GOES-18/19 Beta Certification Form

Satellite: ☐ GOES-18 ☑ GOES-19 Date: 01/13/2025

Algorithm:

☐ ABI L1b/CMI	☑ GLM	☐ MAG
☐ SUVI	☐ EXIS XRS	☐ EXIS EUVS
☐ SEISS SGPS	☐ SEISS EHIS	☐ SEISS MPS-HI
☐ SEISS MPS-LO	☐ Other:	

Comments:

The Geostationary Lightning Mapper (GLM) flying aboard GOES-19 has reached Beta validation. Beta is defined as "The product has been minimally validated and may still contain significant errors and is not optimized for operational use."

As with all previous GLM flight models, validation is made difficult by the lack of a reliable "truth" data source entire field of view. However, the science team has determined how to use the best available ground truth datasets over the Continental U.S. and to extrapolate those results to the GLM fill disk.

GLM Outgas completed on 8/10/2024, followed by a series of tests and Post Launch Product Tests (PLPTs) during the fall of 2024. The final calibration lookup table was installed in early January, and early indications from the GLM Calibration Working Group indicate that the L1b and L2 products compare favorably with GOES-16 and GOES-18 GLM. A more thorough validation will be completed prior to the declaration of Provisional Validation.

☑ Approved

Program Scientist	Signature	Date
Dan Lindsey	LINDSEY.DANIEL.THOMAS.1365850255 Digitally signed by LINDSEY.DANIEL.THOMAS.1365850255 Date: 2025.01.17 18:45:46 -05'00'	

☐ Not Approved *If not approved, a list of actions necessary to attain approval must be included in the 'Comments' box above.*

Program Scientist	Signature	Date