Validation of OISST+GDAS input file Version 0.5 (03312023)

One granule case study on Aqua, 2023 042 19:35 UTC

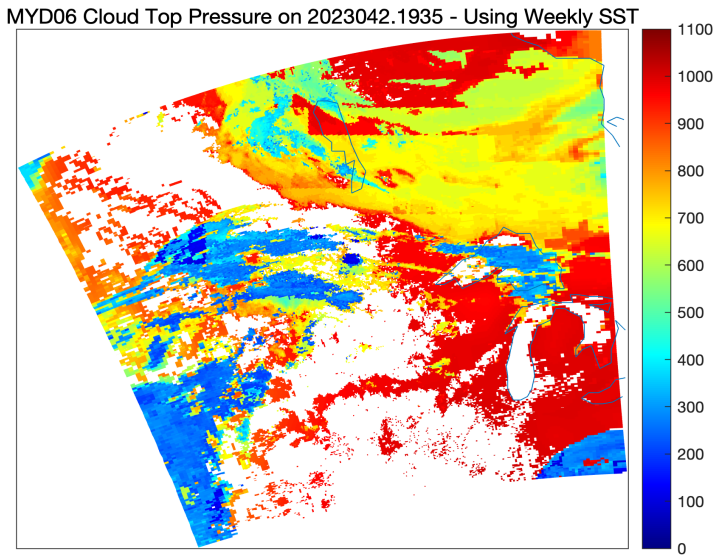
Three runs are compared using:

1. Old (V0.4) OISST daily mean + GDAS for SST only
2. New (V0.5) OISST daily mean + GDAS for SST and Ice Concentration
3. Weekly Reynold SST

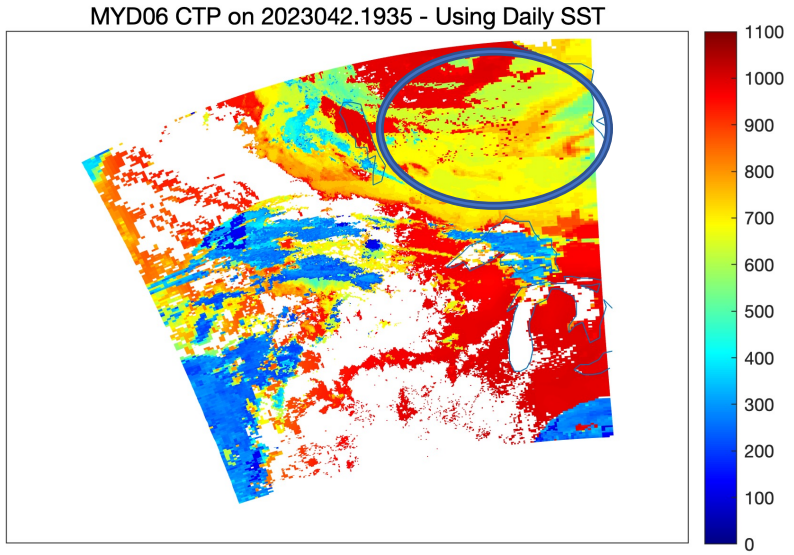
Eva Borbas, Paolo Veglio, Becky Cintineo – UW-Madison/SSEC

MYD06 CTP: Aqua 2023 042 at 1935 UTC

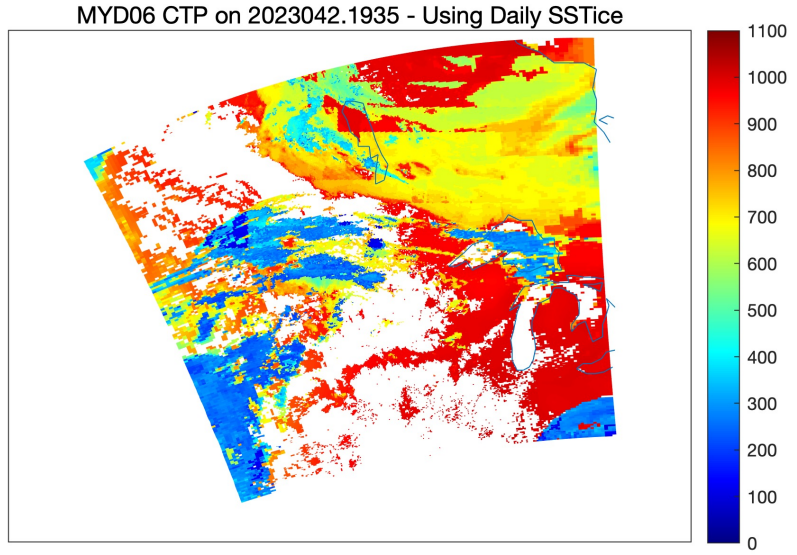
Using Weekly mean Reynolds SST



Using OISST+GDAS daily mean SST without ice concentration over inland water



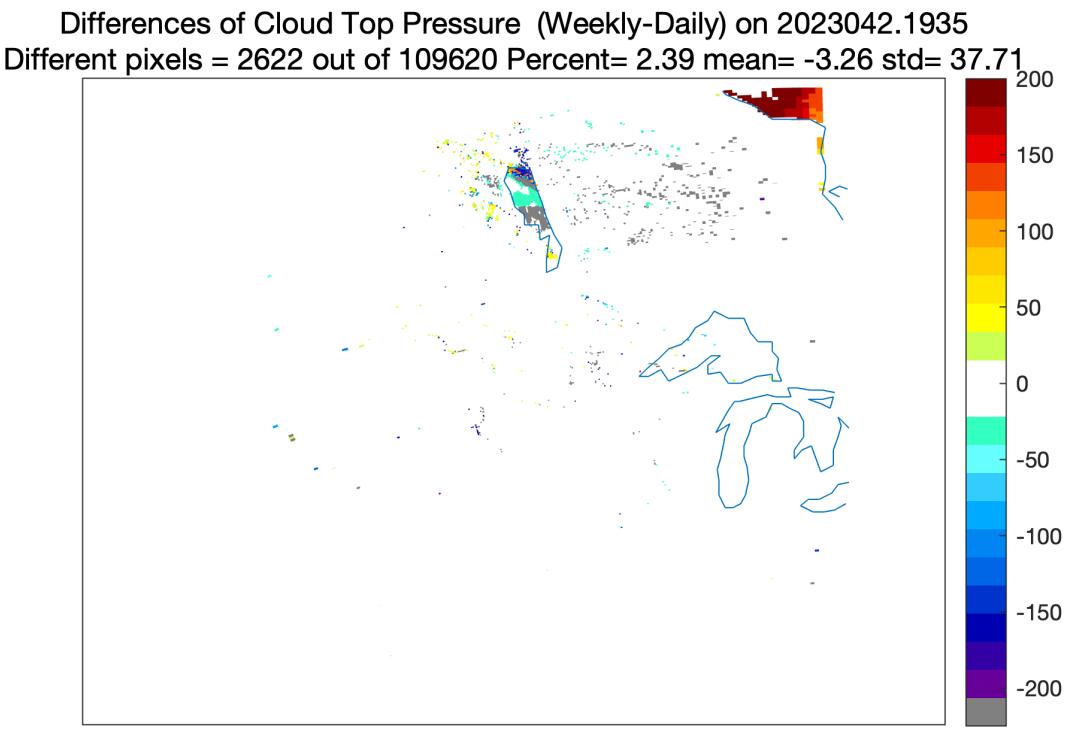
Using OISST+GDAS daily mean SST with Ice concentration fixed



MYD06 CTP diff: Aqua 2023 042 at 1935 UTC

Differences
Weekly – Daily mean SST

Using old OISST+GDAS daily mean SST file/
With missing ice concentration over lakes



Using new OISST+GDAS daily mean SST file/
Adding GDAS ice concentration over lakes