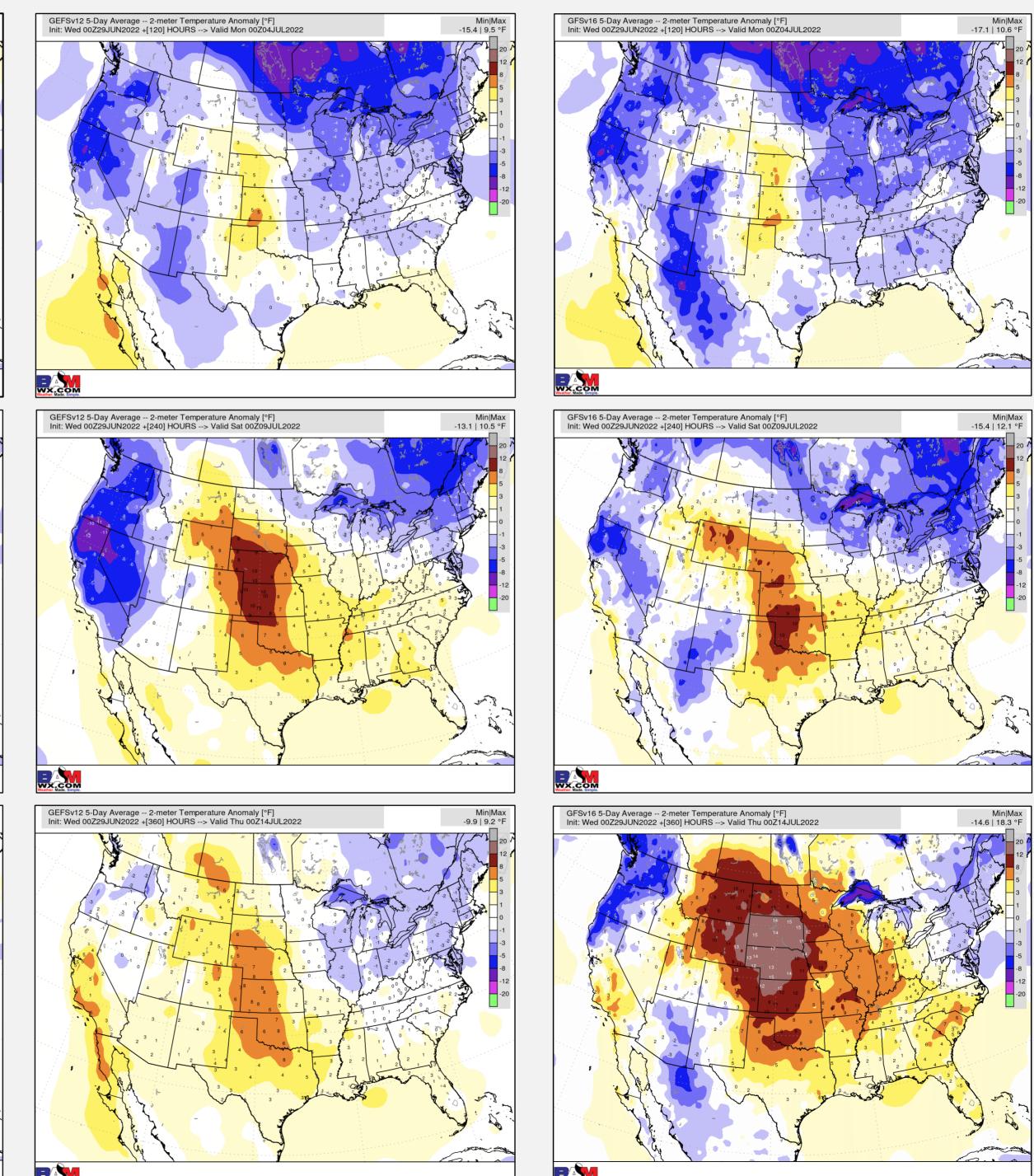
## June 29, 2022 PREPARED BY: JOSH COLLINS

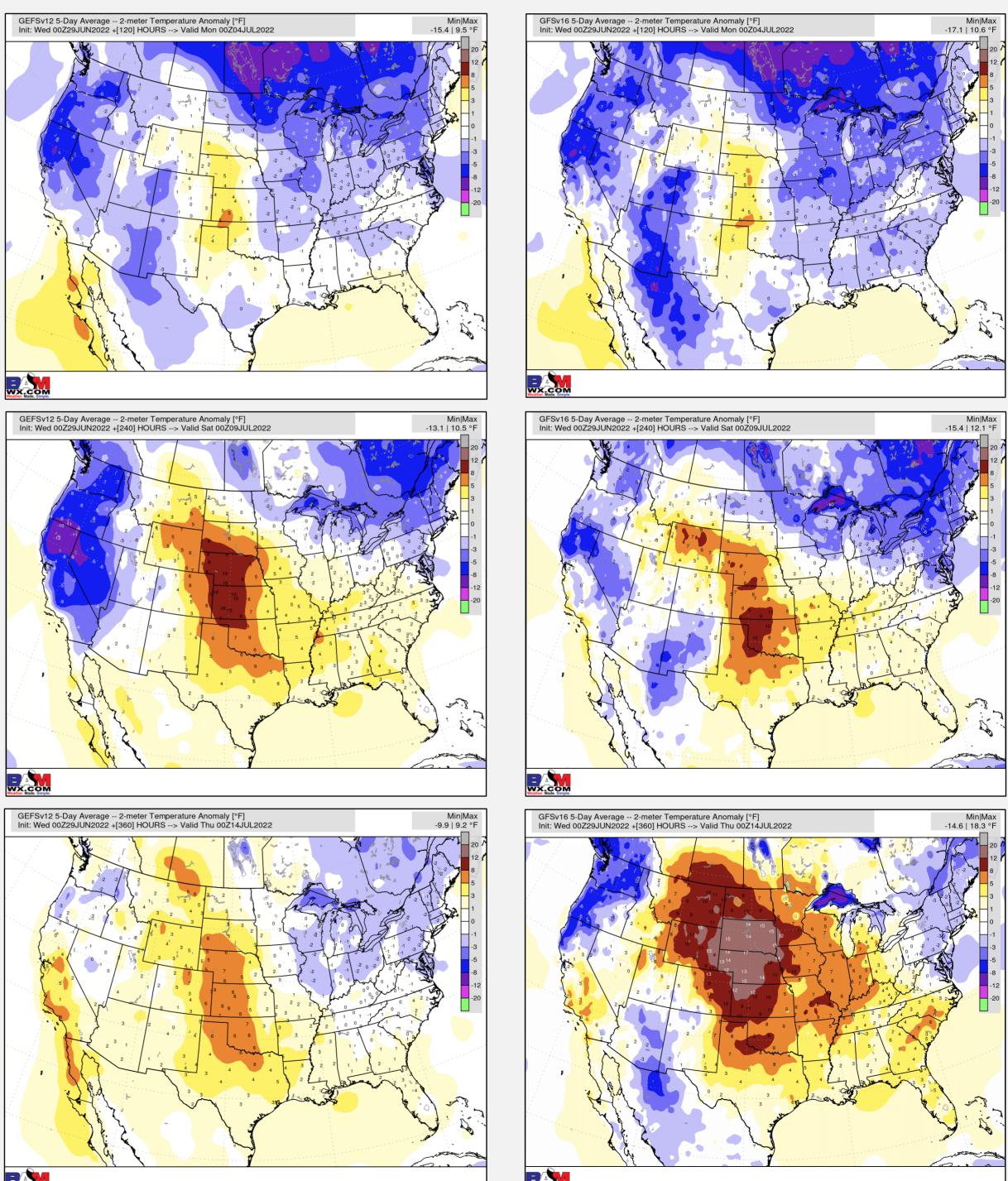
### EPS

## GEFS









E SW



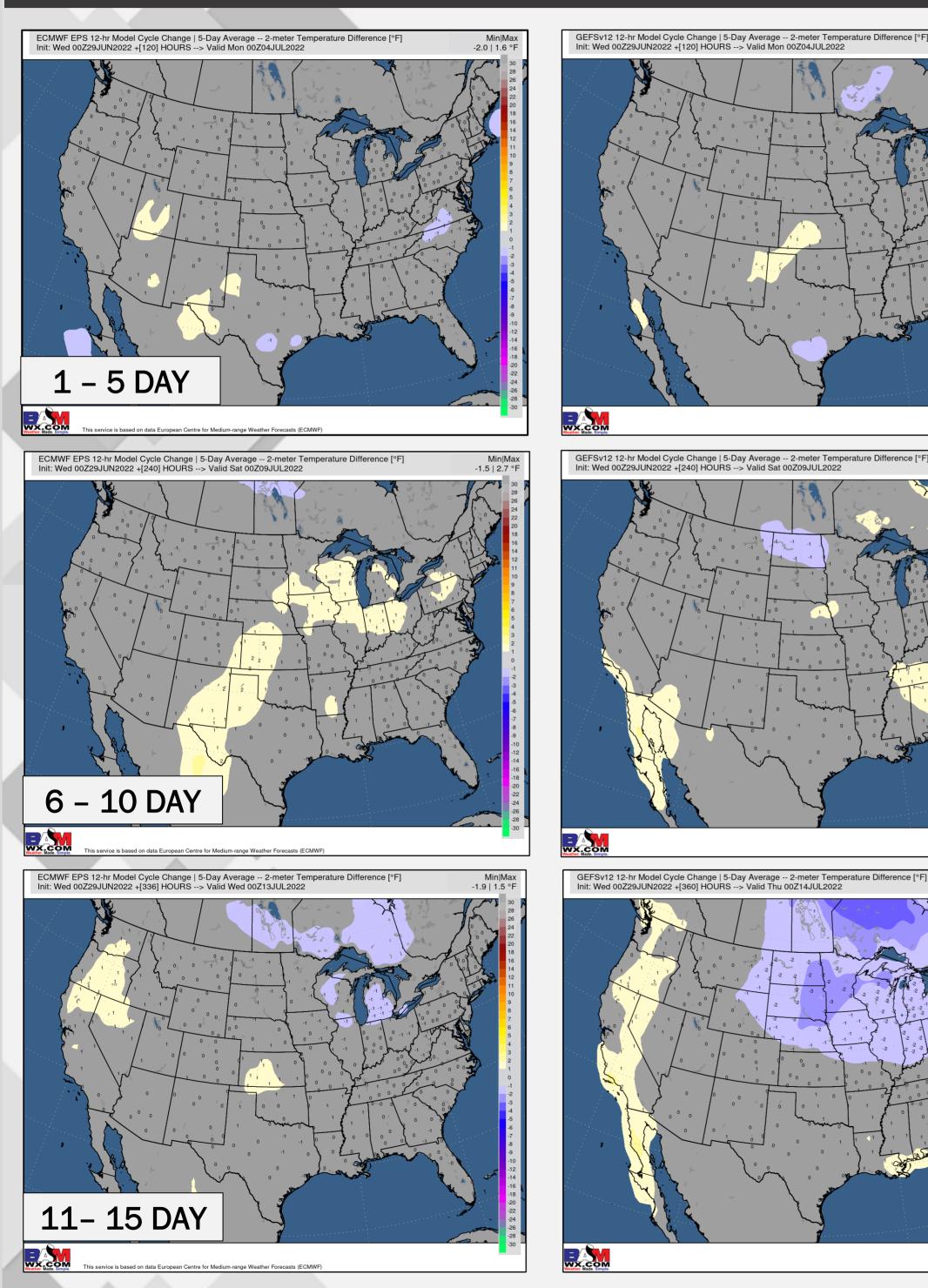


# BAMWX AM TEMP DATA CHANGES

## June 29, 2022 **PREPARED BY:** JOSH COLLINS

### **EPS**

## **GEFS**





Min|Max

Min|Max

-1.7 | 3.0 °F

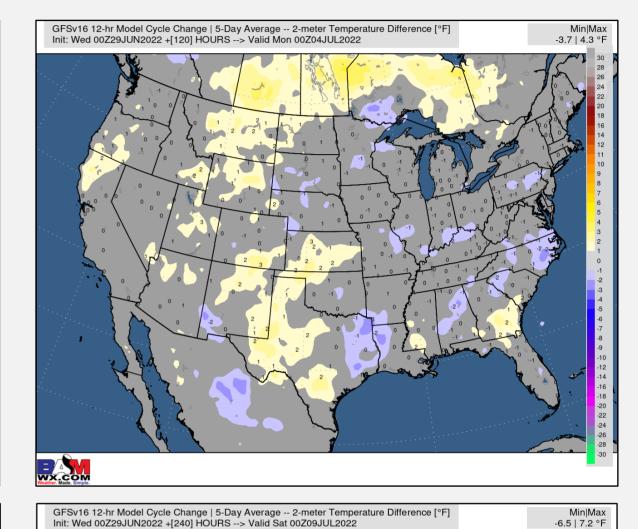
Min|Max

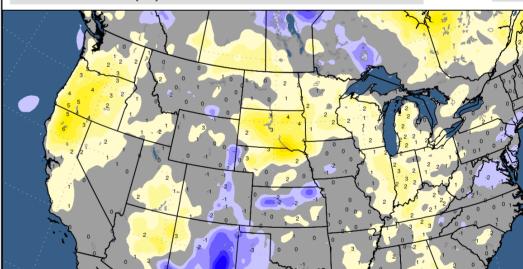
-4.9 | 3.4 °F

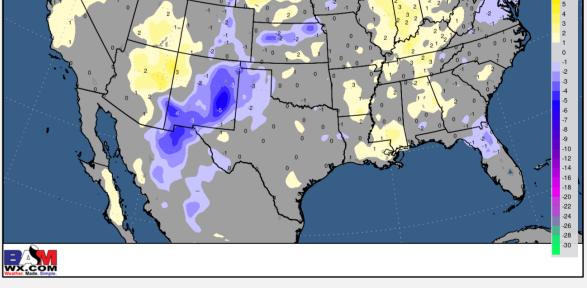
2.0 | 1.9 °F

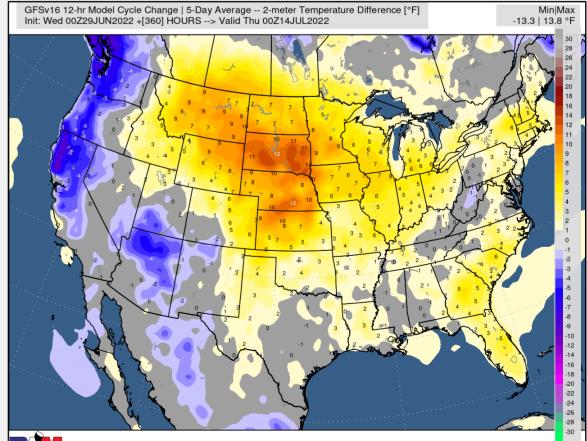












E SM