Bryant
Loomis
NASA GSFC
Kenny Rachlin, KBRwyle
Ben Griffin, SSAI
Oral
We present the status of the low degree gravity coefficients C20 and C30 derived from satellite laser ranging and distributed as Technical Note 14. This includes comparisons to solutions from other centers, our group’s new long-term C20 solution that is independent of the background gravity model, and new length-of-day analysis. We summarize the unique aspects of the different SLR products generated by our group, and we quantify the impacts of our extrapolated background model vs. the GRACE-FO Level 2 values used in our reprocessed estimates. We also present an update of our ongoing efforts to use the SLR-derived global terrestrial water storage anomaly as an independent assessment of the GRACE-FO Level-2 products.
Meeting homepage
GRACE-FO 2025 Science Team Meeting
Download to PDF