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| CWG ABI 2020-08-14 |

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| To: | The Record |
| From: | Fangfang Yu |
| CC: | Xiangqian Wu |
| Date: | 2020-08-14 |
| Re: | **Closure Recommendation for ADR817** |
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**Background**

ADR817, titled as “fill-in spacelook statistics in INST-CAL”, reported that the GOES-17 spacelook statistics (min/max/mean) were filled with -999 for one hour between 4:00z and 5:00z on 09/20/2018. The same anomaly of -999 value filling the spacelook/ICT field were reported in ADR911. Therefore, the issue in ADR817 should be a subset of ADR911.

In the investigation of ADR911, Harris found that the root cause of the fill values was because of the mismatch of format definitions (double vs. float) used in the ground system, leading to extra processing time and sometimes failures to insert the outputs to the data stream. Harris also believed the mismatch data format was also the cause to ADR800 for empty fields for the gain/gain\_times variables. The detailed information on ADR800/ADR911 review is available in the report discussed in the CWG meeting on 03/25/2020.

After the GS correction, the fill-in values is no longer observed in the INST-CAL files. ADR911 is closed.

**Recommendation**

Suggest to close the ADR817 in the next AART meeting on 08/17/2020.