ABOVE Regional Weather Briefing
Based on the GMAO GEOS meteorology and aerosol forecast fields
Model Initialized 00z 02 July 2017

Note: Saskatchewan (SK), Alberta (AB), Manitoba (MB), Northwest Territory (NWT), Yukon Territory (YKT), British Columbia (BC)

PAFA = Fairbanks Airport, Alasksa
PASC = Deadhorse Airport, Prudhoe Bay Alaska
PABR = Barrow

Day-1 Forecast
Valid 1500z 03 July through 2359z 03 July

Low pressure over the Yukon drifts eastward and becomes centered over the central NWT (including Yellowknife). Poor weather is expected for most of the NWT through the day on Monday. A trough of low pressure then extends across southern Alaska and the southern YKT with multi-layer clouds and precipitation through most of the day. A cold front will be located down the border between AB and SK with scattered showers and thunderstorms.

Very limited area of clear sky for any appreciable time is expected on Monday. Just west of Fairbanks through Galena looks like it could provide a mostly clear area with western portions of the Seward peninsula cloudy and rainy. Scattered to broken clouds may exist over the northern YKT (Old Crow). Clear skies will be seen again over the southern parts of BC and AB if any flights need to go that way. The North Slope, PABR, PASC, all look solidly socked in. For Monday, even early in the daylight hours isn't looking more favorable up north despite predictions of early sunshine over Yellowknife by Environment Canada. We do not see much of a break there Monday.

In addition, substantial smoke will be located between Rampart House...Fort Yukon...and Eagle Village, AK. Light smoke haze will be seen along the Arctic shore of Alaska. There are at least 5 separate wild fires burning in Northeast Alaska at this time.

Day-2 Forecast
Valid 1500z 04 July through 2359z 04 July
Elongated Low Pressure system continues to drift slowly east across the NWT with a center of circulation almost directly over Great Slave Lake. Clouds and precipitation stretch along this trough of low pressure covering most of the NWT.

Narrow channels of clearing are possible from the latitude of Fairbanks north to the North Slope, except right long the Arctic shore. Even though the western half of the Seward Peninsula is cloudy, the Galena area looks clear, low clouds and precipitation in and west of Fairbanks will be present. Any flights in AB or SK look to be mainly clear.

If there is any flying on Tuesday, be advised of some moderate smoke haze over interior east Alaska and a more dense haze over the Alaska / Canada border from near Old Crow stretching to just northwest of Whitehorse.

Day-3 Outlook
Valid 1500z 05 July through 2359z 05 July
Because low clouds and precipitation are in the forecast, the North Slope / Barrow region does not look good for flying at this time. The western edge of low clouds and precipitation will be in and around Yellowknife, but west of that edge, things should be fairly clear to Whitehorse and through to Fairbanks. Although a stretch of low clouds is present near and south of Fairbanks, there may be a cloud free area large enough to navigate over the Yukon Flats region. Friday again looks good for a flight towards Galena provided the forecasted area of low clouds is narrow enough. The low pressure center has moved through the NWT but an area of clouds and precipitation remains stretching from East of Whitehorse through YKT and NWT clustered around the 60N latitude line.

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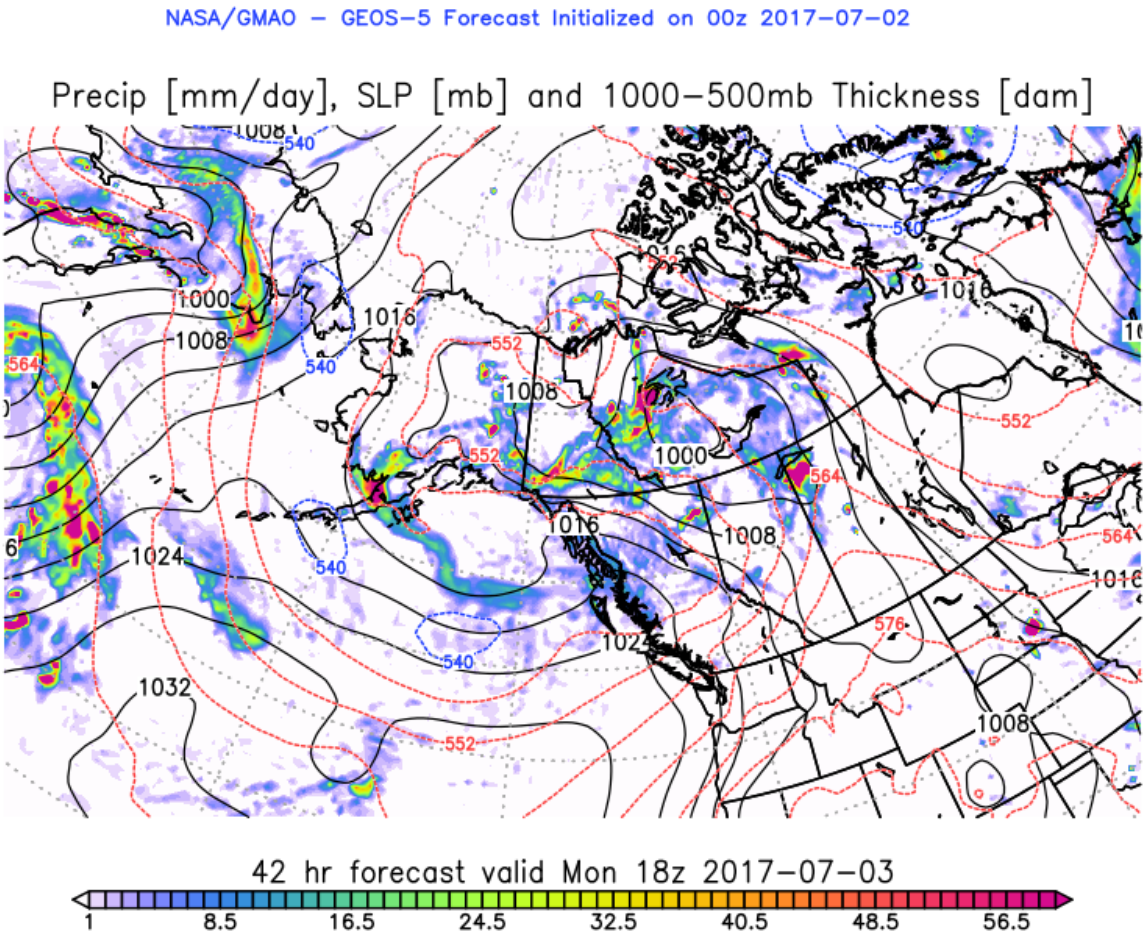

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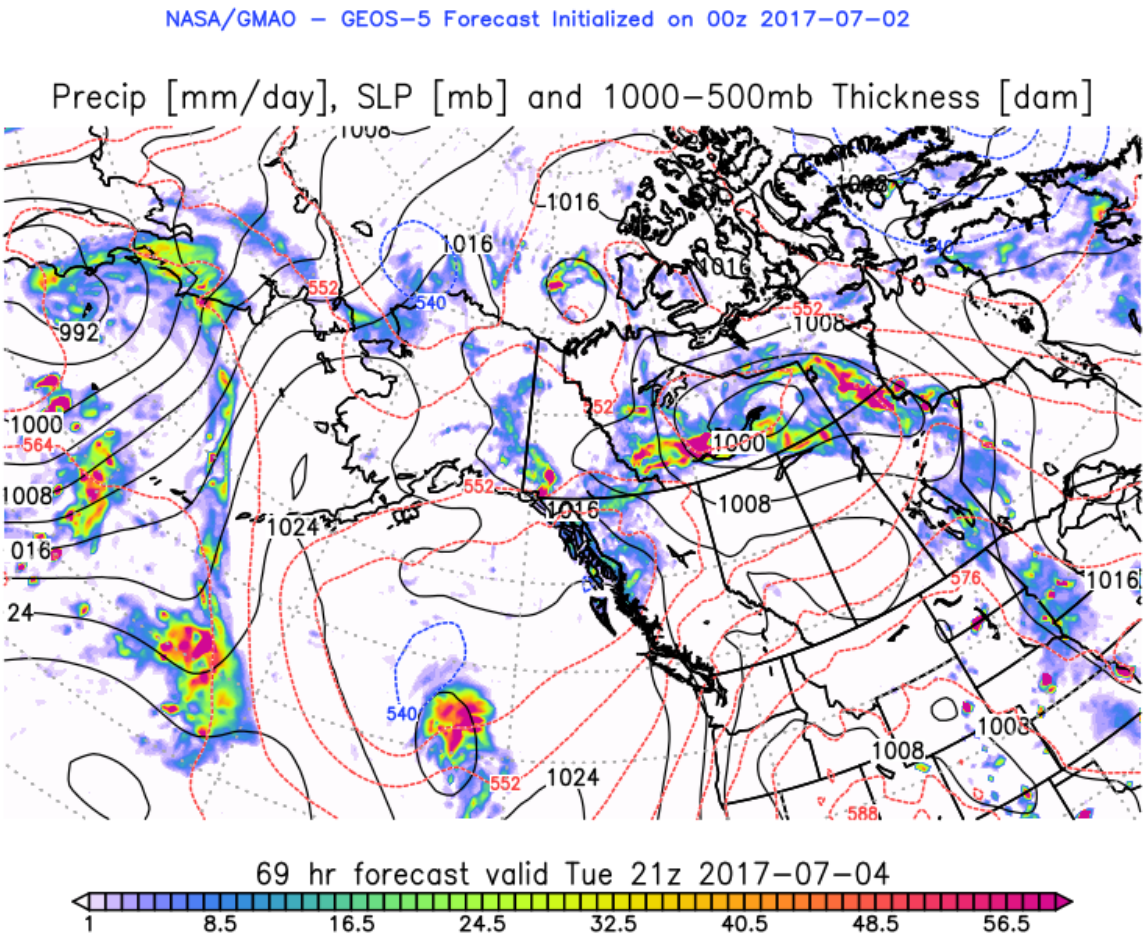

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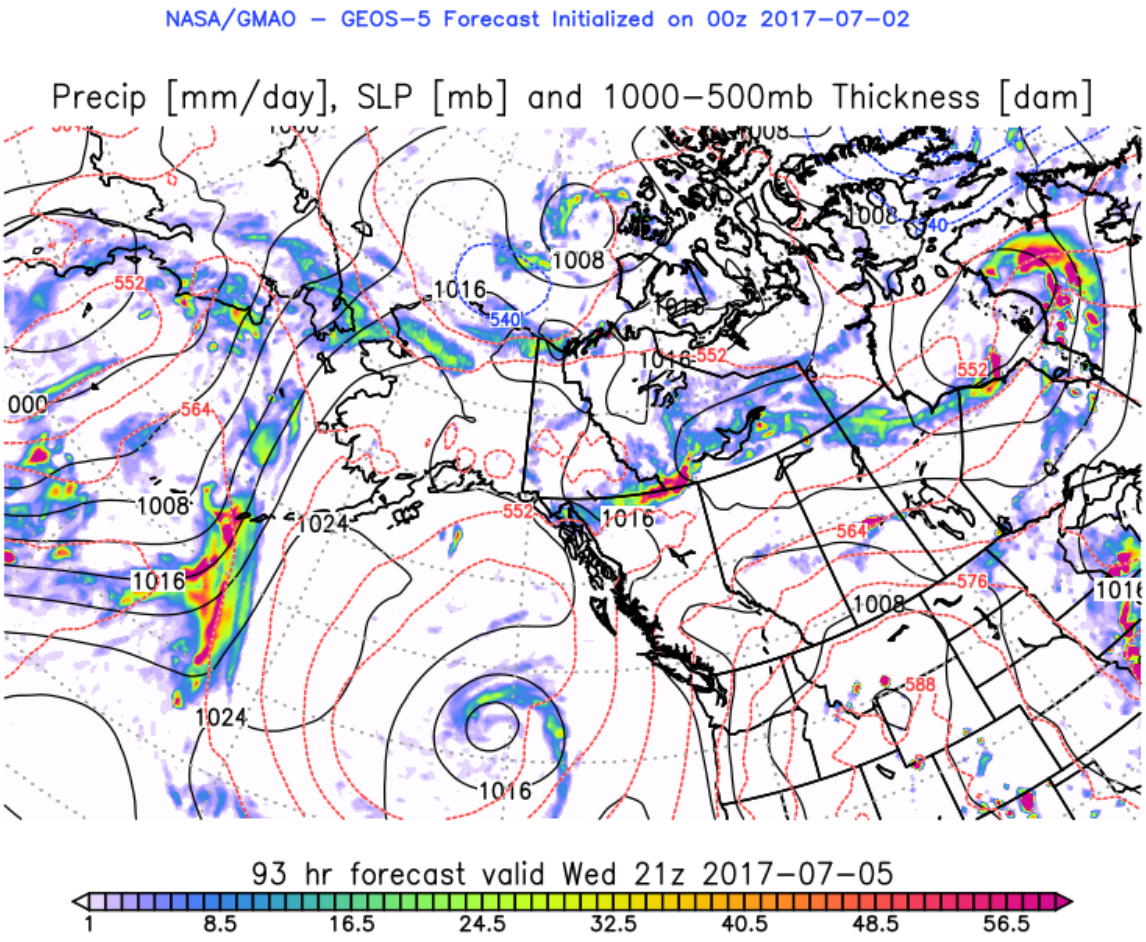

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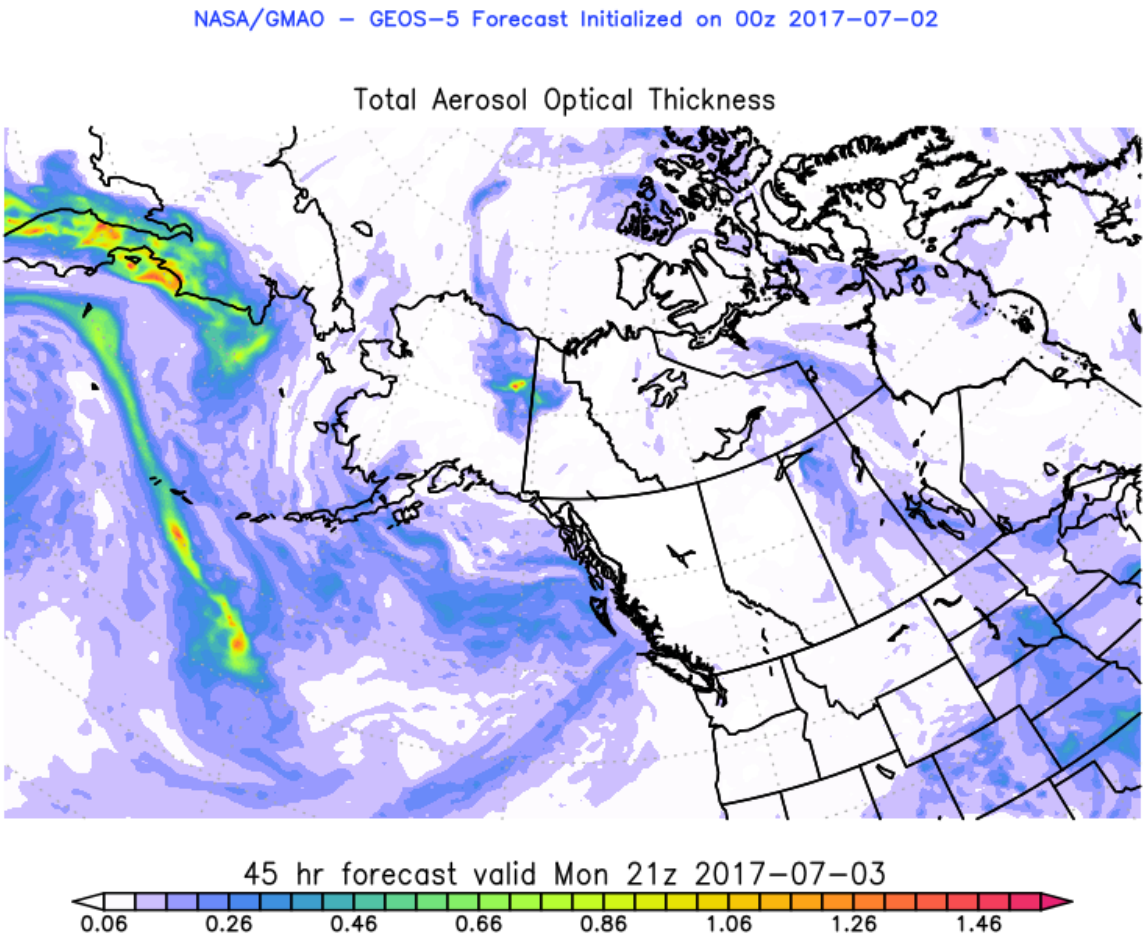

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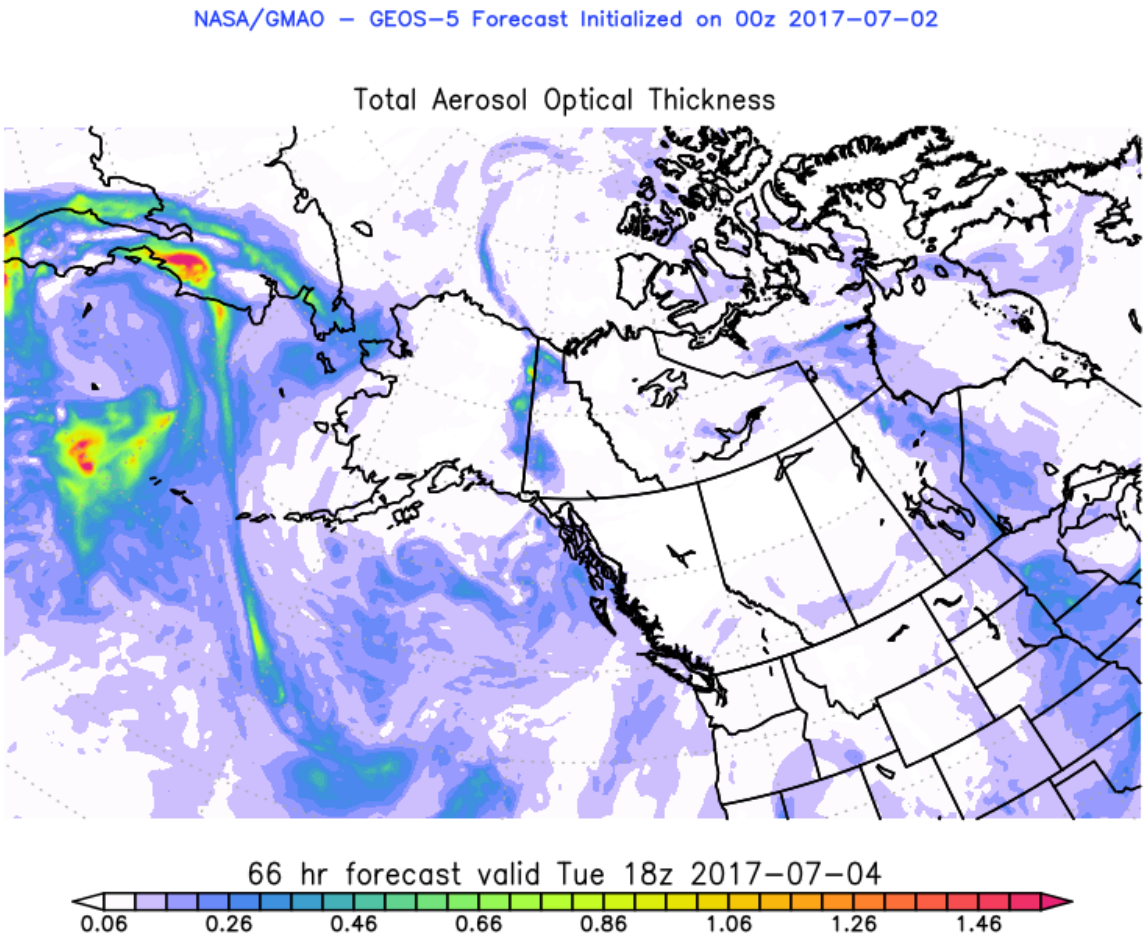

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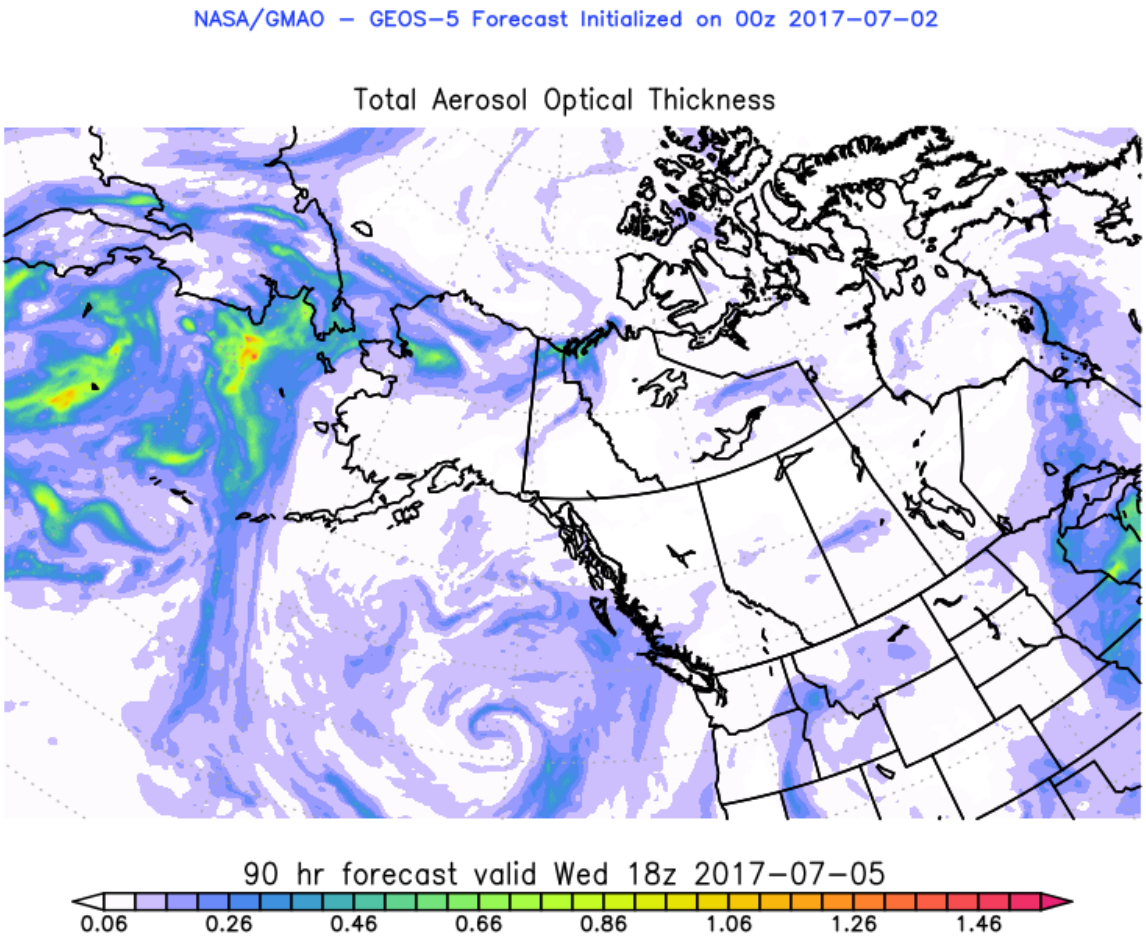

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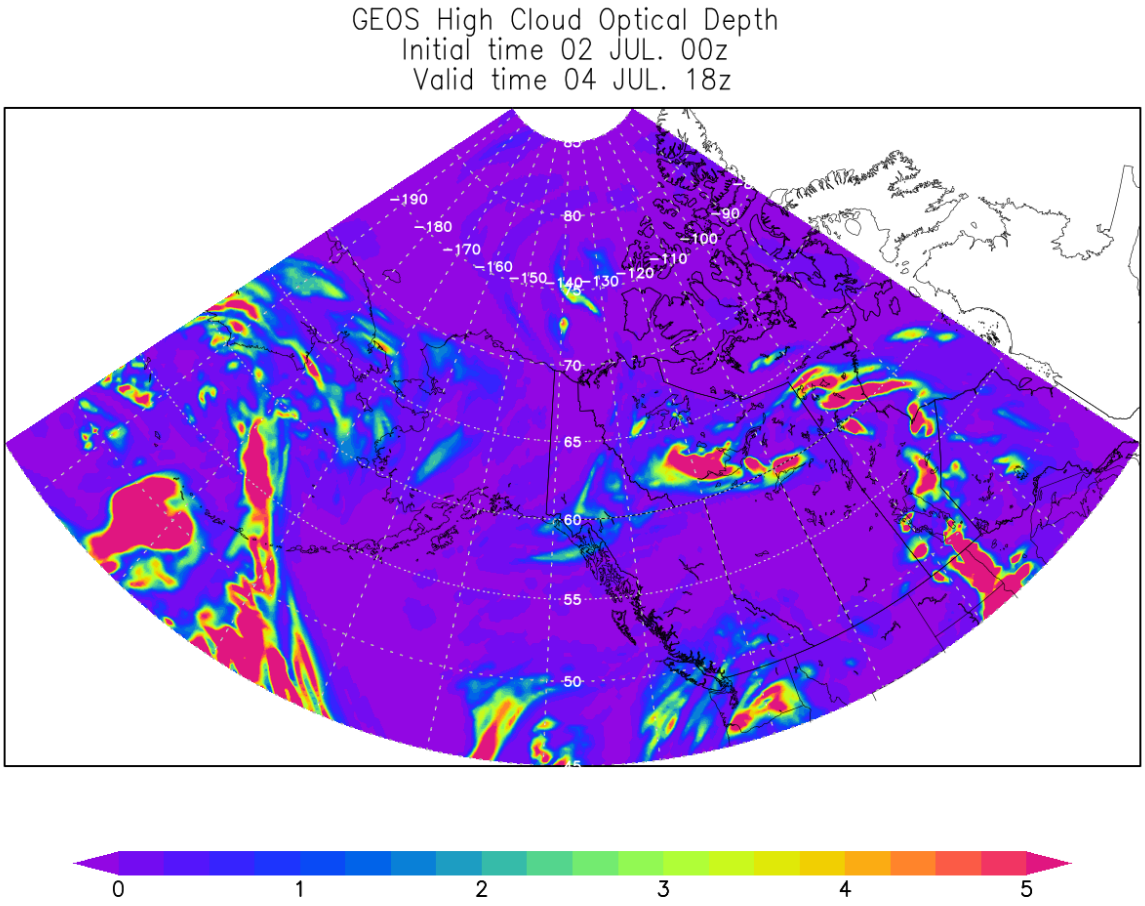

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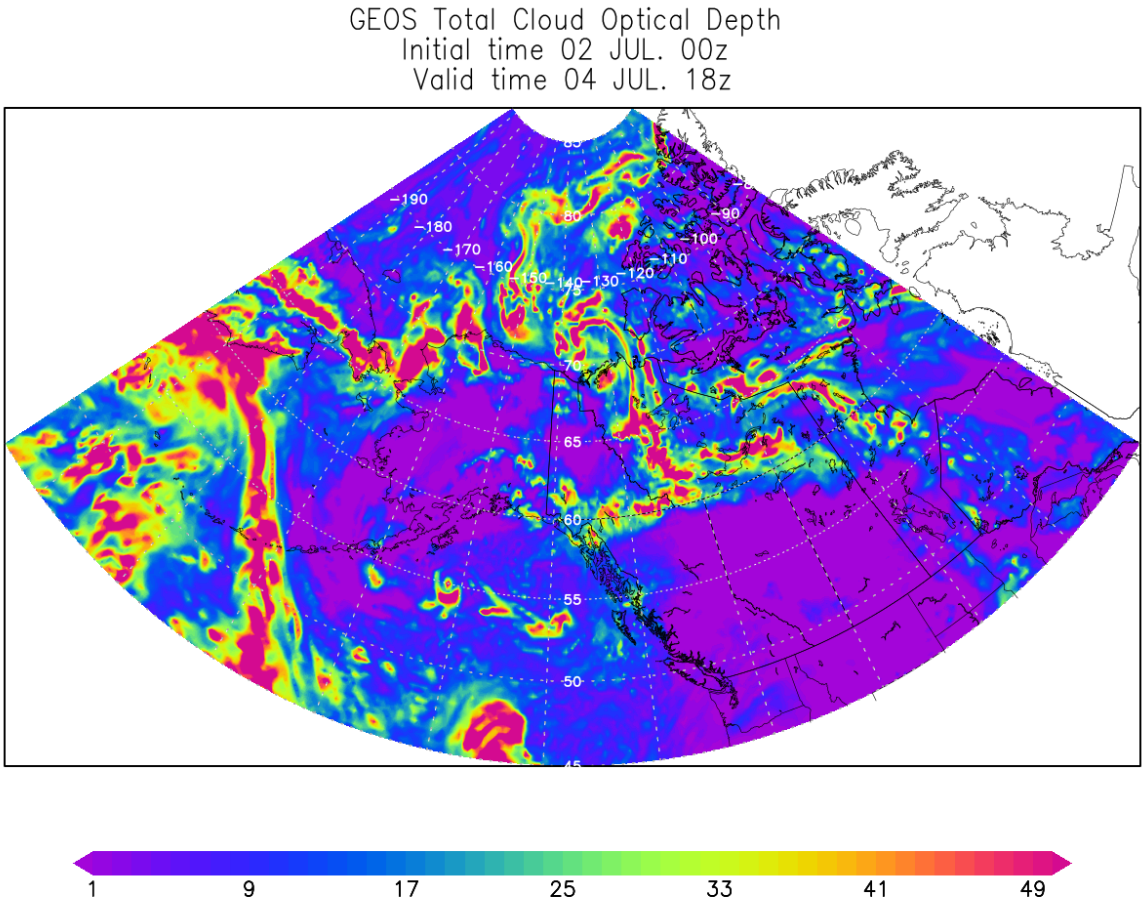

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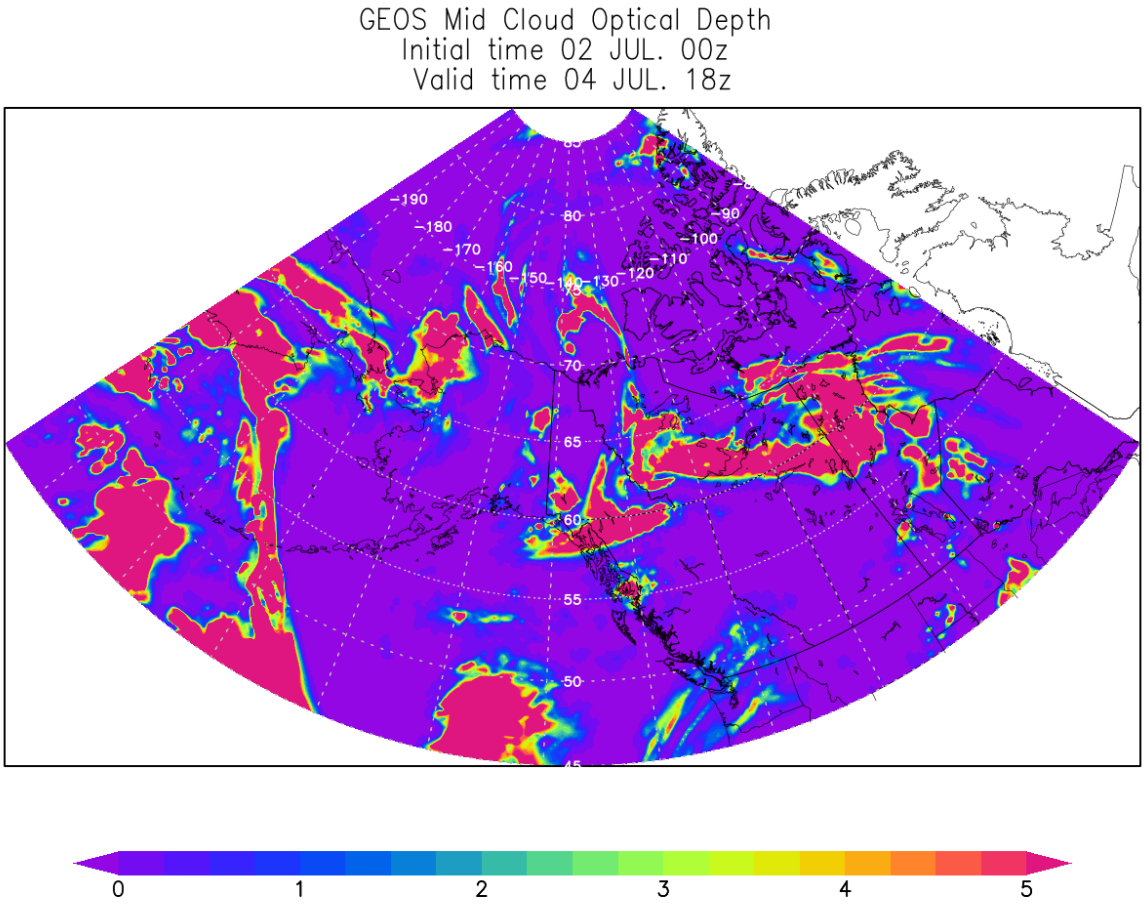

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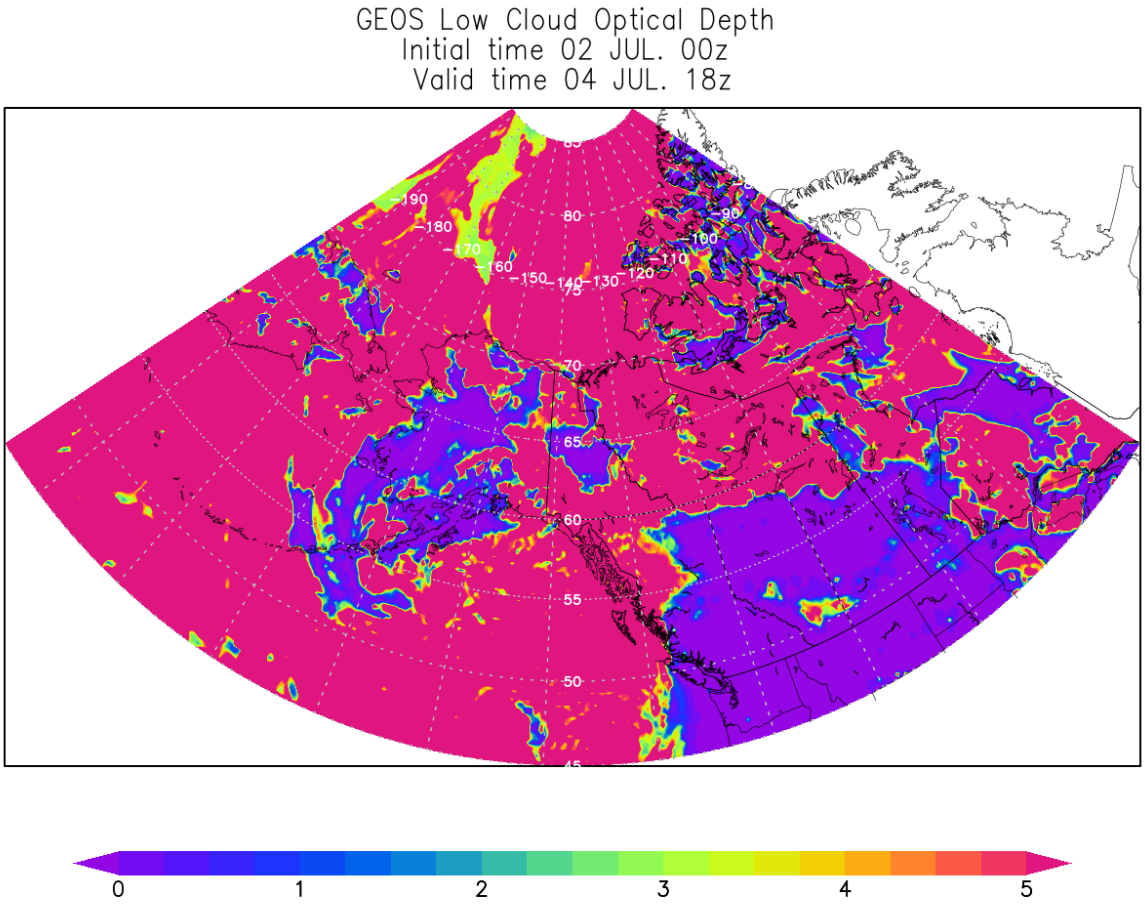

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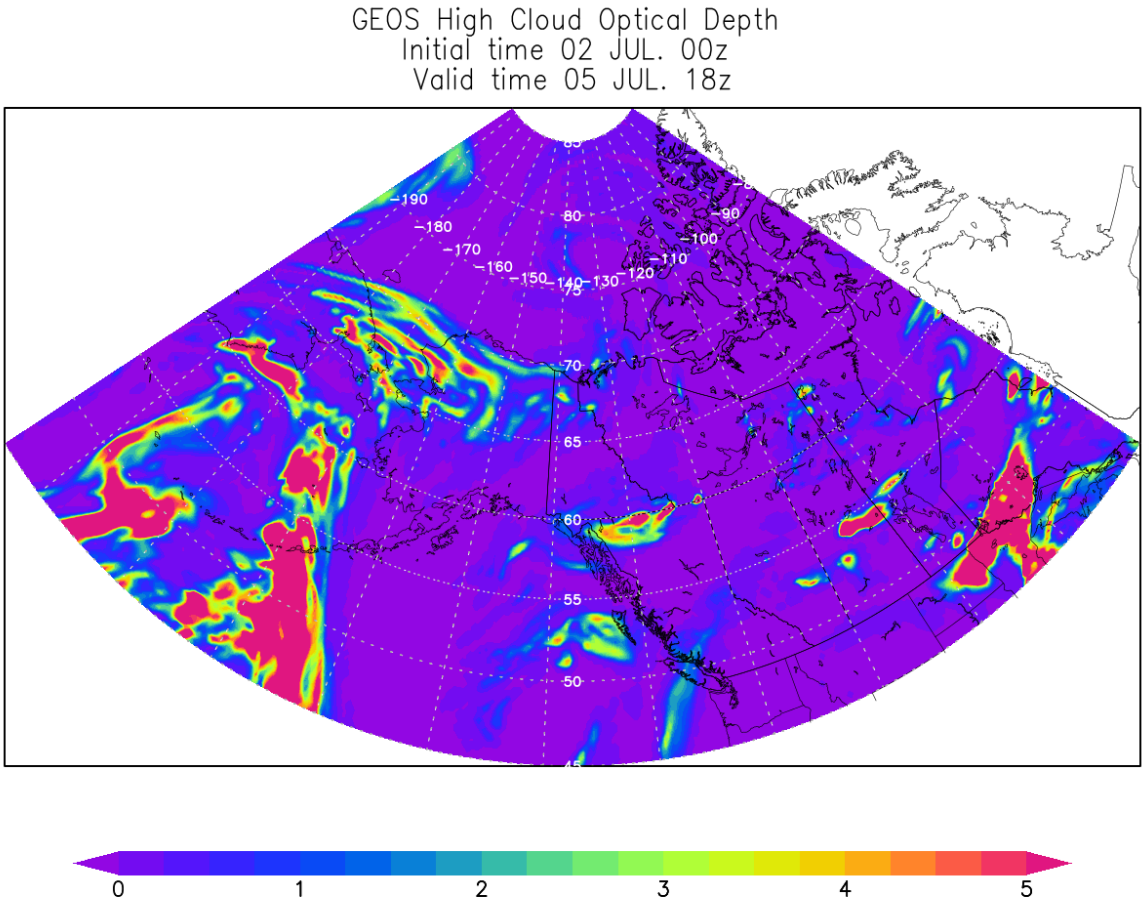

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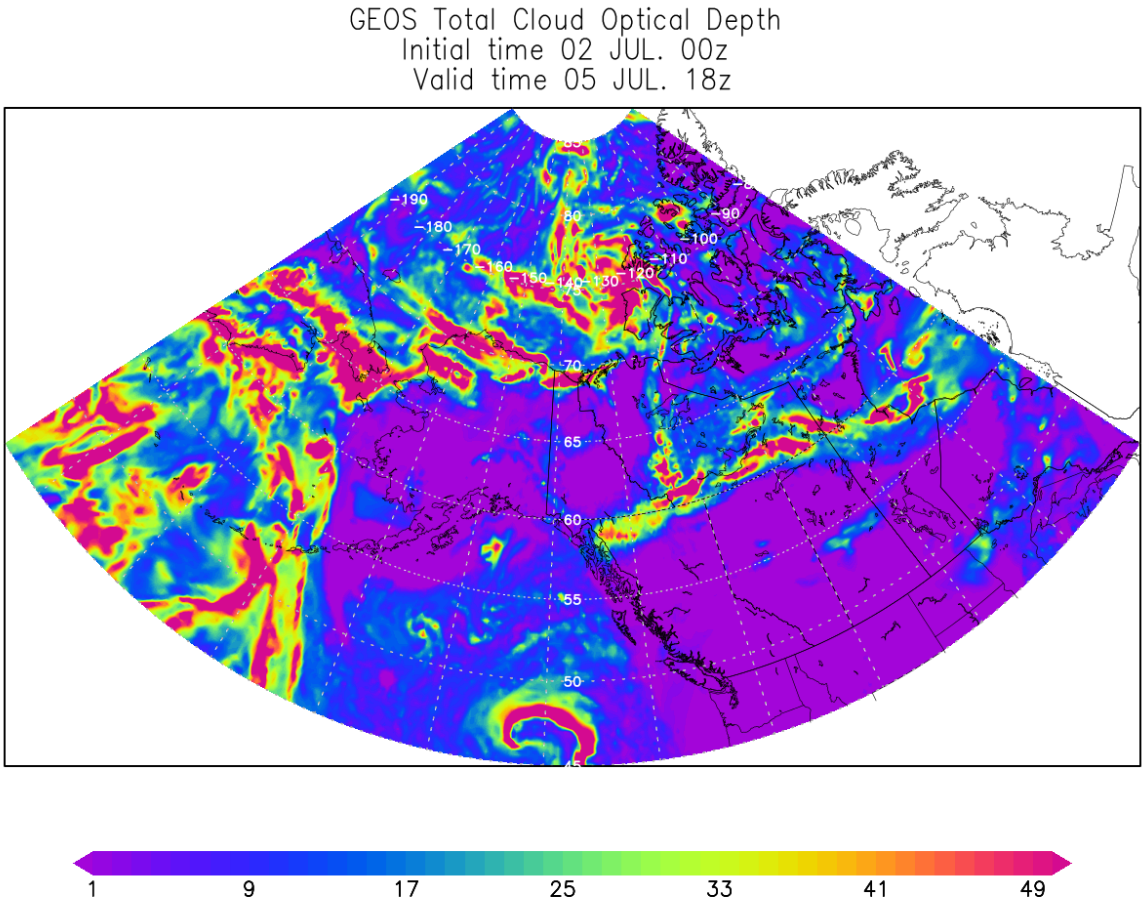

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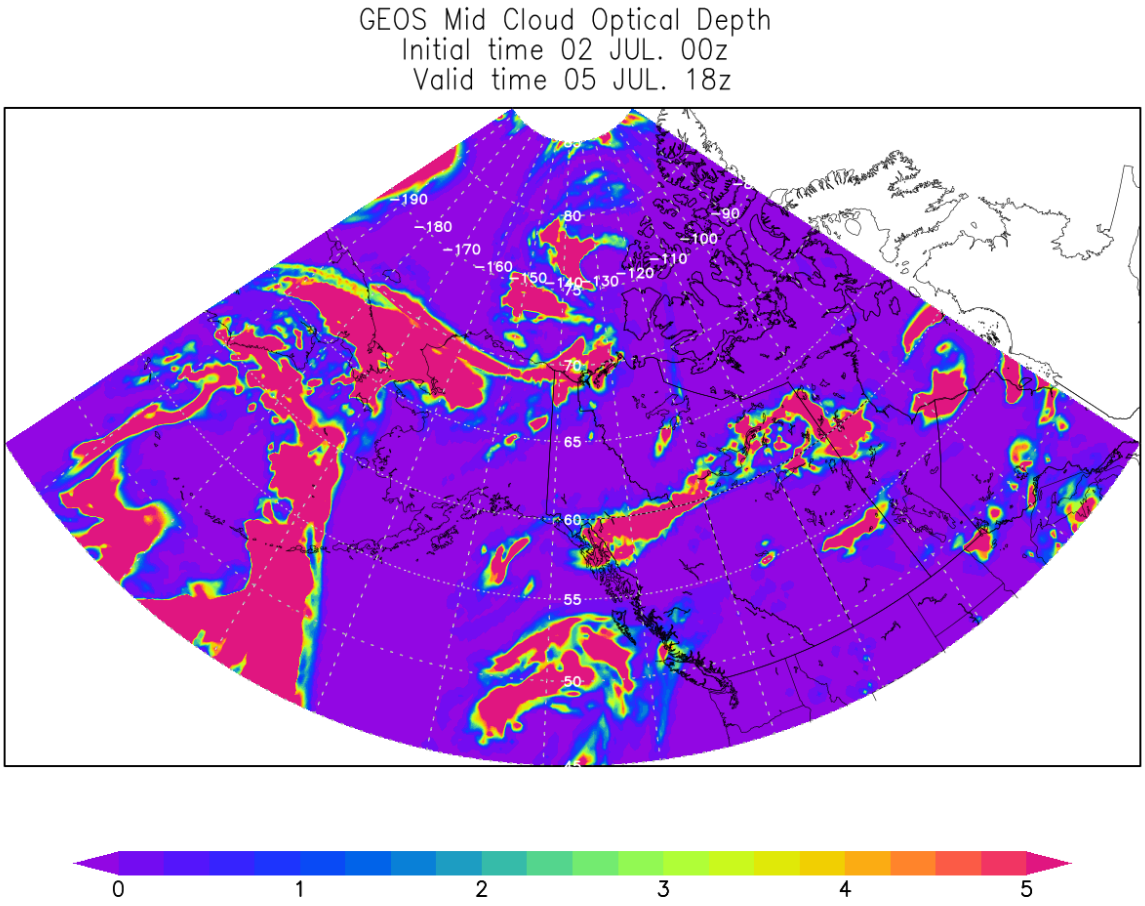

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