

INSAT-3DS Operational Data Products Types and Processing Levels

MOPD/PMPG/SIPA/T01/SEP-2024

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Document Change History

*A: Addition; M: Modification; D: Deletion

Version No	Date.	Section No	A/M/D *	Description of change
V0	Sept 19, 2024		A	Initial Version
V1	Feb 26, 2025		M	Included LSA Geophysical product

INSAT-3DS Operational Data Products Types and Processing Levels

1.0 Introduction

This document gives list of operational data products from INSAT-3DS.

1.1 Version Information History

Table 1.1 : IMAGER Version Change Information			
Version Number	Date	Brief description about Version	Remark
V01R00	29AUG2024	1) Improved Geometric Accuracy 2) Angle based Servo Error Correction (as compared to absolute location based correction in earlier version) 3) New Version of Scheduler with ISRO Branding and Server Side queuing. 4) RT Coefficients updated in Wind Product Generation Software 5) Fine-tuning of Geo-physical parameters software 6) Generation of Daily Binned Products 7) Improved Turn Around Time for Cloud Micro-physics and Short wave radiation over ocean	

Table 1.2 : SOUNDER Version Change Information			
Version Number	Date	Brief description about Version	Remark
V01R00	29AUG2024	1) Improved Geometric Accuracy 2) Use of Attitude from Imager Chain for processing of Sounder data 3) Updated RT coefficients in Sounder Profile Generation Software 4) Fine-tuning of Geo-physical parameters software	

1.2 Product Change Management: INSAT-3DS Imager

Table 1.2 : Changes in INSAT-3DS Products as Compared to INSAT-3DR and INSAT-3D		
S.No	Product	Remarks
Standard Products (L1B)		
1	3SIMG_L1B_STD	In INSAT-3D and 3DR the Water Vapour (WV) channel was being provided at 8 km Spatial Resolution. INSAT-3DS contains Water Vapour Channel at 4 km resolution
Geo-Physical Parameter (L2P)		
2	3SIMG_L2P_AMV	<p>Earlier L2P Geophysical Parameters for winds (IR, WV, MIR, VIS) were being provided as separate HDF products with following code</p> <p>3RIMG_L2P_IRW 3RIMG_L2P_MRW 3RIMG_L2P_VSW 3RIMG_L2P_WVW</p> <p>Now all products are merged in a single HDF file 3SIMG_L2P_AMV</p> <p>Where during Day VIS winds will be provided and during Night MIR winds will be provided. IR and WV winds will be provided for all acquisitions.</p>
Binned Geo-Physical Parameters (Temporally Binned) L3B		
1	3SIMG_L3B_SST	The Daily SST from Variational (VAR) and Regression (REG) methods were being provided in two HDF files. Now these two parameters are merged in a single HDF file
2	3SIMG_L3B_LST	The Daily binned MIN Temperature and MAX temperature were being provided in two HDF files. Now these two parameters are merged in a single HDF file
3	3SIMG_L3B_BRT	Earlier all Channel Brightness temperature were being provided as separate HDF files. Now TIR1, TIR2, MIR and WV brightness temperature are being provided in a single file
Binned Geo-Physical Parameters (Temporally Binned) L3C		
1	3SIMG_L3C_INS	Earlier INS (Insolation), DHI (Direct Horizontal Irradiance), DNI (Diffused Normal Irradiance), GHI (Global Horizontal Irradiance) were being provided as separate HDF files. Now all four parameters are being provided in a single HDF file

1.3 Product Change Management: INSAT-3DS Sounder

No Changes in INSAT-3DS Sounder Products as Compared to INSAT-3DR and INSAT-3D

2.0 Products from IMAGER

Total Products: 35 + 5 Special Products (Marked as *)

Table 2.1 : INSAT-3DS Imager Products List						
S. No	Data Product	Processing Level	Code	Format	Images	Remarks
Standard Products (L1B) : Full Globe						
1	Standard Product Full Disk	L1B	3SIMG_L1B_STD	HDF	11	Per Pixel Lat & Lon Projected on Fixed Grid
Standard Products (L1C) : Sector Products						
1	Standard Sector Product	L1C	3SIMG_L1C_SGP	HDF	11	Sector Map Projected (Sector for Geophysical Parameters)
2	Standard Sector Product	L1C	3SIMG_L1C_ASIA_MER	HDF	11	Sector Map Projected (ASIA_MERCATOR)
Geo-Physical Parameters (L2B) : Derived from L1B Products						
1	Outgoing long wave radiation	L2B	3SIMG_L2B_OLR	HDF	1	Per Pixel
2	Rainfall using Hydro Estimator	L2B	3SIMG_L2B_HEM	HDF	1	Per Pixel
3	Upper Troposphere Humidity	L2B	3SIMG_L2B_UTH	HDF	1	Per Pixel
4	Cloud Mask	L2B	3SIMG_L2B_CMK	HDF	1	Per Pixel
5	Sea Surface Temperature	L2B	3SIMG_L2B_SST	HDF	1	Per Pixel
6	Land Surface Temperature	L2B	3SIMG_L2B_LST	HDF	1	Per Pixel
7	Cloud Top Properties	L2B	3SIMG_L2B_CTP	HDF	11	9x9 Box
8	INSAT Multi-Spectral Rainfall Algorithm (IMSRA) Corrected	L2B	3SIMG_L2B_IMC	HDF	1	Per Pixel
9	Total Precipitable Water Vapour	L2B	3SIMG_L2B_TPW	HDF	1	Per Pixel

Geo-Physical Parameters (L2C) : Derived from L1C Products						
1	Fog	L2C	3SIMG_L2C_FOG	HDF	1	Sector Map Projected (over India)
2	Snow	L2C	3SIMG_L2C_SNW	HDF	1	Sector Map Projected
3	Insolation	L2C	3SIMG_L2C_INS	HDF	4	Sector Map Projected containing INS, DHI, DNI, GHI
4	Day Time Cloud Microphysical Parameters	L2C	3SIMG_L2C_CMP	HDF	2	Sector Map Projected
5*	Land Surface Albedo	L2C	3SIMG_L2C_LSA	HDF	1	Sector Map Projected
6*	Net Radiation	L2C	3SIMG_L2C_NER	HDF	1	Sector over India Lat : 05 deg to 40 deg Lon: 60 deg to 100 deg
7*	Storm Index	L2C	3SIMG_L2C_STO RM	HDF	1	Over India Only Images are Generated
Geo-Physical Parameters (L2P) : Point						
1	Fire	L2P	3SIMG_L2P_FIR	KML	1	Point
2	Smoke	L2P	3SIMG_L2P_SMK	KML	1	Point
3	Atmospheric Motion Winds	L2P	3SIMG_L2P_AMV	HDF	5	Point Data containing winds from IR+WV+(MIR during Night OR VIS during Day)
Geo-Physical Parameters (L2G) : Gridded						
1	Aerosol Optical Depth	L2G	3SIMG_L2G_AOD	HDF	1	0.1 deg x 0.1 deg
2	INSAT Multi-Spectral Rainfall Algorithm	L2G	3SIMG_L2G_IMR	HDF	1	0.25 deg x 0.25 deg
3	GOES Precipitation Index (GPI)	L2G	3SIMG_L2G_GPI	HDF	1	0.5 deg x 0.5 deg
4	Wind Derived Products	L2G	3SIMG_L2G_WDP	HDF	9	0.5 deg x 0.5 deg
Multi Satellite Merged Wind Products will no longer be supported for INSAT-3DS						
Binned Geo-Physical Parameters (Temporally Binned) L3B (Only Daily Product will be supported from DP)						
1	Outgoing Long wave radiation	L3B	3SIMG_L3B_OLR	HDF	1	DLY
2	Rainfall using Hydro Estimator	L3B	3SIMG_L3B_HEM	HDF	1	DLY
3	Upper Troposphere Humidity	L3B	3SIMG_L3B_UTH	HDF	1	DLY

4	Sea Surface Temperature	L3B	3SIMG_L3B_SST	HDF	2	DLY (REG and VAR parameters merged in one file)
5	Land Surface Temperature	L3B	3SIMG_L3B_LST	HDF	2	DLY (Min and Max parameters merged in one file)
6	INSAT Multi-Spectral Rainfall Algorithm (IMSRA)	L3B	3SIMG_L3B_IMC	HDF	1	DLY
7	Short Wave Radiation over Ocean	L3B	3SIMG_L3B_SWR	HDF	1	DLY
8	Brightness Temperature	L3B	3SIMG_L3B_BRT	HDF	4	DLY (TIR1, TIR2, WV and MIR BT in one file)
Binned Geo-Physical Parameters (Temporally Binned) L3C						
1	Insolation	L3C	3SIMG_L3C_INS	HDF	4	DLY (INS, DHI, DNI, GHI parameters in one file)
2	Potential Evapotranspiration (ET)	L3C	3SIMG_L3C_PET	HDF	1	DLY
3*	Actual Evapotranspiration (ET)	L3C	3SIMG_L3C_AET	HDF	1	DLY
4*	Land Surface Albedo	L3C	3SIMG_L3C_LSA	HDF	1	DLY
Binned Geo-Physical Parameters (Temporally Binned) L3G						
1	INSAT Multi-Spectral Rainfall Algorithm	L3G	3SIMG_L3G_IMR	HDF	1	DLY
2	GOES Precipitation Index (GPI)	L3G	3SIMG_L3G_GPI	HDF	1	DLY

3.0 Products from SOUNDER

(Total Products: 4)

Table 3.1 : INSAT-3DS Sounder Products List						
S.No.	Data Product	Processing Level	Code	Format	Images	Remarks
Standard Products (L1B)						
1	Standard Product	L1B	3SSND_L1B_SA1	HDF	37 (18 IR, 18 IR BT and 1 VIS)	India Region
2	Standard Product	L1B	3SSND_L1B_SB1	HDF	37	Indian Ocean Region
Geo-Physical Parameters (L2B)						
1	Vertical Profiles and Derived products	L2B	3SSND_L2B_SA1	HDF	62	Profile on 3x3 Pixels (Average)
2	Vertical Profiles and Derived products	L2B	3SSND_L2B_SB1	HDF	62	Profile on 3x3 Pixels (Average)

4.0 INSAT-3DS HDF Files and Images Nomenclature

4.1 Imager Products Nomenclature

All jpg chips are generated using HDF files; hence the name of jpg files starts with HDF file name (including Version number e.g. V01R00) excluding .h5 extension. For each band separate jpg files are created from single HDF file. For IR channels additional BT image are generated with _TEMP added to band jpg files.

So from Imager standard product (uniqueId_L1B_STD.h5) 11 chips are generated (6 chips for six bands + 4 BT images + one RGB) for each acquisitions. Similarly, for each sector six band image chips and one RGB chip is generated.

In addition to this for each Geo-physical parameter only one chip file is generated, except wind Vectors.

Exception: For wind vectors based on time of acquisition VISIBLE wind or MIR wind gets generated

NOTE: For FIRE and SMOKE in place of HDF, KML file is generated.

Corresponding Chip file is also generated.

Table 4.1 INSAT-3DS IMAGER HDF Products and Images	
HDF File Name	Image File Name
L1B Products <i>(Full Globe Basic Products)</i>	
3SIMG_18SEP2024_0600_L1B_STD_V01R00.h5	3SIMG_18SEP2024_0600_L1B_STD_IR1_TEMP_V01R00.jpg 3SIMG_18SEP2024_0600_L1B_STD_IR1_V01R00.jpg 3SIMG_18SEP2024_0600_L1B_STD_IR2_TEMP_V01R00.jpg 3SIMG_18SEP2024_0600_L1B_STD_IR2_V01R00.jpg 3SIMG_18SEP2024_0600_L1B_STD_MIR_TEMP_V01R00.jpg 3SIMG_18SEP2024_0600_L1B_STD_MIR_V01R00.jpg 3SIMG_18SEP2024_0600_L1B_STD_RGB_V01R00.jpg 3SIMG_18SEP2024_0600_L1B_STD_SWIR_V01R00.jpg 3SIMG_18SEP2024_0600_L1B_STD_VIS_V01R00.jpg 3SIMG_18SEP2024_0600_L1B_STD_WV_TEMP_V01R00.jpg 3SIMG_18SEP2024_0600_L1B_STD_WV_V01R00.jpg
L1C Products <i>Two sector Products(AOI Based) are generated namely ASIA_MER and SGP</i>	
3SIMG_18SEP2024_0600_L1C_ASIA_MER_V01R00.h5	3SIMG_18SEP2024_0600_L1C_ASIA_MER_IR1_TEMP_V01R00.jpg 3SIMG_18SEP2024_0600_L1C_ASIA_MER_IR1_V01R00.jpg 3SIMG_18SEP2024_0600_L1C_ASIA_MER_IR2_TEMP_V01R00.jpg 3SIMG_18SEP2024_0600_L1C_ASIA_MER_IR2_V01R00.jpg 3SIMG_18SEP2024_0600_L1C_ASIA_MER_MIR_TEMP_V01R00.jpg 3SIMG_18SEP2024_0600_L1C_ASIA_MER_MIR_V01R00.jpg 3SIMG_18SEP2024_0600_L1C_ASIA_MER_MP_V01R00.jpg 3SIMG_18SEP2024_0600_L1C_ASIA_MER_SWIR_V01R00.jpg 3SIMG_18SEP2024_0600_L1C_ASIA_MER_VIS_V01R00.jpg 3SIMG_18SEP2024_0600_L1C_ASIA_MER_WV_TEMP_V01R00.jpg 3SIMG_18SEP2024_0600_L1C_ASIA_MER_WV_V01R00.jpg
3SIMG_18SEP2024_0600_L1C_SGP_V01R00.h5	3SIMG_18SEP2024_0600_L1C_SGP_IR1_TEMP_V01R00.jpg 3SIMG_18SEP2024_0600_L1C_SGP_IR1_V01R00.jpg 3SIMG_18SEP2024_0600_L1C_SGP_IR2_TEMP_V01R00.jpg 3SIMG_18SEP2024_0600_L1C_SGP_IR2_V01R00.jpg 3SIMG_18SEP2024_0600_L1C_SGP_MIR_TEMP_V01R00.jpg 3SIMG_18SEP2024_0600_L1C_SGP_MIR_V01R00.jpg 3SIMG_18SEP2024_0600_L1C_SGP_MP_V01R00.jpg 3SIMG_18SEP2024_0600_L1C_SGP_SWIR_V01R00.jpg 3SIMG_18SEP2024_0600_L1C_SGP_VIS_V01R00.jpg 3SIMG_18SEP2024_0600_L1C_SGP_WV_TEMP_V01R00.jpg 3SIMG_18SEP2024_0600_L1C_SGP_WV_V01R00.jpg
L2B Products <i>(Geo-physical Products generated using L1B Product as input)</i>	

<p>3SIMG_18SEP2024_0600_L2B_CMK_V01R00.h5 3SIMG_18SEP2024_0600_L2B_HEM_V01R00.h5 3SIMG_18SEP2024_0600_L2B_IMC_V01R00.h5 3SIMG_18SEP2024_0600_L2B_LST_V01R00.h5 3SIMG_18SEP2024_0600_L2B_OLR_V01R00.h5 3SIMG_18SEP2024_0600_L2B_SST_VAR_V01R00.h5 3SIMG_18SEP2024_0600_L2B_TPW_V01R00.h5 3SIMG_18SEP2024_0600_L2B_UTH_V01R00.h5</p> <p>3SIMG_18SEP2024_0600_L2B_CTP_V01R00.h5</p>	<p>3SIMG_18SEP2024_0600_L2B_CMK_V01R00.jpg 3SIMG_18SEP2024_0600_L2B_HEM_V01R00.jpg 3SIMG_18SEP2024_0600_L2B_IMC_V01R00.jpg 3SIMG_18SEP2024_0600_L2B_LST_V01R00.jpg 3SIMG_18SEP2024_0600_L2B_OLR_V01R00.jpg 3SIMG_18SEP2024_0600_L2B_SST_VAR_V01R00.jpg 3SIMG_18SEP2024_0600_L2B_TPW_V01R00.jpg 3SIMG_18SEP2024_0600_L2B_UTH_V01R00.jpg</p> <p>3SIMG_18SEP2024_0600_L2B_CLRFR_MIR_V01R00.jpg 3SIMG_18SEP2024_0600_L2B_CLRFR_TIR1_V01R00.jpg 3SIMG_18SEP2024_0600_L2B_CLRFR_TIR2_V01R00.jpg 3SIMG_18SEP2024_0600_L2B_CLRFR_WVR_V01R00.jpg 3SIMG_18SEP2024_0600_L2B_CSBT_MIR_V01R00.jpg 3SIMG_18SEP2024_0600_L2B_CSBT_TIR1_V01R00.jpg 3SIMG_18SEP2024_0600_L2B_CSBT_TIR2_V01R00.jpg 3SIMG_18SEP2024_0600_L2B_CSBT_WVR_V01R00.jpg 3SIMG_18SEP2024_0600_L2B_CTP_V01R00.jpg 3SIMG_18SEP2024_0600_L2B_CTT_V01R00.jpg 3SIMG_18SEP2024_0600_L2B_EFF_EMISS_V01R00.jpg</p>
<p>L2C Products <i>(Geo-physical Products generated using L1C Product as input)</i></p>	
<p>3SIMG_18SEP2024_0600_L2C_INS_V01R00.h5</p> <p>3SIMG_18SEP2024_0600_L2C_FOG_INTENSITY_V01R00.h5 3SIMG_18SEP2024_0600_L2C_FOG_V01R00.h5</p> <p>3SIMG_18SEP2024_0600_L2C_CMP_V01R00.h5</p> <p>3SIMG_18SEP2024_0600_L2C_FSC_V01R00.h5 3SIMG_18SEP2024_0600_L2C_SNW_V01R00.h5</p> <p>3SIMG_18SEP2024_0600_L2C_LSA_V01R00.h5</p>	<p>3SIMG_18SEP2024_0600_L2C_INS_V01R00.jpg 3SIMG_18SEP2024_0600_L2C_DHI_V01R00.jpg 3SIMG_18SEP2024_0600_L2C_DNI_V01R00.jpg 3SIMG_18SEP2024_0600_L2C_GHI_V01R00.jpg</p> <p>3SIMG_18SEP2024_0600_L2C_FOG_INTENSITY_V01R00.jpg 3SIMG_18SEP2024_0600_L2C_FOG_V01R00.jpg</p> <p>3SIMG_18SEP2024_0600_L2C_CER_V01R00.jpg 3SIMG_18SEP2024_0600_L2C_COT_V01R00.jpg</p> <p>3SIMG_18SEP2024_0600_L2C_FSC_V01R00.jpg 3SIMG_18SEP2024_0600_L2C_SNW_V01R00.jpg</p> <p>3SIMG_18SEP2024_0600_L2C_LSA_V01R00.jpg</p>
<p>L2G Products <i>(Gridded Geo-physical Products)</i></p>	
<p>3SIMG_18SEP2024_0600_L2G_AOD_V01R00.h5 3SIMG_18SEP2024_0600_L2G_GPI_V01R00.h5 3SIMG_18SEP2024_0600_L2G_IMR_V01R00.h5</p> <p>3SIMG_18SEP2024_0600_L2G_WDP_V01R00.h5</p>	<p>3SIMG_18SEP2024_0600_L2G_AOD_V01R00.jpg 3SIMG_18SEP2024_0600_L2G_GPI_V01R00.jpg 3SIMG_18SEP2024_0600_L2G_IMR_V01R00.jpg</p> <p>3SIMG_18SEP2024_0600_L2G_LOWCON_V01R00.jpg 3SIMG_18SEP2024_0600_L2G_MIDSH_V01R00.jpg 3SIMG_18SEP2024_0600_L2G_SHEAR_V01R00.jpg 3SIMG_18SEP2024_0600_L2G_SHTEN_V01R00.jpg 3SIMG_18SEP2024_0600_L2G_UPDIV_V01R00.jpg 3SIMG_18SEP2024_0600_L2G_VOR200mb_V01R00.jpg 3SIMG_18SEP2024_0600_L2G_VOR500mb_V01R00.jpg 3SIMG_18SEP2024_0600_L2G_VOR700mb_V01R00.jpg 3SIMG_18SEP2024_0600_L2G_VOR850mb_V01R00.jpg</p>
<p>L2P Products <i>(Point Geo-physical Products)</i></p>	
<p>3SIMG_18SEP2024_0600_L2P_FIR_V01R00.h5 3SIMG_18SEP2024_0600_L2P_SMK_V01R00.h5</p> <p>3SIMG_18SEP2024_0600_L2P_AMV_V01R00.h5</p>	<p>3SIMG_18SEP2024_0600_L2P_FIR_V01R00.jpg 3SIMG_18SEP2024_0600_L2P_SMK_V01R00.jpg</p> <p>3SIMG_18SEP2024_0600_L2P_HIG_V01R00.gif 3SIMG_18SEP2024_0600_L2P_IRW_V01R00.gif 3SIMG_18SEP2024_0600_L2P_LOW_V01R00.gif 3SIMG_18SEP2024_0600_L2P_VSW_V01R00.gif 3SIMG_18SEP2024_0600_L2P_WVW_V01R00.gif</p>
<p>L3B Binned Geophysical Products (Daily Binned Products)</p>	
<p>3SIMG_18SEP2024_0000_L3B_SST_V01R00.h5</p> <p>3SIMG_18SEP2024_0000_L3B_HEM_DLY_V01R00.h5 3SIMG_18SEP2024_0000_L3B_IMC_DLY_V01R00.h5 3SIMG_18SEP2024_0000_L3B_MIR_TEMP_DLY_V01R00.h5 3SIMG_18SEP2024_0000_L3B_OLR_DLY_V01R00.h5 3SIMG_18SEP2024_0000_L3B_TIR1_TEMP_DLY_V01R00.h5</p>	<p>3SIMG_18SEP2024_0000_L3B_SST_REG_DLY_V01R00.jpg 3SIMG_18SEP2024_0000_L3B_SST_VAR_DLY_V01R00.jpg</p> <p>3SIMG_18SEP2024_0000_L3B_HEM_DLY_V01R00.jpg 3SIMG_18SEP2024_0000_L3B_IMC_DLY_V01R00.jpg 3SIMG_18SEP2024_0000_L3B_MIR_TEMP_DLY_V01R00.jpg 3SIMG_18SEP2024_0000_L3B_OLR_DLY_V01R00.jpg 3SIMG_18SEP2024_0000_L3B_TIR1_TEMP_DLY_V01R00.jpg</p>

3SIMG_18SEP2024_0000_L3B_TIR2_TEMP_DLY_V01R00.h5	3SIMG_18SEP2024_0000_L3B_TIR2_TEMP_DLY_V01R00.jpg
3SIMG_18SEP2024_0000_L3B_UTH_DLY_V01R00.h5	3SIMG_18SEP2024_0000_L3B_UTH_DLY_V01R00.jpg
3SIMG_18SEP2024_0000_L3B_WV_TEMP_DLY_V01R00.h5	3SIMG_18SEP2024_0000_L3B_WV_TEMP_DLY_V01R00.jpg
L3C Binned Geophysical Products (Daily Binned Products)	
3SIMG_18SEP2024_0000_L3C_INS_DLY_V01R00.h5	3SIMG_18SEP2024_0000_L3C_DHI_DLY_V01R00.jpg
	3SIMG_18SEP2024_0000_L3C_DNI_DLY_V01R00.jpg
	3SIMG_18SEP2024_0000_L3C_GHI_DLY_V01R00.jpg
	3SIMG_18SEP2024_0000_L3C_INS_DLY_V01R00.jpg
L3G Binned Geophysical Products (Daily Binned Products)	
3SIMG_18SEP2024_0000_L3G_GPI_DLY_V01R00.h5	3SIMG_18SEP2024_0000_L3G_GPI_DLY_V01R00.jpg
3SIMG_18SEP2024_0000_L3G_IMR_DLY_V01R00.h5	3SIMG_18SEP2024_0000_L3G_IMR_DLY_V01R00.jpg

4.2 Sounder Products Nomenclature

For all IR channels Image chips plus BT (18 band chips + 18 BT chips) chips are generated. Sounder Geo-physical and derived products are based on pressure level in which parameter is derived.

Table 4.2 INSAT-3S SOUNDER CHIPS	
HDF File Name	Image File Name
	L1B Products
3SSND_18SEP2024_0601_L1B_SA1_V01R00.h5	3SSND_18SEP2024_0601_L1B_SA1_LWIR1_TEMP_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_LWIR1_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_LWIR2_TEMP_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_LWIR2_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_LWIR3_TEMP_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_LWIR3_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_LWIR4_TEMP_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_LWIR4_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_LWIR5_TEMP_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_LWIR5_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_LWIR6_TEMP_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_LWIR6_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_LWIR7_TEMP_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_LWIR7_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_MWIR1_TEMP_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_MWIR1_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_MWIR2_TEMP_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_MWIR2_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_MWIR3_TEMP_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_MWIR3_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_MWIR4_TEMP_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_MWIR4_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_MWIR5_TEMP_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_MWIR5_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_SWIR1_TEMP_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_SWIR1_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_SWIR2_TEMP_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_SWIR2_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_SWIR3_TEMP_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_SWIR3_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_SWIR4_TEMP_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_SWIR4_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_SWIR5_TEMP_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_SWIR5_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_SWIR6_TEMP_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_SWIR6_V01R00.jpg 3SSND_18SEP2024_0601_L1B_SA1_VIS_V01R00.jpg
	L2B Products
3SSND_18SEP2024_0601_L2B_SA1_V01R00.h5	3SSND_18SEP2024_0601_L2B_SA1_CTP_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_CTT_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_DMI_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_EMS_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_FCST_SURF_AIR_H2OMMR_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_FCST_SURF_AIR_TEMP_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_FCST_SURF_PRES_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_GEO_POT_HEIGHT_1000mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_GEO_POT_HEIGHT_100mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_GEO_POT_HEIGHT_10mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_GEO_POT_HEIGHT_150mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_GEO_POT_HEIGHT_200mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_GEO_POT_HEIGHT_20mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_GEO_POT_HEIGHT_250mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_GEO_POT_HEIGHT_300mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_GEO_POT_HEIGHT_30mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_GEO_POT_HEIGHT_400mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_GEO_POT_HEIGHT_500mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_GEO_POT_HEIGHT_50mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_GEO_POT_HEIGHT_620mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_GEO_POT_HEIGHT_700mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_GEO_POT_HEIGHT_70mb_V01R00.jpg

<p> 3SSND_18SEP2024_0601_L2B_SA1_GEO_POT_HEIGHT_850mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_GEO_POT_HEIGHT_950mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_H2OMMRPhy_1000mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_H2OMMRPhy_100mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_H2OMMRPhy_150mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_H2OMMRPhy_200mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_H2OMMRPhy_250mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_H2OMMRPhy_300mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_H2OMMRPhy_400mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_H2OMMRPhy_500mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_H2OMMRPhy_620mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_H2OMMRPhy_700mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_H2OMMRPhy_850mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_H2OMMRPhy_950mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_L1_PREC_WATER_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_L2_PREC_WATER_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_L3_PREC_WATER_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_LI_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_TAirPhy_1000mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_TAirPhy_100mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_TAirPhy_10mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_TAirPhy_150mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_TAirPhy_200mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_TAirPhy_20mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_TAirPhy_250mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_TAirPhy_300mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_TAirPhy_30mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_TAirPhy_400mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_TAirPhy_500mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_TAirPhy_50mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_TAirPhy_620mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_TAirPhy_700mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_TAirPhy_70mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_TAirPhy_850mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_TAirPhy_950mb_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_theta-e_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_totH2O_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_totO3Reg_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_TSurfPhy_V01R00.jpg 3SSND_18SEP2024_0601_L2B_SA1_WI_V01R00.jpg </p>
