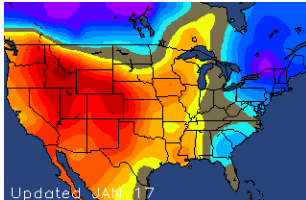


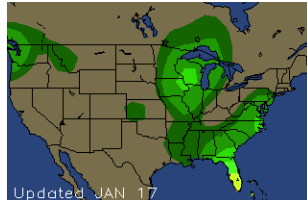
Weather Headlines

- ▶ The latest GFS run has no major changes to the East through the 6-10 though the West is somewhat warmer.
- ▶ The new run is colder across the East in the 11-15, and a little warmer across the West.

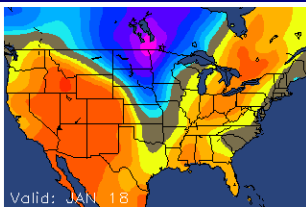
Yesterday's Temp Anomalies



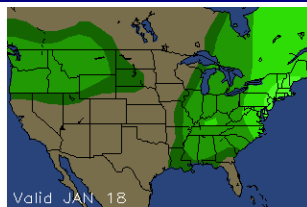
Yesterday's Precip



Today's Temp Anomalies



Today's Precip



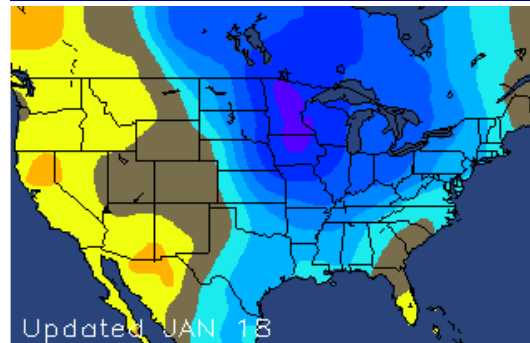
Forecast Discussion

There were no major changes in the latest GFS run through the 6-10 day period across the eastern half of the country though the West was somewhat warmer. A strong push of cold is still anticipated for the end of this week that will send temperatures below zero across portions of the Midwest, including perhaps the Chicago area by Friday morning, and into the single digits across portions of the Northeast. A storm system still looks to bring widespread light to moderate snowfall across the central and eastern U.S. in advance of the cold air later this week as well.

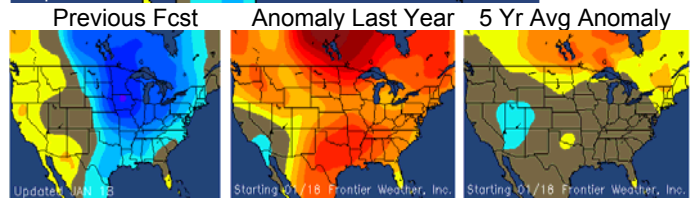
No significant changes were made to the forecast for the 6 10 day period, though the western U.S. was trended a little warmer. The strong cold that will be in place across the eastern U.S. this weekend will be moderating during the course of next week until another round of cold potentially drops southward at the end of next week. It is possible the middle of next week could end up warmer than currently forecast if the timing of cold later next week slows down.

The new GFS run was colder across the eastern half of the 11-15 day period, with a more intense push of cold during the early and middle portions of the period. Models have been in good agreement on bringing additional cold into the eastern half of the country during the period, but the intensity has varied. The updated forecast has been trended only slightly colder across the East as a result (and a little warmer across the West) but not nearly to the extent of the new run. If the colder trends continue tomorrow, then the forecast will be nudged a little colder. However, given the oscillations in the model runs, odds are fairly good that upcoming runs will back off on the intensity of the cold, though likely still keep below normal temperatures in place.

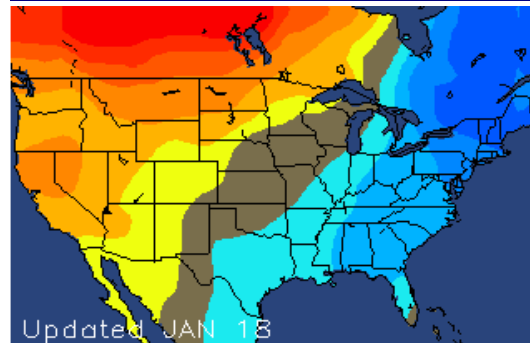
2-5 Day Forecast (Wed 1/19 to Sat 1/22)



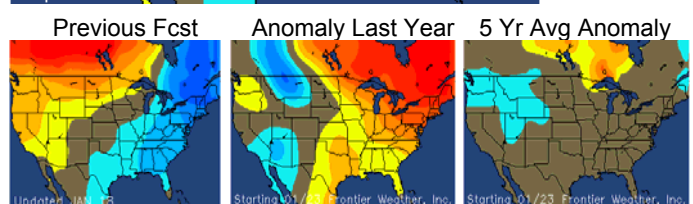
Summary	
PWA:	-6.1
Prev:	-5.8
Chng:	-0.3
LY:	6.7
5YR:	1.4



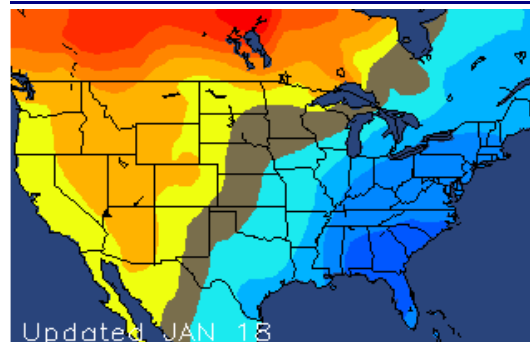
6-10 Day Forecast (Sun 1/23 to Thu 1/27)



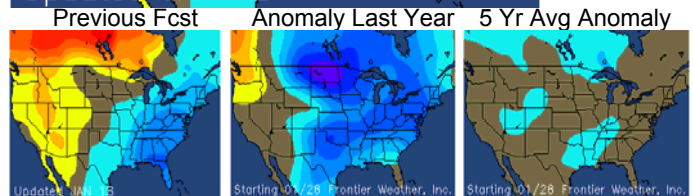
Summary	
PWA:	-4.5
Prev:	-4.8
Chng:	0.3
LY:	6.1
5YR:	0.6



11-15 Day Forecast (Fri 1/28 to Tue 2/1)



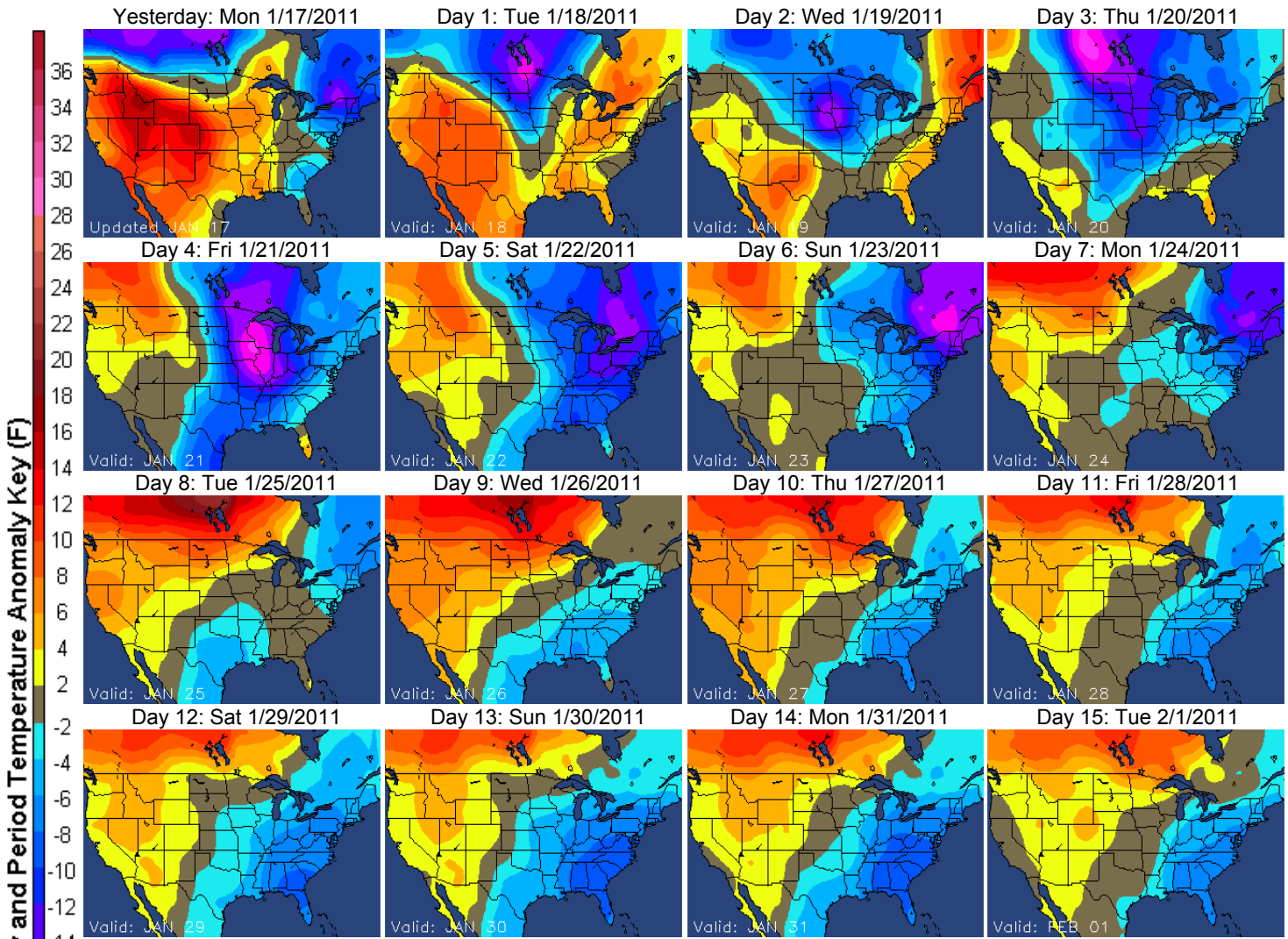
Summary	
PWA:	-5.6
Prev:	-5.2
Chng:	-0.4
LY:	-5.1
5YR:	-0.2



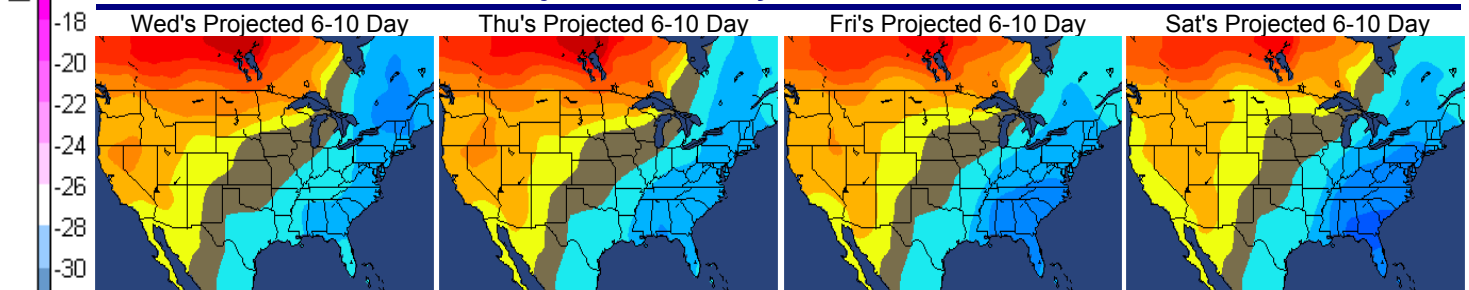
Daily and Period Temperature Anomaly Key (F)



Daily Temperature Anomaly Outlook (2 Deg F Intervals)



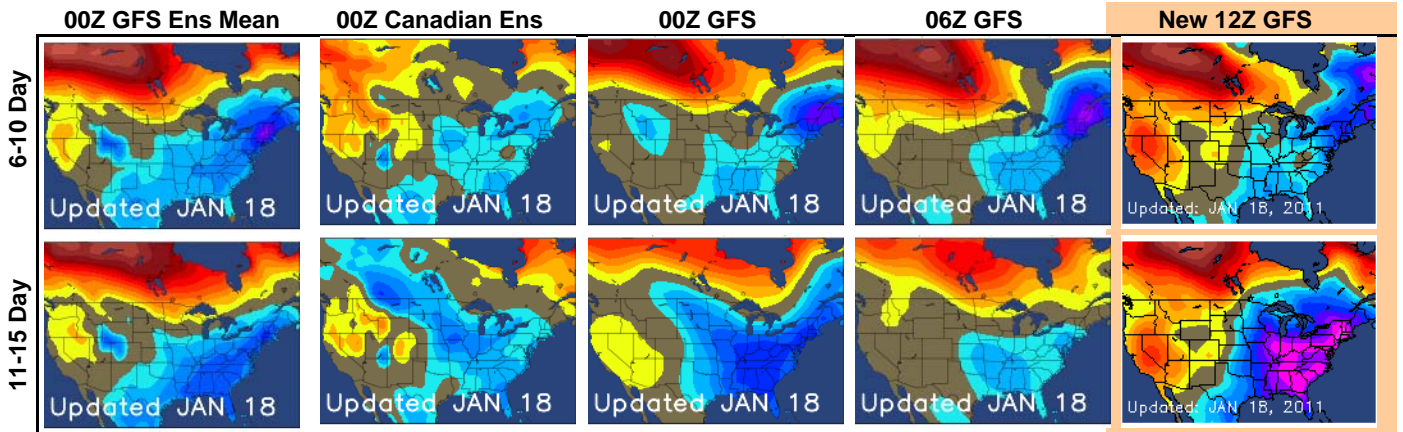
Projected 6-10 Day Forecast Evolution



Daily and Period Temperature Anomaly Key (F)

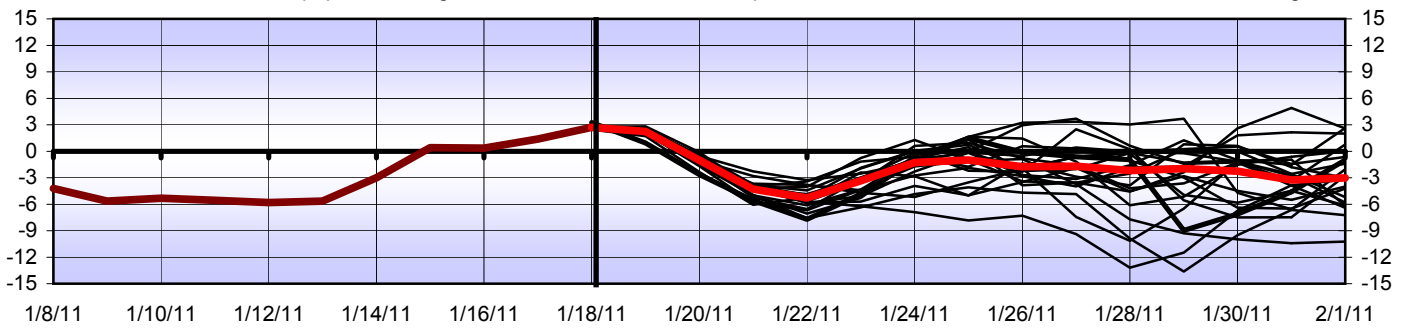


Forecast Model Comparison

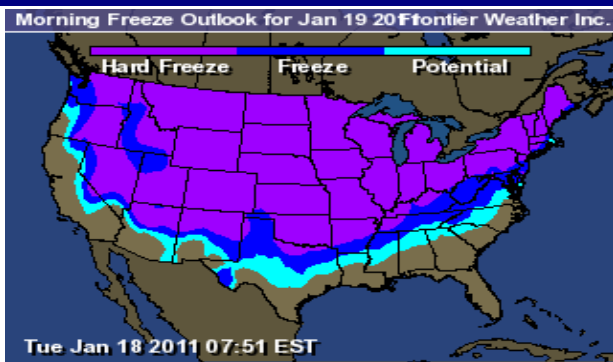


10 Day Observed U.S. Population Weighted Temperature Anomalies and 15 Day Ensemble Forecast

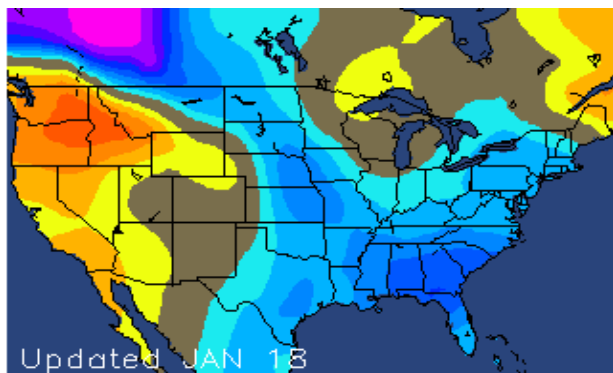
Forecast lines are U.S. population weighted anomalies from 00Z GFS operational and ensembles. Red line is the forecast average.



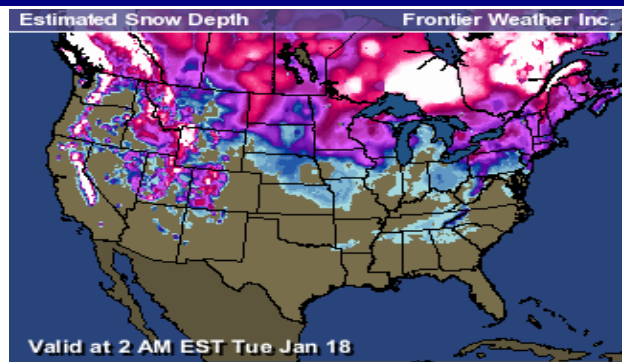
Tomorrow's Freeze Outlook



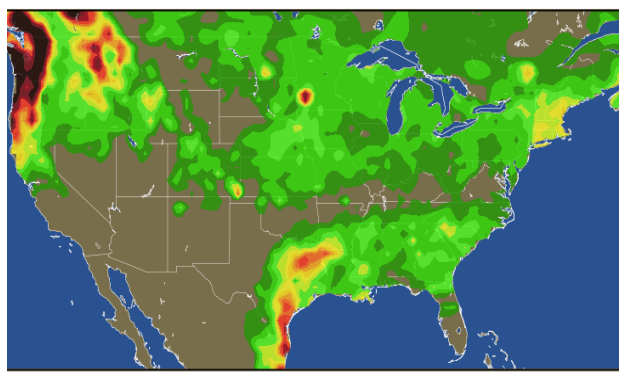
Observed Temperature Anomalies Last 7 Days



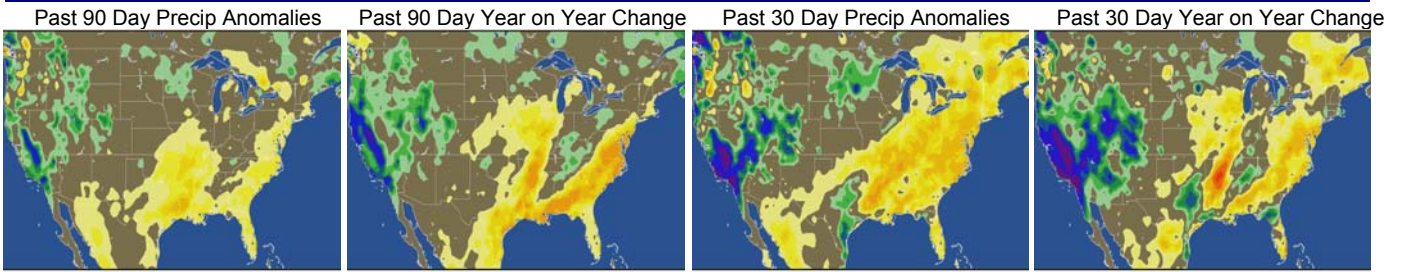
Current Snowdepth



Observed U.S. Precipitation Totals Last 7 Days

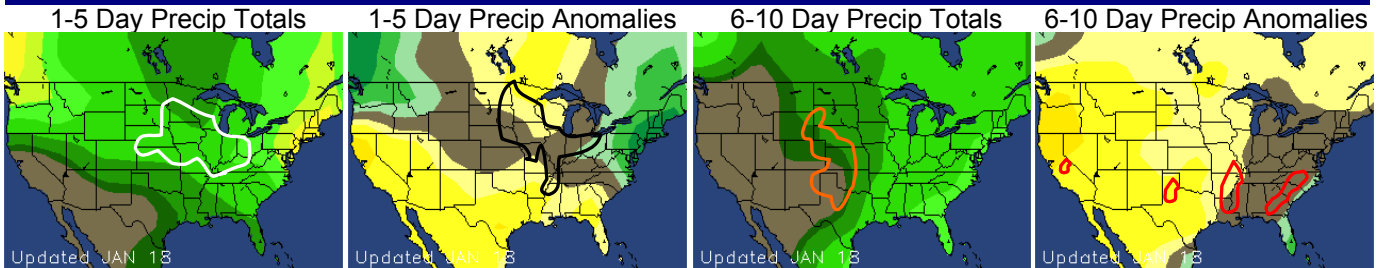


Past 90 and 30 Day U.S. Precipitation Trends



Above precip maps do not include observed precipitation during the day yesterday.

U.S. Forecast Precipitation Summary

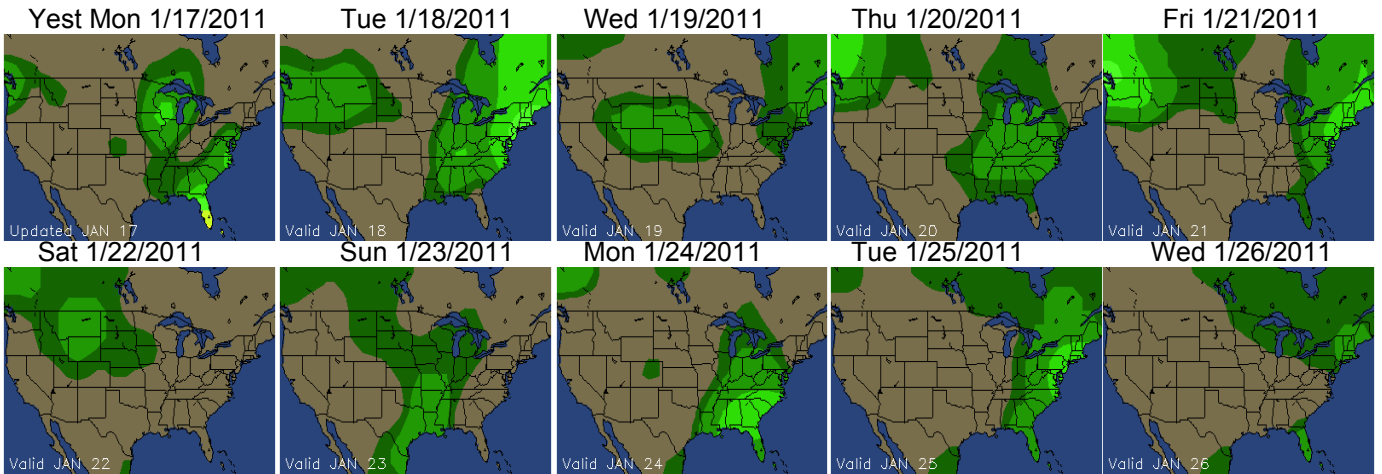


Major corn areas outlined.

Major soybean areas outlined.

Major wheat areas outlined.

Major cotton areas outlined.



Forecast Precip Totals (inches)

Forecast Precip Anomalies (inches)

0.05 0.1 0.25 0.5 0.75 1 1.5 2 3

-1 -0.75 -0.5 -0.25 -0.1 0.1 0.25 0.5 0.75 1

Next 7 Day Temperature & Precipitation Forecast Data

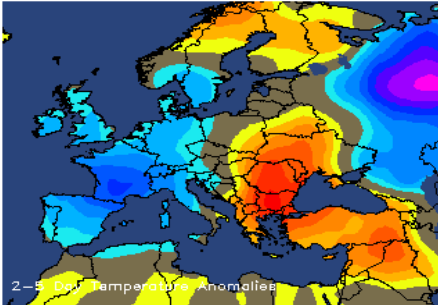
Region	Avg Hi/Lo*	Hi/Lo Anom	Highest**	Lowest**	Fcst Precip	Norm Precip	Precip Anom
Western Corn Belt	22°F/14°F	-9/+3F	43°F	2°F	0.46"	0.22"	+0.24"
Eastern Corn Belt	26°F/18°F	-6/+1F	43°F	6°F	0.47"	0.46"	+0.01"
Western Soybeans	19°F/12°F	-10/+3F	43°F	-2°F	0.45"	0.22"	+0.23"
Eastern Soybeans	28°F/20°F	-6/+2F	63°F	8°F	0.47"	0.51"	-0.04"
Northern Wheat Belt	35°F/17°F	-2/+4F	46°F	7°F	0.29"	0.1"	+0.19"
Southern Wheat Belt	45°F/25°F	-1/+2F	78°F	15°F	0.28"	0.18"	+0.1"
Western SE Cotton	52°F/37°F	-3/+2F	75°F	22°F	0.32"	1.2"	-0.88"
Eastern SE Cotton	54°F/31°F	-3/-4F	70°F	20°F	0.36"	0.96"	-0.6"
Florida Citrus	74°F/54°F	0/+4F	78°F	46°F	0.25"	0.56"	-0.31"

*Avg Hi/Lo are the average forecast high and low temperatures for the next 7 days averaged over all cities in a region.

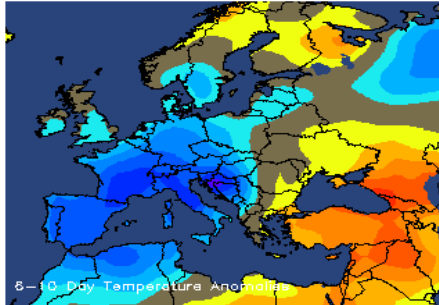
**Highest and lowest forecast temperature is the absolute highest and lowest forecast temperature out of all cities in a given ag region

Europe Weather Summary

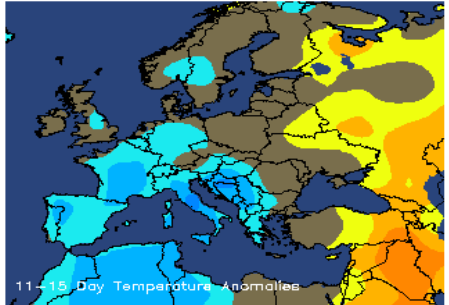
2-5 Day Forecast Temp Anomalies



6-10 Day Forecast Temp Anomalies



11-15 Day Forecast Temp Anomalies



Past 30 and 90 Day Precipitation Trends

30 Day Precip Anomalies



30 Day Year on Year Change



90 Day Precip Anomalies

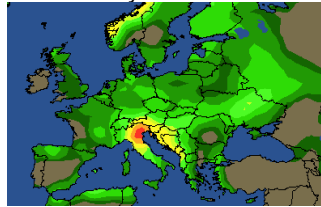


90 Day Year on Year Change

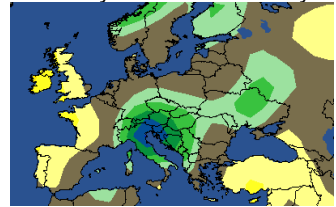


Forecast Precipitation Trends

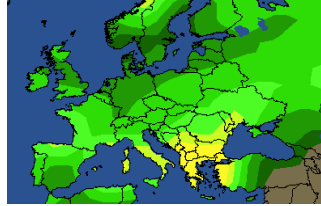
2-5 Day Forecast Totals



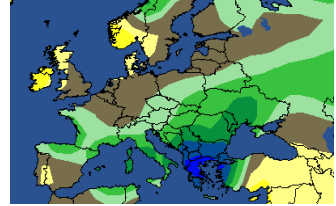
2-5 Day Forecast Anomaly



6-10 Day Forecast Totals

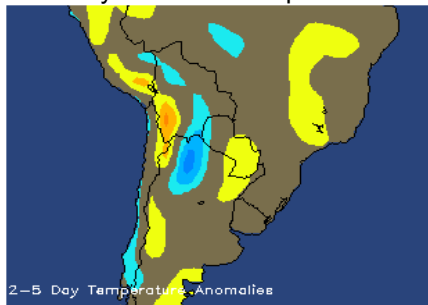


6-10 Day Forecast Anomaly

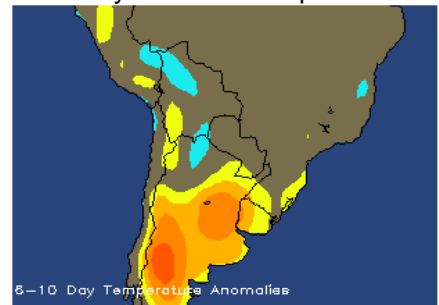


South America Weather Summary

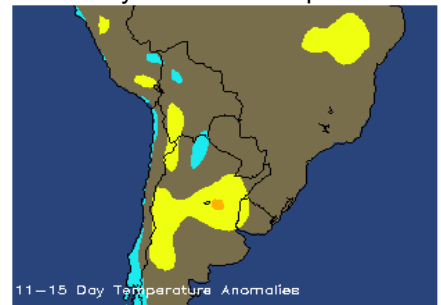
2-5 Day Forecast Temp Anomalies



6-10 Day Forecast Temp Anomalies

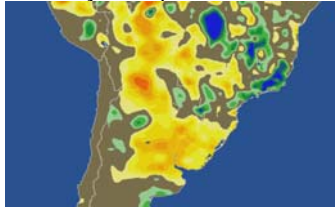


11-15 Day Forecast Temp Anomalies

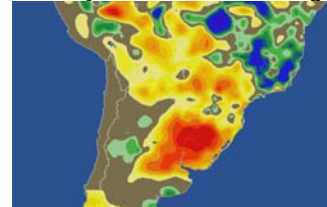


Past 30 and 90 Day Precipitation Trends

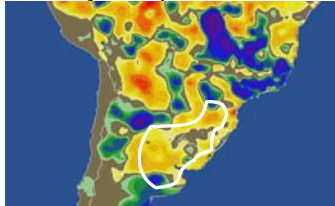
30 Day Precip Anomalies



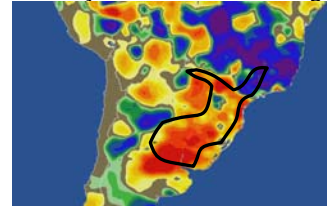
30 Day Year on Year Change



90 Day Precip Anomalies

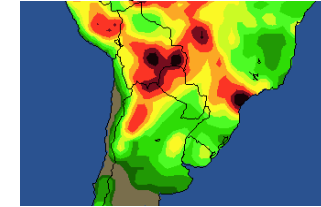


90 Day Year on Year Change

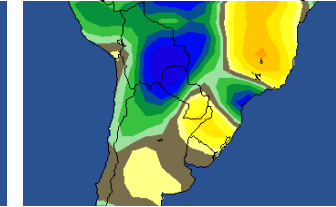


Forecast Precipitation Trends

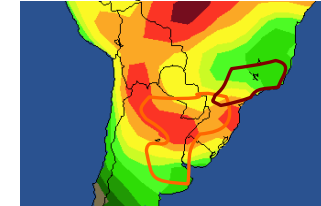
2-5 Day Forecast Totals



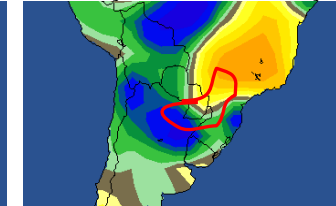
2-5 Day Forecast Anomaly



6-10 Day Forecast Totals



6-10 Day Forecast Anomaly



Major corn areas outlined.

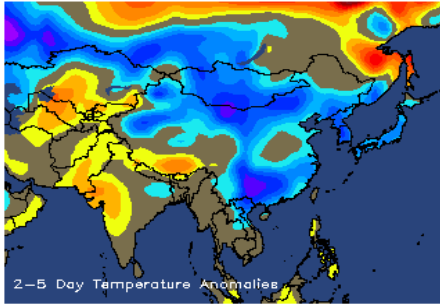
Major soybean areas outlined.

Major wheat & coffee areas.

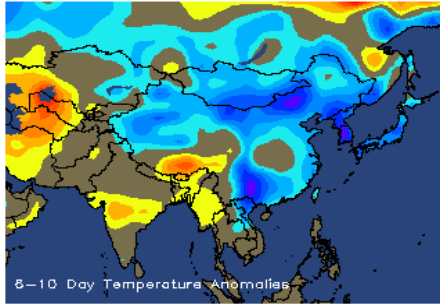
Major cotton areas.

Eastern Asia Weather Summary

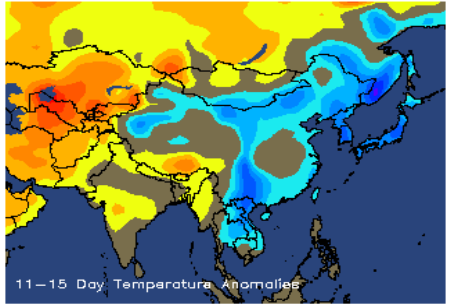
2-5 Day Forecast Temp Anomalies



6-10 Day Forecast Temp Anomalies



11-15 Day Forecast Temp Anomalies

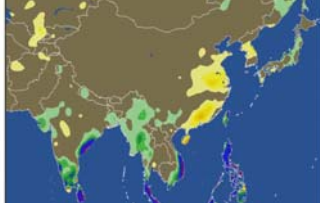


Past 30 and 90 Day Precipitation Trends

30 Day Precip Anomalies



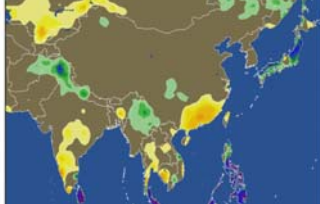
30 Day Year on Year Change



90 Day Precip Anomalies



90 Day Year on Year Change

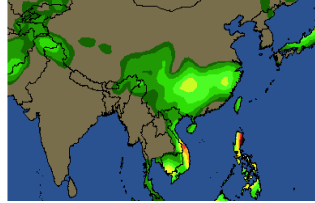


Major corn areas outlined

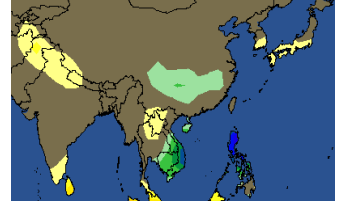
Major soybean areas outlined

Forecast Precipitation Trends

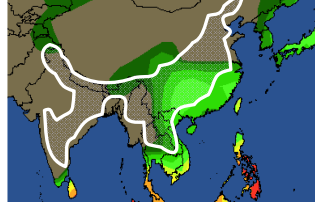
2-5 Day Forecast Totals



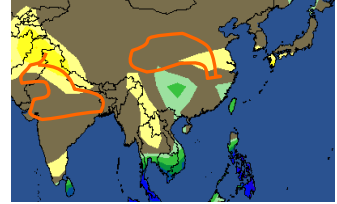
2-5 Day Forecast Anomaly



6-10 Day Forecast Totals



6-10 Day Forecast Anomaly

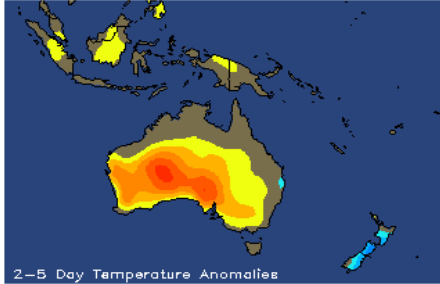


Major rice areas outlined

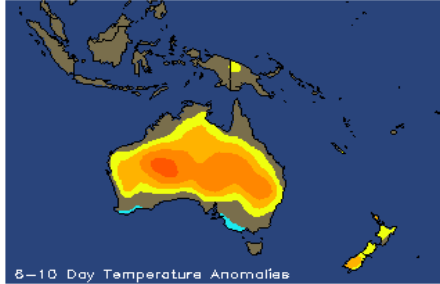
Major wheat areas outlined

Australia Weather Summary

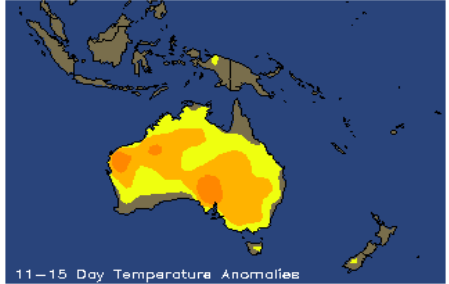
2-5 Day Forecast Temp Anomalies



6-10 Day Forecast Temp Anomalies



11-15 Day Forecast Temp Anomalies

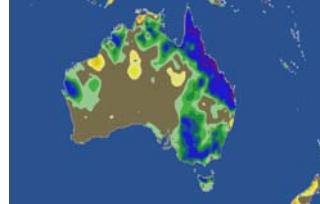


Past 30 and 90 Day Precipitation Trends

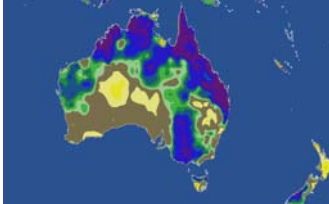
30 Day Precip Anomalies



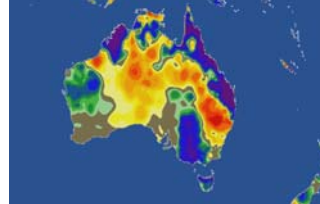
30 Day Year on Year Change



90 Day Precip Anomalies



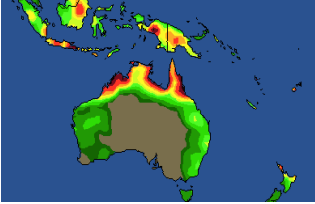
90 Day Year on Year Change



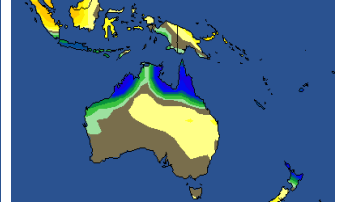
Major sorghum areas outlined

Forecast Precipitation Trends

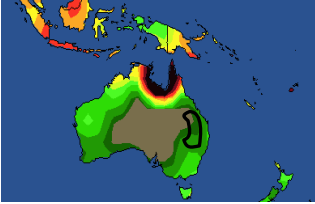
2-5 Day Forecast Totals



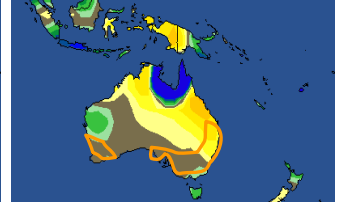
2-5 Day Forecast Anomaly



6-10 Day Forecast Totals



6-10 Day Forecast Anomaly



Major cotton areas outlined

Major wheat areas outlined

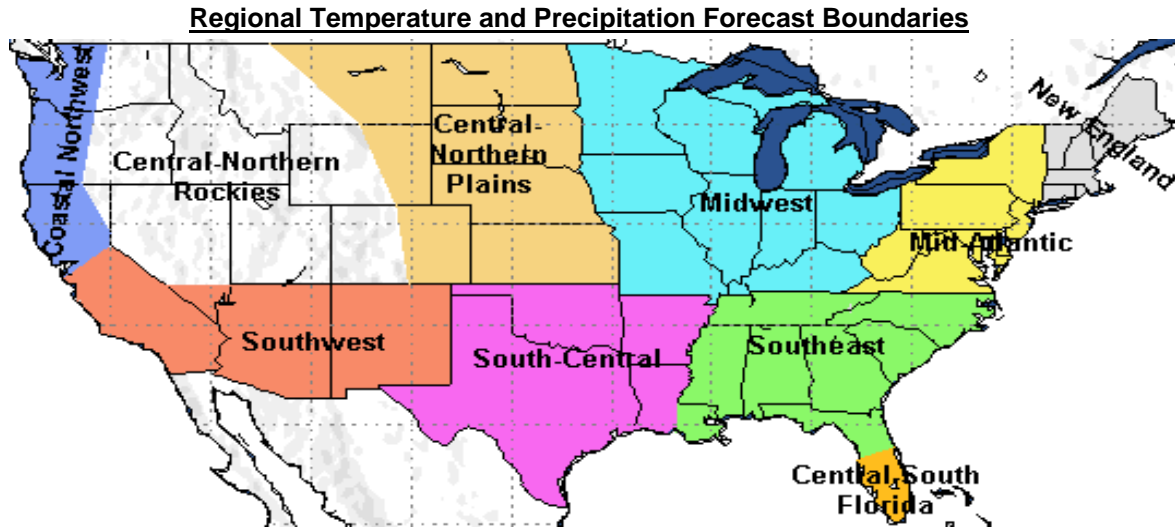
Regional Daily Temperature and Precipitation Averages

Consult Individual City Forecast Product for City Specific Temperature Forecasts

		Last 5 Days					Next 10 Days									
New England	Date	1/13	1/14	1/15	1/16	1/17	1/18	1/19	1/20	1/21	1/22	1/23	1/24	1/25	1/26	1/27
		Avg High	28	23	29	31	18	33	36	25	24	18	17	20	27	30
	Avg Low	18	11	2	15	4	12	24	14	11	7	0	3	7	12	12
	Anomaly	-1	-7	-8	-1	-13	-1	7	-3	-6	-11	-15	-12	-6	-2	-4
	Avg Prcp	0	0.01	0	0	0.05	0.68	0.07	0.04	0.02	0.03	0.28	0.09	0.01	0.01	0.06
Mid-Atlantic	Weekday	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Avg High	28	29	38	35	30	39	39	30	29	23	28	30	35	34	32
	Avg Low	18	15	19	21	18	26	25	19	18	11	12	15	18	19	19
	Anomaly	-6	-8	-1	-2	-6	3	3	-5	-6	-12	-10	-7	-3	-3	-5
	Avg Prcp	0	0.01	0.01	0	0	0.41	0.03	0.02	0.04	0.11	0.08	0.04	0.02	0.05	0.08
Southeast	Date	1/13	1/14	1/15	1/16	1/17	1/18	1/19	1/20	1/21	1/22	1/23	1/24	1/25	1/26	1/27
	Avg High	40	46	54	55	54	56	55	57	47	47	54	54	54	50	50
	Avg Low	20	20	28	33	37	41	39	35	31	24	27	34	35	31	29
	Anomaly	-15	-12	-4	-1	1	4	2	1	-6	-10	-5	-1	-1	-5	-6
	Avg Prcp	0	0	0.09	0	0	0.13	0.03	0	0.15	0.1	0.01	0	0.02	0.18	0.21
C-S Florida	Weekday	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Avg High	55	67	70	73	67	74	75	77	73	66	70	71	73	69	65
	Avg Low	32	39	47	49	56	60	56	55	57	50	46	53	54	51	46
	Anomaly	-20	-10	-4	-2	-2	4	2	3	2	-5	-5	-1	0	-3	-8
	Avg Prcp	0	0	0.46	0	0	0	0.01	0.02	0	0.08	0.01	0	0	0.04	0.08
Midwest	Date	1/13	1/14	1/15	1/16	1/17	1/18	1/19	1/20	1/21	1/22	1/23	1/24	1/25	1/26	1/27
	Avg High	24	28	30	25	35	34	22	22	16	24	26	28	31	31	32
	Avg Low	8	15	17	13	18	17	12	7	2	7	12	14	16	16	18
	Anomaly	-8	-3	0	-5	3	2	-7	-10	-15	-9	-5	-3	-1	-1	0
	Avg Prcp	0.01	0	0	0.01	0.14	0.15	0.03	0.13	0.18	0.05	0.03	0.02	0.04	0.1	0.1
C-N Plains	Weekday	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Avg High	32	34	27	33	39	26	22	20	30	32	31	33	36	36	36
	Avg Low	8	13	11	13	17	10	4	3	7	14	13	14	15	17	17
	Anomaly	0	3	-1	3	8	-2	-8	-9	-2	2	1	2	4	5	5
	Avg Prcp	0.01	0	0	0.01	0.13	0.06	0.03	0.19	0.03	0.00	0.00	0.01	0.03	0.02	0.06
South-Central	Date	1/13	1/14	1/15	1/16	1/17	1/18	1/19	1/20	1/21	1/22	1/23	1/24	1/25	1/26	1/27
	Avg High	41	52	55	51	58	55	55	47	47	54	54	51	50	52	54
	Avg Low	20	28	36	37	38	37	32	29	23	26	33	33	30	29	32
	Anomaly	-12	-3	3	1	5	3	1	-5	-8	-3	0	-1	-4	-3	-1
	Avg Prcp	0	0	0	0	0	0.02	0	0.16	0.13	0	0	0	0.06	0.08	0.03
Southwest	Weekday	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Avg High	63	65	65	64	67	67	66	62	63	64	62	63	64	67	67
	Avg Low	39	41	41	44	46	47	43	41	38	40	42	42	43	44	
	Anomaly	3	5	5	6	9	8	6	3	2	3	3	3	4	5	6
	Avg Prcp	0.02	0.3	0.31	0.7	0.31	0	0.51	0.03	0.01	0.15	0.13	0.03	0.04	0.2	0.14
Northwest	Date	1/13	1/14	1/15	1/16	1/17	1/18	1/19	1/20	1/21	1/22	1/23	1/24	1/25	1/26	1/27
	Avg High	54	58	57	57	56	53	51	52	55	54	54	56	58	59	58
	Avg Low	44	47	46	50	43	41	39	36	38	40	38	40	41	42	42
	Anomaly	6	9	9	11	7	4	2	1	3	4	3	4	6	7	6
	Avg Prcp	0.55	0.2	0.43	0.4	0.15	0.16	0.28	0.26	0.32	0.65	0.69	0.49	0.46	0.58	0.5
C-N Rockies	Weekday	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Avg High	40	46	45	48	51	44	39	37	40	41	39	40	43	46	45
	Avg Low	24	32	30	35	32	29	24	20	23	26	24	25	26	28	29
	Anomaly	5	12	10	14	14	9	4	0	3	5	3	4	6	8	8
	Avg Prcp	0.14	0.04	0.09	0.28	0.12	0.1	0.2	0.1	0.06	0.11	0.15	0.16	0.15	0.24	0.23

Notes

PWA=Population Weighted Average Temp Anomaly



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