



EARTHSAT ENQUIRER

Keeping you informed on the latest projects at MDA EarthSat Weather

December '08/January 2009

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Energy Weather

Now that the heating season is here, do not forget about some of the energy weather products that will assist you in the months ahead.

MDA EarthSat Weather has a joint product with PIRA Energy Group based in New York City. This product is called the Gas Weather Outlook (GWO).

GWO provides the latest Energy Information Administration (EIA) forecasts (current week and forward weeks). The report includes degree day updates weighted by natural gas and electricity consumption as well as a weather discussion. To the right is an example of the daily product.

Also, every Tuesday afternoon, separate pages are issued that includes a discussion from PIRA as well as updated weekly and monthly stats, including verification.

There are also two joint conferences that are conducted. In the spring, the event takes place in New York City and in the fall, the event takes place in Houston. MDA EarthSat and PIRA Energy Group both offer their expertise prior to heading into the associated cooling or heating season.

PIRA Energy Group has been a product partner with MDA EarthSat Weather for almost 15 years!

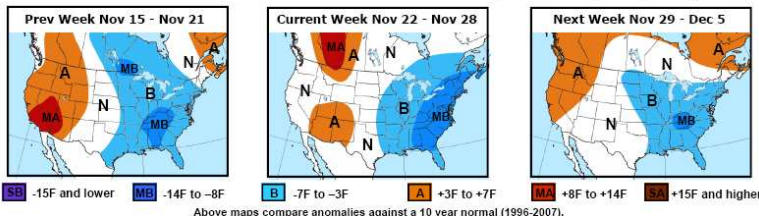
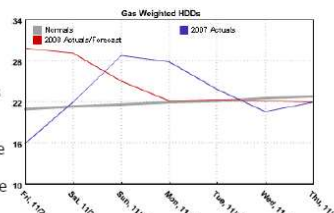


Gas Weather Outlook
Tuesday, November 25, 2008
Forecaster: JS

Earth Satellite Weather Outlook:

Similar Theme: Mainly Cold East

Another cold front is pushing away from the East Coast this morning, and is ushering another round of cold weather through the Midwest and to the East Coast. Some brief spurts of moderation is still expected late this week, and again towards the middle of next week; however, these warmer periods are expected to be brief and generally modest. Elsewhere, the western states are expected to be generally seasonable to even warm at times, through there are some cooling trends towards the middle of next week.



Gas-Weighted HDD Forecast			
Actual	124.2	10 year Normal	18.5
	123.6	Departure	2007
142.7			

Gas-Weighted HDD Forecast			
Act/Fcst	140.6	10 year Normal	32.1
	169.9	Change	-2.1
172.7			

Gas-Weighted HDD Forecast			
Forecast	160.3	10 year Normal	22.5
	192.7	Change	-2.6
182.8			

PIRA Gas Storage Outlook

Gas Storage Changes (BCF)

Negative values denote net withdrawals.

Wk End	2008	Change	2007
31-Oct	Actual	12	0
7-Nov	Actual	62	0
14-Nov	Actual	16	0

Gas Storage Levels (BCF)

Wk End	2008	2007	Diff.
31-Oct	Actual	3,405	3,535
7-Nov	Actual	3,467	3,539
14-Nov	Actual	3,483	3,539

Look for expanded PIRA analysis in Part 2 of this report at 1:30 EDT.

Note: Estimated hurricane-related loss of ~2.5 BCF/D for week ended 11/14/08, ~2.5 BCF/D for week ended 11/21/08, and ~2 BCF/D for week ended 11/28/08.

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Energy Weather continued...

Interested in LNG/shipping as well as Europe and Japan weather for the winter? Check out MDA EarthSat's Global Weather Package.

This 8-page business daily report offers the latest analyses and forecasts of the global energy demand situation. A comprehensive set of European 1-5, 6-10, and 11-15 day forecast maps are provided along with individual city forecasts and written discussion that assesses the risks and concerns of the forecast period. Included on most business days is the European Editor's Notes. In addition, special e-mail updates are also included. Early delivery for the Europe energy markets is guaranteed. Beyond Europe, the Global daily report features key LNG specific areas targeted for Asia as well as the U.S. Atlantic Coast. As a quick reference, the Global Weather Highlights page features important weather impacts all on one page

An example of the daily European long range page is shown to the right.

Just a reminder that Riverside Technology, inc. and MDA EarthSat Weather have a joint hydro product. This product is an enhancement to the current Western Utilicast.

The product includes a weekly water supply forecast update. A product example is shown to the right. We recently added the weekly GFS model snow forecast maps to this product.

Do not forget about these products:

Rapid Models E-mails

Updates: 24/7 with issuance of model

Sunday Update

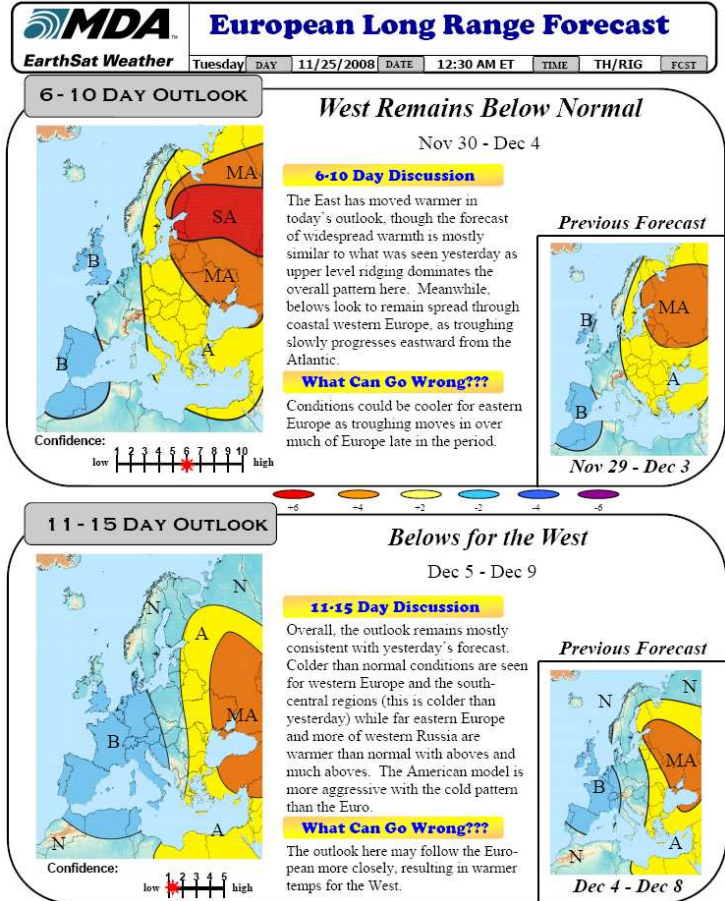
Updates: Sunday's at 3:00pm ET

ECMWF Weekly Climo Outlooks

Updates: Thursday's at 5:30pm ET

Cold Air Watch

Updates: Monday thru Friday at 8:30am ET



Water Supply Forecast Update - Pacific Northwest

Thursday, November 20, 2008

Forecaster: AM

Riverside Technology Forecast

The Dalles

Period	Volume [KAF]	% of Avg.	Change
JAN-JUL	102100	95%	0%

Grand Coulee

Period	Volume [KAF]	% of Avg.	Change
JAN-JUL	64400	102%	1%

Because the forecasts are for such a long time into the future, only the January-July volume/percent of average will be reported until we are further into the water year.

The Dalles

Period	Volume [KAF]	% of Avg.
JAN-JUL	103300	96%

Alternative Scenario

Currently the forecasts indicate ENSO-neutral conditions with a small chance of weak La Niña development. The alt forecast this week looks at water years (1961 and 1981) with ENSO-neutral conditions for Sep-Oct-Nov months which trend toward very weak La Niña development in early spring.

Grand Coulee

Period	Volume [KAF]	% of Avg.
JAN-JUL	66500	105%

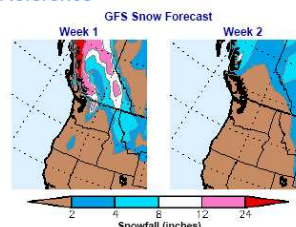
Riverside Discussion

The past week has seen an improvement in soil moisture conditions through southern Idaho and eastern Oregon. These conditions combined with a forecast for near normal temperatures and precipitation hold the seasonal runoff volume at The Dalles at below normal values. Meanwhile volumes above Grand Coulee show a slight increase due to additional snow forecasted for British Columbia and northern Idaho.

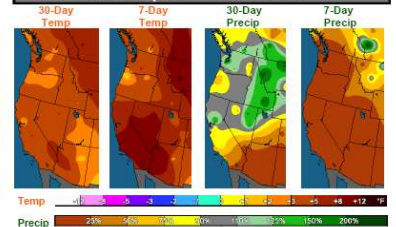
MDA EarthSat Discussion

Last week featured above normal temperatures and near normal precipitation across most of the Columbia basin, with Idaho seeing above normal precipitation. The next week will be more seasonable in terms of temperatures across the forecast region, with generally near normal precipitation. Today will start off dry, but a cold front poised to sweep through the northwest tonight will leave unsettled weather in its wake, lasting through Friday. The northern Cascades and inland British Columbia can expect snow, while lower elevation regions will see a mostly rain event. High pressure will quickly regain its hold over the northwest Saturday and keep the area dry through the middle of next week. The 5-15 day period is forecast as generally dry for the most part, but the models hint at a stronger system entering the northwest near the end of the period.

Reference

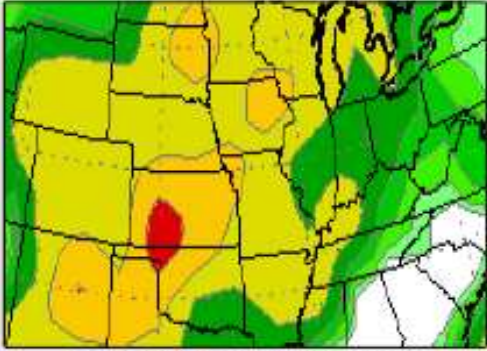


Observed Departure from 30Y Anomalies





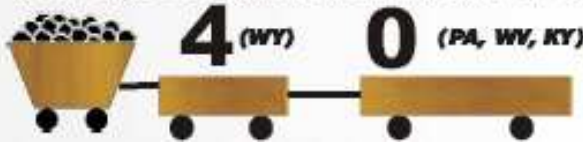
Energy Weather continued...



Week 2 Precip Outlook
Forecast confidence - **LOW**

WY- The GFS continues to show generally moderate rain across the region in both periods. For Week 1, a Pacific storm system is still expected to bring rain to the region early next week, with up to 0.5-1.0" possible. The next system brings more rain into the region early in the Week 2 period, with another 0.5-1.0" shown by the GFS.

of Days of significant rainfall (0.25"+)



MDA EarthSat Weather launched CoalCAST earlier this year. This multi-page product covers key mining regions around the world, including the U.S., South Africa, Australia, Indonesia, China, Russia and Colombia.

The product focuses on precipitation and how it impacts mining. Both precipitation forecasts and coverage are addressed. A special focus on precipitation extremes is included too. Finally, a number of significant rainfall days are noted.

CoalCAST updates Monday thru Friday mornings and available via .pdf format.

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

www.mdafederal.com/wx/

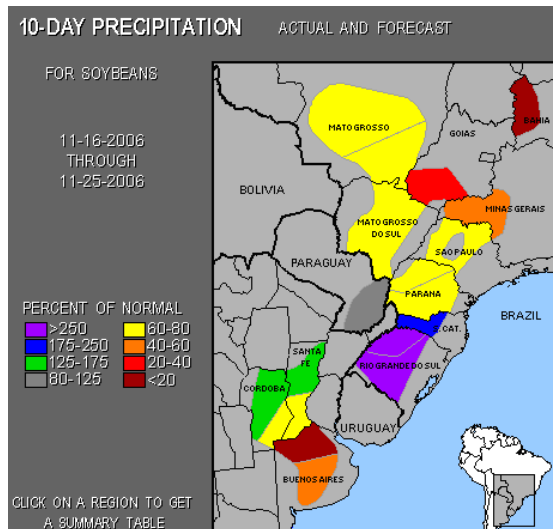
Agricultural Weather

It may be the quiet time of the year for the North American growing season but South America is just ramping up.

MDA EarthSat Weather's agricultural products monitor growing regions in South America associated with coffee, cocoa, beans and corn. The ag version of our Rapid Models E-mail Updates provide model-derived precipitation output in this region. Besides the GFS version, the ECMWF version is also available.

MDA EarthSat Weather also offers our SoyWarn Service, which monitors soybean threats throughout Argentina and Brazil. This product provides both forecast and recent analyses of growing conditions via user-friendly maps. SoyWarn also includes charts to follow growing conditions at the state level through the season.

An example of this product is shown to the right.



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

www.mdafederal.com/wx/



Conferences

The 7th Annual MDA EarthSat Conference for Weather Analysts was the best conference to date. We had record attendance with everyone feeling like a VIP at the beautiful Wynn Resort in Las Vegas. Pictures of the event have been posted on the conference website. Look for more info regarding our annual event in Las Vegas next year.

The fall version of the MDA EarthSat/PIRA Energy Conference took place in Houston earlier in November. A special thanks for the attendees who signed up as the event was a success!

The 7th Annual Agricultural Conference will once again be in Chicago and take place in early spring 2009. Look for more information on this event and future events on the conferences website and the next newsletter.

The next joint MDA EarthSat/PIRA Energy Conference will take place mid-spring 2009 in New York City. More details on the agenda and registration will show up in the next newsletter and also in the conferences website.

Would you like to attend a weather workshop to learn more about weather and the links to the commodities industry? Are you a trader that needs to enhance your daily routine? Are you a meteorologist who needs to brush up on the latest in weather?

This past spring's 2nd Annual Weather Course for Analysts and Traders was a success and we are trying to decide whether we should conduct another similar event in spring 2009. Please send me any interest and feedback you may have.

All updates of future events/conferences are located at the conferences website:

www.earthsat.com/conferences/

For more information about conferences or to register, please contact Chris Hyde at christopher.hyde@mdafederal.com or phone direct at 240.833.8322

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Historical Data

MDA EarthSat is in the process of launching the Data Inventory tool for clients to use. This web-based tool allows one to look up what historical (climate temp., climate precip., hourly METARS, feeds, etc.) data we have for sale. This handy tool will even assist you locating surrounding stations and map it for you.

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.

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 Christian Guillemot at christian.guillemot@mdafederal.com or phone direct at 240.833.8233

www.mdafederal.com/wx/



Happy Holidays

from all of us here at MDA EarthSat Weather!

