Notice – November 4, 2026

Loss of detector sensitivity:

Recent GOLD observations - since the most recent grating yaw mechanism (GYM) shift on June 5, 2026 - using Channel A show a systematic decrease in detector sensitivity relative to observations obtained earlier in the mission. This degradation introduced a sudden decrease in GOLD Level 2 (L2) QEUV data relative to FISM-QEUV. Prior to June 5, 2026 the two indices exhibited good quantitative agreement over time. The reduced sensitivity is also evident in the relative decrease in the brightness of stars observed recently by GOLD during occultation measurements.

This sensitivity degradation directly affects the radiance measurements for all Level 1C (L1C) data products. The L2 QEUV data product is affected more than other L2 products because it depends on the absolute oxygen 135.6 nm radiance measurement. For other L2 data products the increased error is expected to be $\lesssim$10%.

The GOLD team is currently developing algorithm updates to correct the existing errors. The L2 QEUV data from July 6, 2026 onwards is being held from release until the correction is implemented.