



---

# Standard Operation Procedure for Calibration Event Log

Xiangqian Wu, 2019-03-15

## Introduction

[Calibration Event Log](#) (CEL) is an online record of major calibration events, maintained by the GOES-R Calibration Working Group (CWG) throughout the mission life of an instrument. It is intended for ABI L1b users, producers, managers, vendors, international partners, and other members of the public interested in ABI calibration. CWG has the discretion of what is “major”. “Calibration events” are those that may affect the L1b data quality such as:

- Satellite and instrument maneuvers, for example drift, yaw flip, mode change, Kalman filter reset, etc.
- Algorithm and parameter changes, for example CDRL and BDS updates.
- Major anomaly, for example striping, SCC door not closed, cryo-cooler anomaly, and other potential or confirmed errors of L1b products.

## Procedure

1. Radiometric and geometric calibration leads (F. Yu and V. Kondratovich, respectively) are responsible for assigning an event to a Subject Matter Expert (SME).
2. The SME drafts an entry for CEL.
3. Radiometric or geometric calibration leads reviews the draft and submits to CWG Lead (X. Wu) and Deputy Lead (F. Yu).
4. CWG Lead or Deputy Lead acts upon the submission.
5. If approved in writing, SME enters the event into CEL\*.

## Roles and Responsibility – CEL SME

The SME remains the authority for the event. CWG Lead may assign another member as the SME for the event. The SME is responsible for updating the event if needed.

## Roles and Responsibility – CEL Manager

CEL Manager (H. Qian) is responsible for:

1. Assist with the CEL procedure.
2. Summarize new events to CWG by COB Thursday, for CWG briefing to AWG on Friday.
3. Maintain and revise the CEL management plan.



\*: Ask CEL Manager for help if needed.

*Address GSICIS feedback in the next version.*

**END**