

Weather Forecasting For Traders, Investors, and Businesses

# US GRAIN WEATHER ISSUES

# as of FRIDAY 1 SEPT 2017



LOCATED in Richmond VA

Featured frequently on AGRI-MONEY

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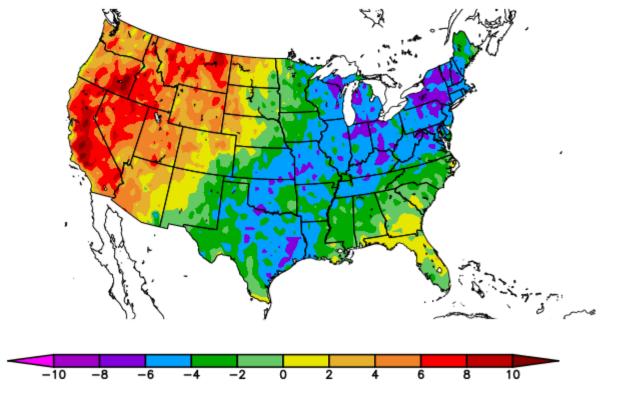


#### Who we are

WxRisk is a private, subscription, Weather Forecasting Company. Founded in 1998, the company specializes in providing the most detailed and accurate weather forecasts for Days 3 through 30, as well as seasonal forecasts, for Grain Traders , Farmers, Energy Traders, Construction companies, Oil and Heat associations, Wineries and other businesses impacted by weather. Geographic areas covered include, but are not limited to: The Middle Atlantic region of the U.S., all of the Continental U.S., South America, Europe, Ukraine/Southern and western Russia, Kazakhstan, India, Australia & China. Current and previous clients include large and mid-size commodity trading houses, energy firms, gas and propane companies, ski resorts, individual farmers and business involved in providing transportation and construction services thought the world.

## TEMP ANOMALIES LAST 7 DAYS.. Now much cooler

Departure from Normal Temperature (F) 8/24/2017 - 8/30/2017



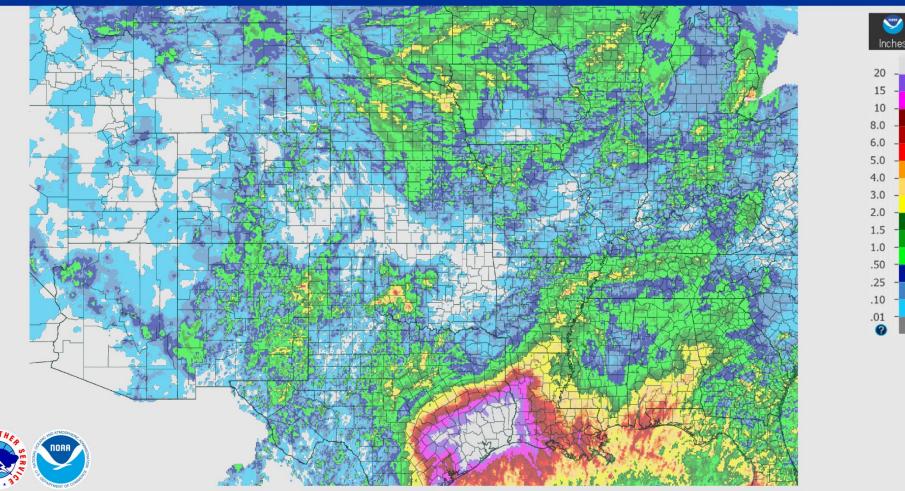
Generated 8/31/2017 at HPRCC using provisional data.

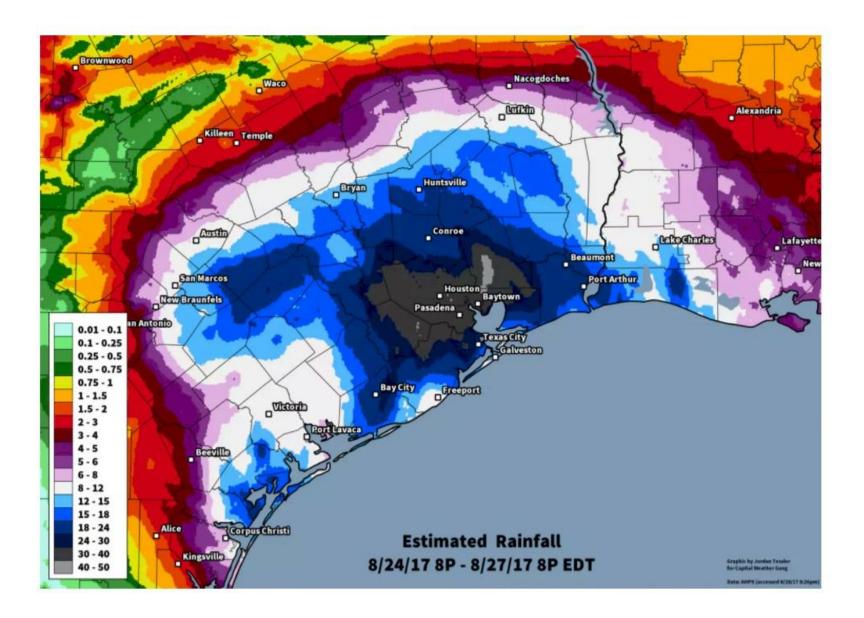
NOAA Regional Climate Centers

# **RAINFALL PAST 7 DAYS**—

#### August 31, 2017 7-Day Observed Precipitation Created on: September 01, 2017 - 06:29 UTC

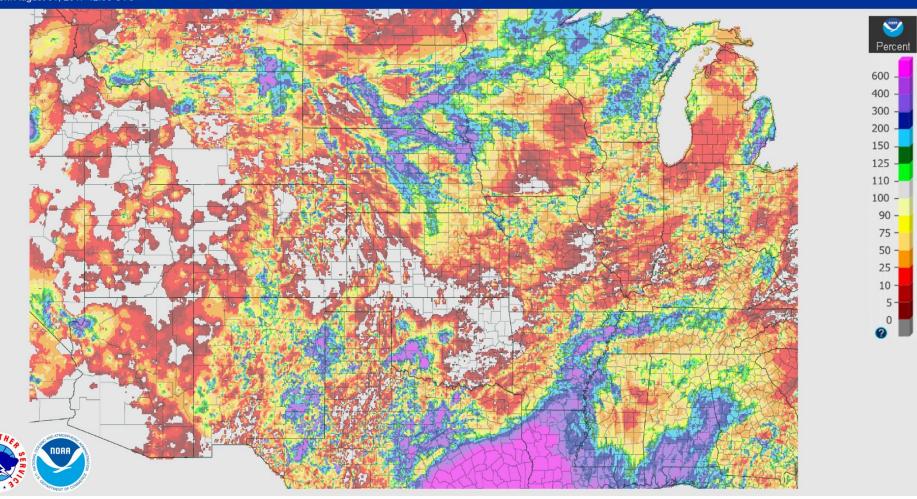
Valid on: August 31, 2017 12:00 UTC

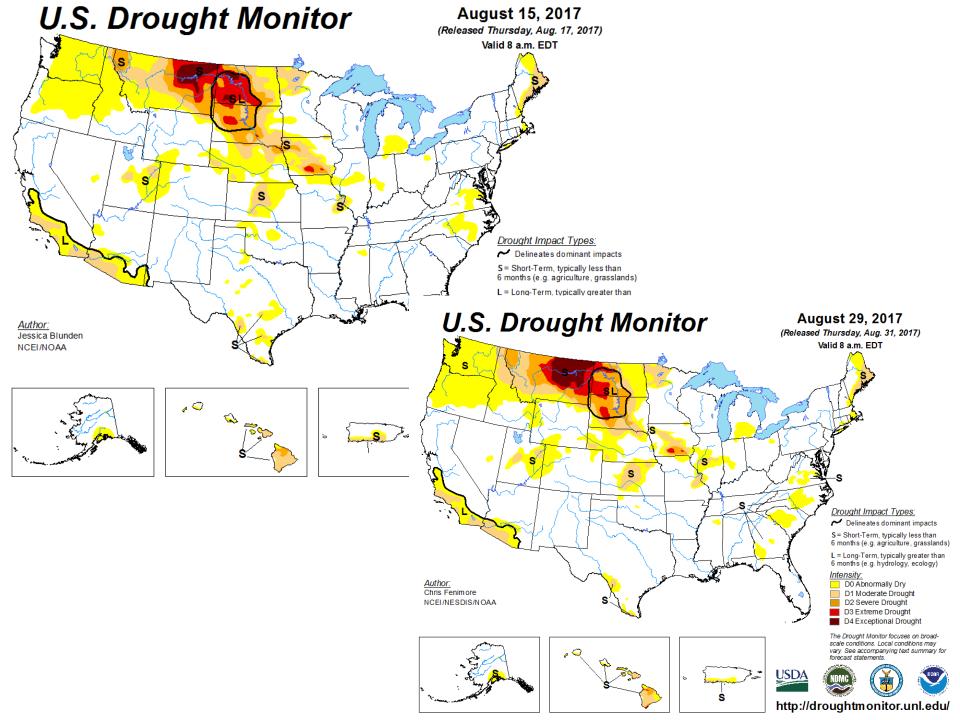




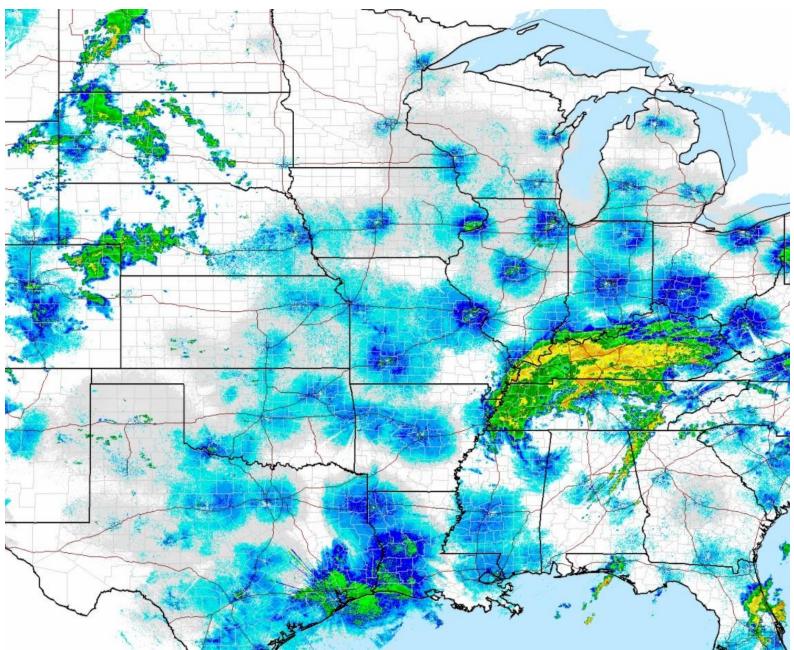
# PRECIP ANOMALIES PAST 7D-

August 31, 2017 7-Day Percent Precipitation Created on: September 01, 2017 - 12:21 UTC Valid on: August 31, 2017 12:00 UTC

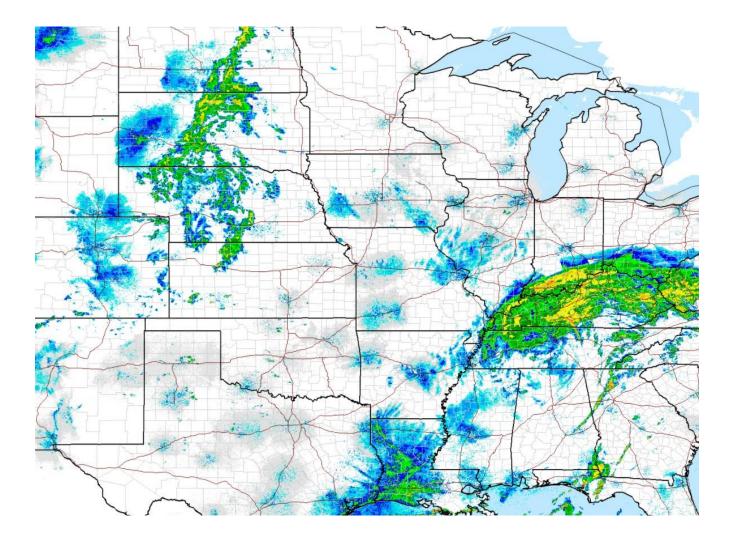




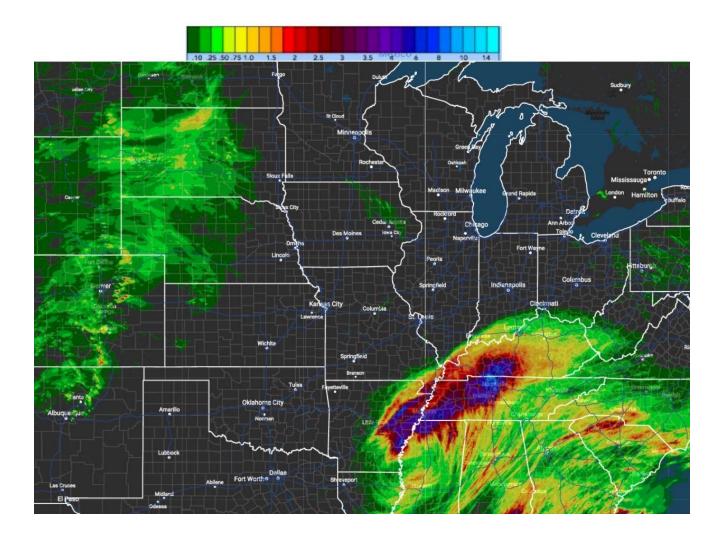
# RADAR 12 AM FRIDAY

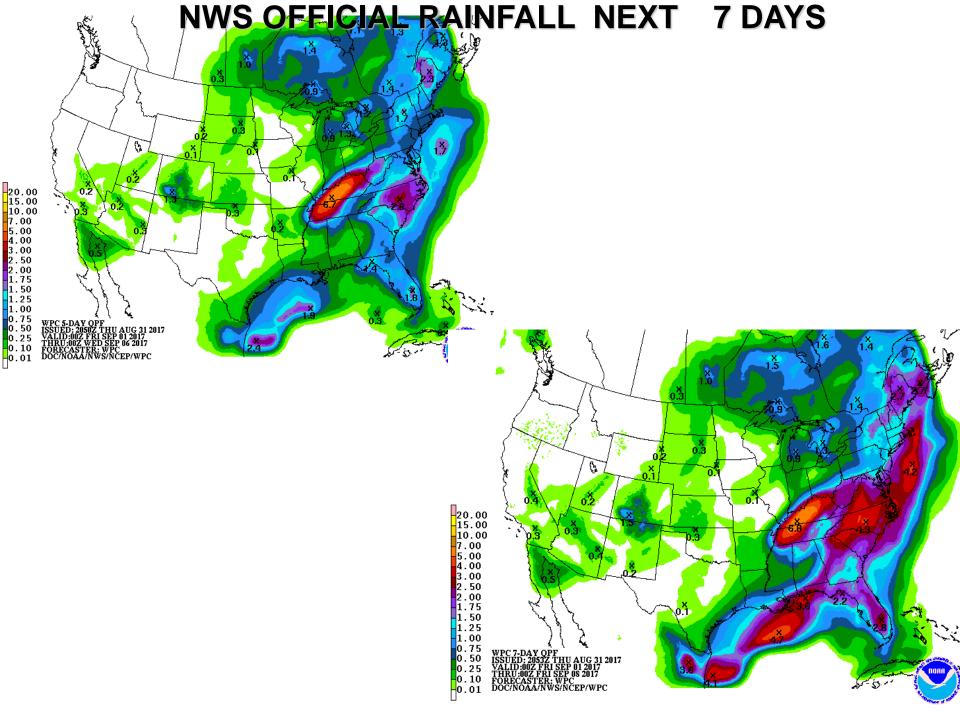


# RADAR 7AM CDT FRIDAY

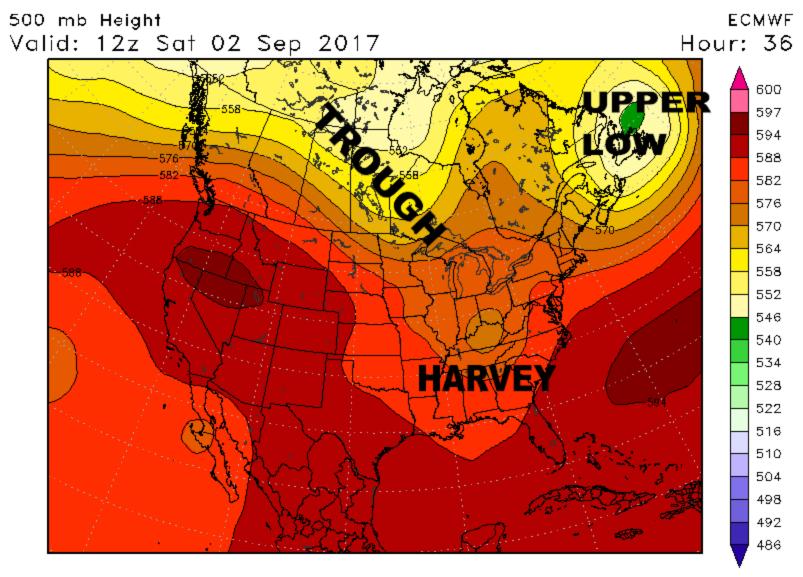


## RAINFALL AS OF SEPT 1- Harvey still dropping heavy rains over ne ARK nw MS... western/ central TN... southern KY





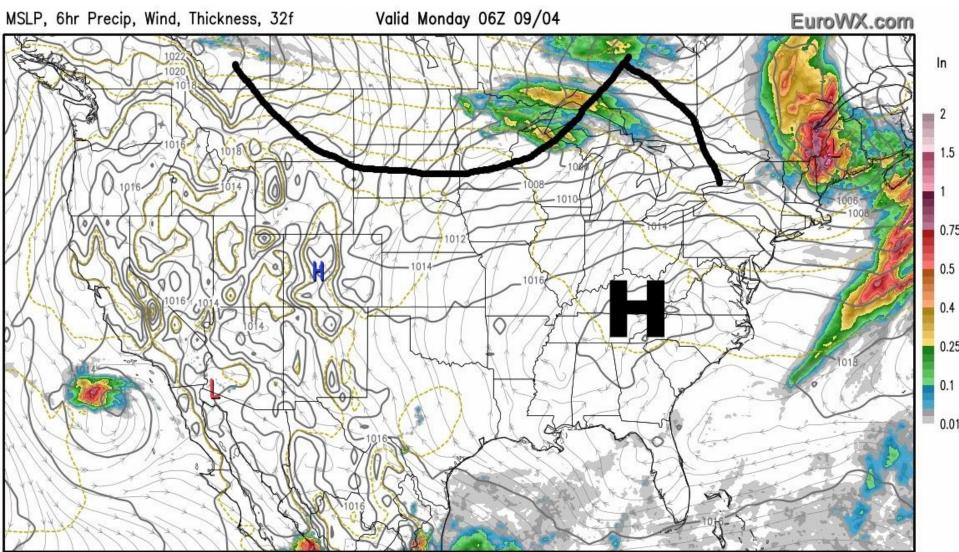
#### 500mb map sept 1



StormVistaWxModels.com

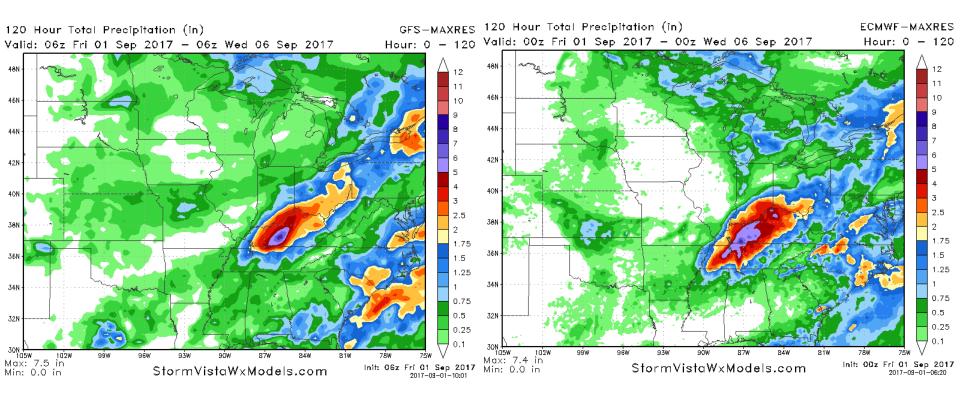
Init: 00z Fri 01 Sep 2017 2017-09-01-01:56

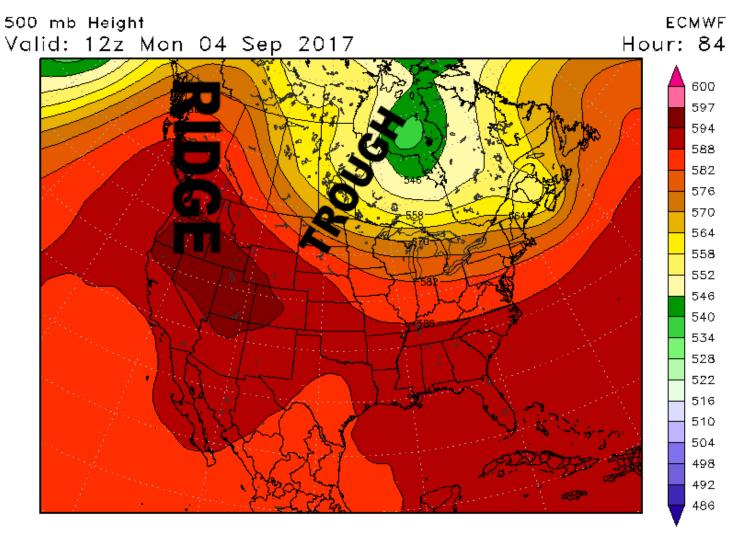
### SURFACE map Sunday



ECMWF HRES MODEL RUN 00Z 09/01 78hr FORECAST This service is based on data and products of the European Center for Medium-range Weather Forecasts.

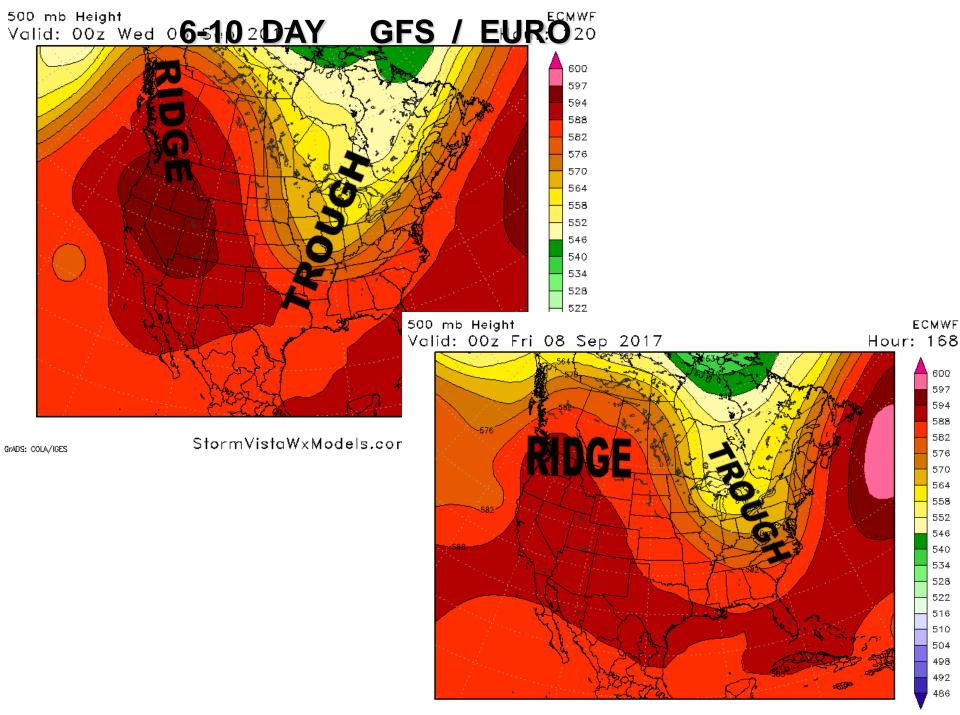
#### NEXT 5 DAYS GFS LEFT EURO RIGHT





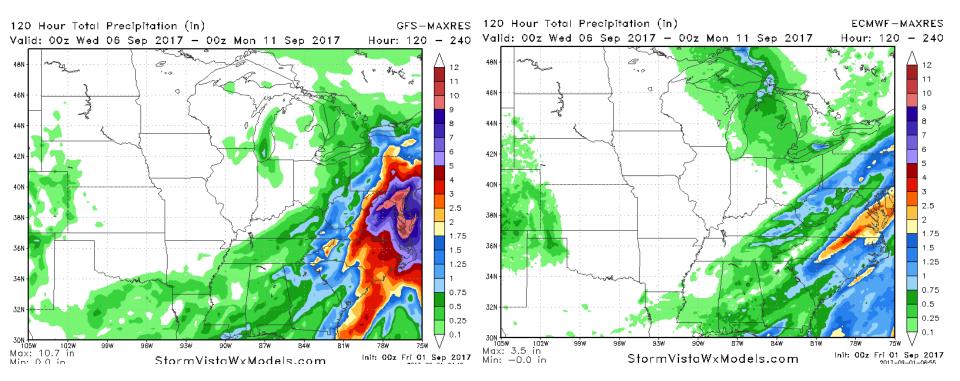
StormVistaWxModels.com

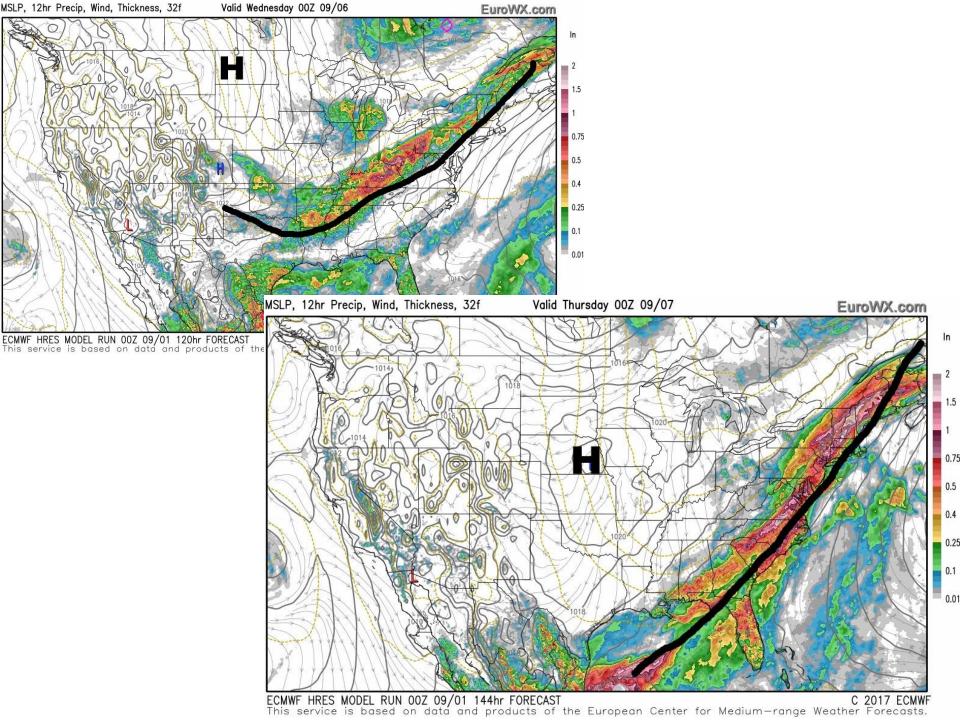
Init: 00z Fri 01 Sep 2017 2017-09-01-02:10



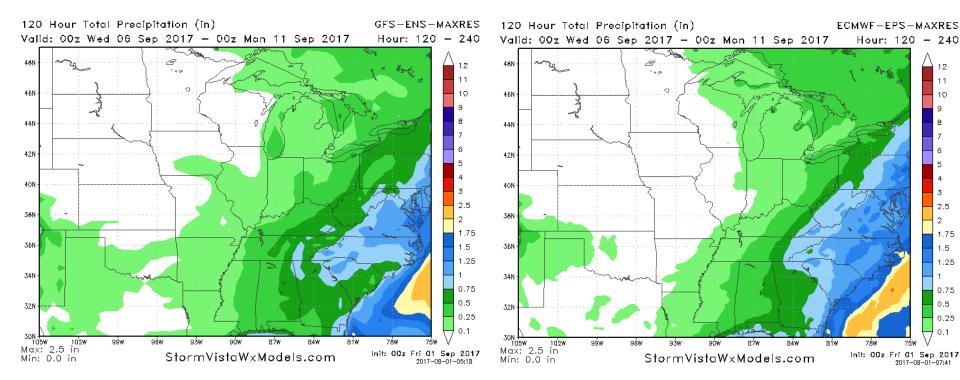
00- Er! 01 Enn 2011

#### 6-10 DAY RAINFALL ... PLAINS/ MIDWEST DRY... GFS super heavy rains over NC VA MD DEL as GFS take IRMA into east coast. EURO has IRMA Well off the coast so its drier..

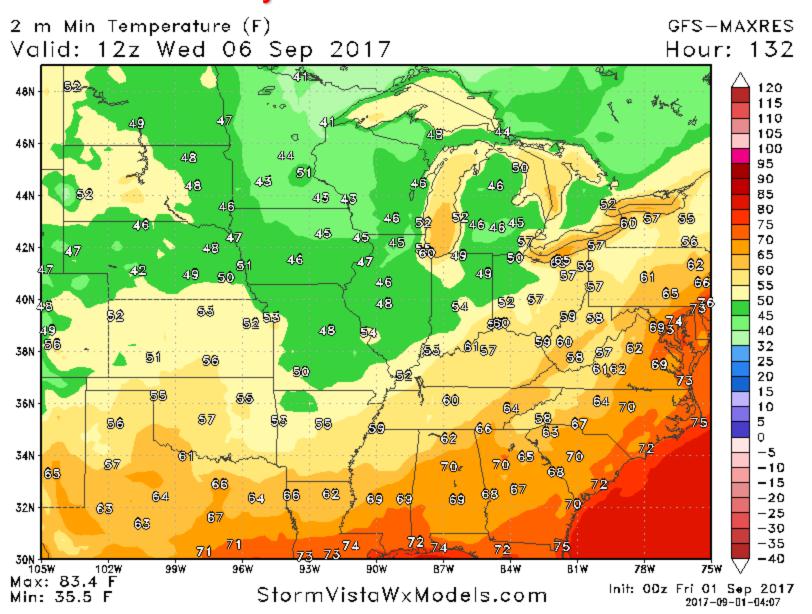




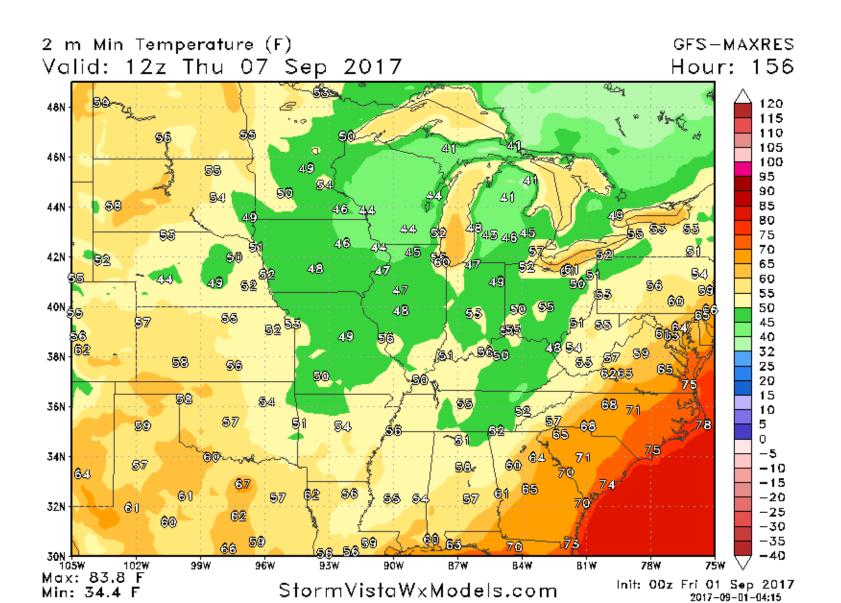
#### 6-10 DAY ENSEMBLES – again DRY all over Plains and Midwest Mostly dry over Delta



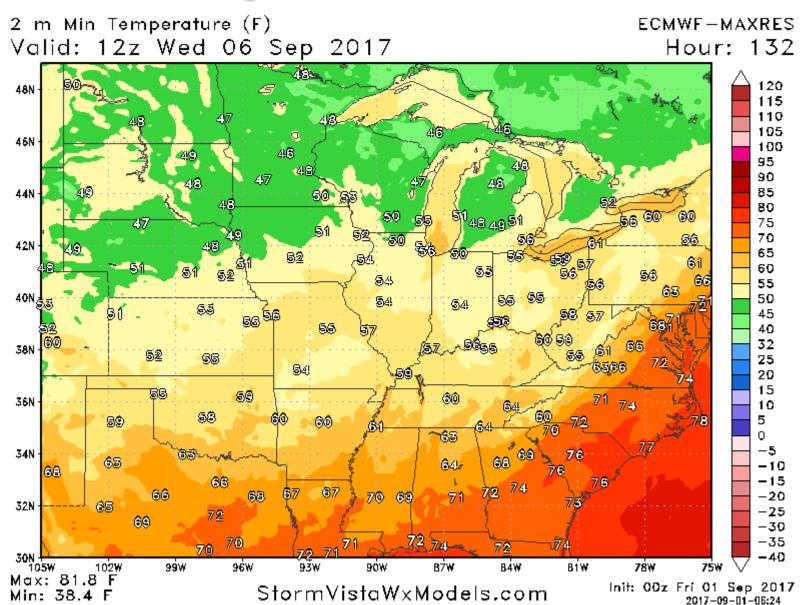
# **OZ GFS MIN TEMPS FORECAST FOR SEPT 6..** GFS shows cold air to be weaker and weaker with each model run. Note only 30s over ne third of MN



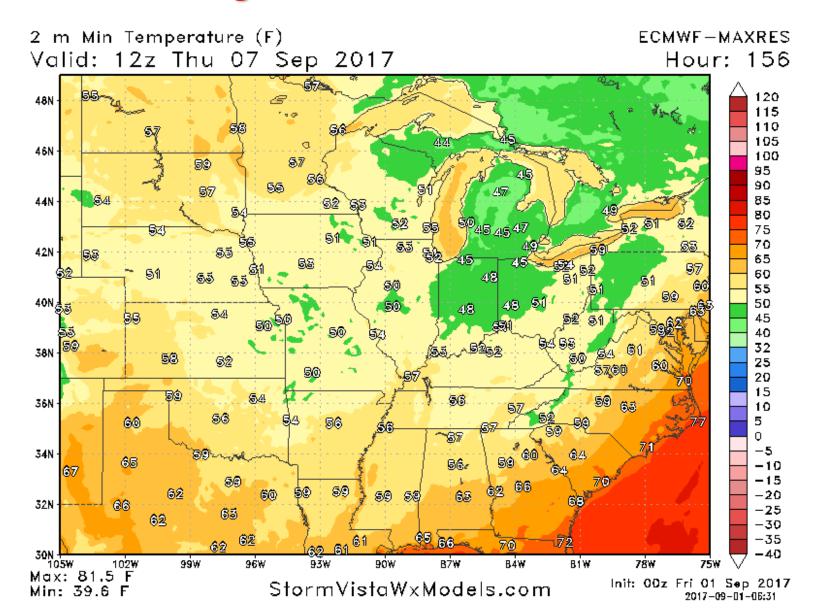
# **0Z GFS MIN TEMPS FORECAST FOR SEPT 7..** GFS shows cold air to be weaker and weaker with each model run.



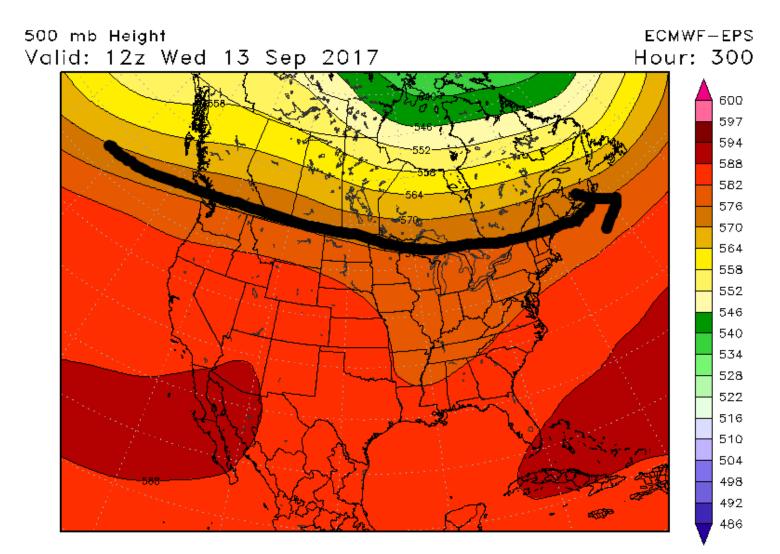
#### 0Z EURO MIN TEMPS FORECAST FOR SEPT 6.. 40s only - no readings in 30s.. Clearly GFS is trending towards euro



#### 0Z EURO MIN TEMPS FORECAST FOR SEPT 7.. 40s only - no readings in 30s.. Clearly GFS is trending towards euro



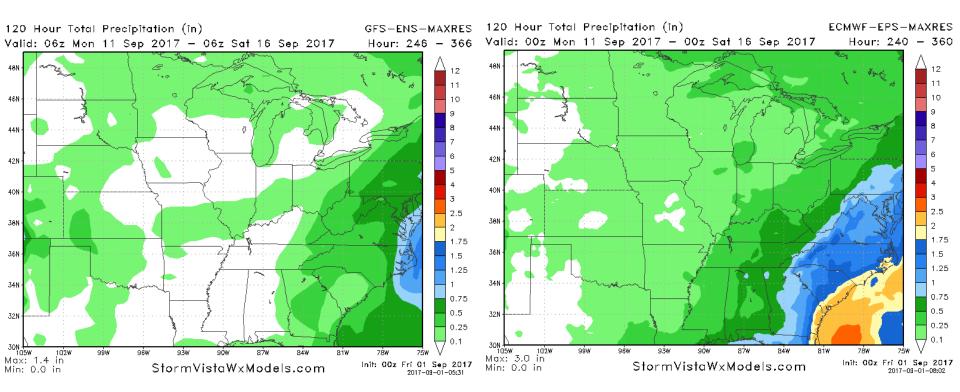
# 500 mb map shows zonal flow ... no cold air outbreaks ... no troughs rather dry



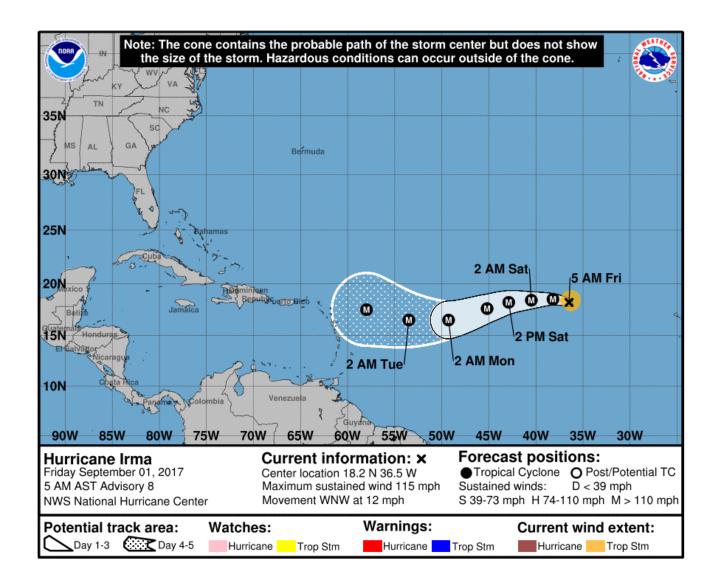
StormVistaWxModels.com

Init: 00z Fri 01 Sep 2017 2017-09-01-03:50

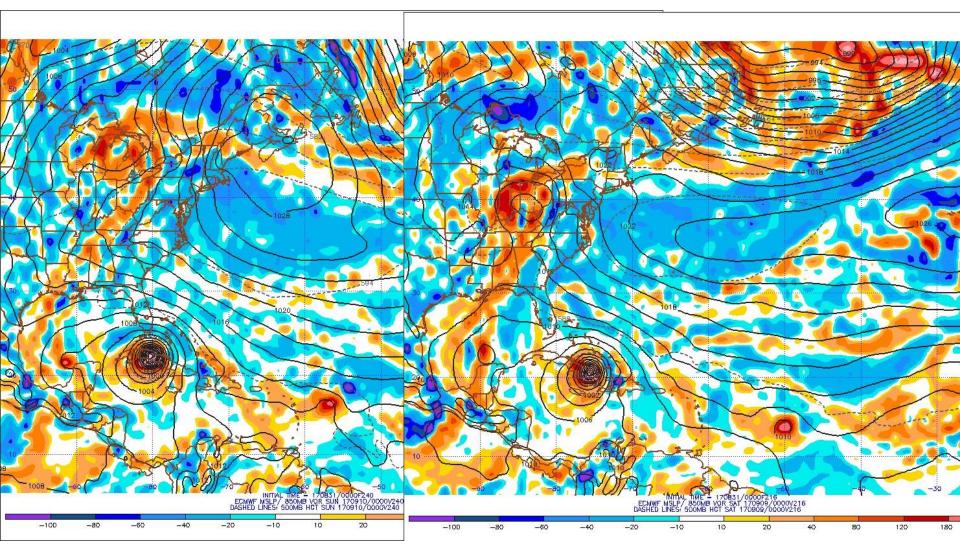
#### 11-15 DAY ENSEMBLES GFS RAINFALL LEFT EURO RIGHT ... all areas DRY



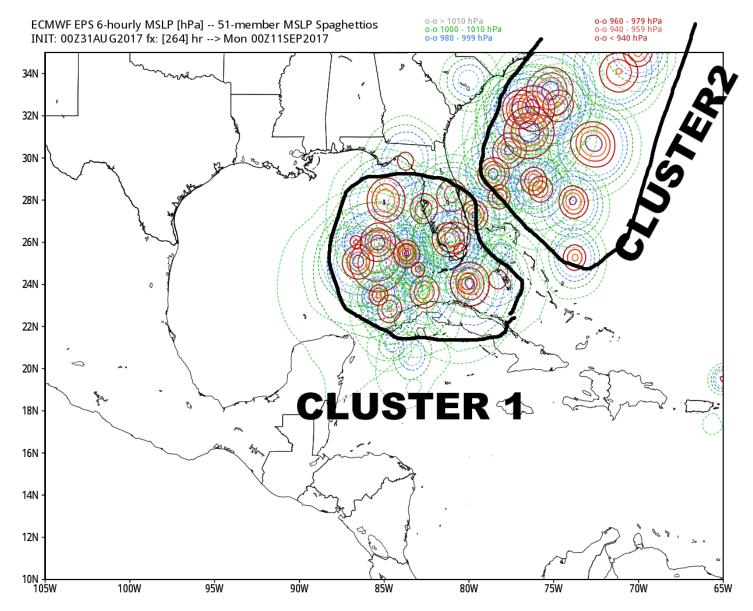
# IRMA now category 4 Hurricane heads towards Leeward island / Puerto Rico Sept 5-6



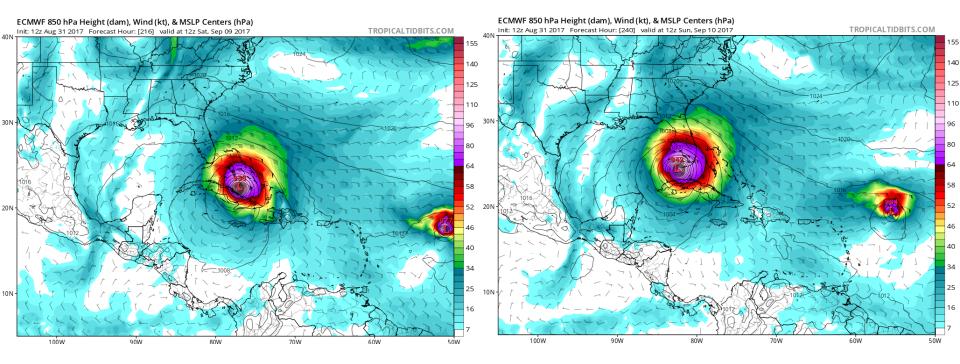
#### THURS EURO had IRMA tracking over Hispaniola and Cuba into FL striats and se Gulf



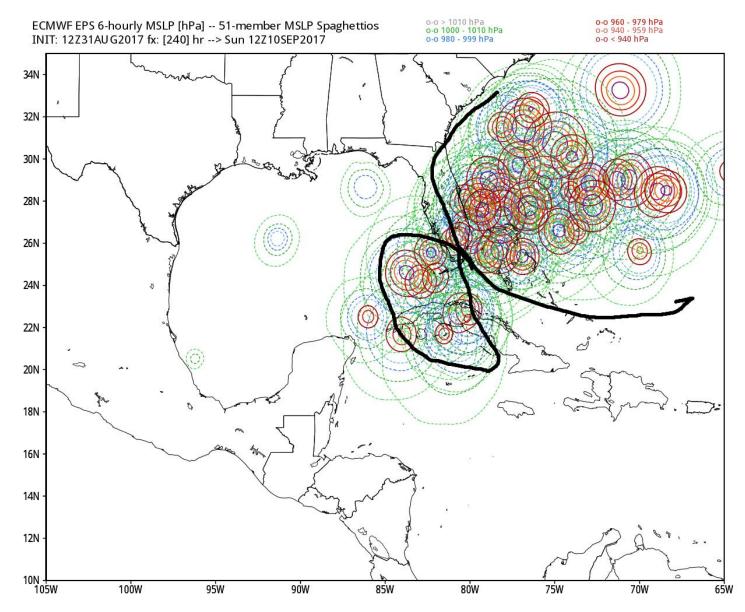
# THURS AM EURO ENSEMBLE = favored 2 clusters of tracks -- 1 over FL/se Gulf and $2^{nd}$ off the se US coast



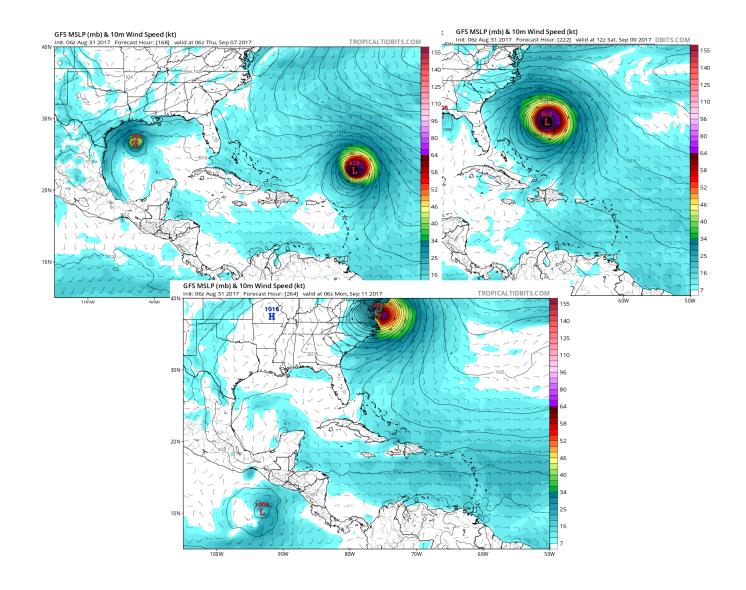
# THURS PM EURO again favored Cuba FL straits into se corner of the Gulf.



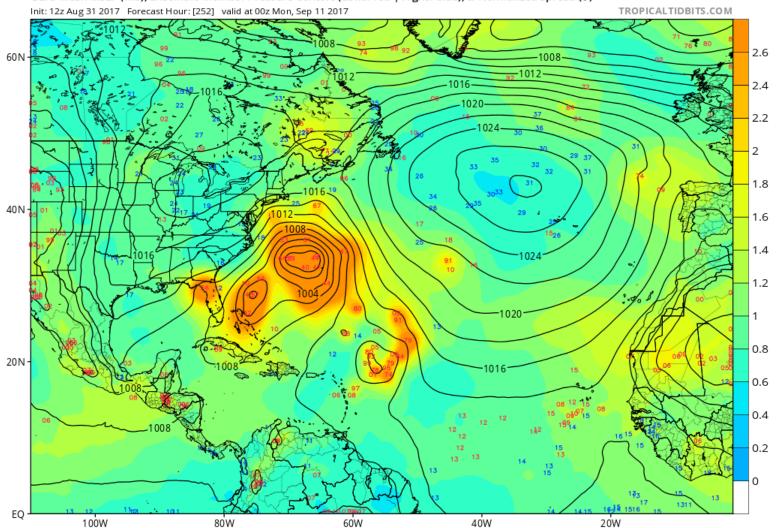
#### THURS AFTERNOON EURO ENSEMBLE clearly shifted tracks to favoring Bahamas se US coast



# GFS Models all days Thursday showed severe Hurricane into NV VA ND... worst Hurricane ever ! SOLUTION is absurd

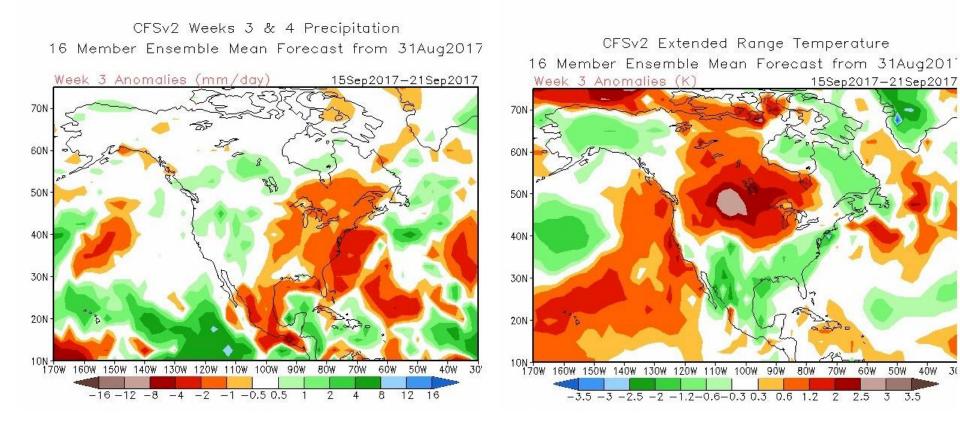


#### THURS GFS ensemble were MUCH further east and away from the coast

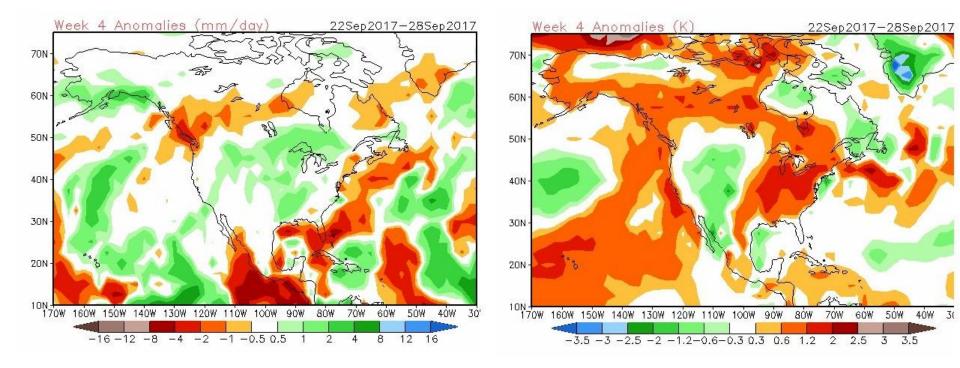


GEFS Mean MSLP (mb), Ensemble Member Pressure Centers (Lows: red | Highs: blue), & Normalized Spread (*o*)

#### AUG 31 WEEK 3 CFS below Normal rainfall over Midwest Deep South East Coast and Much above normal temps ECB/ Upper Plains and south central Canada

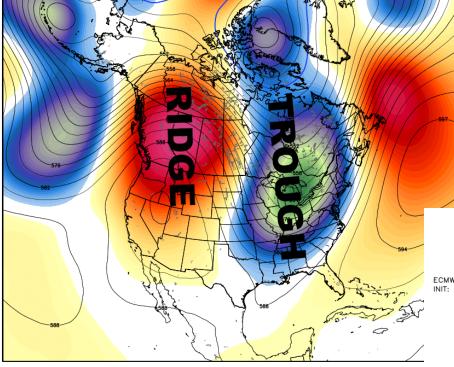


#### WEEK 4 CFS ABOVE normal rains -wetter than Normal over Canadian Prairies & WCB/ Delta ... TEMPS still above normal



# AUG 31 EURO WEEKLIES 500 mb map valid 9/7

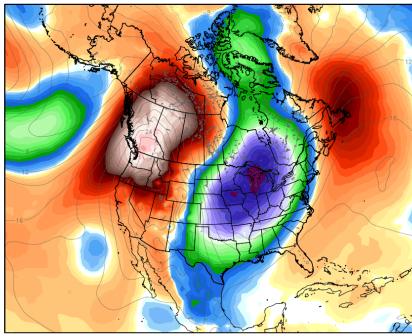
INIT: 00Z31AUG2017 fx: [168] hr --> Thu 00Z07SEP2017 Min|Max: -190.5 | 194.4 m



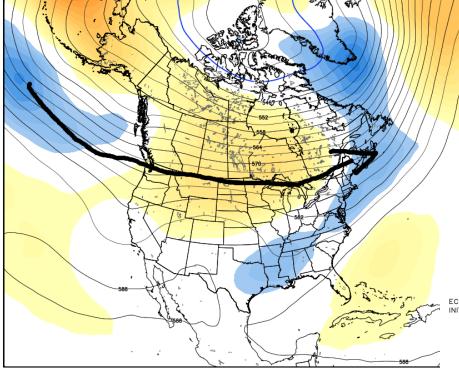
25 15 -10 -20 -30 -40 -50

#### if this was 9/20 these temp anomalies would support FROST

ECMWF EPS Monthly Ensemble Mean 850 hPa Temperature Anomaly [°C] & Anomaly INIT: 00Z31AUG2017 fx: [168] hr --> Thu 00Z07SEP2017 Min|Max: -11.2 | 14.3 °C



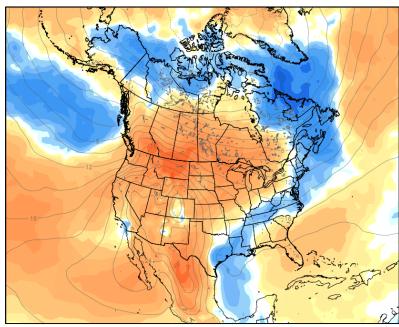
ECMWF EPS Monthly Ensemble Mean 500 hPa Geopotential Height [dm] & Anomaly [m]INIT: 00Z31AUG2017 fx: [360] hr --> Fri 00Z15SEP2017Min|Max: -41.5 | 91.1 m



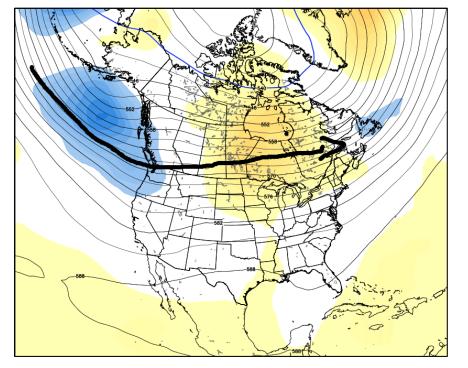
#### EURO weeklies show zonal flow over N. America --west to east direction – rest of Sept

ECMWF EPS Monthly Ensemble Mean 850 hPa Temperature Anomaly [°C] & Anomaly NIT: 00Z31AUG2017 fx: [360] hr --> Fri 00Z15SEP2017 Min|Max: -2.4 | 3.8 °C

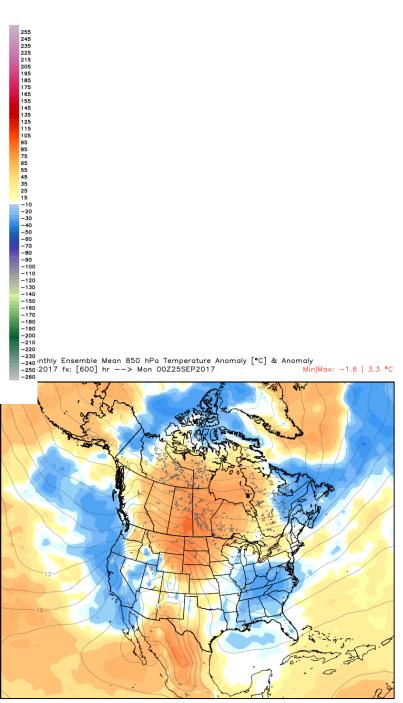
15 -10 -20 -30 -40 -50 -60 -70 -80 -90 -100 -110 -120 -130 -140 -150 -160



ECMWF EPS Monthly Ensemble Mean 500 hPa Geopotential Height [dm] & Anomaly [m] INIT: 00Z31AUG2017 fx: [600] hr --> Mon 00Z25SEP2017 Min|Max: -63.2 | 58.1 m

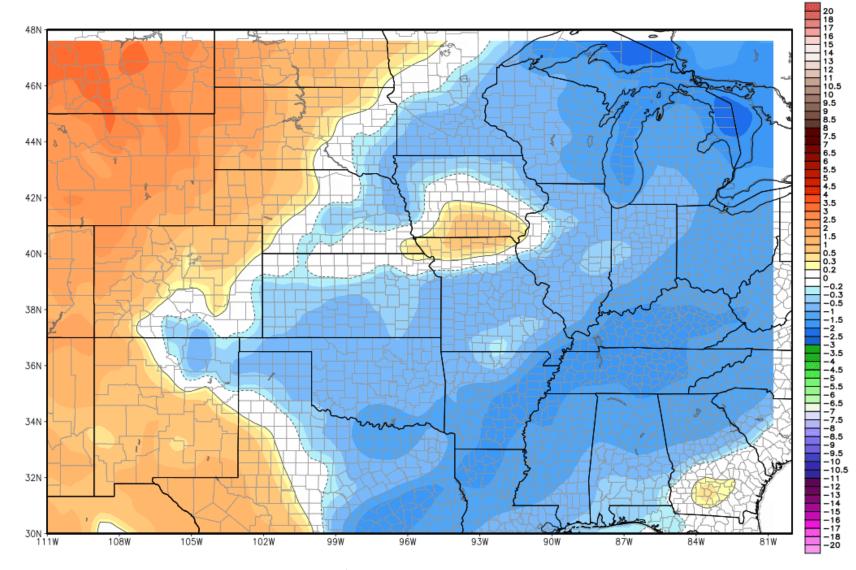






### **TEMPS OVER NEXT 32 DAYS ... slightly below** Normal temps over Plains / Midwest/ Deep South ECMWF EPS Ensemble Mean 32-day Avg 2m Temperature Anomaly [°C]

Min|Max: -2.5° | 3.7°C Init: 00Z31AUG2017 -- [768] hr --> Valid on Mon 00Z020CT2017 Day 0 - Day 32



Average between 00Z31AUG2017-00Z020CT2017 | ECMWF EPS 1996-2015 Hindcast Climatology

#### VERY DRY over next 30 days over Plains WCB and part of ECB

ECMWF EPS Ensemble Mean 32-day Avg Precipitation Anomaly [inch] Min|Max Anom: -2.7 | 4.5 inch Init: 00Z31AUG2017 -- [768] hr --> Valid on Mon 00Z020CT2017 Day 0 - Day 32 10 48N 46N 44N 2.5 2 1.5 42N 0.6 0.4 40N 0.2 -0.2 38N -0.4 -0.6 -1 36N · -1.5-2 -2.5 34N -3 -5 32N -6 -8

93W

9ÓW

-10

81W

84W

87W

Accumulation between 00Z31AUG2017-00Z020CT2017 | ECMWF EPS 1996-2015 Hindcast Climatology

96W

99M

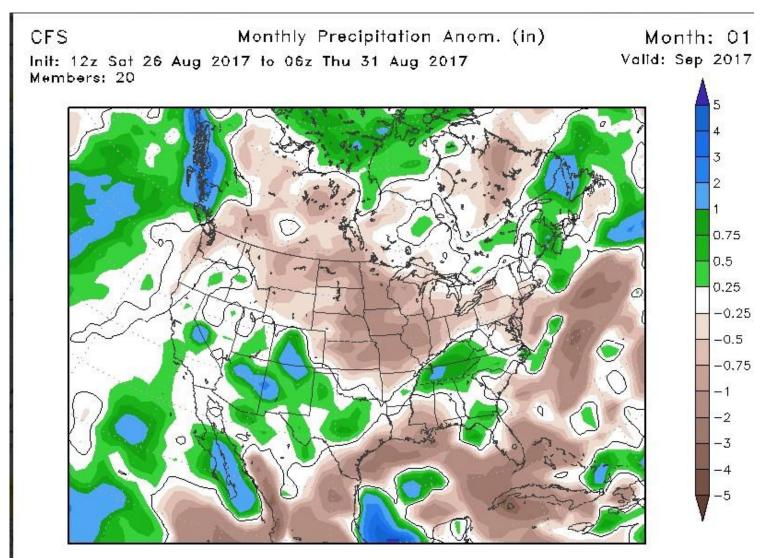
30N -

108W

105W

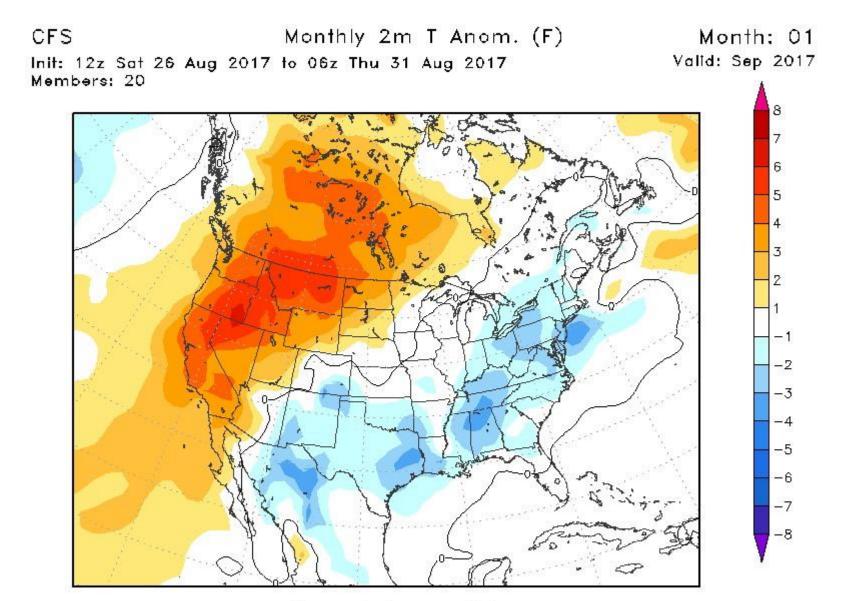
102W

#### CFS FOR SEPT RAINFALL-- large area of Below Normal rainfall over Plains/ Midwest & southern Canada Prairies



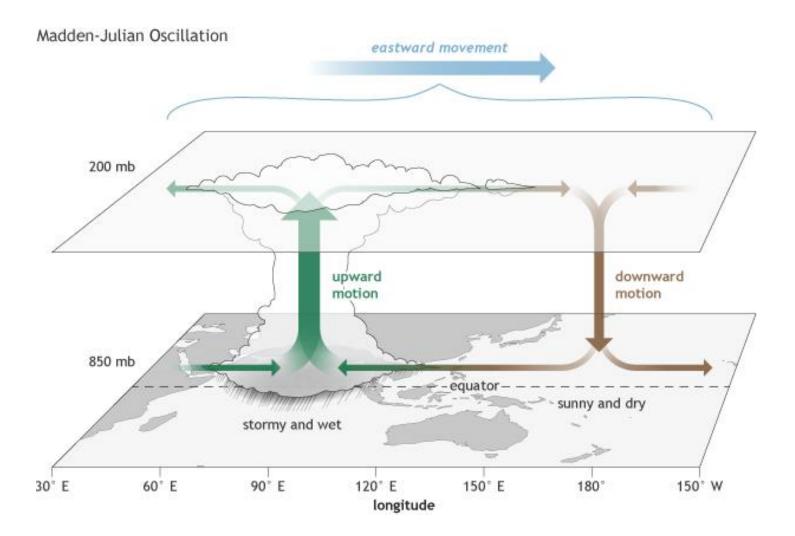
Stormvistawxmodels.com

#### WEEK 4 CFS TEMPS - WARM over Canadian Prairies near normal all other areas

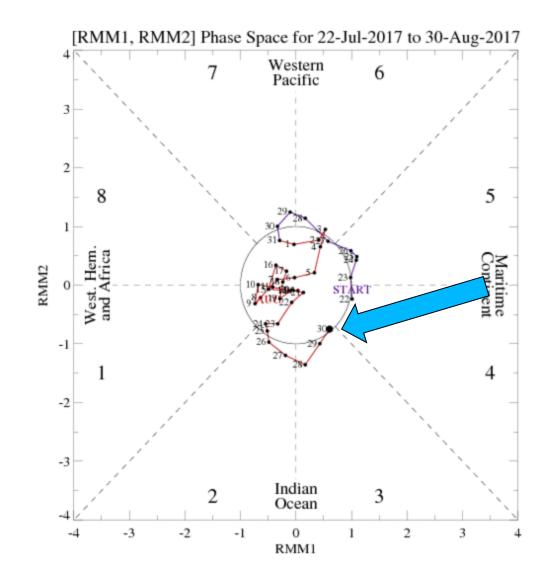


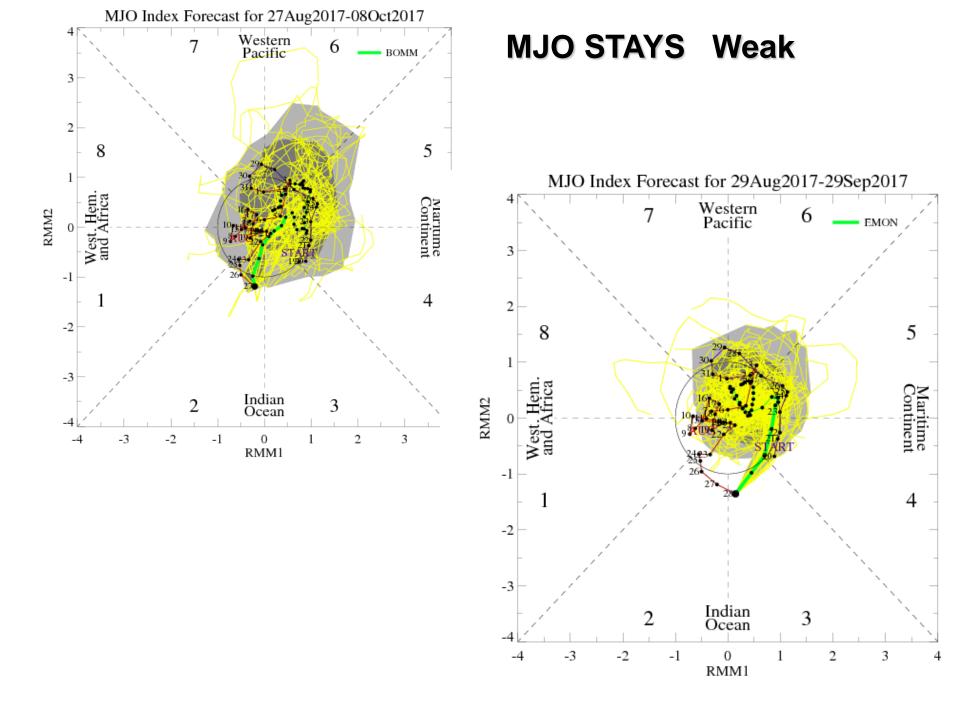
Stormvistawxmodels.com

## **LETS TALK MJO/ENSO**

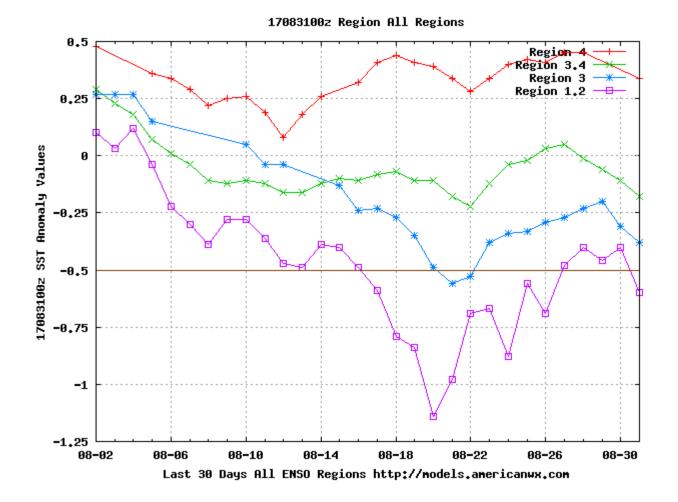


#### **MJO STAYS WEAK**

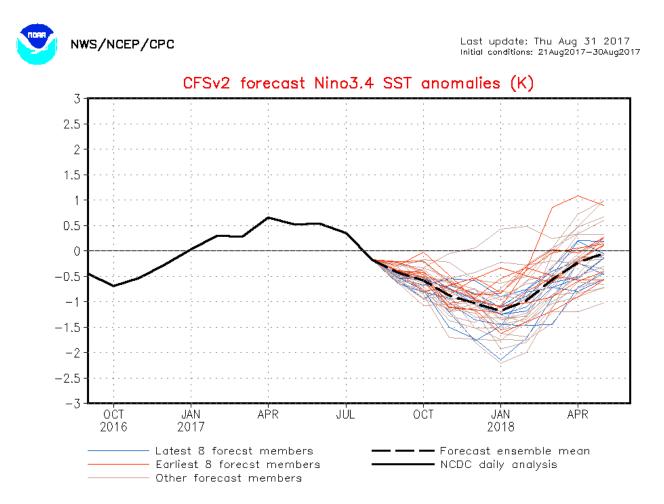




# all areas now cooling and at or below Min criteria for weak El Nino



#### CFS enso new data = major cooling in most enso regions and WEAK a Nina winter 2017-18 ? Looks that way



Sometimes I wonder whether the world is being run by smart people who are putting us on, or by imbeciles who really mean it.

MARK TWAIN

