



# EARTHSAT ENQUIRER

Keeping you informed on the latest projects at MDA EarthSat Weather

April/May 2008

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## Energy Weather

In an attempt to better service ERCOT-focused customers this spring and summer, MDA EarthSat Weather has decided to offer an improved weather service for the Lone Star state. A stand alone TESLA load product, that is driven by MDA EarthSat's hourly weather forecasts, will also be made available to those parties that are interested in load forecasts.

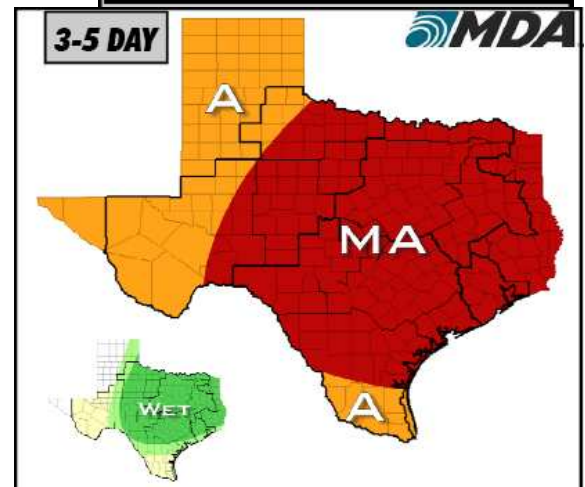
The load products also feature comparisons of TESLA load profiles against what is publicly available on the ERCOT public access website. The load forecast goes out seven days.

The weather forecasts go out fifteen days and includes not just temperature but precipitation and wind speed information for the very pivotal panhandle region. A probabilistic temperature forecast is portrayed along with dew point and heat index data. Also, any developing drought will certainly be addressed.

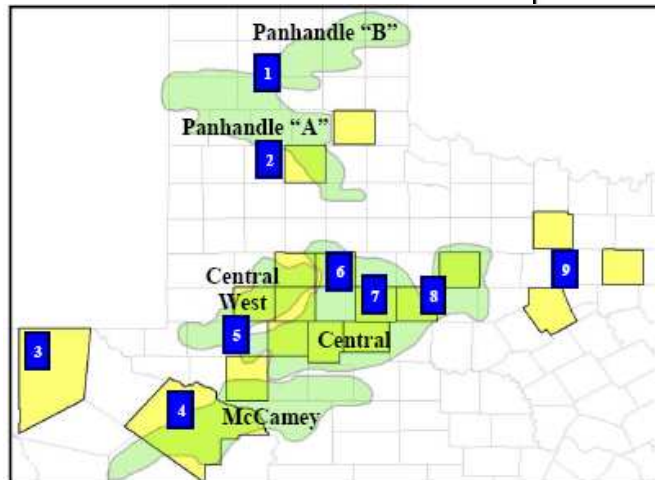
If you would like to trial the MDA EarthSat/TESLA weather/load product suite (upgraded LoneStar package), please contact us!

CALENDAR OF ERCOT LOAD			
2008	Peak Load (Hour)		Start @
Date	Forecast	24hr chg	3/29/2007
3/27	37,554	252	35,493
3/28	35,209	-782	33,951
3/29	33,701	-2,048	30,674
3/30	38,890	-184	34,350
3/31	39,574	-555	37,640
4/1	36,000	-1,748	41,689
4/2	36,004	Weekend Days Green	

07' Days of Week Match 08' Days of Week



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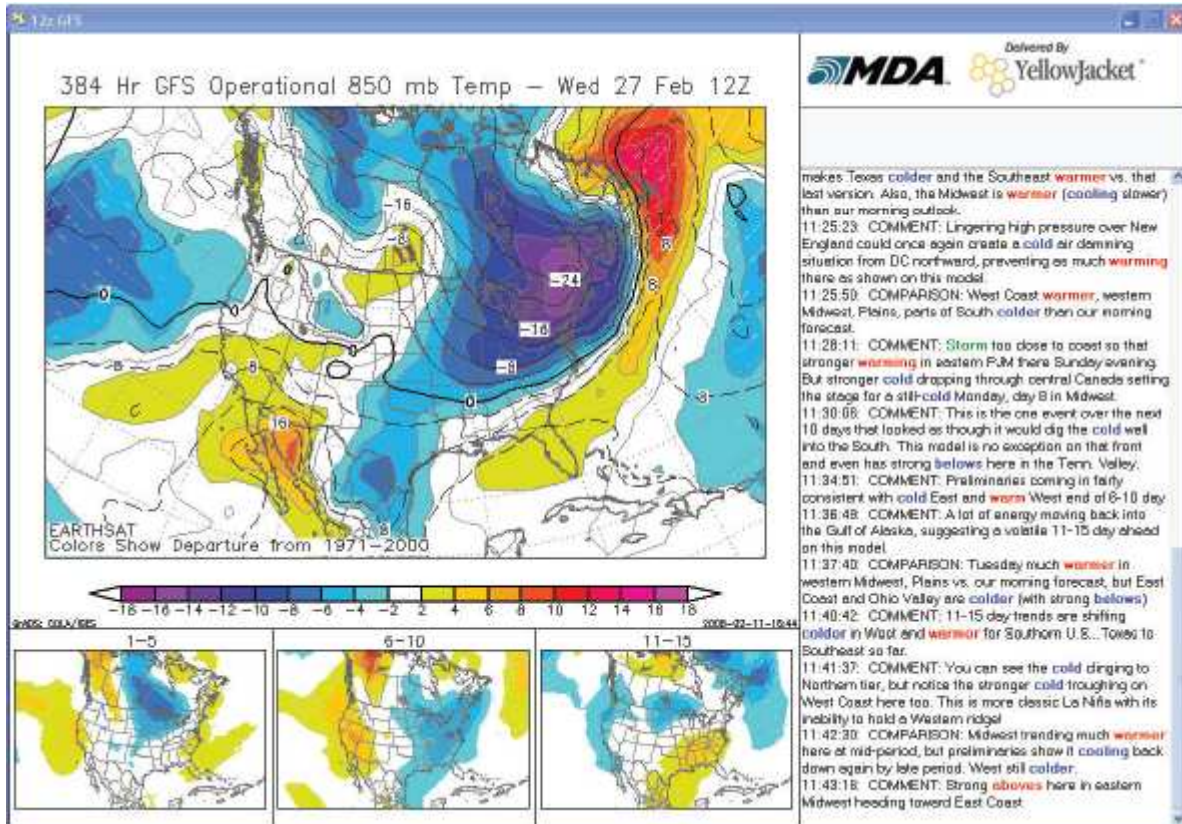


Region ->		Panhandle "B/A"			
Station ->		AMA(1)		PVW(2)	
Date	Peak	Wind/Gust	Wind/Gust	Wind/Gust	Wind/Gust
3/27	Day	15-20	30	15-20	30
3/28	Night	20-25	35	20-25	35
3/28	Day	20-25	40	20-25	40
3/29	Night	15-20	25	15-20	25

Day: 7am-11pm      Night: 11pm-7am  
 1-Amarillo, 2-Plainview, 3-Pine Sp

**Map Legend**

- CREZ Wind Zones
- NWS Stations
- 2007 Counties with Wind Generation



MDA EarthSat Weather introduced the next level in realtime weather model monitoring recently. With the help of YellowJacket, MDA EarthSat weather is now offering the Live Model Streamer. With this new tool, you can follow along with each critical weather model update as it arrives at MDA EarthSat Weather. A meteorologist will also monitor the model and offer their real-time comments as the weather data appears.

Commentary includes:

- (1) Comparisons to previous weather model runs
- (2) Comparisons to morning MDA EarthSat outlook
- (3) Identification of key features and weather influencers
- (4) Predictions of the balance of model and significant model changes

Coverage includes model updates on all business days (excluding holidays and weekends).

Model coverage will include the following 12 UTC weather model runs:

GFS (American Model)  
11:40am to 12:45pm ET  
(10:40-11:45 CT)

GFS Ensemble (American)  
12:50pm to 1:20pm ET  
(11:50-12:20pm CT)

ECMWF (European)  
2:20pm to 3:20pm ET  
(1:20pm-2:20pm CT)

ECMWF Ensemble (European)  
4:20pm to 5:10pm ET  
(3:20pm-4:10pm CT)

Bottom section of image below will also show 1-5, 6-10 and 11-15 day composites!

For more information about energy weather products or to sign up, please contact Chris Hyde at [christopher.hyde@mdafederal.com](mailto:christopher.hyde@mdafederal.com) or phone direct at 240.833.8322

[www.mdafederal.com/wx/](http://www.mdafederal.com/wx/)



## Energy Weather continued...

Hard to believe that it is the time of year to start switching gears and think about the tropics. For over fifteen years, MDA EarthSat Weather has produced the Tropical Update during the hurricane season.

The official report (.pdf) gets sent out at 5:30am ET and again at 11:30am ET. Probability of tropical development and Gulf impacts are addressed.

The web-based portion of the Tropical Update denotes all the GOM wells that are impacted by an impending system. A specific percentage of company production loss is displayed for each track update that occurs.

If there is a system brewing, the rapid tropical model e-mails get blasted 24/7 and instantaneously to clients alerting of track shifts and intensity revisions.

Also, a valued part of the Tropical Update is unlimited phone consultation with a meteorologist, 24/7!

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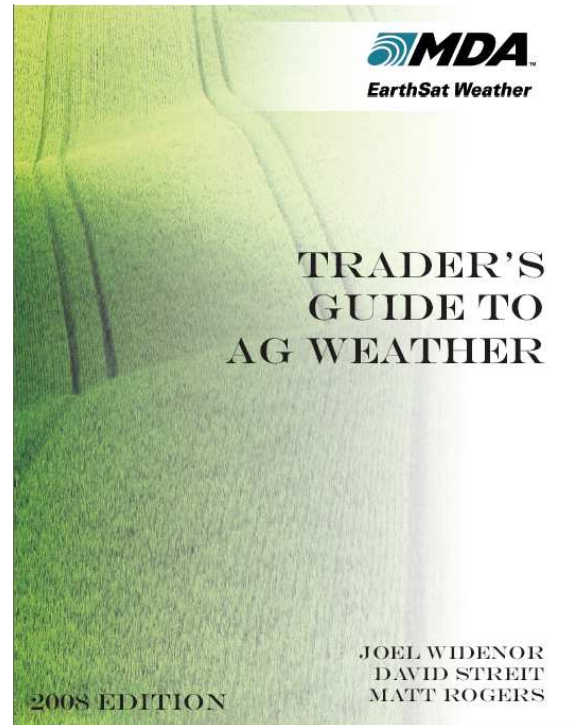
## Agricultural Weather

Like the energy version, a Trader's Guide to Agricultural Weather will be launched this month. Our first version of this guide will cover many aspects, including crop phenology, growing area maps, and explanations of weather impacts to agriculture. This is the perfect handy reference guide for traders/meteorologists entering the ag markets.

Very soon, CropCAST will also be launching the unique Weekly National Crop Condition Forecast product. This NEW service allows traders and analysts to prepare for market volatility by projecting weekly forecasts of changes in the USDA corn and soybean ratings the night before the USDA release. This service also includes:

- Forecast error analysis to evaluate skill
- Comparison of current season to previous season's ratings and 5-year average
- Objective determination of potential crop yields based on current conditions
- Discussion of expected changes in crop conditions during coming week

The planting season is here, so sign up today!



For more information about ag weather products or to sign up, please contact Joel Widenor at [joel.widenor@mdafederal.com](mailto:joel.widenor@mdafederal.com) or phone direct at 240.833.8238

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## Conferences

Are you a trader and want to know the basics of weather? Do you want to understand how weather impacts the markets? The 2nd Annual MDA EarthSat Weather Course for Analysts and Traders will take place April 21-23 here in the Washington D.C. metro area. We have experts from the University of Wisconsin and NOAA conducting the presentations. Many clients have already registered. There are only a few slots left so please reserve your seating and sleeping rooms today!

The next joint MDA EarthSat/PIRA Energy Conference will take place on Monday, May 5th in New York City at the W Hotel - The Court. The agenda has been set up with a seasonal forecast panel and a hurricane expert presenting. Registration and details have been sent out and have also been posted on the conferences website.

For details of all upcoming conferences, please log onto:

<http://www.earthsat.com/conferences/>

As mentioned last time, we are once again returning to Vegas for our 7th Annual EarthSat Conference for Weather Analysts. The event will take place Oct. 8-10 at the beautiful Wynn Las Vegas resort. More details will be posted on the conference website later this spring.



For more information about conferences or to register, please contact Chris Hyde at [christopher.hyde@mdafederal.com](mailto:christopher.hyde@mdafederal.com) or phone direct at 240.833.8322

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## Historical Data

As part of our never ending quest to meet your needs as a one-stop data shop we would like to remind you about the following that is available:

\* Cleaned synoptic data ~3,000+ stations, global coverage, temperature and precipitation. Historical data is available back to the 1950s with real time updates available and a 15-day ECMWF MOS forecast for all stations.

For more information about data related products, please contact Christian Guillemot at [christian.guillemot@mdafederal.com](mailto:christian.guillemot@mdafederal.com) or phone direct at 240.833.8233

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***Thanks for your business!***  
*Your input into product development is very much appreciated.*