

Weather Forecasting For Traders, Investors, and Businesses

US .. SOUTH AMERICA and AUSTRALIA

GRAIN WEATHER ISSUES

as of FRIDAY 10 NOVEMBER 2017



LOCATED in Richmond VA

Featured frequently on AGRI-MONEY

EMAIL WXRISK@VERZION .NET



@WXRISK.COM



https://www.facebook.com/WxRisk

wxrisk@gmail. com

| Login to Member Area | ☑ wxrisk@verizon.net | | | | | | | f | |
|----------------------|----------------------|------|-----------------|-------------------|-----------------|---------------|------------|---------|---|
| W Risk co | m | Home | General Weather | Technical Weather | Trading Weather | Subscriptions | Contact Us | THE DTs | Q |

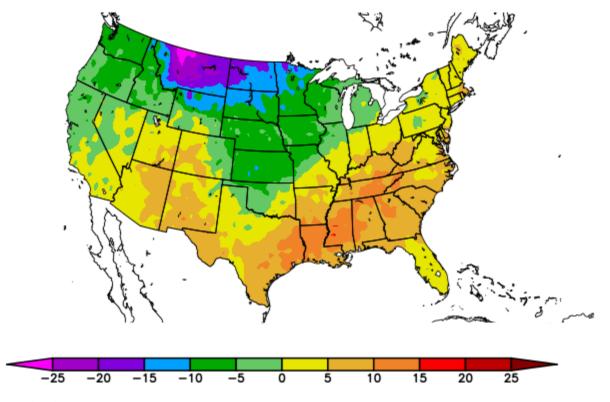


Who we are

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

Departure from Normal Temperature (F) 11/3/2017 - 11/9/2017

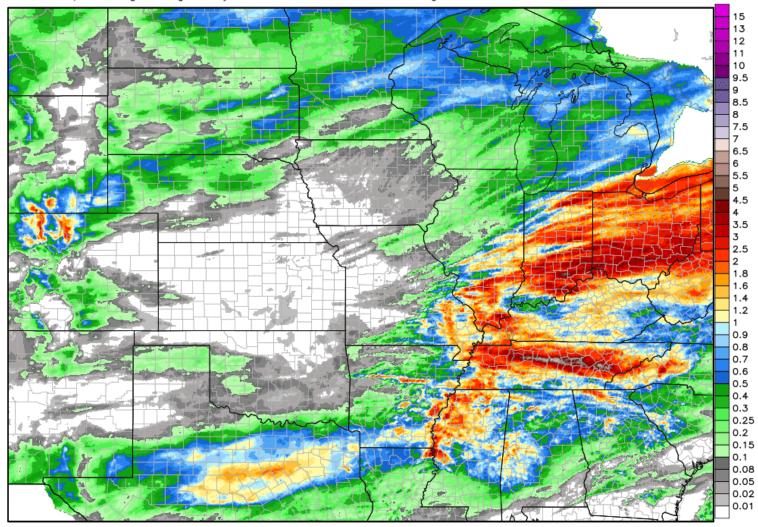


Generated 11/10/2017 at HPRCC using provisional data.

NOAA Regional Climate Centers

RAINFALL PAST 7 DAYS-

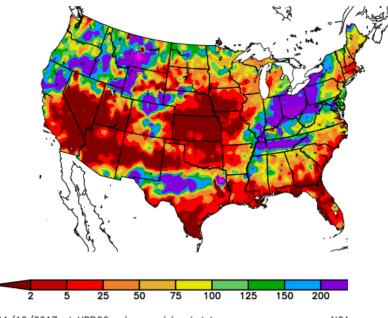
NWS Precipitation Analysis 4-km HRAP Grid -- 7-day Total Accumulation Domain Max: 7.0 in. Total Precipitation [inches] 7 days 12Z02N0V2017 --> through --> 12Z09N0V2017



4 km HRAP grid | End of hydrological day at 1200 UTC | http://water.weather.gov/precip

PRECIP ANOMALIES PAST 7D

Percent of Normal Precipitation (%) 11/3/2017 - 11/9/2017

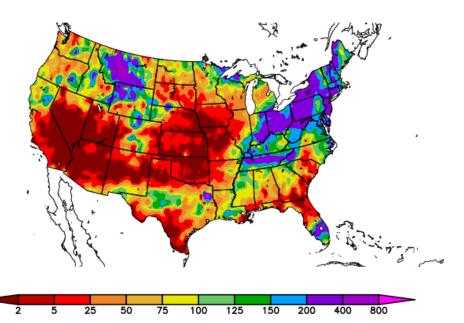


Generated 11/10/2017 at HPRCC using provisional data.

NOA

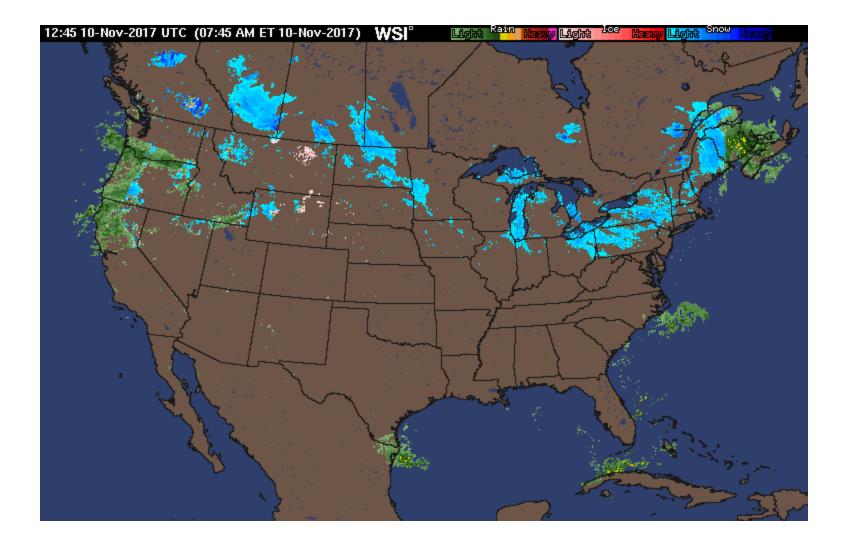
PRECIP ANOMALIES PAST 14D

Percent of Normal Precipitation (%) 10/27/2017 - 11/9/2017

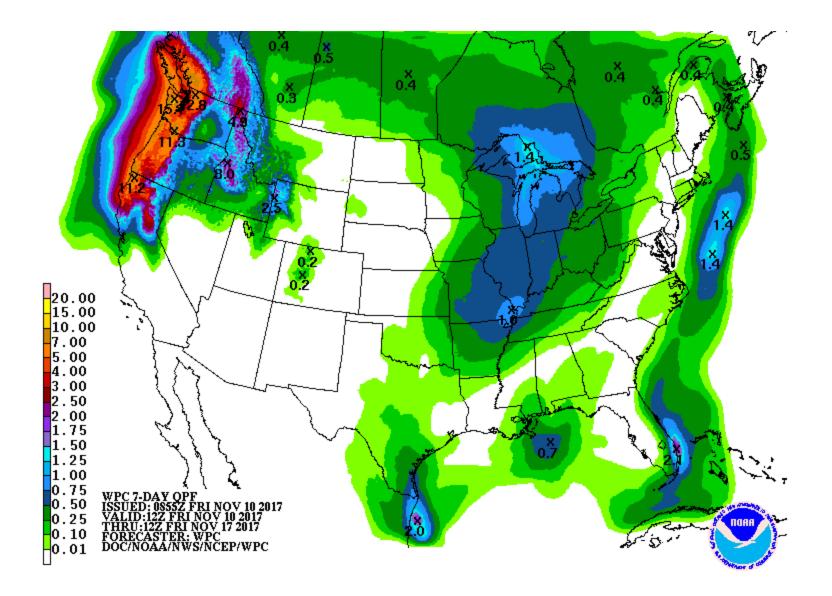


Generated 11/10/2017 at HPRCC using provisional data.

RADAR 7AM FRIDAY

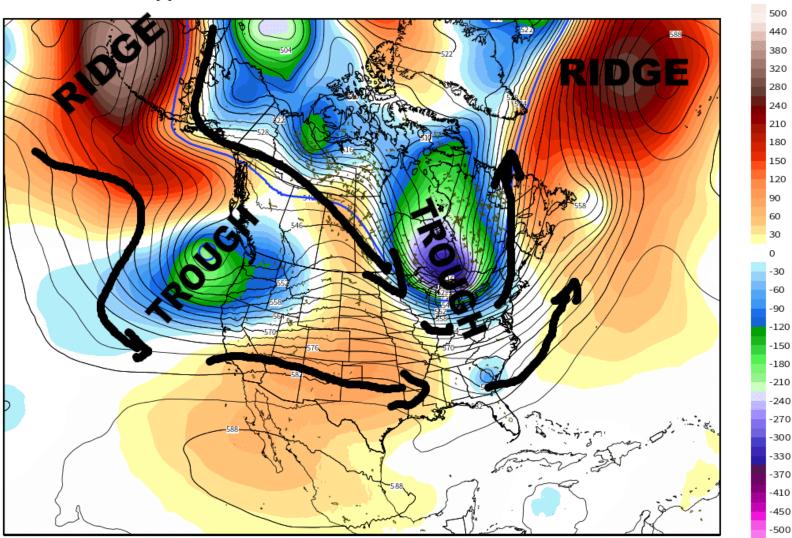


NWS OFFICIAL RAINFALL NEXT 7 DAYS



500mb map 10 NOV

NCEP GFS 500 hPa Geopotential Height [dm] & Anomaly [m] Init: 00Z10NOV2017 -- [0] hr --> Valid Fri 00Z10NOV2017 MIN|MAX: -345.7 | 371.5 m



weather.us | @ryanmaue

ECMWF Total Precipitation [inch] Init: 00Z10NOV2017 - [126] hr --> Valid Wed 06Z15NOV2017

115W

110W

105W

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

100W

95W

90W

85W

80W

55N

50N

45N

40N

35N

30N

25N

20N

130W

125W

120W

EURO RAINFALL NEXT 5 DAYS

MAX: 13.5 inch

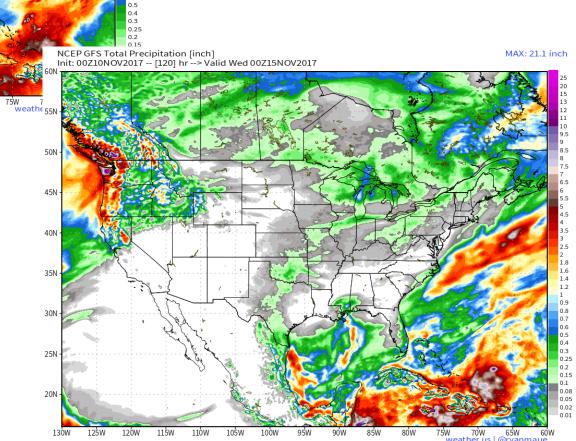
4.5 4 3.5

3 2.5 2 1.8 1.6

1.4 1.2 1 0.9 0.8

0.7 0.6

GFS RAINFALL NEXT 5 DAYS



ECMWF Total Precipitation [inch] Init: 00Z10NOV2017 -- [240] hr --> Valid Mon 00Z20NOV2017

50N

45N

40N

35N

30N

25N

20N

13ÖW

125W

12.0W

115W

110W

105W

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

10ÖW

95W

90'W

85W

75W

80W

70'W

EURO RAINFALL NEXT 10 DAYS

MAX: 16.6 inch

4.5

з 2.5 2 1.8 1.6

1.4 1.2 0.9 0.8

0.7 0.6 0.5 0.4 0.3

0.25 0.2 0.15 0.1 0.08

0.05



MAX: 30.9 inch

4.5 3.5 3

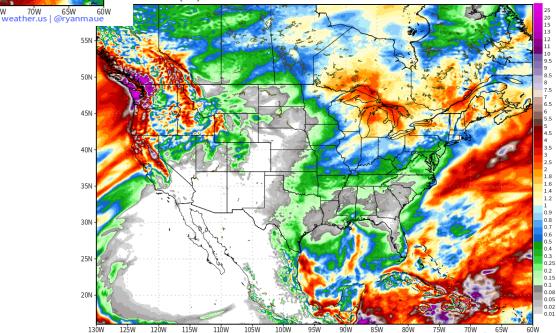
2.5 2 1.8 1.6

1.4 1.2

0.1 0.08

0.05 0.02 0.01

GFS RAINFALL NEXT 10 **DAYS**



125W 12.OW 115W 110W 80'W 75W 70'W 65W 95W weather.us | @ryanmaue

Pattern warms upo middle of next week over Plains/ Midwest

⁻⁴⁵⁰ FS 2-m Temperature Anomaly [°F]
 ⁻⁵⁰⁰ (10NOV2017 -- [120] hr --> Valid Wed 00Z15NOV2017

MIN MAX -23.2º 22.4ºF

40

36 32 28

24 20 16

14 12 10

2

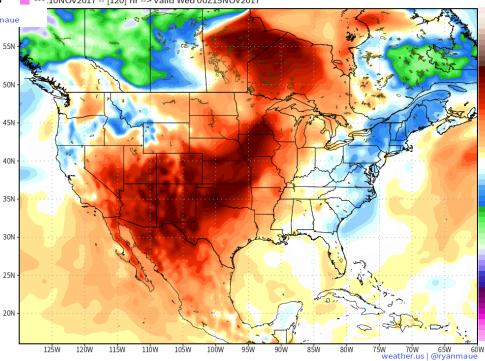
0 -2 -4 -6

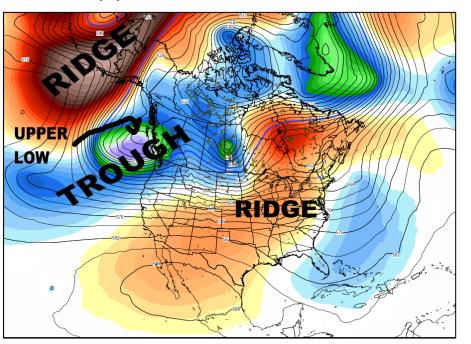
> -8 -10 -12

-14 -16 -20 -24

-28 -32 -36

-42 -46 -50





weather.us | @ryanmaue

MIN MAX: -272.9 392.2 m

500

240 210 180

150 120 90

> 60 30

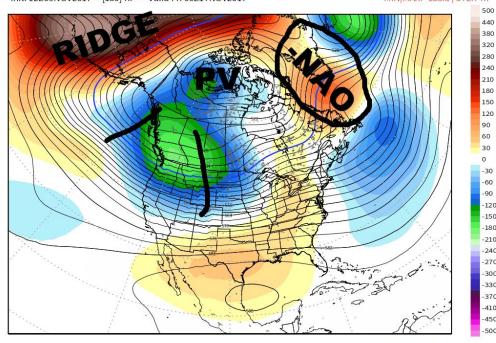
> 0 -30 -60

-120 -150 -210 -240 -270 -300 -330 -370 -410 Massive RIDGE over central N Pacific Sea / Bering Sea expands into arctic Region. This causes the pattern to begin to change. Large Upper Low- the PV forms over nw Canada which allows arctic air to pool over western Canada AND causes a 'BLOCK" in the Jet stream to form over Greenland

Init: 12Z09NOV2017 -- [180] hr --> Valid Fri 00Z17NOV2017 MIN 500 -440 380 320 280 240 210 180 150 120 90 60 30 0 -30 60 90 120 150 -180 -210 240 270 300--330 -370 -410 450 -500 This service is based on data and products of the European Centre for Medium-range Weather Forecasts (ECMWF) weath

ECMWF EPS 500 hPa Geopotential Height [dm] & Anomaly [m] | Ensemble Mean | 1997-2006 Hindcast M-Climate

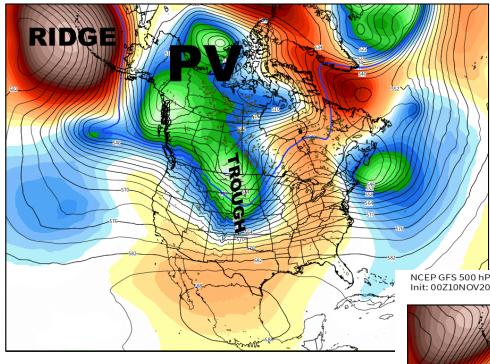
ECMWF EPS 500 hPa Geopotential Height [dm] & Anomaly [m] | Ensemble Mean | 1997-2006 Hindcast M-Climate Init: 12Z09NOV2017 -- [180] hr --> Valid Fri 00Z17NOV2017 MINIMAX: -183.3 | 372.7 m



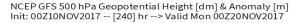
This service is based on data and products of the European Centre for Medium-range Weather Forecasts (ECMWF)

weather.us | @ryanmaue

MIN|MAX: -301.1 | 429.0 m



Piece of energy comes out of pac into Rockies ... NW



-90 -120 -150 -180 -210 -240

MIN|MAX: -365.8 | 436.1 m

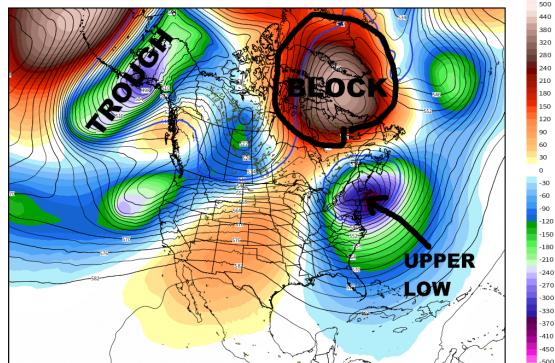
-60

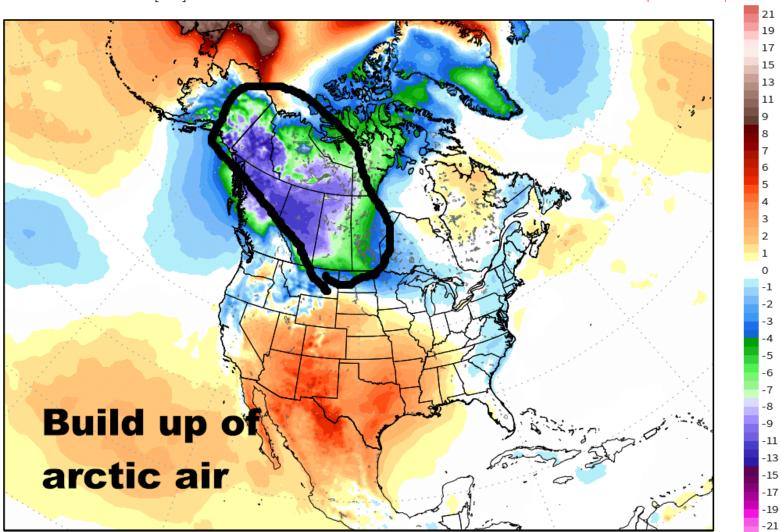
-180

270 -300 -330

-450 -500

Which models develop BIG east Coast LOW NOV 18-**19 – note BLOCK** over ne Canada/ Greenland





 ECMWF EPS 2-meter Temperature Anomaly [°C] | 5-day Ensemble Mean --> 00Z15NOV2017 & 00Z20NOV2017
 Day 5 - Day 10

 Init: 00Z10NOV2017 -- [240] hr --> Valid Mon 00Z20NOV2017
 MIN|MAX -15.6° | 13.7°C

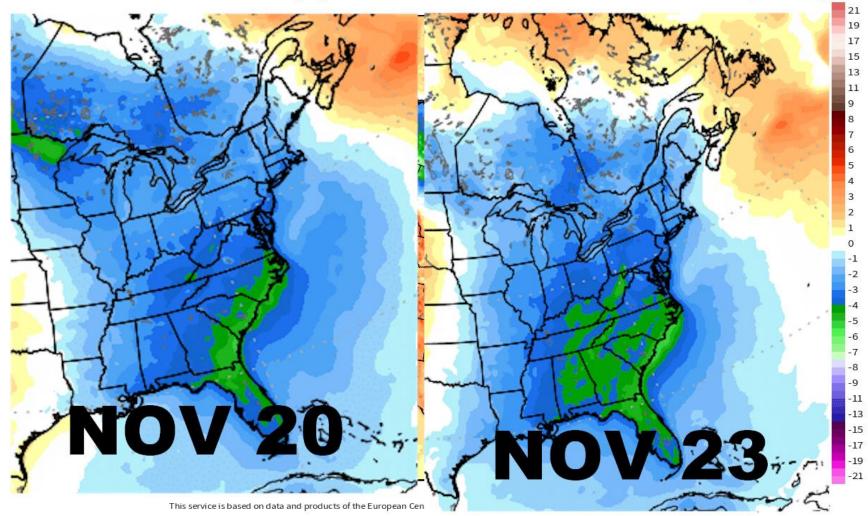
This service is based on data and products of the European Centre for Medium-range Weather Forecasts (ECMWF)

weather.us | @ryanmaue

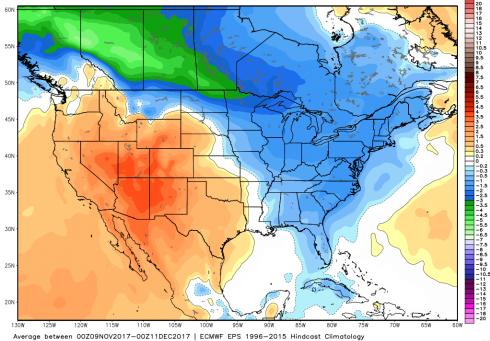
Thanksgiving week looks chilly/ cold over eastern US - east of Mississippi river

SURFACE TEMP ANOMALIES

ECMWF EPS 2-meter Temperature Anomaly [°C] | Ensemble Mean | 1997-2016 M-Climate Hindcast Climatology Init: 12Z09NOV2017 -- [336] hr --> Valid Thu 12Z23NOV2017 MIN|MAX -11.6° | 9.1°C



Init: 00Z09N0V2017 -- [768] hr --> Valid on Mon 00Z11DEC2017 Day 0 - Day 32

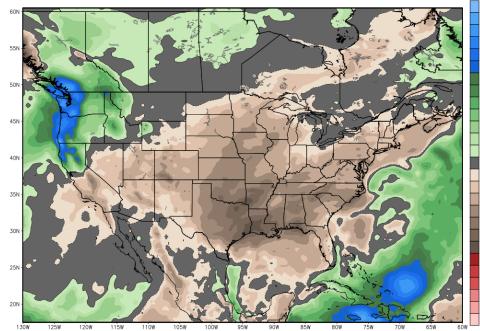


NOV 10 .. EURO WEEKLIES next 30 day TEMP ANOMALIES

ECMWF EPS Ensemble Mean 32-day Avg Precipitation Anomaly [inch] Init: 00Z09N0V2017 -- [768] hr --> Valid on Mon 00Z11DEC2017 Day 0 - Day 32

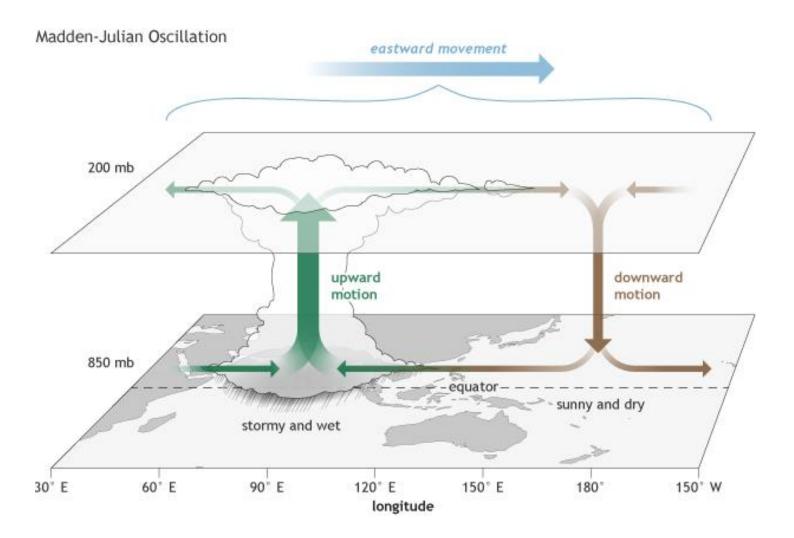
Min|Max Anom: -3.4 | 9.1 inch

NOV 10 .. EURO WEEKLIES next 30 day PRECIP ANOMALIES

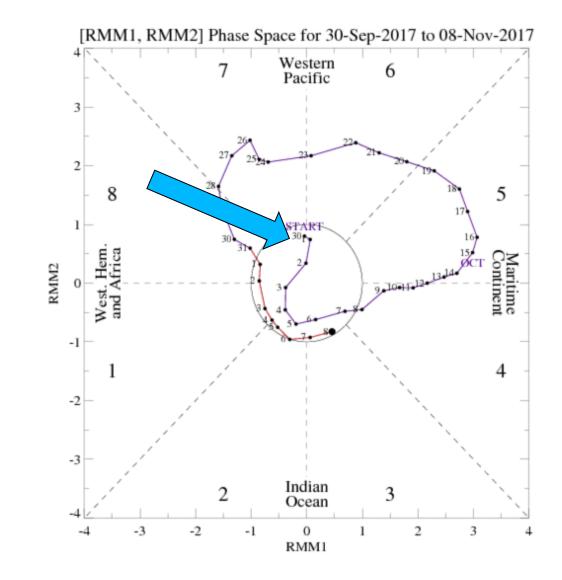


Accumulation between 00Z09N0V2017-00Z11DEC2017 | ECMWF EPS 1996-2015 Hindcast Climatology

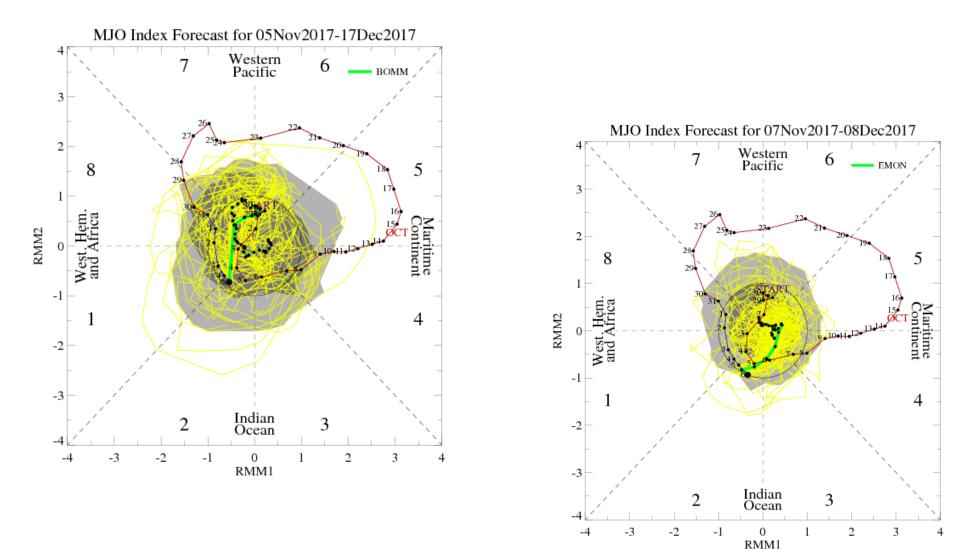
LETS TALK MJO/ENSO

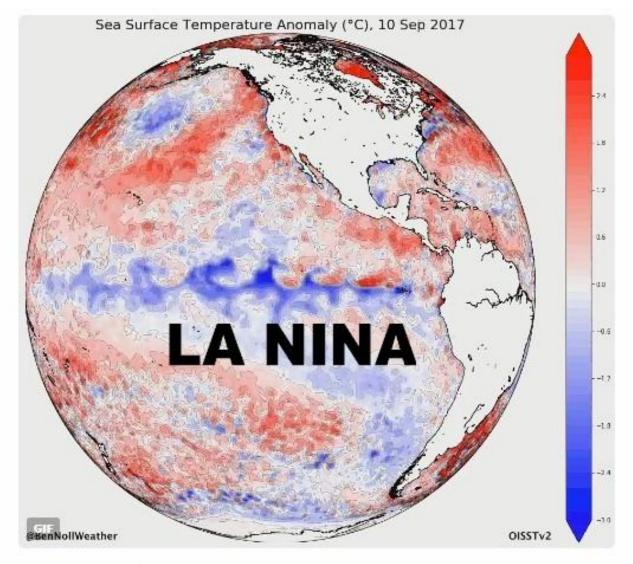


MJO IS DEAD



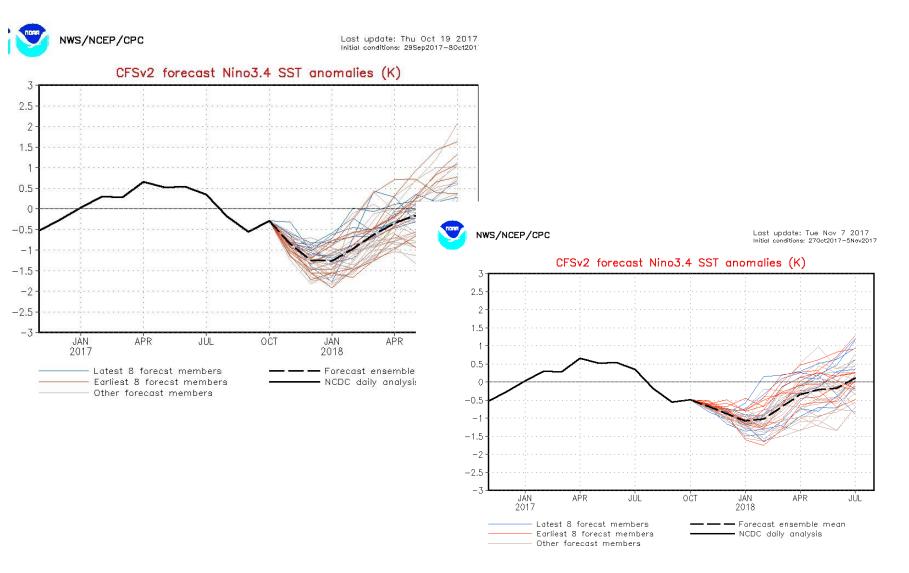
MJO DEAD ... NO MOVEMENT / DEVELOPMENT THRU MID DEC



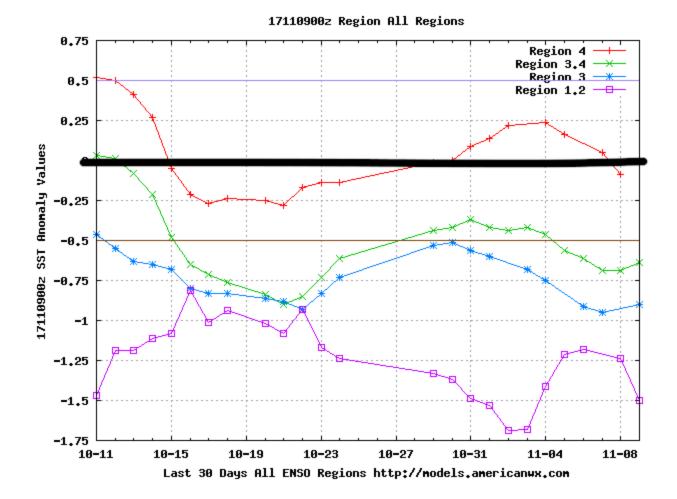


6:29 AM - 13 Sep 2017

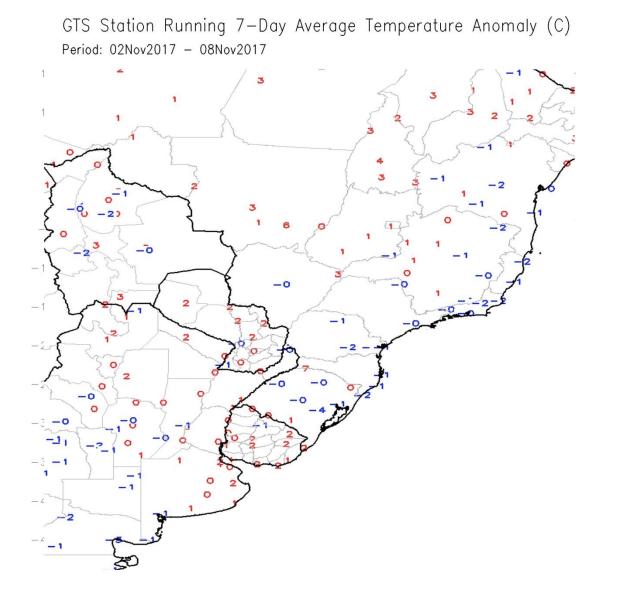
LATEST CFS MODEL PROJECTION = ** BACKING OFF IDEA OF MODERATE LA NINA FOR THE WINTER ... WEAK LA NINA FAVORED



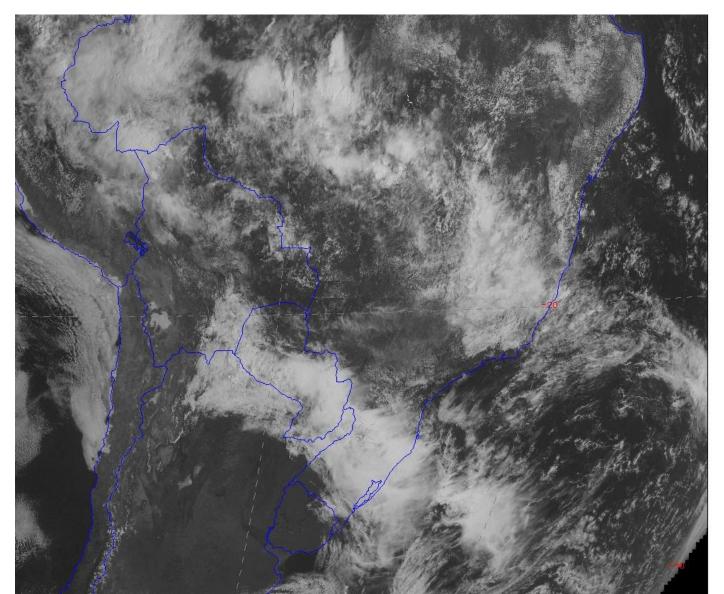
ACTUAL SEA SURFACE TEMP ANOMALIES – not projection .. Large area of cold water surface and sub surface -- weak LA NINA is here



Much cooler temps over all of Brazil relative to normal

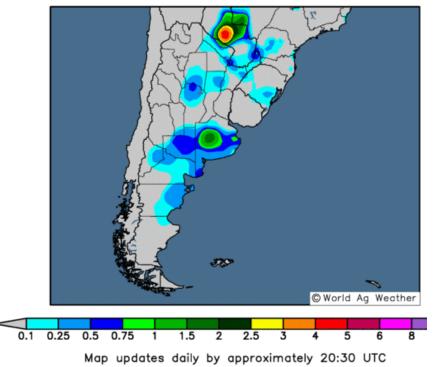


Storms over Parg into RGDS into se Brazil and over Minas Gerais...and over ne Mato Grosso/ Tocantins

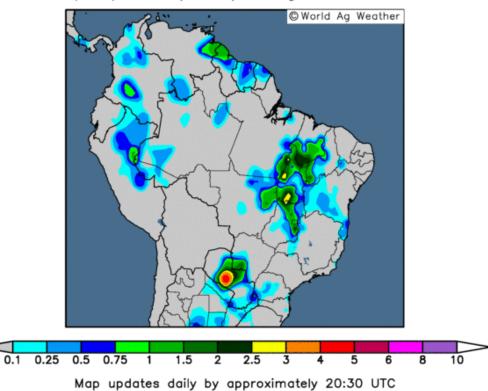


NOV 8 RAINS ... 1-3" over 50% Goais/ Tocantins rest of rains over western / east Brazil UNDERPERFORM

24-hour Precipitation Analysis Observed precipitation (inches) through 12 UTC 8 Nov 2017

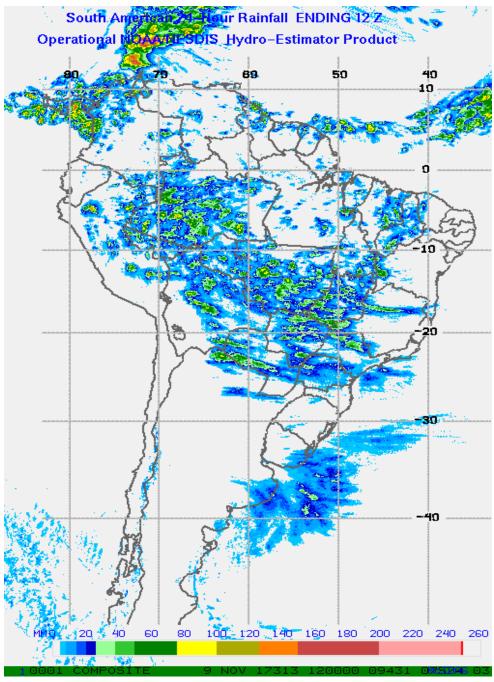


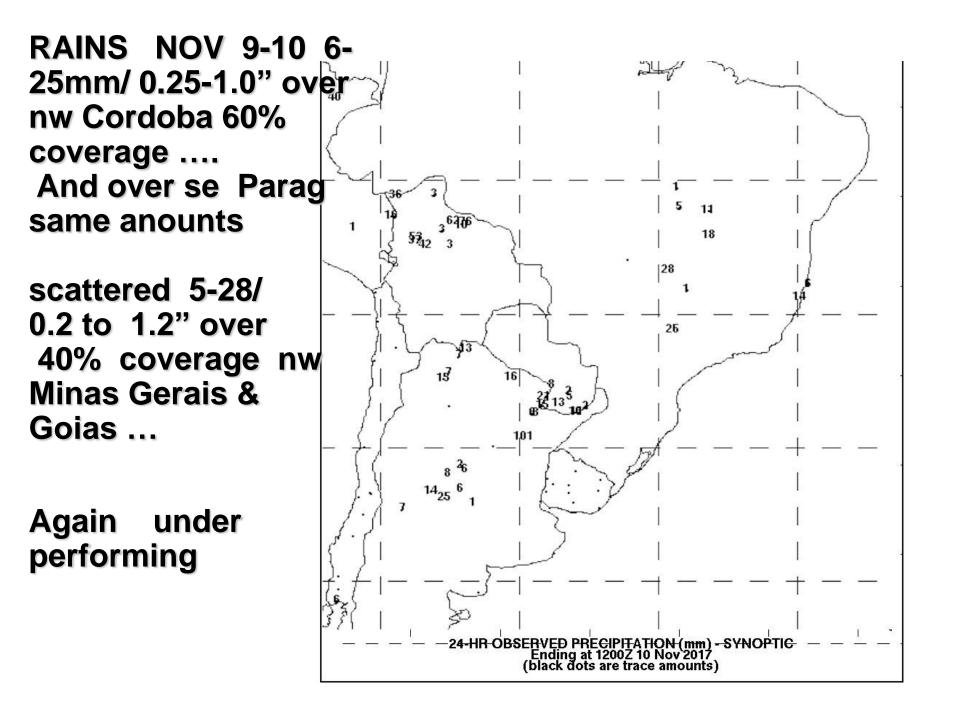
24-hour Precipitation Analysis Observed precipitation (inches) through 12 UTC 8 Nov 2017



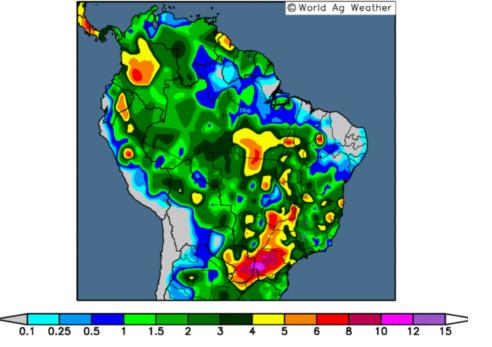
RAINS NOV 8-9... Widely scatterd 10-30mm/ 0.2 to 1.5" over 50% Mato Grosso MGDS ... Goias ...

Again under performing





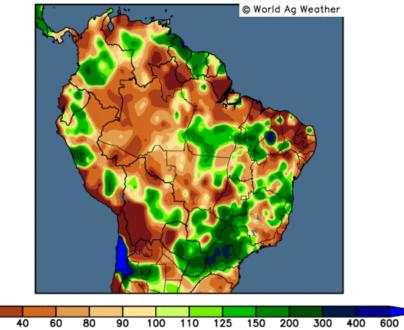
14-day Precipitation Analysis Observed precipitation (inches) through 12 UTC 8 Nov 2017



Map updates daily by approximately 20:30 UTC

Over east Parg/ se Brazil 150-200% of Normal but still well Below Normal over much of Minas Gerais west Goias south Minas Gerais Over past 14D ...4-10"/ 100-300mm over se Parg into most of Parana west Sao Paulo se Goias ... 1-4"/ 25-100mm over North Minas/ south Bahia

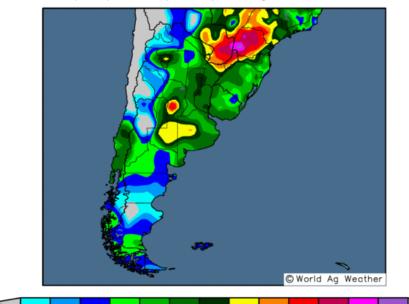
14-day Precipitation Analysis Percent of normal through 12 UTC 8 Nov 2017



Map updates daily by approximately 20:30 UTC

20

14-day Precipitation Analysis Observed precipitation (inches) through 12 UTC 8 Nov 2017



Map updates daily by approximately 20:30 UTC

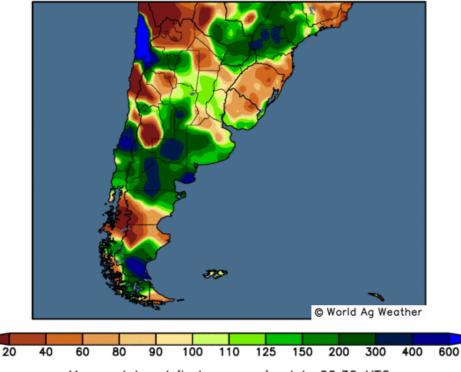
0.1 0.25

0.5

Over past 14D ... this is near Normal rainfall over Santa Fe Entre Rios 200-400% of Normal over Cordoba La Pampa west Buenos Aires

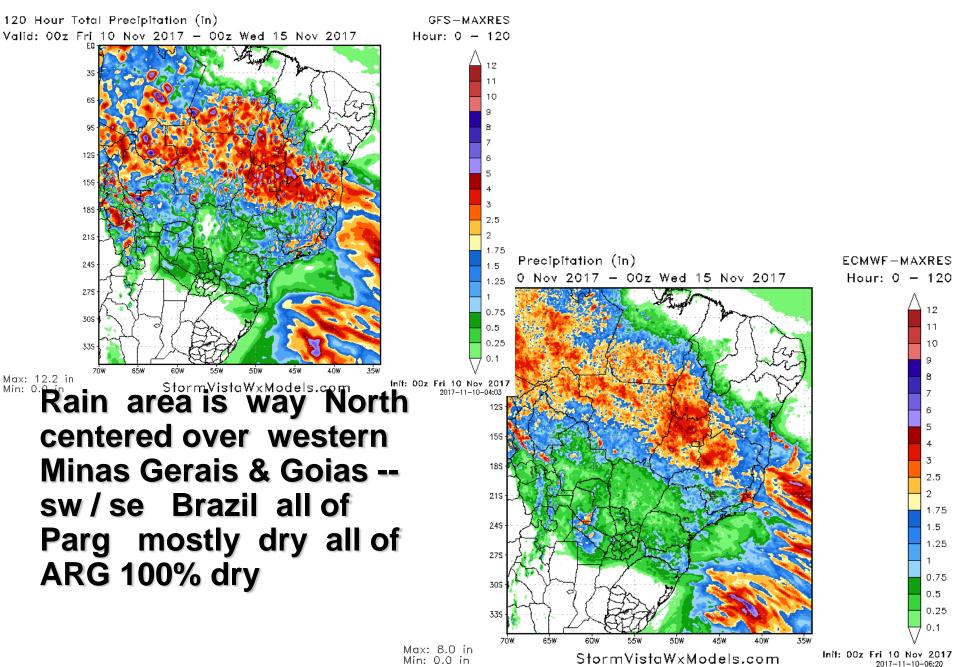
Over past 14D ...1-5"/ 25-125mm over 80% North central eastern ARG

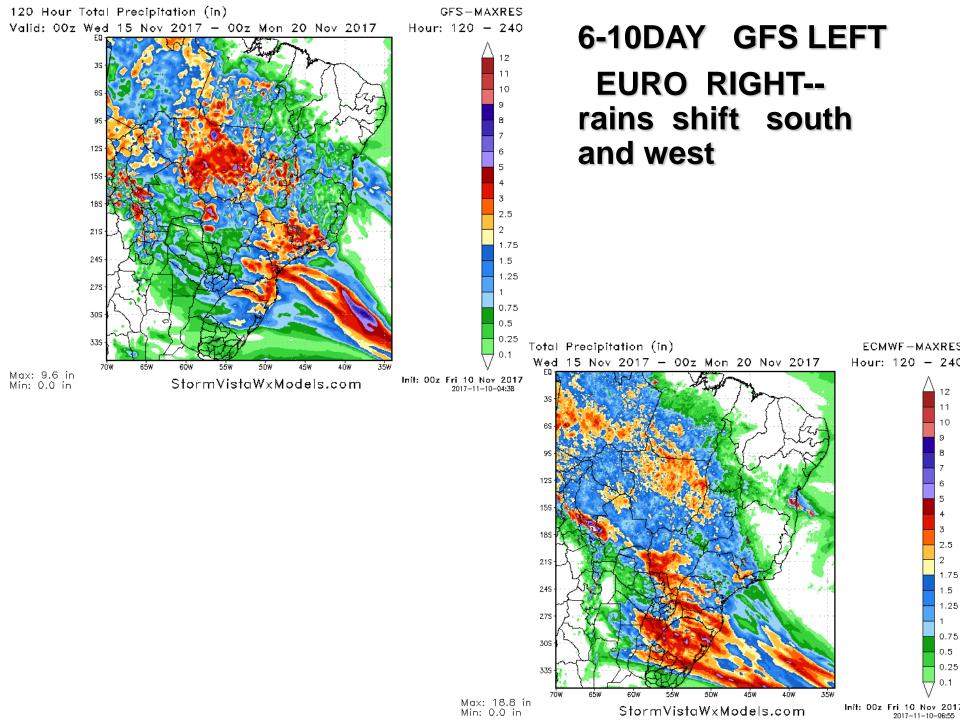
14-day Precipitation Analysis Percent of normal through 12 UTC 8 Nov 2017



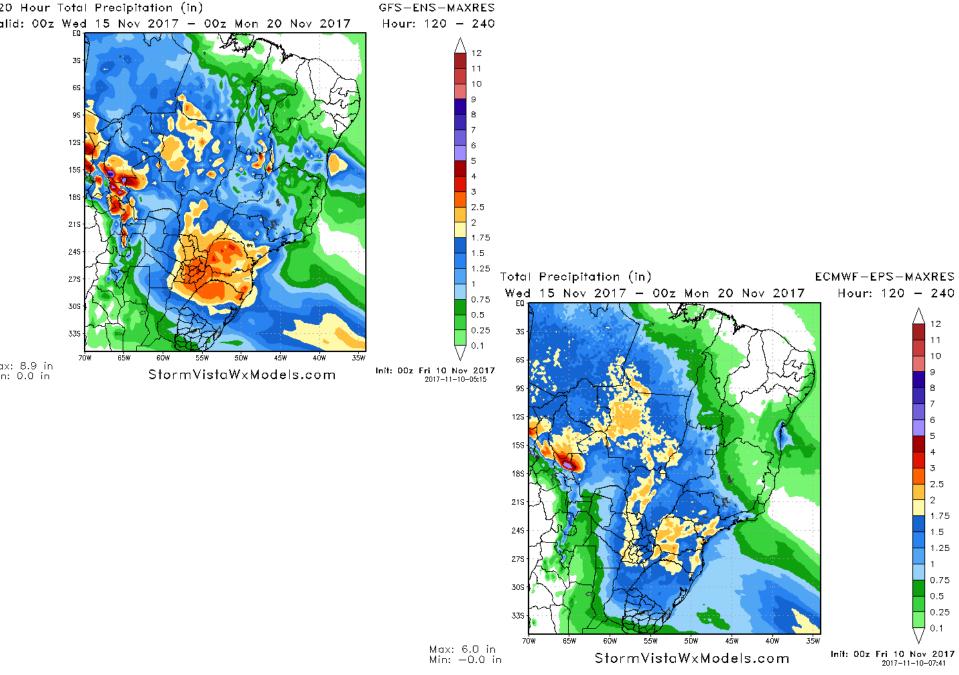
Map updates daily by approximately 20:30 UTC

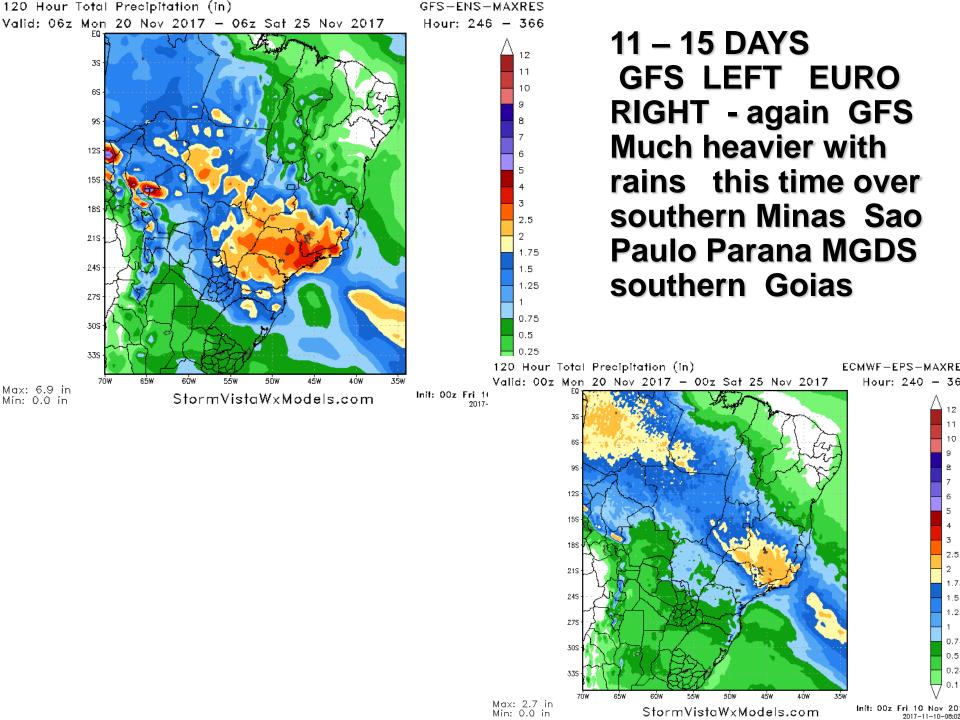
NEXT 5 DAYS GFS LEFT EURO RIGHT



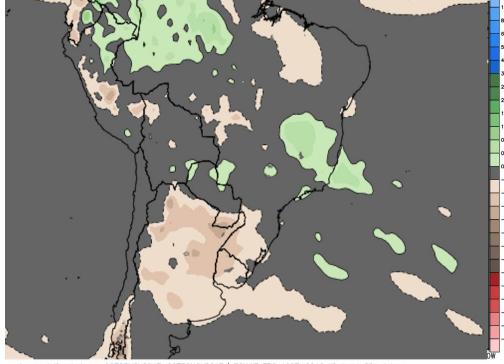








Min|Max Anom: -6.7 | 3.7 inch

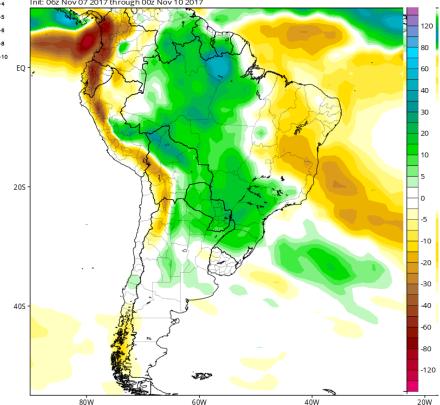


Accumulation between 00Z23NOV2017-00Z30NOV2017 | ECMWF EPS 1997-2016 Hindcast Climatology

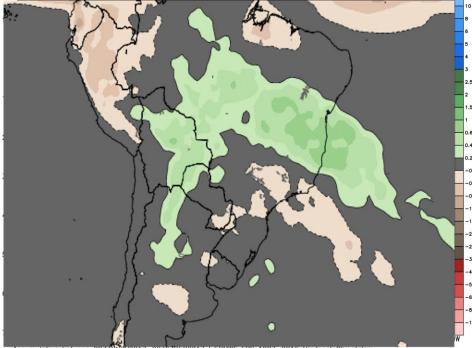
NOV 24-30 - CFS is very different-- very WET over Parg sw & se Brazil and DRY over Minas Gerais.

NOV 24-30 - EURO dry over all of ARG ... wet over Minas near Normal over mist of Brazil

CFSv2 Accumulated Precip. Anomaly (mm) from 00z24Nov2017 to 00z01Dec2017 (Days 15-21) Average of last 48 forecasts (12 runs x 4 members) Init: 06z Nov 07 2017 through 00z Nov 10 2017



ECMWF EPS Ensemble Mean 7-day Avg Precipitation Anomaly [inch] Init: 00Z09N0V2017 -- [336] hr --> Valid on Thu 00Z07DEC2017 Day 7 - Day 14



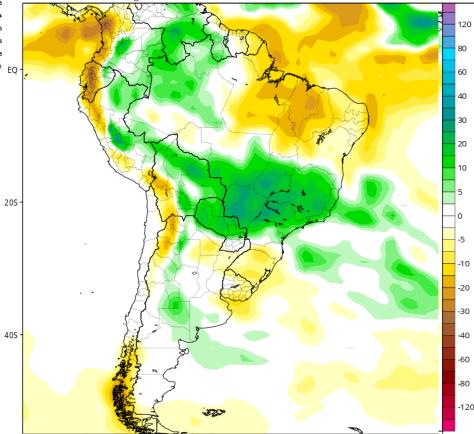
Min Max Anom: -2.8 3.4 inch

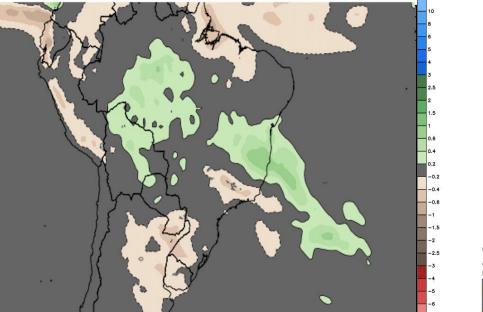
ccumulation between 00Z30N0V2017-00Z07DEC2017 | ECMWF EPS 1997-2016 Hindcast Climatology

CFS again very different - WET over Minas Sao Paulo MGDS Parg... CFS does agree that se Brazil = dry

DEC 1-7 - EURO WET over Minas Bahia north Mato Grosso DRY over se/ sw Brazil

CFSv2 Accumulated Precip. Anomaly (mm) from 00z01Dec2017 to 00z08Dec2017 (Days 22-28 Average of last 48 forecasts (12 runs x 4 members) Init: 06z Nov 07 2017 through 00z Nov 10 2017





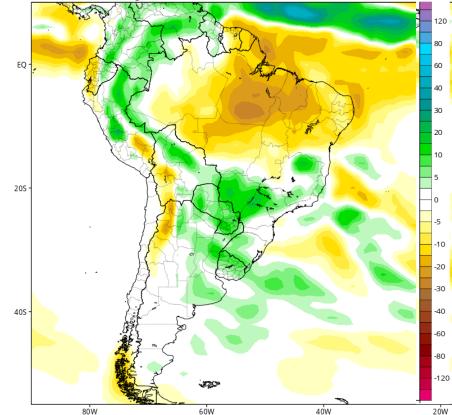
Min|Max Anom: -2.9 | 1.7 inch

Accumulation between 00Z07DEC2017-00Z14DEC2017 | ECMWF EPS 1997-2016 Hindcast Climatology

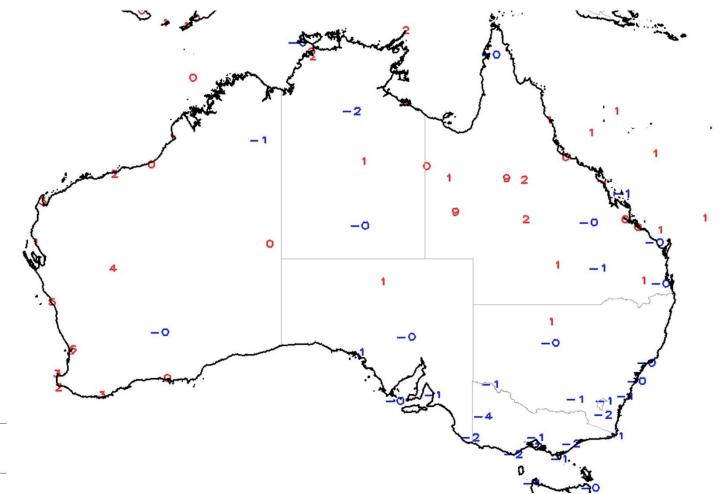
CFS - very different WET over most of ARG into sw/ se Brazil

DEC 8-14- EURO dry over all of ARG ... wet over Minas & western Minas Gerais DRY over se Brazil

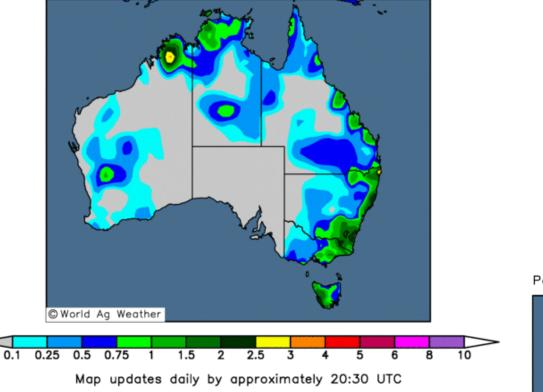
CFSv2 Accumulated Precip. Anomaly (mm) from 00z08Dec2017 to 00z15Dec2017 (Days 29-35 Average of last 48 forecasts (12 runs x 4 members) Init: 06z Nov 07 2017 through 00z Nov 10 2017



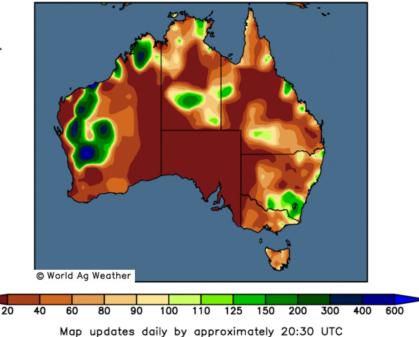
GTS Station Running 7-Day Average Temperature Anomaly (C) Period: 03Nov2017 - 09Nov2017



14-day Precipitation Analysis Observed precipitation (inches) through 12 UTC 9 Nov 2017



14-day Precipitation Analysis Percent of normal through 12 UTC 9 Nov 2017



MAX: 31.2 inch

0.08 0.05 0.02

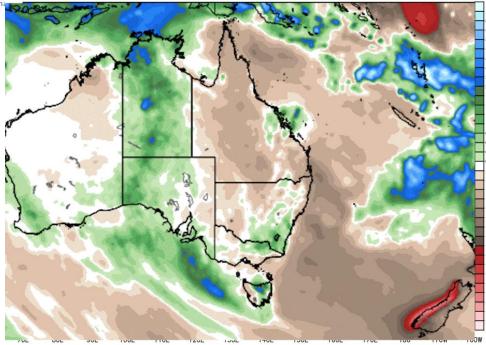
weather.us | @ryar



ECMWF Total Precip Anomaly [inch] between 12Z10N0V2017 -- 12Z20N0V2017 INIT: 12Z10N0V2017 fx: [240] hr --> Mon 12Z20N0V2017

Rainfall anomalies over next 10 days

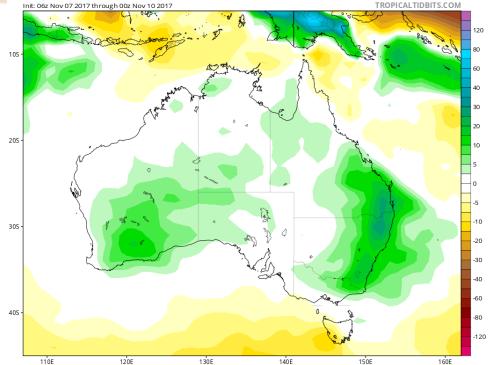
This service is based on data and products of the European Centre for Medium-range Weather Forecasts (ECMWF)



Init: 00Z09N0V2017 -- [252] hr -- Valid on Thu 00Z30N0V2017 Day 3.5 - Day 10.5

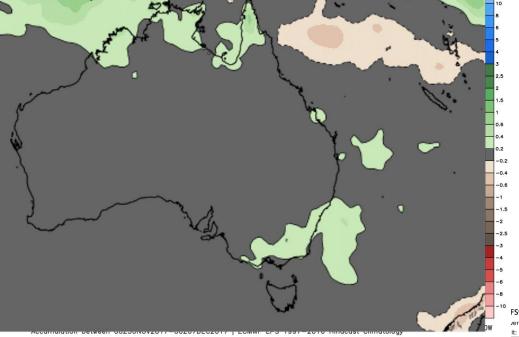
NOV 24-30 EURO wet over east third NSW but CFS much wetter over eastern NSW into se Queensland & sw AUS

CFSv2 Accumulated Precip. Anomaly (mm) from 00z24Nov2017 to 00z01Dec2017 (Days 15-21) Average of last 48 forecasts (12 runs x 4 members)



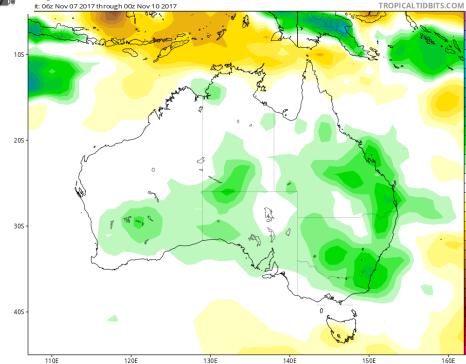
cumulation between UUZZSNOVZU17-UUZSUNOVZU17 | ECMWF EPS 1997-2016 Hinacast Climatology

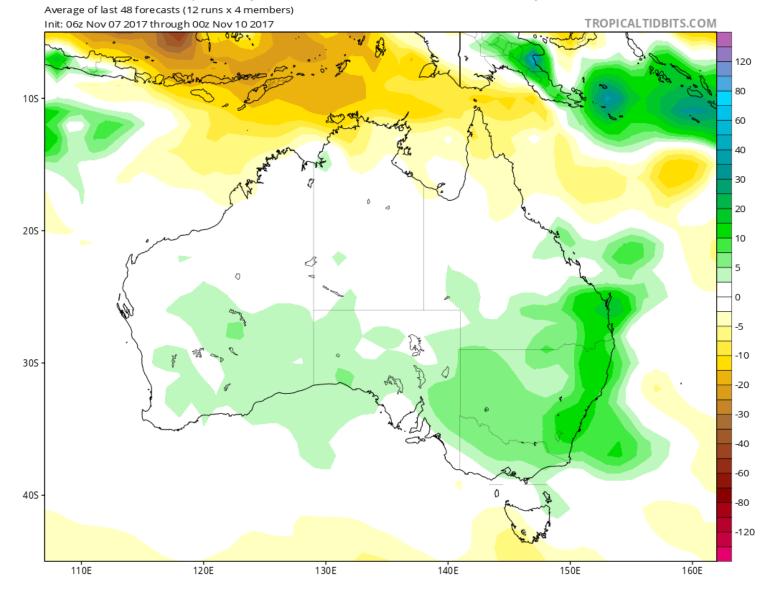
ECMWF EPS Ensemble Mean 7-day Avg Precipitation Anomaly [inch] Init: 00Z09N0V2017 -- [336] hr --> Valid on Thu 00Z07DEC2017 Day 7 - Day 14 Min|Max Anom: -2.2 | 2.8 inch



DEC 1-5 EURO wet over se AUS buts CFS much wetter over eastern NSW into se Queensland & se portion of S.A.T

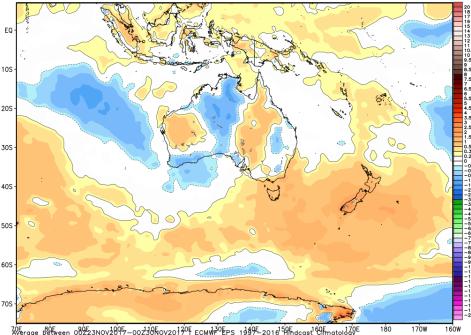
FSv2 Accumulated Precip. Anomaly (mm) from 00z01Dec2017 to 00z08Dec2017 (Days 22-28) aerage of last 48 forecasts (12 runs x 4 members)



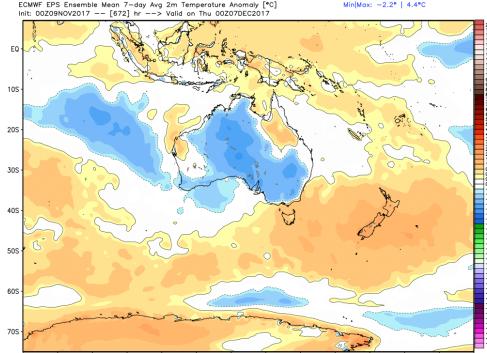


CFSv2 Accumulated Precip. Anomaly (mm) from 00z08Dec2017 to 00z15Dec2017 (Days 29-35)





Into mid DEC -Still no sign of that impressive Aus heat that we have seen over the past several years



花をrage 88年ween 08250NOV2895-002は少ちEC20139年 ECMがおのEps 1月ま9年2016555のdcast6日にmatolのないというない 160W

-12 -14 -14 -15 -16 -17 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

