

SNPP CrIS (side-1) SDR Algorithm Maturity Review

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The review team acknowledges that the CrIS SDR science team has done an excellent job in preparing for this review and calibrating/validating the SNPP/CrIS Side-1 LWIR and SWIR SDR products after the side switch activities performed by OSPO System Engineering and Operations and L3Harris from July 12-14, 2021.

The validation results demonstrated that the performance of the CrIS side-1 LWIR and SWIR SDR products produced after the side switch meet the spectral, radiometric, and geolocation specs, and showed good consistency with those from SNPP CrIS LWIR and SWIR SDR from side-2.

The review panel notes that the SNPP CrIS side-1 SWIR and LWIR SDRs are nominal and meet requirements. SNPP CrIS is ready to continue in operation on the side-1 to produce and distribute the LWIR and SWIR CrIS SDR products, while the MWIR is not going to be available.

The review panel further recommends that the CrIS SDR team continue routinely monitoring the performance, and work with the users on any impacts and feedback. There is no further validation review needed.