



OHIO, MICHIGAN AND INDIANA PATTERN TRENDS UPDATE

COLDEST PATTERN OF THE WINTER GETTING READY TO SETUP FOR THE MIDWEST AND GREAT LAKES REGIONS...

IT WILL PRODUCED AN LONG-RUNNING COLDER THAN NORMAL PATTERN WITH A COUPLE OF BITTER COLD ARCTIC INTRUSIONS...

MAJOR SPIKE IN HEATING DEMAND EXPECTED AS PATTERN MATURES...

Pattern Highlights / Discussion

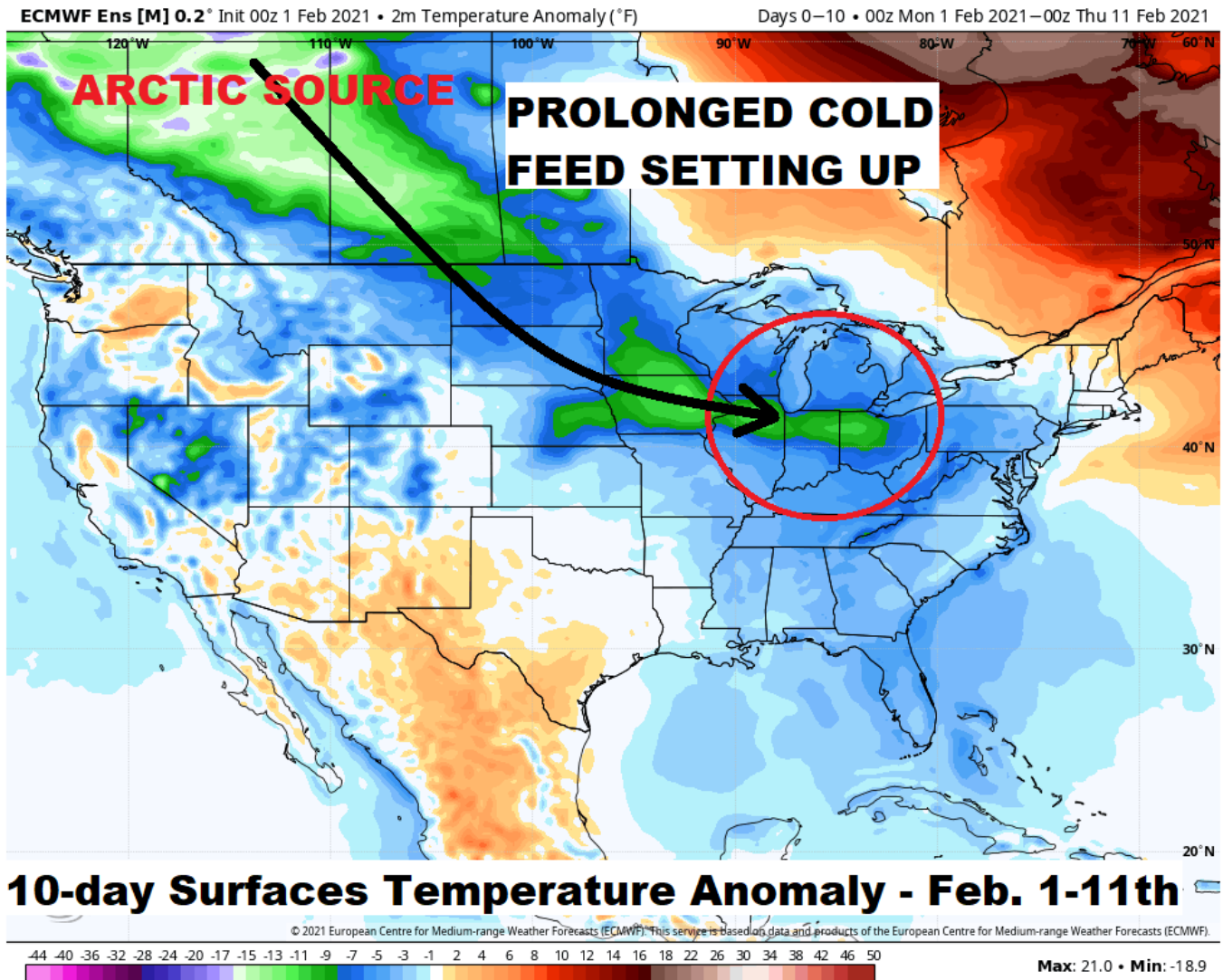
Just a brief pattern trend discussion today to get ahead of a major shift into a regime that has a chance to mature into a long-lasting colder to occasionally much colder than normal pattern.

While there were signs a week or so ago that the mid to late January pattern flip was not going to trend as cold, as once thought, the pattern looks to have been just lagging. This may well be a "delayed, not denied" pattern flip.

The short-term pattern through this week on into the early part of the weekend will trend a bit above normal, especially late in the week. But once the pattern shift starts to get its act together late on the weekend, we are going to see a decided shifted into a much colder pattern, as a bitterly cold air mass descends across the OH/MI/IN region.

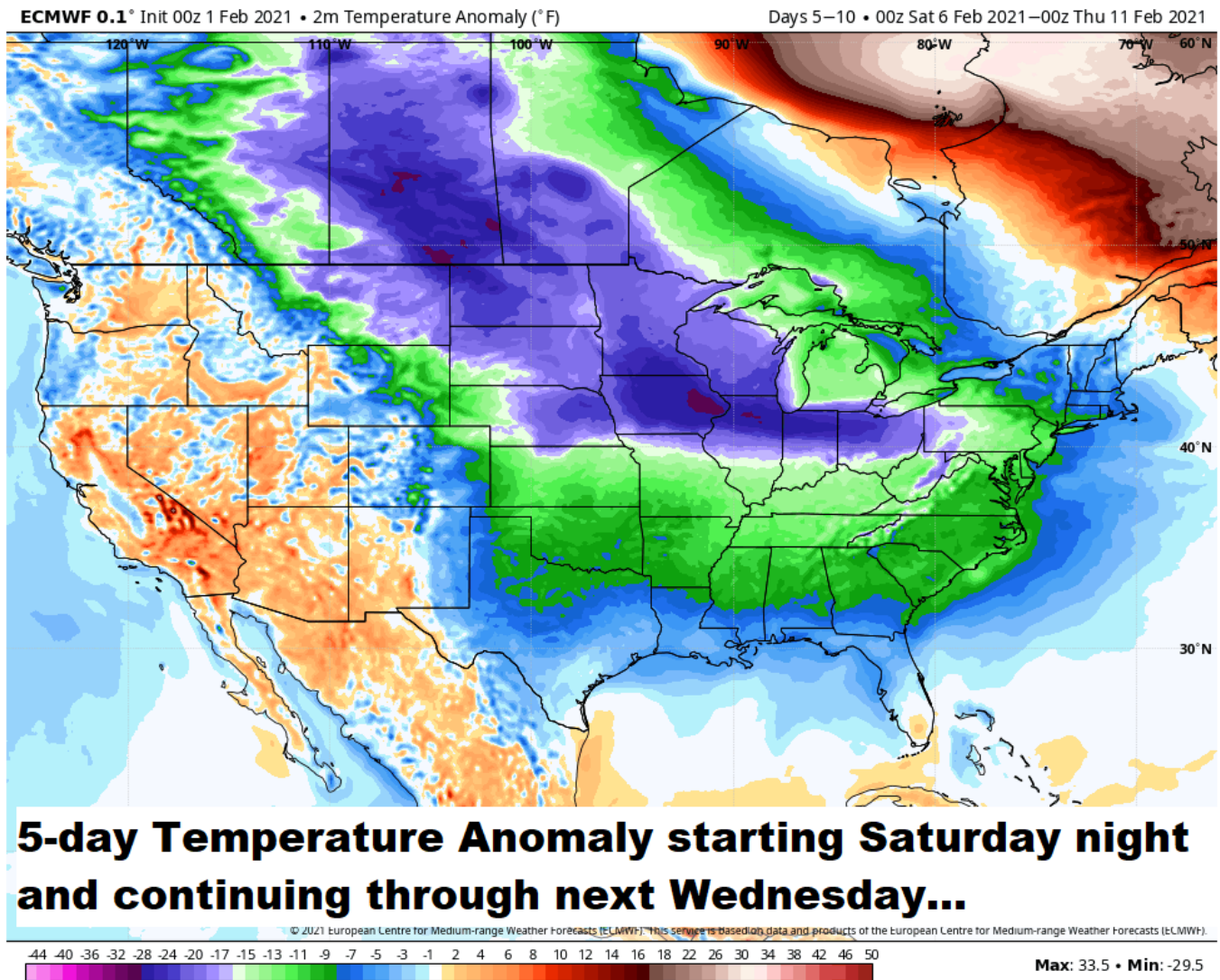
We are likely to see daily average temps feature 20-degree departures from normal, along with an extended period of subfreezing high temperature days.

Here is the 10-day surface temperature anomaly pattern forecast from today, February 1st through next Wednesday, February 10th.



- Note the large arctic air source across western Canada.
- Note the southeast extension of the cold anomalies from western Canada toward the Northern Plains and Great Lakes area. This is a clear indication that the pattern favors arctic air bleeding southeast out of Canada on into the Northern Plains and Great Lakes region.
- A variety of model data is indicating that this pattern orientation will not be a short-lived one and should have staying power for 2 or 3 weeks.
- The fact that we are looking at a 10-day anomaly average hides (masks) some of the cold potential this pattern holds.
- It is very likely that we are going to see at least a couple of bitter arctic intrusions.

To show how potent this cold regime will likely grow starting late this weekend and continuing next week, here is the 5-day temperature anomaly prediction from Saturday evening, February 6th on through Wednesday February 10th.



The core of the cold intrusion running from Iowa eastward into Ohio and Indiana is showing 5-day anomalies averages around -25 degrees below normal. WOW...

That is one solid cold pattern. Michigan is not as cold due to the modifying affects of Lake Michigan of to the west.

We are likely to see bitter cold conditions early next week with widespread sub-zero readings... I will continue to monitor and update this pattern evolution, but right now the message is clear!

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