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Energy Weather

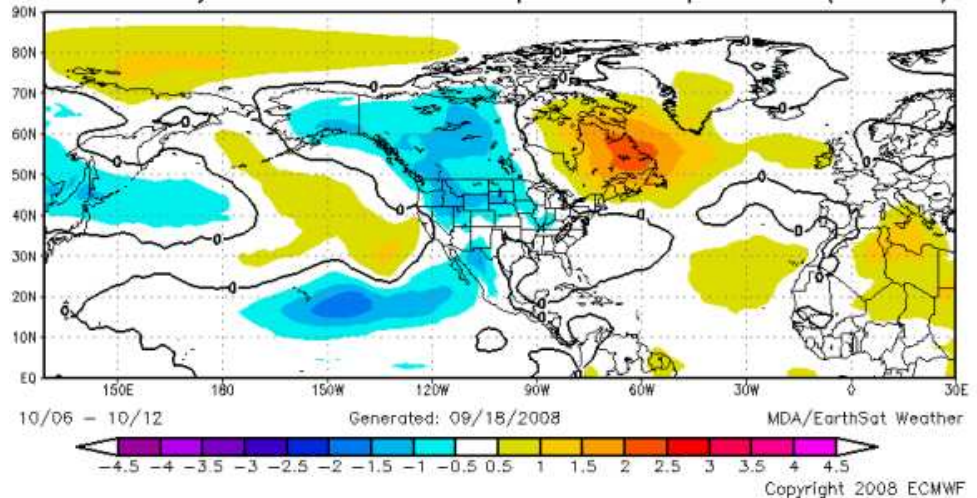
Interested in long lead forecasts into the heating season? The ECMWF Weekly Climate Outlook (partial sample shown below) releases 4-weeks of climate outlooks each Thursday evening. MDA EarthSat Weather creates maps from data showing temperature (850T) and upper level (500 mb) departures from normal for each period.

Broad coverage includes eastern Asia, N. America, and Europe as well as the winter critical high latitudes.

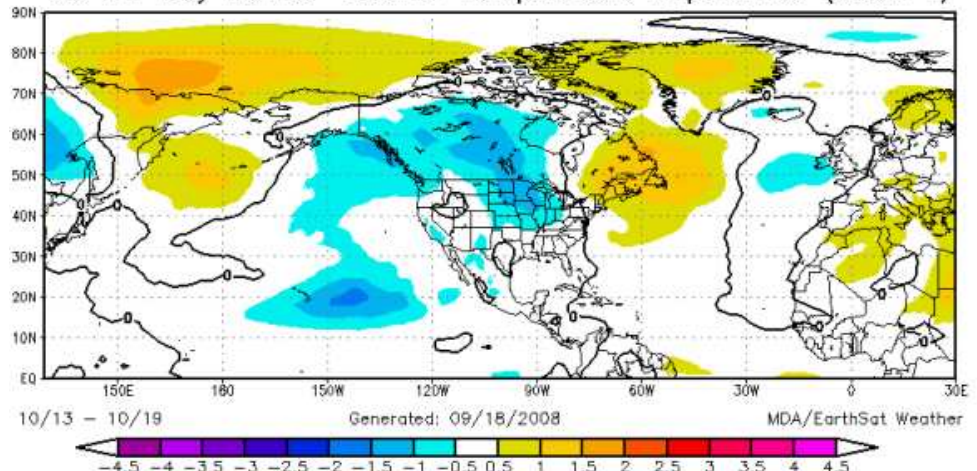
This product is available via client websites as well as e-mail delivery. Southern hemisphere options are also available.

The ECMWF also forecasts rolling 7-month outlooks the 15th of every month.

19–25 Day ECMWF 850mb Temperature Departures (Week 3)



26–32 Day ECMWF 850mb Temperature Departures (Week 4)



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Energy Weather continued...

Riverside Technology, inc. and MDA EarthSat Weather has a joint hydro product. This product is an enhancement to the current Western Utilicast and updates every Thursday.

The product includes a water supply forecast update which has the following:

- * Volume (KAF) and % of average for various periods at The Dalles and Grand Coulee
- * Technical Discussion by Riverside
- * Weather Discussion by MDA EarthSat
- * Volume reference charts
- * 7-Day and 30-Day Temperature and Precipitation for all of the western U.S.

We highlighted the ECMWF weekly and monthly model on the front cover. If you require additional seasonal weather information, every Tuesday, MDA EarthSat Energy Weather issues LongView. This seasonal forecast product focuses on the balance of the current season and projects into the following season.

The analysis in LongView includes several long term parameters consisting of: ENSO, QBO, MJO, MEI and their associated analog year fits. The official forecast is comprised of a consensus of in-house meteorologist input.

With the help of YellowJacket, MDA EarthSat weather now offers the Live Model Streamer. With this 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.

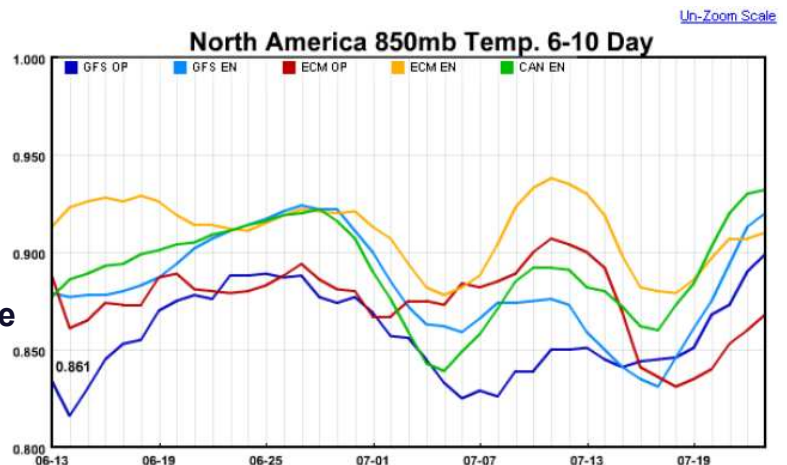
Commentary includes:

- (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

MDA EarthSat's Models Page is the place to get all operational and ensemble model information. One recent upgrade this past summer included the model verification section (see graph below). This new feature tracks ongoing model performance and scoring.

The other features and upgrades of the Models Page include:

- * *More Real-Time*
Automatically fetches new maps as they come in
- * *Main Page Automatically*
updates the following
 - Percentage complete
 - Latest run
 - Last map created
 - Latest available anomaly maps
- * Multi-Map Interface
- * New Map Notifications
- * Option for Auto-update



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

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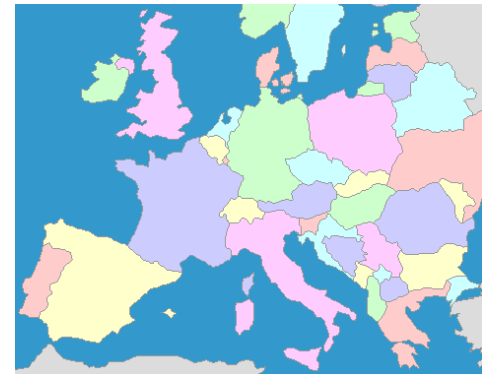
Energy Weather continued...

MDA EarthSat Weather has teamed up with Pattern Recognition Technologies (PRT) to bring innovations in energy load modeling to the European energy market!

Products include:

- * Online short-term and hourly weather, load and price forecasting services for energy markets
- * Stand-alone load and price forecasting software for the electric and gas industries
- * Outsourced database-specific forecasting services
- * Custom software for any forecasting problem

30-day free trial access to weather, load and price data for major European population centers available!



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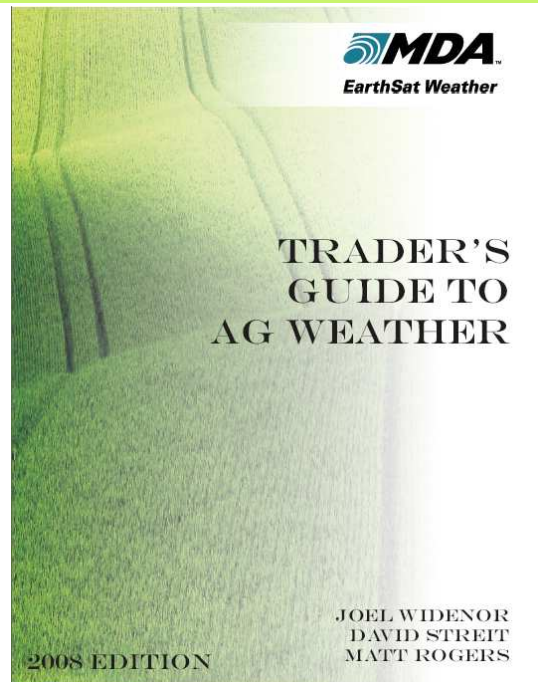
Agricultural Weather

Worried about the status of crops in Australia? Get the latest with CropCAST's Weekly Australia Report. This report includes:

- * Past and forecast weather as well as impacts on the wheat, barley, sorghum and cotton crops
- * Detailed analysis for each of the five crop intensive states
- * Detailed maps depicting past and forecast precipitation and temperature departures, as well as precipitation percent of normal by month
- * Large graphic of the continent depicting specific crop areas of interest, along with commentary on those areas
- * Detailed acreage, yield and production estimates from CropCAST for wheat, barley, sorghum and cotton

CropCAST also offers the Weekly South American Oilseeds Report. This is a unique package of crop weather info specific to South American Oilseeds with maps and text.

Do not forget about ordering your copy of the Trader's Guide to Agricultural Weather. Only a few copies of the 2008 edition remain!



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

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Matt's Note

With October on the doorstep now, the thoughts are switching from the Hurricane Season to the Heating Season. This past tropical season was indeed a challenge to many forecasters. For me, it has triggered a whole host of new ideas for how to improve the product for next season. One of the big questions the clients had this year was "which model is performing better for this storm" so that they can get the lead on major track changes up ahead. I want to work to improve our basic reports to shift gears from reporting on the current status and NHC advisories to better assessment of track forecast verifications to develop a more sophisticated probabilistic tracking forecast for the storms. So look for new upgrades in the new year on this front.

Otherwise our main focus is on next week's Vegas conference and we have an impressive speaker agenda that includes seasonal outlooks, industry updates, and research updates. Of course, with all the craziness in the financial world right now, the attendees may just be looking for a respite from the trading floors!

We're also planning on having a great afternoon conference in Houston in mid-November. At that point, the winter outlook will be most crucial and important climate pieces should be in place to offer the best insight on the critical season ahead.

As the season begins to pick up, it's important to remind you that our operations center is 24/7/365. You can call our team at any time for weather updates and guidance on whatever weather-related needs you may have. (240-833-8300)



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Staff Recognition

Robert (Bob) Haas has been with the MDA EarthSat weather group since Spring 2005, when he graduated from Penn State University (where else?) with a bachelor's of science degree in Meteorology. Bob is from the Pittsburgh area (just about ten minutes north of the city) and appreciates the being able to drive back when he can.

In the weather group, Bob has quickly become a highly valued consultant by tackling IT issues, agriculture support and energy weather related support. He frequently supports our 24/7/365 operations by working weekend shifts in addition to his Monday through Friday schedule. And he conducts regular conference calls with clients discussing the latest forecasts, weather concerns, and risks to the expectations. He has become the go-to forecaster for all things West, including the important tracking of Northwest hydro.

Bob notes that his biggest challenge is managing and forecasting for all the micro-climates that dominate Western city forecasting. Indeed, the most volatile and unpredictable weather can be found in the Western U.S. and Canada, especially for key cities like Calgary and Denver.



Bob Haas
Operational
Forecaster

If you would like to nominate an employee of MDA EarthSat Weather for special recognition. Please contact
christopher.hyde@mdafederal.com
or phone direct at 240.833.8322

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Conferences

Next week is our 7th Annual EarthSat Conference for Weather Analysts in Las Vegas. Look for information regarding the conference outcome in the next newsletter.

The final 2008 conference is the Annual Fall Joint MDA EarthSat/PIRA Energy event held Monday, November 10th in Houston at the Westin by the Galleria (pictured to the right). The agenda is complete with MDA EarthSat, ICAP and WeatherAmerica speaking about the winter 2008/09 outlook. Riverside Tech. will focus on the hydro across the Columbia River basin. AER will discuss the Arctic Oscillation and the impacts on this upcoming heating season. Finally, PIRA Energy Group will present their forecast for winter gas storage levels and price.

For more details of the upcoming conference, please log onto:

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



For more information about conferences or to register, please contact
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Historical Data

MDA EarthSat data product offerings continue to grow. Earlier this year, the Chicago Mercantile Exchange commissioned EarthSat to provide weather products for 6 new US CME stations, bringing the total to 24.

MDA EarthSat also offers cleaned hourly data for 828 US stations. Our off-the-shelf holdings include historical data going back to 7/1/1996 for most cities as well as hourly cleaned feeds that can be delivered on a near real-time basis.

We also are continuing to expand our international data products as well as processing wind storm data.

For more information about weather data, please contact
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Thanks for your business!

Your input into product development is very much appreciated.