MADRAS

L1A

Estimated Size	for typical [Number_of_Scans]
72.475 Mb	[2467]

Science data group associated attributes

ScienceData

		Attributes		
Index	Name	Value	Туре	Size
#1	Product_Identification	MT1MADSL1A_1.00_9_01_I_2012_05_09_0000	H5T_C_S1	84
#2	Organization_Name	ISRO	H5T_C_S1	5
#3	Property_of_data	ISRO_ and_CNES	H5T_C_S1	15
#4	Satellite_Name	MEGHA-TROPIQUES	H5T_C_S1	16
#5	Payload_Name	MADRAS	H5T_C_S1	12
#6	Product_Name	Level-1A-segment wise	H5T_C_S1	35
#7	Product_Format	NCSA-HDF	H5T_C_S1	9
#8	Product_Format_Version	HDF5.1.6.4	H5T_C_S1	11
#9	Product_Generation_Date	2012MAI09	H5T_C_S1	10
#10	Imaging_Date	2012MAI09	H5T_C_S1	10
#11	Date_Format	YYYYMMMDD	H5T_C_S1	10
#12	INS_AuxFile_Version	9_01	H5T_C_S1	5
#13	PRO_AuxFile_Version	9_01	H5T_C_S1	5
#14		9_01	H5T_C_S1	5
#15	GEO_AuxFile_Version	9_01	H5T_C_S1	5
#16	PCS_AuxFile_Version	9_01	H5T_C_S1	5
#17	SLC_AuxFile_Version	9_01	H5T_C_S1	5
#18	GRB_AuxFile_Version	9_01	H5T_C_S1	5
#19	UCS_AuxFile_Version	9_01	H5T_C_S1	5
#20	Number_of_Channels	9	H5T_C_S1	8
#21	Channel_CentralFrequency	18.7GHz 18.7GHz 23.8GHz 36.5GHz 36.5GHz	H5T_C_S1	74
#22	Channel_Polarization	HVVHVHVHV	H5T_C_S1	18
#23	Channel_Bandwith	100MHz 100MHz 200MHz 500MHz 500MHz 13	H5T_C_S1	67
#24	Number_of_Resolutions	3	H5T_C_S1	8
#25	ChannelList_LF	18.7GHz 23.8GHz 36.5GHz	H5T_C_S1	24
#26	ChannelList_MF	89.0GHz	H5T_C_S1	8
#27	ChannelList_HF	157.0GHz	H5T_C_S1	9
#28	Sample_Size_LF[Across, Along]	[40.00,67.25]km	H5T_C_S1	16
#29	Sample_Size_MF[Across, Along]		H5T_C_S1	16
#30	Sample_Size_HF[Across, Along]		H5T_C_S1	13
#31	SunGlint_Limits	[0,30]degree	H5T_C_S1	13
#32	_	00001	H5T_C_S1	19
#33	Orbit_EndNumber	00001	H5T_C_S1	17
#34	Orbit_Cycle_Number	01	H5T_C_S1	3
#35		100001	H5T_C_S1	7
#36	Nskip	0005	H5T_C_S1	5
#37	ProcessorVersion	1.00	H5T_C_S1	5

#38	MADRAS_QF_Scan_Definition	16-bits array (=0:good, =1:bad): #15:Scan/row validity flag, #14:pass type , #13:scanning type , #12:scan/row error , #11:datation error , #10:PRT error , #9:encoder error , #8 madras correction flag #7 to 6 blank , #5 to 3:Payload mod , #2 to 0 :Satellite mod	H5T_C_S1	16x24
#39	MADRAS_QF_Sample_Definition		H5T C S1	16x24
#40	Skip_StartScanNumber	[00000064,00000165,00000266,00000367,00	H5T_C_S1	1*Nskip
#41	Skip_EndScanNumber	[00000066,00000167,00000268,00000370,00	H5T_C_S1	1*Nskip
#42	Flip_StartScanNumber	00000012	H5T_C_S1	9
#43	Flip_EndScanNumber	00000042	H5T_C_S1	9
#44	Maneuver_StartScanNumber	00000011	H5T_C_S1	9
#45	Maneuver_EndScanNumber	0000043	H5T_C_S1	9
#46	FirstScanNumber	0000000	H5T_C_S1	8
#47	Time_Sample_Interval_LF		H5T_C_S1	4
#48	Time_Sample_Interval_MF	2	H5T_C_S1	4
#49	Time_Sample_Interval_HF	1	H5T_C_S1	4
#50	Number_of_Samples_LF	480	H5T_C_S1	8
#51	Number_of_Samples_MF	480	H5T_C_S1	8
#52	Number_of_Samples_HF	960	H5T_C_S1	8
#53	ValidEarthSamplesIndex_LF	[012,469]	H5T_C_S1	10
#54	ValidEarthSamplesIndex_MF	[016,466]	H5T_C_S1	10
#55	ValidEarthSamplesIndex_HF	[031,930]	H5T_C_S1	10
#56	Number_of_Scans	00002467	H5T_C_S1	8
#57	QF_Product_%Processed_Scans	099	H5T_C_S1	4

Science data group elements

Estimated size of dataset [Mb]

Index	Name	Туре	Typical Value	
	MADRAS_QF_scan	H5T_STD_U16LE	Number_of_Scans	
	Attributes			
	Name	Value	Туре	Size
	long_name	Quality flag applicable to the scan line	H5T_C_S1	41
#1		16-bits array (=0:good, =1:bad): #15:Scan/row validity flag, #14:pass type, #13:scanning type, #12:scan/row error, #11:datation error, #10:PRT error, #9:encoder error, #8 madras correction flag #7 to 6 blank, #5 to 3:Payload mod, #2 to 0 :Satellite mod	WET C C1	20
	comment		H5T C S1	29

		dimension label	Number of Scans	H5T C S1	16
		geolocation label	Scan_FirstSampleAcqTime_LF	H5T C S1	54
0.005		Scan_Number	H5T STD U16LE	Number of Scans	31
0.003		Attributes	1131_313_333_	rtuniber_er_ecune	
		Name	Value	Туре	Size
		long name	Scan Number	H5T C S1	12
		valid range	[0,65535]	H5T C S1	10
	#2	min max	[0,65535]	H5T C S1	10
		FillValue	65535	H5T C S1	6
		_rilivalue	scan number from the first scan of the	U21_C_21	U
		comment	product	H5T C S1	47
		dimension label	Number_of_Scans	H5T C S1	16
0.005		Latitude Nadir	H5T_STD_U16LE	Number of Scans	_ •
		Attributes			
		Name	Value	Туре	Size
		long name	latitude of subsatellite point	H5T_C_S1	31
		standard name	latitude	H5T_C_S1	9
		units	degrees	H5T C S1	8
	#3	scale factor	0.01	H5T C S1	5
	"3	add offset	-40.0	H5T C S1	6
		valid range	[-40.0,40.0]	H5T C S1	13
		min max	[0,8000]	H5T C S1	9
		FillValue	65535		6
				H5T_C_S1	
		comment	accuracy 1km	H5T_C_S1	13
0.005		dimension_label	Number_of_Scans	H5T_C_S1	16
0.005	l	Longitude_Nadir	H5T_STD_U16LE	Number_of_Scans	
		Attributes	Ma hi ia	T	Ci
		Name	Value	Type	Size
		long name	longitude of subsatellite point	H5T C S1	32
		standard_name	longitude	H5T_C_S1	10
		units	degrees	H5T_C_S1	8
	#4	scale_factor	0.01	H5T_C_S1	5
		add_offset	0.0	H5T_C_S1	4
		valid_range	[0.0,360.0]	H5T_C_S1	12
		min_max	[0,36000]	H5T_C_S1	10
		_FillValue	65535	H5T_C_S1	6
			Longitude [0,360]: 0 is Greenwich		
		comment	meridian (accuracy 1km)	H5T_C_S1	59
		dimension_label	Number_of_Scans	H5T_C_S1	16
0.005		Scan_HotLoadTemperature	H5T_STD_U16LE	Number_of_Scans	
		Attributes			
		Name	Value	Туре	Size
		long_name	Hot load temperature	H5T_C_S1	21
		units	Kelvin	H5T_C_S1	7
		scale_factor	0.01	H5T_C_S1	5
		add offset	0.0	H5T C S1	4
	#5	valid range	[0.0,400.0]	H5T C S1	12
		min_max	[0,40000]	H5T_C_S1	10
		FillValue	65535	H5T C S1	6
			Estimated average physical		
			temperature of the hot load used for TB		
		comment	calculation	H5T_C_S1	79
		dimension_label	Number_of_Scans	H5T_C_S1	16
		geolocation_label	Scan_FirstSampleAcqTime_LF	H5T_C_S1	54

0.085		Scan Gain	H5T IEEE F32LE	Number of Scans>	
0.003		Attributes	1131_1222_1 3222	Number_or_scans/	
		Name	Value	Туре	Size
		long name	Estimated gain	H5T C S1	15
		units	count/K	H5T C S1	8
		scale factor	1.0	H5T C S1	4
		add offset	0.0	H5T C S1	4
	#6	valid range	[5.0,13.0]	H5T C S1	21
	#0	min max	[5.0,13.0]	H5T C S1	21
		FillValue	3.4E38	H5T C S1	7
		comment	Estimated gain value applied to TB calculation for each channels in the following sequence: 18.7H, 18.7V, 23.8 V,36.5H, 36.5V, 89.0H, 89.0V, 157.0H, 157.0V	H5T C S1	124
		dimension label	Number_of_Scans, Number_of_Channels	H5T C S1	36
0.085		Scan_Offset	H5T_IEEE_F32LE	Number_of_Scans>	
		Attributes			
		Name	Value	Туре	Size
		long name	Estimated offset	H5T C S1	17
		units	Kelvin	H5T C S1	7
		scale factor	1.0	H5T C S1	4
		add offset	0.0	H5T C S1	4
	#7	valid range	[0.0,150.0]	H5T C S1	23
		min max	[0.0,150.0]	H5T C S1	23
		FillValue	3.4E38	H5T C S1	7
		comment	Estimated offset value used for TB calculation for each channels in the following sequence: 18.7H, 18.7V, 23.8 V,36.5H, 36.5V, 89.0H, 89.0V, 157.0H, 157.0V	H5T_C_S1	113
		dimension label	Number_of_Scans, Number_of_Channels	H5T C S1	36
0.002		Scan_FirstSampleAcqTime_LF	H5T_C_S1	Number_of_Scans	
		Attributes			
		Name	Value	Туре	Size
		long_name	date of the first sample	H5T_C_S1	45
	#8	standard_name	time	H5T_C_S1	5
		units	UTC Time in microseconds	H5T_C_S1	25
		_FillValue	yyyymmdd hhmmssuuuuuu	H5T_C_S1	22
		comment	format: yyyymmdd hhmmssuuuuuu	H5T_C_S1	30
		dimension label	Number_of_Scans	H5T C S1	16
0.002		Scan_FirstSampleAcqTime_MF	H5T_C_S1	Number_of_Scans	
		Attributes	1	-	C'
		Name	Value	Type	Size
	#0	long_name	date of the first sample	H5T_C_S1	45
	#9	standard_name	UTC Time in microseconds	H5T_C_S1	5
		units	yyyymmdd hhmmssuuuuu	H5T_C_S1	25
		_FillValue	format: yyyymmdd hhmmssuuuuu	H5T_C_S1 H5T_C_S1	22 30
		comment dimension label	Number of Scans		
0.002		dimension label Scan FirstSampleAcqTime HF	H5T_C_S1	H5T C S1 Number of Scans	16
0.002		Attributes	пэт-с-эт	ivumber_or_scans	
	#10	Name	Value	Typo	Size
			date of the first sample	Type	45
		long_name	Tuate of the first sample	H5T_C_S1	45

Standard name Unite HST_CS1 S 22 22 23 24 24 25 25 25 25 25 25						
#11 Fill/Subsection Fill/S			standard_name	time	H5T_C_S1	5
Comment Comm			units	UTC Time in microseconds	H5T_C_S1	25
			FillValue	yyyymmdd hhmmssuuuuuu	H5T C S1	22
Dimension label Number of Scans HST C S1 16			comment	format: yyyymmdd hhmmssuuuuuu	H5T C S1	30
Lithtude Samples, IF			dimension label			
#11 Attributes Name	2.259				Number of Scans	
Name						
Introduction Internation Introduction Introduction Introduction Introduction Introduction Introduction Introduction Internation Introduction Internation Introduction Internation Int				Value	Tyne	Size
#11 Ing. name			rearrie		Турс	3120
#11 #11 #11 #11 #11 #11 #11 #11			I		LIET C C1	77
#11 units degrees						
#11 Scale factor 0.01 HST C S1 5 6						
#11 add offset						
Valid range		"11				
#12 #12 #13 #14 #15 C S S S S S S S S S		#11	add_offset			
Comment accuracy Im			valid_range		H5T_C_S1	13
Authority Auth			FillValue	65535	H5T C S1	6
#12 #13 #13 #13 #13 #13 #13 #13			comment	accuracy 1km	H5T C S1	13
CLASS						
MAGE SUBCLASS MAGE GRAYSCALE			dimension label	Number of Samples LF	H5T C S1	59
#12 MAGE SUBCLASS MAGE GRAYSCALE HST C S1 16 IMAGE MINMARRANGE (0,8000] HST STD LIGIE 4 Latitude Samples MF			CLASS	IMAGE	H5T C S1	6
IMAGE MINMAXRANGE 10,8000]				IMAGE_GRAYSCALE		
Latitude_Samples_MF				[0,800]		
#12 #12 #13 #14 #15 C S1 Ing name Iatitude of medium-resolution (89.0 Iatitude of medium-resolution (89.0 Iatitude of medium-resolution (89.0 Iatitude	2.259					·
Name Value Type Size				110120120101		
#12 Indig name Indig name				Value	Tyne	Size
			rune		1,700	5,20
#12 #12 #13 #14 #15 #16 #17 #18 #19 #19 #19 #118 #19 #119			lang nama		HET C C1	77
#12 #12 #12 #12 #13 #14 #15 #16 #17 #17 #18 #18 #18 #19 #19 #19 #19 #19				-		
#12 Scale factor 0.01			_			
#12 #12 #13 #14 #15						
Valid range		#12				
#13 FillValue		#12				
Comment accuracy 1km H5T C_S1 13			valid_range		H5T_C_S1	13
Minter of Scans, Number of Scans, Number of Samples MF			_FillValue		H5T_C_S1	
dimension label Number of Samples MF H5T C S1 59 CLASS IMAGE H5T C S1 6 IMAGE SUBCLASS IMAGE GRAYSCALE H5T C S1 16 IMAGE MINMAXRANGE [0,8000] H5T STD U16LE 4 Latitude Samples HF H5T STD U16LE Number of Scans>			comment		H5T_C_S1	13
#13 CLASS IMAGE						
#13 #13 IMAGE SUBCLASS IMAGE_GRAYSCALE HST_C_S1 16 IMAGE MINMAXRANGE [0,8000] HST_STD_U16LE 4 Latitude_Samples_HF HST_STD_U16LE Number_of_Scans>						
#13 IMAGE MINMAXRANGE [0,8000]						
#13 Latitude_Samples_HF Name Name Latitude of high-resolution (157.0 GHz) Size Latitude of high-resolution (157.0 GHz) Samples Latitude of high-resolution (157.0 GHz) Size Latitude of high-resolution (157.0 GHz) Latitude of high-			IMAGE_SUBCLASS		H5T_C_S1	16
#13 Attributes Name Value Type Size			IMAGE_MINMAXRANGE	[0,8000]	H5T_STD_U16LE	4
Name Value Type Size	4.517		Latitude_Samples_HF	H5T_STD_U16LE	Number_of_Scans>	<u> </u>
#13 latitude of high-resolution (157.0 GHz)			Attributes			
#13 latitude of high-resolution (157.0 GHz)			Name	Value	Туре	Size
#13 long name samples H5T C S1 77 standard name latitude H5T C S1 9 units degrees H5T C S1 8 scale factor 0.01 H5T C S1 5 add offset -40.0 H5T C S1 6 valid range [-40.0,40.0] H5T C S1 13 FillValue 65535 H5T C S1 6 comment accuracy 1km H5T C S1 13 Number of Scans, Number of Samples HF H5T C S1 59				latitude of high-resolution (157.0 GHz)	,,	
#13 Standard name			long name		H5T C S1	77
#13 #13 degrees H5T C S1 8 scale factor 0.01 H5T C S1 5 add offset -40.0 H5T C S1 6 valid range [-40.0,40.0] FillValue 65535 H5T C S1 6 comment accuracy 1km Number_of_Scans, dimension_label Number_of_Samples_HF H5T C S1 8 None None Number_of_Samples_HF H5T C S1 59				•		
#13 scale factor add offset -40.0 Valid range [-40.0,40.0] FillValue 65535 Comment accuracy 1km Number of Scans, dimension_label H5T C S1						
Add offset		#13				
valid_range [-40.0,40.0] H5T C S1 13 FillValue 65535 H5T C S1 6 comment accuracy 1km H5T C S1 13 Number_of_Scans, Number_of_Scans, H5T C S1 13 dimension_label Number_of_Samples_HF H5T C S1 59		13				
FillValue 65535 H5T_C_S1 6 comment accuracy 1km H5T_C_S1 13 Number_of_Scans, Number_of_Scans, H5T_C_S1 59						
comment accuracy 1km H5T_C_S1 13 Number_of_Scans, Number_of_Samples_HF H5T_C_S1 59						
Number_of_Scans, dimension_label Number_of_Samples_HF H5T_C_S1 59						
dimension_label Number_of_Samples_HF H5T_C_S1 59			comment	accuracy 1km	H5T_C_S1	13
			diamental and the st		LIET C C1	F^
CLASS IMAGE H5T_C_S1 6						
			CLASS	IMAGE	H5T_C_S1	6

### AUTO- Page Page			IMAGE SUBCLASS	IMAGE GRAYSCALE	H5T C S1	16
Longitude Samples LF						
#14 ## Attributes Value Value Type Size	2 250				Number of Scans	
Name	2.239			1131_310_010EE	Nullibel_0 _3calls/	
				Value	Tuno	Cizo
			матте		Туре	Size
#14 #14 #15 Standard name Incipitude H5T C.S1 10 UnitS degrees H5T C.S1 8 Scale factor 0.01 H5T C.S1 5 #16 add offset 0.0 H5T C.S1 4 #17 Valid range (0.0,360.0) H5T C.S1 4						
#14 with the property of the p				•		
#14 Scale factor 0.01						
#14						
#15 valid range (0.0,380.0) HST C S1 12						
#15 Fill/Alue		#14				
#15 Comment Conglue (0.360): 0 is Greenwich HST C S1 S5						
#15 Comment Marmer of Scans Marmer of Scan			FillValue		H5T C S1	6
#15 Image Super Image Sup				Longitude [0,360]: 0 is Greenwich		
Additional content Additio			comment		H5T_C_S1	59
CLASS IMAGE HST C S1 6 MAGE SUBCLASS IMAGE GRAYSCALE HST C S1 16 MAGE MINMAXRANGE [0,36000] HST STD U16LE 4 Longitude Samples MF					UET 0 61	50
MAGE SUBCLASS MAGE GRAYSCALE H5T C 51 16						
Authorities						
Longitude_Samples_MF						
#15 #16 #16 #17 #17 #17 #18 #18 #18 #18 #19 #19 #19 #19	0.050					
Name	2.259			H51_S1D_U16LE	Number_of_Scans	
#15 Iong name Iongitude of medium-resolution (89.0 HST C S1 78 standard name Iongitude HST C S1 10 units degrees HST C S1 8 8 Scale factor O.01 HST C S1 5 4 4 4 4 4 4 4 4 4						
Iong name GHz) samples H5T C 51 78			Name		Туре	Size
#15 #15 #16 #16 #17 #17 #18 #17 #18 #18 #18 #18						
#15 degrees			<u> </u>			
#15 #15			standard_name	longitude		
#15 #16 #16 #17 #18 #18 #18 #18 #18 #18 #18			units		H5T_C_S1	8
Valid range (0.0,360.0)			scale factor		H5T C S1	5
Valid range (0.0,360.0) H5T C 51 12		#15	add_offset		H5T_C_S1	
Longitude [0,360]: 0 is Greenwich meridian (accuracy 1km) HST C S1 59			valid_range		H5T_C_S1	12
Comment Meridian (accuracy 1km) H5T_C S1 59			_FillValue	65535	H5T_C_S1	6
dimension label						
dimension label Number of Samples MF H5T C S1 59 CLASS IMAGE H5T C S1 6 IMAGE SUBCLASS IMAGE GRAYSCALE H5T C S1 16 IMAGE MINMAXRANGE [0,36000] H5T STD U16LE 4 Longitude Samples HF H5T STD U16LE Number of Scans Attributes			comment		H5T_C_S1	59
#16 CLASS IMAGE HST C S1 6 IMAGE SUBCLASS IMAGE_GRAYSCALE HST C S1 16 IMAGE MINAXRANGE [0.36000] HST STD U16LE 4 Longitude Samples HF						
#16 IMAGE SUBCLASS IMAGE_GRAYSCALE H5T_C S1 16 IMAGE MINMAXRANGE [0,36000] H5T_STD_U16LE 4 Longitude_Samples_HF						
#16 IMAGE MINMAXRANGE [0,36000]						
#16 Longitude_Samples_HF						
#16 Attributes Name Value Type Size long name						
Name Value Type Size	4.517			H5T_STD_U16LE	Number_of_Scans>	
long name samples H5T C S1 78 standard name longitude H5T C S1 10 units degrees H5T C S1 8 scale factor 0.01 H5T C S1 5 add offset 0.0 H5T C S1 4 valid range [0.0,360.0] H5T C S1 12 FillValue 65535 H5T C S1 6 Longitude [0,360]: 0 is Greenwich meridian (accuracy 1km) H5T C S1 59 dimension label Number of Samples HF H5T C S1 59						
#16 long name samples H5T C S1 78 standard name longitude H5T C S1 10 units degrees H5T C S1 8 scale factor 0.01 H5T C S1 5 add offset 0.0 H5T C S1 4 valid_range [0.0,360.0] H5T C S1 12 FillValue 65535 H5T C S1 6 Longitude [0,360]: 0 is Greenwich meridian (accuracy 1km) H5T C S1 59 Number_of_Scans, dimension_label Number_of_Samples_HF H5T_C S1 59			Name			Size
#16 Standard name longitude H5T C S1 10 units degrees H5T C S1 8 scale factor 0.01 H5T C S1 5 add offset 0.0 H5T C S1 4 valid_range [0.0,360.0] H5T C S1 12 FillValue 65535 H5T C S1 6 Longitude [0,360]: 0 is Greenwich comment meridian (accuracy 1km) H5T C S1 59 Number_of_Scans, dimension_label Number_of_Samples_HF H5T C S1 59						
#16 #16 Units degrees H5T C S1 8			long name	•		
#16 Scale factor 0.01			standard_name	-	H5T_C_S1	10
#16 add offset			units		H5T_C_S1	8
add_offset 0.0 H5T_C_S1 4 valid_range [0.0,360.0] H5T_C_S1 12 FillValue 65535 H5T_C_S1 6 Longitude [0,360]: 0 is Greenwich meridian (accuracy 1km) H5T_C_S1 59 Number_of_Scans, dimension_label Number_of_Samples_HF H5T_C_S1 59		#16				5
FillValue 65535 H5T_C_S1 6 Longitude [0,360]: 0 is Greenwich Comment Meridian (accuracy 1km) H5T_C_S1 59 Number_of_Scans, dimension_label Number_of_Samples_HF H5T_C_S1 59						
Longitude [0,360]: 0 is Greenwich comment meridian (accuracy 1km) H5T_C_S1 59 Number_of_Scans, dimension_label Number_of_Samples_HF H5T_C_S1 59						
comment meridian (accuracy 1km) H5T_C_S1 59 Number_of_Scans, Number_of_Scans, H5T_C_S1 59			_FillValue	65535	H5T_C_S1	6
Number_of_Scans, dimension_label Number_of_Samples_HF H5T_C_S1 59						
Number_of_Scans, dimension_label Number_of_Samples_HF H5T_C_S1 59			comment	meridian (accuracy 1km)	H5T_C_S1	59
				Number_of_Scans,		
CLASS IMAGE H5T_C_S1 6						
			CLASS	IMAGE	H5T_C_S1	6

		IMAGE SUBCLASS	IMAGE_GRAYSCALE	H5T C S1	16
		IMAGE MINMAXRANGE	[0,36000]	H5T STD U16LE	4
1.129		IncidenceAngle_Samples_LF	H5T_STD_I8LE	Number_of_Scans>	<u> </u>
		Attributes	_ 		
		Name	Value	Туре	Size
			Incidence angle at the center of	,	
		long_name	samples	H5T_C_S1	52
		standard_name	incidence_angle	H5T_C_S1	16
		units	degrees	H5T C S1	8
		scale factor	0.01	H5T C S1	5
		add_offset	53.0	H5T_C_S1	5
	#17	valid_range	[51.72,54.27]	H5T_C_S1	14
		_FillValue	127	H5T_C_S1	4
		comment	angle between zenith and line of sight	H5T_C_S1	39
		dinamaian labal	Number_of_Scans,	LIET C C1	59
		dimension label	Number of Samples LF Latitude Samples LF,	H5T C S1	59
		geolocation label	Longitude_Samples_LF	H5T_C_S1	78
		CLASS	IMAGE	H5T C S1	6
		IMAGE SUBCLASS	IMAGE_GRAYSCALE	H5T C S1	16
		IMAGE MINMAXRANGE	[-128,127]	H5T STD I8LE	2
1.129		IncidenceAngle_Samples_MF	H5T_STD_I8LE	Number_of_Scans>	
		Attributes			
		Name	Value	Туре	Size
			Incidence angle at the center of		
		long name	samples	H5T C S1	52
		standard name	incidence_angle	H5T C S1	16
		units	degrees	H5T C S1	8
		scale factor	0.01	H5T C S1	5
	#18	add_offset	53.0	H5T_C_S1	5
	#10	valid_range	[51.72,54.27] 127	H5T_C_S1	14
		_FillValue	angle between zenith and line of sight	H5T_C_S1	4
		comment	Number_of_Scans,	H5T_C_S1	39
		dimension label	Number of Samples MF	H5T C S1	59
			Latitude Samples LF,		
		geolocation_label	Longitude_Samples_LF	H5T_C_S1	78
		CLASS	IMAGE	H5T C S1	6
		IMAGE SUBCLASS	IMAGE_GRAYSCALE	H5T_C_S1	16
		IMAGE_MINMAXRANGE	[-128,127]	H5T_STD_I8LE	2
2.259		IncidenceAngle_Samples_HF	H5T_STD_I8LE	Number_of_Scans>	
		Attributes	16-1	T	Ci
		Name	Value Incidence angle at the center of	Туре	Size
		long name	samples	H5T C S1	52
		standard name	incidence_angle	H5T C S1	16
		units	degrees	H5T C S1	8
	#19	scale_factor	0.01	H5T C S1	5
	#19	add offset	53.0	H5T_C_S1	5
		valid_range	[51.72,54.27]	H5T C S1	14
		FillValue	127	H5T_C_S1	4
		comment	angle between zenith and line of sight	H5T C S1	39
			Number of Scans,		
		dimension_label	Number of Samples HF	H5T_C_S1	59
		goologation label	Latitude_Samples_LF,	HET C C1	70
		geolocation_label	Longitude Samples LF	H5T_C_S1	78

		CLASS	IMAGE	H5T C S1	6
		IMAGE_SUBCLASS	IMAGE_GRAYSCALE	H5T_C_S1	16
		IMAGE_MINMAXRANGE	[-128,127]	H5T_STD_I8LE	2
2.259		TB_Samples_18.7_H	H5T_STD_U16LE	Number_of_Scans>	
		Attributes			
		Name	Value	Туре	Size
			Samples brightness temperatures at		
		long_name	18.7_H	H5T_C_S1	53
		standard name	brightness_temperature	H5T C S1	23
		units	Kelvin	H5T C S1	7
		scale_factor	0.01	H5T_C_S1	5
		add_offset	0.0	H5T_C_S1	4
		valid_range	[0,400]	H5T_C_S1	8
	#20	_FillValue	65535	H5T_C_S1	6
	#20	quality_flag	QF_Samples_18.7_H	H5T C S1	44
		comment	TB estimated from raw instrumental measurements (see additionnal geometrical information in attributes of MADRAS)	H5T_C_S1	88
		dimension label	Number_of_Scans, Number of Samples LF	H5T C S1	56
		uniension_laber	Latitude Samples LF,	H31_C_31	30
		geolocation label	Longitude Samples LF	H5T C S1	78
		CLASS	IMAGE	H5T C S1	6
		IMAGE SUBCLASS	IMAGE GRAYSCALE	H5T C S1	16
		IMAGE MINMAXRANGE	[0,40000]	H5T STD U16LE	4
2.259		TB_Samples_18.7_V	H5T_STD_U16LE	Number of Scans>	
		Attributes			
		Name	Value	Туре	Size
			Samples brightness temperatures at		
		long_name	18.7_V brightness temperature	H5T_C_S1	53
		standard name	Infightness temperature		
				H5T_C_S1	23
		units	Kelvin	H5T_C_S1	7
		units scale_factor	Kelvin 0.01	H5T_C_S1 H5T_C_S1	7 5
		units scale_factor add_offset	Kelvin 0.01 0.0	H5T_C_S1 H5T_C_S1 H5T_C_S1	7 5 4
		units scale_factor add_offset valid_range	Kelvin 0.01 0.0 [0,400]	H5T C S1 H5T C S1 H5T C S1 H5T C S1	7 5 4 8
	#21	units scale_factor add_offset valid_range FillValue	Kelvin 0.01 0.0 [0,400] 65535	H5T C S1 H5T C S1 H5T C S1 H5T C S1 H5T C S1	7 5 4 8 6
	#21	units scale_factor add_offset valid_range	Kelvin 0.01 0.0 [0,400] 65535 QF_Samples_18.7_V	H5T C S1 H5T C S1 H5T C S1 H5T C S1	7 5 4 8
	#21	units scale factor add offset valid range FillValue quality flag	Kelvin 0.01 0.0 [0,400] 65535 QF_Samples_18.7_V TB estimated from raw instrumental measurements (see additionnal geometrical information in attributes of	H5T C S1 H5T C S1 H5T C S1 H5T C S1 H5T C S1 H5T C S1	7 5 4 8 6 44
	#21	units scale_factor add_offset valid_range FillValue	Kelvin 0.01 0.0 [0,400] 65535 QF_Samples_18.7_V TB estimated from raw instrumental measurements (see additionnal geometrical information in attributes of MADRAS)	H5T C S1 H5T C S1 H5T C S1 H5T C S1 H5T C S1	7 5 4 8 6
	#21	units scale factor add offset valid range FillValue quality flag	Kelvin 0.01 0.0 [0,400] 65535 QF_Samples_18.7_V TB estimated from raw instrumental measurements (see additionnal geometrical information in attributes of MADRAS) Number_of_Scans, Number_of_Samples_LF	H5T C S1 H5T C S1 H5T C S1 H5T C S1 H5T C S1 H5T C S1	7 5 4 8 6 44
	#21	units scale_factor add_offset valid_range FillValue quality_flag comment dimension_label	Kelvin 0.01 0.0 [0,400] 65535 QF_Samples_18.7_V TB estimated from raw instrumental measurements (see additionnal geometrical information in attributes of MADRAS) Number_of_Scans, Number_of_Samples_LF Latitude_Samples_LF,	H5T C S1	7 5 4 8 6 44 88
	#21	units scale_factor add_offset valid_range FillValue quality_flag comment dimension_label geolocation_label	Kelvin 0.01 0.0 [0,400] 65535 QF_Samples_18.7_V TB estimated from raw instrumental measurements (see additionnal geometrical information in attributes of MADRAS) Number_of_Scans, Number_of_Scans, Number_of_Samples_LF Latitude_Samples_LF, Longitude_Samples_LF	H5T C S1	7 5 4 8 6 44 88 56
	#21	units scale_factor add_offset valid_range FillValue quality flag comment dimension_label geolocation_label CLASS	Kelvin 0.01 0.0 [0,400] 65535 QF_Samples_18.7 V TB estimated from raw instrumental measurements (see additionnal geometrical information in attributes of MADRAS) Number_of_Scans, Number_of_Samples_LF Latitude_Samples_LF, Longitude_Samples_LF	H5T C S1	7 5 4 8 6 44 88 56 78
	#21	units scale_factor add_offset valid_range FillValue quality_flag comment dimension_label geolocation_label CLASS IMAGE_SUBCLASS	Kelvin 0.01 0.0 [0,400] 65535 QF_Samples_18.7 V TB estimated from raw instrumental measurements (see additionnal geometrical information in attributes of MADRAS) Number_of_Scans, Number_of_Samples_LF Latitude_Samples_LF, Longitude_Samples_LF, IMAGE IMAGE_GRAYSCALE	H5T C S1	7 5 4 8 6 44 88 56 78 6
2.259	#21	units scale_factor add_offset valid_range FillValue quality_flag comment dimension_label geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE	Kelvin 0.01 0.0 [0,400] 65535 QF_Samples_18.7 V TB estimated from raw instrumental measurements (see additionnal geometrical information in attributes of MADRAS) Number_of_Scans, Number_of_Samples_LF Latitude_Samples_LF, Longitude_Samples_LF IMAGE IMAGE_GRAYSCALE [0,40000]	H5T C S1	7 5 4 8 6 44 88 56 78
2.259	#21	units scale_factor add_offset valid_range FillValue quality flag comment dimension_label geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE TB_Samples_23.8_V	Kelvin 0.01 0.0 [0,400] 65535 QF_Samples_18.7 V TB estimated from raw instrumental measurements (see additionnal geometrical information in attributes of MADRAS) Number_of_Scans, Number_of_Samples_LF Latitude_Samples_LF, Longitude_Samples_LF, IMAGE IMAGE_GRAYSCALE	H5T C S1	7 5 4 8 6 44 88 56 78 6
2.259	#21	units scale_factor add_offset valid_range FillValue quality flag comment dimension_label geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE TB_Samples_23.8_V Attributes	Kelvin 0.01 0.0 [0,400] 65535 QF_Samples_18.7_V TB estimated from raw instrumental measurements (see additionnal geometrical information in attributes of MADRAS) Number_of_Scans, Number_of_Samples_LF Latitude_Samples_LF, Longitude_Samples_LF, IMAGE IMAGE_GRAYSCALE [0,40000] H5T_STD_U16LE	H5T C S1	7 5 4 8 6 44 88 56 78 6 16 4
2.259		units scale_factor add_offset valid_range FillValue quality flag comment dimension_label geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE TB_Samples_23.8_V	Kelvin 0.01 0.0 [0,400] 65535 QF_Samples_18.7 V TB estimated from raw instrumental measurements (see additionnal geometrical information in attributes of MADRAS) Number_of_Scans, Number_of_Samples_LF Latitude_Samples_LF, Longitude_Samples_LF, IMAGE IMAGE_IMAGE_GRAYSCALE [0,40000] H5T_STD_U16LE	H5T C S1	7 5 4 8 6 44 88 56 78 6
2.259	#21	units scale_factor add_offset valid_range FillValue quality flag comment dimension_label geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE TB_Samples_23.8_V Attributes	Kelvin 0.01 0.0 [0,400] 65535 QF_Samples_18.7 V TB estimated from raw instrumental measurements (see additionnal geometrical information in attributes of MADRAS) Number of Scans, Number of Samples_LF Latitude_Samples_LF, Longitude_Samples_LF IMAGE IMAGE IMAGE_GRAYSCALE [0,40000] H5T_STD_U16LE Value Samples brightness temperatures at 23.8 V	H5T C S1	7 5 4 8 6 44 88 56 78 6 16 4
2.259		units scale_factor add_offset valid_range FillValue quality flag comment dimension_label geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE TB_Samples_23.8_V Attributes Name	Kelvin 0.01 0.0 [0,400] 65535 QF_Samples_18.7 V TB estimated from raw instrumental measurements (see additionnal geometrical information in attributes of MADRAS) Number_of_Scans, Number_of_Samples_LF Latitude_Samples_LF, Longitude_Samples_LF, IMAGE IMAGE_GRAYSCALE [0,40000] H5T_STD_U16LE Value Samples brightness temperatures at	H5T C S1	7 5 4 8 6 44 88 56 78 6 16 4 Size
2.259		units scale_factor add_offset valid_range	Kelvin 0.01 0.0 [0,400] 65535 QF_Samples_18.7 V TB estimated from raw instrumental measurements (see additionnal geometrical information in attributes of MADRAS) Number of Scans, Number of Samples_LF Latitude_Samples_LF, Longitude_Samples_LF IMAGE IMAGE IMAGE_GRAYSCALE [0,40000] H5T_STD_U16LE Value Samples brightness temperatures at 23.8 V	H5T C S1	7 5 4 8 6 44 88 56 78 6 16 4

	add_offset valid_range FillValue quality flag comment	0.0 [0,400] 65535 QF_Samples_23.8_V TB estimated from raw instrumental measurements (see additionnal geometrical information in attributes of	H5T_C S1 H5T_C S1 H5T C S1 H5T C S1	4 8 6 44
	FillValue quality flag	65535 QF_Samples_23.8_V TB estimated from raw instrumental measurements (see additionnal	H5T C S1	6
	quality flag	QF_Samples_23.8_V TB estimated from raw instrumental measurements (see additionnal		
		TB estimated from raw instrumental measurements (see additionnal		44
		TB estimated from raw instrumental measurements (see additionnal		
	comment			
		MADRAS) Number of Scans,	H5T_C_S1	88
	dimension_label	Number_of_Samples_LF	H5T_C_S1	56
	geolocation_label	Latitude_Samples_LF, Longitude_Samples_LF	H5T_C_S1	78
	CLASS	IMAGE	H5T_C_S1	6
	IMAGE SUBCLASS	IMAGE_GRAYSCALE	H5T C S1	16
	IMAGE MINMAXRANGE	[0,40000]	H5T STD U16LE	4
	TB Samples 36.5 H	H5T STD U16LE	Number of Scans>	·
	Attributes	1101_010_01011	itamber_er_ecanor	
	Name	Value	Tuna	Size
	Name	Samples brightness temperatures at	Туре	3126
	long_name	36.5_H	H5T_C_S1	53
	standard name	brightness_temperature	H5T C S1	23
	units	Kelvin	H5T C S1	7
	scale factor	0.01	H5T C S1	5
	add offset	0.0	H5T C S1	4
		[0.400]		8
	valid_range	65535	H5T C S1	
#23	_FillValue		H5T_C_S1	6
	quality_flag	QF_Samples_36.5_H	H5T_C_S1	44
	comment	TB estimated from raw instrumental measurements (see additionnal geometrical information in attributes of MADRAS)	H5T_C_S1	88
	dimension_label	Number_of_Scans, Number_of_Samples_LF	H5T_C_S1	56
		Latitude_Samples_LF,		
	geolocation_label	Longitude Samples LF	H5T C S1	78
	CLASS	IMAGE	H5T_C_S1	6
	IMAGE SUBCLASS	IMAGE_GRAYSCALE	H5T_C_S1	16
	IMAGE MINMAXRANGE	[0,40000]	H5T STD U16LE	4
	TB Samples 36.5 V	H5T STD U16LE	Number of Scans>	
	Attributes	·		
	Name	Value	Туре	Size
		Samples brightness temperatures at 36.5 V		
	long name		H5T_C_S1	53
	standard_name	brightness_temperature	H5T_C_S1	23
	units	Kelvin	H5T_C_S1	7
	scale_factor	0.01	H5T_C_S1	5
#24	add_offset	0.0	H5T_C_S1	4
	valid range	[0,400]	H5T_C_S1	8
	FillValue	65535	H5T C S1	6
		QF Samples 36.5 V	H5T C S1	44
	Iduality flad			
	quality flag	TB estimated from raw instrumental measurements (see additionnal		
	quality flag comment	TB estimated from raw instrumental	H5T C S1	88

scale factor

H5T C S1

5

2.259

			Latitude Samples LF,		
		geolocation label	Longitude Samples LF	H5T C S1	78
		CLASS	IMAGE	H5T C S1	6
		IMAGE SUBCLASS	IMAGE GRAYSCALE	H5T C S1	16
		IMAGE MINMAXRANGE	[0,40000]	H5T STD U16LE	4
2.259		TB_Samples_89.0_H	H5T_STD_U16LE	Number_of_Scans>	
		Attributes			
		Name	Value	Туре	Size
			Samples brightness temperatures at		
		long_name	89.0_H	H5T_C_S1	53
		standard_name	brightness_temperature	H5T_C_S1	23
		units	Kelvin	H5T_C_S1	7
		scale_factor	0.01	H5T_C_S1	5
		add_offset		H5T_C_S1	4
		valid range	[0,400]	H5T C S1	8
	#25	FillValue	65535	H5T C S1	6
	#25	quality flag		H5T C S1	44
			TB estimated from raw instrumental		
			measurements (see additionnal		
		commont	geometrical information in attributes of MADRAS)	H5T C S1	88
		comment	Number of Scans,	H31_C_31	00
		dimension label	Number of Samples MF	H5T C S1	56
			Latitude Samples MF,		
		geolocation label	Longitude Samples MF	H5T C S1	78
		CLASS	IMAGE	H5T C S1	6
		IMAGE SUBCLASS	IMAGE GRAYSCALE	H5T C S1	16
		IMAGE MINMAXRANGE	[0,40000]	H5T STD U16LE	4
2.259		TB Samples 89.0 V	H5T_STD_U16LE	Number of Scans	
		Attributes		<u> </u>	
		Name	Value	Туре	Size
			Samples brightness temperatures at		
		long_name	89.0_V	H5T_C_S1	53
		standard_name	brightness_temperature	H5T_C_S1	23
		units	Kelvin	H5T_C_S1	7
		scale_factor	0.01	H5T_C_S1	5
		add_offset	0.0	H5T_C_S1	4
		valid range	[0,400]	H5T C S1	8
	#26	FillValue		H5T C S1	6
	#20	quality_flag	QF_Samples_89.0_V	H5T_C_S1	44
			TB estimated from raw instrumental		
			measurements (see additionnal geometrical information in attributes of		
		comment	MADRAS)	H5T C S1	88
		comment	Number_of_Scans,		
		dimension label	Number of Samples MF	H5T C S1	56
		dimension_label	1		
		umension laber	Latitude_Samples_MF,		
		geolocation label	Latitude_Samples_MF, Longitude_Samples_MF	H5T C S1	78
			Latitude_Samples_MF, Longitude_Samples_MF IMAGE	H5T_C_S1	6
		geolocation label	Latitude_Samples_MF, Longitude_Samples_MF IMAGE IMAGE_GRAYSCALE	H5T_C_S1 H5T_C_S1	
		geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE	Latitude_Samples_MF, Longitude_Samples_MF IMAGE IMAGE_GRAYSCALE [0,40000]	H5T_C_S1 H5T_C_S1 H5T_STD_U16LE	6
4.517		geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE TB_Samples_157.0_H	Latitude_Samples_MF, Longitude_Samples_MF IMAGE IMAGE_GRAYSCALE	H5T_C_S1 H5T_C_S1	6 16
4.517		geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE	Latitude_Samples_MF, Longitude_Samples_MF IMAGE IMAGE_GRAYSCALE [0,40000]	H5T_C_S1 H5T_C_S1 H5T_STD_U16LE	6 16
4.517	#27	geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE TB_Samples_157.0_H	Latitude_Samples_MF, Longitude_Samples_MF IMAGE IMAGE_GRAYSCALE [0,40000] H5T_STD_U16LE Value	H5T_C_S1 H5T_C_S1 H5T_STD_U16LE	6 16
4.517	#27	geolocation label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE TB_Samples_157.0_H Attributes	Latitude_Samples_MF, Longitude_Samples_MF IMAGE IMAGE_GRAYSCALE [0,40000] H5T_STD_U16LE Value Samples brightness temperatures at	H5T C S1 H5T C S1 H5T_STD_U16LE Number_of_Scans>	6 16 4

	standard name	brightness temperature	H5T C S1	23
	units	Kelvin	H5T C S1	7
	scale factor	0.01	H5T_C_S1	5
	add offset	0.0	H5T C S1	4
	valid range	[0,400]	H5T C S1	8
	FillValue	65535	H5T C S1	6
	quality flag	QFSamples_157.0_H	H5T C S1	44
	quality_liag	TB estimated from raw instrumental	H31_C_31	44
		measurements (see additionnal		
		geometrical information in attributes of		
	comment	MADRAS)	H5T_C_S1	88
	dimension label	Number_of_Scans, Number of Samples HF	H5T C S1	56
		Latitude_Samples_HF,		
	geolocation_label	Longitude_Samples_HF	H5T_C_S1	78
	CLASS	IMAGE	H5T_C_S1	6
	IMAGE SUBCLASS	IMAGE_GRAYSCALE	H5T C S1	16
	IMAGE MINMAXRANGE	[0,40000]	H5T STD U16LE	4
	TB_Samples_157.0_V	H5T_STD_U16LE	Number_of_Scans>	
	Attributes			
	Name	Value	Туре	Size
		Samples brightness temperatures at		
	long name	157.0 V	H5T C S1	53
	standard_name	brightness_temperature	H5T_C_S1	23
	units	Kelvin	H5T_C_S1	7
	scale_factor	0.01	H5T_C_S1	5
	add_offset	0.0	H5T_C_S1	4
	valid_range	[0,400]	H5T_C_S1	8
#28	_FillValue	65535	H5T_C_S1	6
#20	quality_flag	QF_Samples_157.0_V	H5T_C_S1	44
		TB estimated from raw instrumental measurements (see additionnal geometrical information in attributes of		
	comment	MADRAS)	H5T C S1	88
	dimension_label	Number_of_Scans, Number_of_Samples_HF	H5T_C_S1	56
		Latitude_Samples_HF,	LIET C CI	70
	geolocation_label	Longitude Samples HF	H5T_C_S1	78
	CLASS	-	H5T_C_S1	6
	IMAGE_SUBCLASS	IMAGE_GRAYSCALE	H5T_C_S1	16
	IMAGE_MINMAXRANGE	[0,40000]	H5T_STD_U16LE	4
	QF_Samples_18.7_H	H5T_STD_U16LE	Number_of_Scans>	
	Attributes	Notice.	Tura	Ci=-
	Name	Value	Туре	Size
	long name	Quality Flag of sample for channel 18.7	H5T C S1	71
	standard name	quality flag	H5T C S1	13
	Standard_Hame	16-bits array (=0:good / =1:bad):,	1131_C_31	10
#29		#15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6:		
	comment	calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag	H5T_C_S1	1

			Number of Scans,		
		dimension label	Number of Samples LF	H5T C S1	56
			Latitude Samples LF,		
		geolocation label	Longitude Samples LF	H5T C S1	78
		CLASS	IMAGE	H5T C S1	6
		IMAGE SUBCLASS	IMAGE GRAYSCALE	H5T C S1	16
		IMAGE MINMAXRANGE	[0,8000]	H5T STD U16LE	4
2.259		QF_Samples_18.7_V	H5T STD U16LE	Number of Scans	-
2.233		Attributes	1131_312_01022	ivamber_or_scans/	
		Name	Value	Tuno	Size
		ivame	Quality Flag of sample for channel 18.7	Туре	3126
		long name	V	H5T C S1	71
		standard name	quality flag	H5T C S1	13
		Standard_name		H31_C 31	13
			16-bits array (=0:good / =1:bad):,		
			#15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12:		
			surface type, #11:Channel ON/OFF		
			status, #10:Level 0 count error, #9		
	#30		Level 0 hot or cold error, #8:		
			geolocation poor estimation, #7-6:		
			calibration flag, #5-4: TB corrected,		
			#3: interpolation quality, #2: AGC/AOC		
		comment	loop, #1-0:ice flag	H5T C S1	1
			Number of Scans,		
		dimension_label	Number_of_Samples_LF	H5T_C_S1	56
			Latitude_Samples_LF,		
		geolocation_label	Longitude_Samples_LF	H5T_C_S1	78
		CLASS	IMAGE	H5T_C_S1	6
		IMAGE_SUBCLASS	IMAGE_GRAYSCALE	H5T_C_S1	16
		IMAGE MINMAXRANGE	[0,8000]	H5T STD U16LE	4
		IMAGE_MINMAXKANGE	[[0,0000]	LUDI 21D OTOFE	4
2.259		QF_Samples_23.8_V	H5T_STD_U16LE	Number_of_Scans>	4
2.259					4
2.259		QF_Samples_23.8_V		Number_of_Scans>	Size
2.259		QF_Samples_23.8_V Attributes	H5T_STD_U16LE		
2.259		QF_Samples_23.8_V Attributes	H5T_STD_U16LE Value	Number_of_Scans>	
2.259		QF_Samples_23.8_V Attributes Name	H5T_STD_U16LE Value Quality Flag of sample for channel 23.8	Number_of_Scans>	Size
2.259		QF_Samples_23.8_V Attributes Name	Value Quality Flag of sample for channel 23.8 V quality flag	Type H5T C S1	<i>Size</i> 71
2.259		QF_Samples_23.8_V Attributes Name	H5T_STD_U16LE Value Quality Flag of sample for channel 23.8 V	Type H5T C S1	<i>Size</i> 71
2.259		QF_Samples_23.8_V Attributes Name	Value Quality Flag of sample for channel 23.8 V quality flag 16-bits array (=0:good / =1:bad):,	Type H5T C S1	<i>Size</i> 71
2.259		QF_Samples_23.8_V Attributes Name	Value Quality Flag of sample for channel 23.8 V quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint , #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF	Type H5T C S1	<i>Size</i> 71
2.259		QF_Samples_23.8_V Attributes Name	Value Quality Flag of sample for channel 23.8 V quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9	Type H5T C S1	<i>Size</i> 71
2.259	#31	QF_Samples_23.8_V Attributes Name	Value Quality Flag of sample for channel 23.8 V quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8:	Type H5T C S1	<i>Size</i> 71
2.259	#31	QF_Samples_23.8_V Attributes Name	Value Quality Flag of sample for channel 23.8 V quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint , #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error , #8: geolocation poor estimation, #7-6:	Type H5T C S1	<i>Size</i> 71
2.259	#31	QF_Samples_23.8_V Attributes Name	Value Quality Flag of sample for channel 23.8 V quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint , #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error , #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected,	Type H5T C S1	<i>Size</i> 71
2.259	#31	QF_Samples_23.8_V Attributes Name long_name standard_name	Value Quality Flag of sample for channel 23.8 V quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error , #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation guality, #2: AGC/AOC	Type H5T_C_S1 H5T_C_S1	Size 71 13
2.259	#31	QF_Samples_23.8_V Attributes Name	Value Quality Flag of sample for channel 23.8 V quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag	Type H5T C S1	<i>Size</i> 71
2.259	#31	QF_Samples_23.8_V Attributes Name long_name standard_name	Value Quality Flag of sample for channel 23.8 V quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error , #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number_of_Scans,	Type H5T_C_S1 H5T_C_S1	Size 71 13
2.259	#31	QF_Samples_23.8_V Attributes Name long_name standard_name	Value Quality Flag of sample for channel 23.8 V quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number_of_Scans, Number_of_Scans, Number of Samples LF	Type H5T_C_S1 H5T_C_S1	Size 71 13
2.259	#31	QF_Samples_23.8_V Attributes Name long_name standard_name comment dimension_label	Value Quality Flag of sample for channel 23.8 V quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error , #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number_of_Scans, Number_of_Scans, Number of Samples LF Latitude_Samples_LF,	Type H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1	Size 71 13
2.259	#31	QF_Samples_23.8_V Attributes Name long_name standard_name comment dimension_label geolocation_label	Value Quality Flag of sample for channel 23.8 V quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number_of_Scans, Number of Samples LF Latitude_Samples_LF, Longitude_Samples_LF	Type H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1	Size 71 13 1 1 56 78
2.259	#31	QF_Samples_23.8_V Attributes Name long_name standard_name comment dimension_label geolocation_label CLASS	Value Quality Flag of sample for channel 23.8 V quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number of Samples LF Latitude_Samples LF, Longitude_Samples_LF	Type H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1	Size 71 13 1 56 78 6
2.259	#31	QF_Samples_23.8_V Attributes Name long_name standard_name comment dimension_label geolocation_label CLASS IMAGE_SUBCLASS	Value Quality Flag of sample for channel 23.8 V quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number of Samples LF Latitude_Samples LF Latitude_Samples_LF, Longitude_Samples_LF IMAGE IMAGE	Type H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1	Size 71 13 1 56 78 6 16
	#31	QF_Samples_23.8_V Attributes Name long_name standard_name comment dimension_label geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE	Value Quality Flag of sample for channel 23.8 V quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error , #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number of Samples LF Latitude_Samples_LF, Longitude_Samples_LF IMAGE IMAGE_GRAYSCALE [0,8000]	Type H5T_C_S1	Size 71 13 1 56 78 6
2.259	#31	QF_Samples_23.8_V Attributes Name long_name standard_name comment dimension_label geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE QF_Samples_36.5_H	Value Quality Flag of sample for channel 23.8 V quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number of Samples LF Latitude_Samples LF Latitude_Samples_LF, Longitude_Samples_LF IMAGE IMAGE	Type H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1	Size 71 13 1 56 78 6 16
		QF_Samples_23.8_V Attributes Name long_name standard_name comment dimension_label geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE QF_Samples_36.5_H Attributes	Value Quality Flag of sample for channel 23.8 V quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number_of_Scans, Number of Samples LF Latitude_Samples_LF, Longitude_Samples_LF IMAGE IMAGE_GRAYSCALE [0,8000] H5T_STD_U16LE	Type H5T_C_S1 H5T_C_S1	Size 71 13 1 56 78 6 16 4
	#31	QF_Samples_23.8_V Attributes Name long_name standard_name comment dimension_label geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE QF_Samples_36.5_H	Value Quality Flag of sample for channel 23.8 V quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number_of_Scans, Number of Samples LF Latitude_Samples_LF, Longitude_Samples_LF IMAGE Value	Type H5T_C_S1	Size 71 13 1 56 78 6 16
		QF_Samples_23.8_V Attributes Name long_name standard_name comment dimension_label geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE QF_Samples_36.5_H Attributes	Value Quality Flag of sample for channel 23.8 V quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number_of_Scans, Number of Samples LF Latitude_Samples_LF, Longitude_Samples_LF IMAGE IMAGE_GRAYSCALE [0,8000] H5T_STD_U16LE	Type H5T_C_S1 H5T_C_S1	Size 71 13 1 56 78 6 16 4

		aton doud name	quality flag	LIET C C1	12
		standard_name	quality flag	H5T_C_S1	13
			16-bits array (=0:good / =1:bad):,		
			#15:TB validity flag, #14:sun glint,		
			#13: Land/Sea contamination, #12:		
			surface type, #11:Channel ON/OFF		
			status, #10:Level 0 count error, #9		
			Level 0 hot or cold error, #8:		
			geolocation poor estimation, #7-6:		
			calibration flag, #5-4: TB corrected,		
			#3: interpolation quality, #2: AGC/AOC		
		comment	loop, #1-0:ice flag	H5T C S1	1
			Number of Scans,		
		dimension label	Number of Samples LF	H5T C S1	56
			Latitude Samples LF,		
		geolocation label	Longitude Samples LF	H5T_C_S1	78
		CLASS	IMAGE	H5T C S1	6
		IMAGE SUBCLASS	IMAGE GRAYSCALE	H5T C S1	16
		IMAGE MINMAXRANGE	[0,8000]	H5T STD U16LE	4
2.259		QF Samples 36.5 V	H5T STD U16LE	Number_of_Scans>	7
2.233		Attributes	1131_31D_010EE	intarriber_or_ocaris)	
			Makus	Tunn	Cina
		Name	Value	Туре	Size
		lang name	Quality Flag of sample for channel 36.5	LIET C C1	71
		long name	V	H5T C S1	71
		standard_name	quality flag	H5T_C_S1	13
			16-bits array (=0:good / =1:bad):,		
			#15:TB validity flag, #14:sun glint,		
			#13: Land/Sea contamination, #12:		
			surface type, #11:Channel ON/OFF		
	#20		status, #10:Level 0 count error, #9		
	#33		Level 0 hot or cold error, #8:		
			geolocation poor estimation, #7-6:		
			calibration flag, #5-4: TB corrected,		
			#3: interpolation quality, #2: AGC/AOC		
		comment	loop, #1-0:ice flag	H5T_C_S1	1
			Number_of_Scans,		
		dimension_label	Number_of_Samples_LF	H5T_C_S1	56
			Latitude_Samples_LF,		
		geolocation_label	Longitude_Samples_LF	H5T_C_S1	78
		CLASS	IMAGE	H5T_C_S1	6
		IMAGE_SUBCLASS	IMAGE_GRAYSCALE	H5T_C_S1	16
		IMAGE_MINMAXRANGE	[0,8000]	H5T_STD_U16LE	4
2.259		QF_Samples_89.0_H	H5T_STD_U16LE	Number_of_Scans>	
		Attributes	- 	- -	
		Name	Value	Туре	Size
			Quality Flag of sample for channel 89.0		
		long name	H	H5T C S1	71
		standard name	quality flag	H5T C S1	13
			16-bits array (=0:good / =1:bad):,		
	#34		#15:TB validity flag, #14:sun glint,		
	#34		#13: Land/Sea contamination, #12:		
			surface type, #11:Channel ON/OFF		
			status, #10:Level 0 count error, #9		
			Level 0 hot or cold error, #8:		
			geolocation poor estimation, #7-6:		
			calibration flag, #5-4: TB corrected,		
			#3: interpolation quality, #2: AGC/AOC		
		comment	loop, #1-0:ice flag	H5T C S1	1
		Comment	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	1131_C_31	1

			Number of Coope		
		dimension John	Number_of_Scans,	HET C C1	EG
		dimension label	Number of Samples MF	H5T_C_S1	56
			Latitude_Samples_MF, Longitude Samples MF	UET 6 61	70
		geolocation_label	IMAGE	H5T_C_S1	78
		CLASS		H5T_C_S1	6
		IMAGE_SUBCLASS	IMAGE_GRAYSCALE	H5T_C_S1	16
		IMAGE_MINMAXRANGE	[0,8000]	H5T_STD_U16LE	4
2.259		QF_Samples_89.0_V	H5T_STD_U16LE	Number_of_Scans>	
		Attributes			
		Name	Value	Туре	Size
			Quality Flag of sample for channel 89.0	UET 6 61	
		long_name	V	H5T_C_S1	71
		standard_name	quality flag	H5T_C_S1	13
			16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint,		
			#13: Land/Sea contamination, #12:		
			surface type, #11:Channel ON/OFF		
	"25		status, #10:Level 0 count error, #9		
	#35		Level 0 hot or cold error, #8: geolocation poor estimation, #7-6:		
			calibration flag, #5-4: TB corrected,		
			#3: interpolation quality, #2: AGC/AOC		
		comment	loop, #1-0:ice flag	H5T C S1	1
		comment	Number of Scans,	1131_0_31	
		dimension_label	Number_of_Samples_MF	H5T_C_S1	56
			Latitude Samples MF,		
		geolocation label	Longitude_Samples_MF	H5T C S1	78
		CLASS	IMAGE	H5T C S1	6
		IMAGE SUBCLASS	IMAGE_GRAYSCALE	H5T C S1	16
		IMAGE_SUBCLASS IMAGE_MINMAXRANGE	[0,8000]		16 4
4.517				H5T_STD_U16LE	
4.517		IMAGE_MINMAXRANGE	[0,8000]		
4.517		IMAGE_MINMAXRANGE QF_Samples_157.0_H	[0,8000] H5T_STD_U16LE	H5T_STD_U16LE	
4.517		IMAGE_MINMAXRANGE QF_Samples_157.0_H Attributes	[0,8000] H5T_STD_U16LE Value Quality Flag of sample for channel	H5T STD U16LE Number_of_Scans>	4
4.517		IMAGE_MINMAXRANGE QF_Samples_157.0_H Attributes	[0,8000] H5T_STD_U16LE Value Quality Flag of sample for channel 157.0_H	H5T_STD_U16LE Number_of_Scans> Type H5T_C_S1	4 Size 71
4.517		IMAGE_MINMAXRANGE QF_Samples_157.0_H Attributes Name	[0,8000] H5T_STD_U16LE Value Quality Flag of sample for channel	H5T STD U16LE Number_of_Scans>	4 Size
4.517		IMAGE_MINMAXRANGE QF_Samples_157.0_H Attributes Name long_name	[0,8000] H5T_STD_U16LE Value Quality Flag of sample for channel 157.0_H quality flag 16-bits array (=0:good / =1:bad):,	H5T_STD_U16LE Number_of_Scans> Type H5T_C_S1	4 Size 71
4.517		IMAGE_MINMAXRANGE QF_Samples_157.0_H Attributes Name long_name	[0,8000] H5T_STD_U16LE Value Quality Flag of sample for channel 157.0_H quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint,	H5T_STD_U16LE Number_of_Scans> Type H5T_C_S1	4 Size 71
4.517		IMAGE_MINMAXRANGE QF_Samples_157.0_H Attributes Name long_name	[0,8000] H5T_STD_U16LE Value Quality Flag of sample for channel 157.0 H quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint , #13: Land/Sea contamination, #12:	H5T_STD_U16LE Number_of_Scans> Type H5T_C_S1	4 Size 71
4.517		IMAGE_MINMAXRANGE QF_Samples_157.0_H Attributes Name long_name	[0,8000] H5T_STD_U16LE Value Quality Flag of sample for channel 157.0 H quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint , #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF	H5T_STD_U16LE Number_of_Scans> Type H5T_C_S1	4 Size 71
4.517	#36	IMAGE_MINMAXRANGE QF_Samples_157.0_H Attributes Name long_name	[0,8000] H5T_STD_U16LE Value Quality Flag of sample for channel 157.0 H quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint , #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9	H5T_STD_U16LE Number_of_Scans> Type H5T_C_S1	4 Size 71
4.517	#36	IMAGE_MINMAXRANGE QF_Samples_157.0_H Attributes Name long_name	[0,8000] H5T_STD_U16LE Value Quality Flag of sample for channel 157.0 H quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8:	H5T_STD_U16LE Number_of_Scans> Type H5T_C_S1	4 Size 71
4.517	#36	IMAGE_MINMAXRANGE QF_Samples_157.0_H Attributes Name long_name	[0,8000] H5T_STD_U16LE Value Quality Flag of sample for channel 157.0_H quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint , #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error , #8: geolocation poor estimation, #7-6:	H5T_STD_U16LE Number_of_Scans> Type H5T_C_S1	4 Size 71
4.517	#36	IMAGE_MINMAXRANGE QF_Samples_157.0_H Attributes Name long_name	[0,8000] H5T_STD_U16LE Value Quality Flag of sample for channel 157.0 H quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC	H5T_STD_U16LE Number_of_Scans> Type H5T_C_S1	4 Size 71
4.517	#36	IMAGE_MINMAXRANGE QF_Samples_157.0_H Attributes Name long_name	[0,8000] H5T_STD_U16LE Value Quality Flag of sample for channel 157.0 H quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag	H5T_STD_U16LE Number_of_Scans> Type H5T_C_S1 H5T_C_S1	4 Size 71
4.517	#36	IMAGE_MINMAXRANGE QF_Samples_157.0_H Attributes Name long_name standard_name	[0,8000] H5T_STD_U16LE Value Quality Flag of sample for channel 157.0 H quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number_of_Scans,	H5T_STD_U16LE Number_of_Scans> Type H5T_C_S1 H5T_C_S1	4 Size 71 13
4.517	#36	IMAGE_MINMAXRANGE QF_Samples_157.0_H Attributes Name long_name standard_name	[0,8000] H5T_STD_U16LE Value Quality Flag of sample for channel 157.0 H quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint , #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error , #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number_of_Scans, Number_of_Samples_HF	H5T_STD_U16LE Number_of_Scans> Type H5T_C_S1 H5T_C_S1	4 Size 71 13
4.517	#36	IMAGE_MINMAXRANGE QF_Samples_157.0_H Attributes Name long_name standard_name comment dimension_label	[0,8000] H5T_STD_U16LE Value Quality Flag of sample for channel 157.0 H quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error , #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number_of_Scans, Number_of_Scamples_HF Latitude_Samples_HF,	H5T_STD_U16LE Number_of_Scans> Type H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1	4 Size 71 13
4.517	#36	IMAGE_MINMAXRANGE QF_Samples_157.0_H Attributes Name long_name standard_name comment dimension_label geolocation_label	[0,8000] H5T_STD_U16LE	H5T_STD_U16LE Number_of_Scans> Type H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1	4 Size 71 13 1 56 78
4.517	#36	IMAGE_MINMAXRANGE QF_Samples_157.0_H Attributes Name long_name standard_name comment dimension_label geolocation_label CLASS	[0,8000] H5T_STD_U16LE	H5T_STD_U16LE Number_of_Scans> Type H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1	1 56 78 6
4.517	#36	IMAGE_MINMAXRANGE QF_Samples_157.0_H Attributes Name long_name standard_name comment dimension_label geolocation_label CLASS IMAGE_SUBCLASS	[0,8000] H5T_STD_U16LE Value Quality Flag of sample for channel 157.0_H quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint , #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error , #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number of Scans, Number of Samples HF Latitude Samples HF, Longitude Samples HF IMAGE IMAGE	H5T_STD_U16LE Number_of_Scans> Type H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1	1 56 78 6 16
	#36	IMAGE_MINMAXRANGE QF_Samples_157.0_H Attributes Name long_name standard_name comment dimension_label geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE	[0,8000] H5T_STD_U16LE Value Quality Flag of sample for channel 157.0_H quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint , #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error , #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number of Scans, Number of Samples HF Latitude Samples HF, Longitude Samples HF IMAGE IMAGE IMAGE_GRAYSCALE [0,8000]	H5T_STD_U16LE Number_of_Scans> Type H5T_C_S1 H5T_C_S1	1 56 78 6
4.517		IMAGE_MINMAXRANGE QF_Samples_157.0_H Attributes Name long_name standard_name comment dimension_label geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE QF_Samples_157.0_V	[0,8000] H5T_STD_U16LE Value Quality Flag of sample for channel 157.0_H quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint , #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error , #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number of Scans, Number of Samples HF Latitude Samples HF, Longitude Samples HF IMAGE IMAGE	H5T_STD_U16LE Number_of_Scans> Type H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1	1 56 78 6 16
	#36	IMAGE_MINMAXRANGE QF_Samples_157.0_H Attributes Name long_name standard_name comment dimension_label geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE	[0,8000] H5T_STD_U16LE Value Quality Flag of sample for channel 157.0_H quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint , #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error , #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number of Scans, Number of Samples HF Latitude Samples HF, Longitude Samples HF IMAGE IMAGE IMAGE_GRAYSCALE [0,8000]	H5T_STD_U16LE Number_of_Scans> Type H5T_C_S1 H5T_C_S1	1 56 78 6 16

	Quality Flag of sample for channel		
long_name	157.0 V	H5T_C_S1	71
standard name	quality flag	H5T_C_S1	13
	16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC		
comment	loop, #1-0:ice flag	H5T_C_S1	1
dimension_label	Number_of_Scans, Number_of_Samples_HF	H5T_C_S1	56
geolocation_label	Latitude_Samples_HF, Longitude_Samples_HF	H5T_C_S1	78
CLASS	IMAGE	H5T_C_S1	6
IMAGE_SUBCLASS	IMAGE_GRAYSCALE	H5T_C_S1	16
IMAGE MINMAXRANGE	[0,8000]	H5T STD U16LE	4

MADRAS

L1A2

Estimated Size	for typical [Number_of_Scans]
21.850 Mb	[2467]

Science data group associated attributes

ScienceData

JOIOIN		Attributes		
Index	Name		Туре	Size
#1	Product Identification	MT1MADSL1A2_1.00_9_01_I_2012_05_09_000		84
#2	Organization Name		H5T C S1	5
#3	Property of data		H5T C S1	15
#4	Satellite Name		H5T_C_S1	16
#5	Payload Name	MADRAS	H5T C S1	12
#6	Product Name	Level-1A2-segment wise	H5T C S1	35
#7	Product Format	NCSA-HDF	H5T_C_S1	9
#8	Product Format Version	HDF5.1.6.4	H5T C S1	11
#9	Product_Generation_Date	2012MAI09	H5T C S1	10
#10	Imaging_Date	2012MAI09	H5T C S1	10
#11	Date_Format	YYYYMMMDD	H5T_C_S1	10
#12	INS_AuxFile_Version	9_01	H5T_C_S1	5
#13	PRO_AuxFile_Version	9_01	H5T_C_S1	5
#14	RAD_AuxFile_Version	9_01	H5T_C_S1	5
#15	GEO_AuxFile_Version	9_01	H5T_C_S1	5
#16	PCS_AuxFile_Version		H5T_C_S1	5
#17	SLC_AuxFile_Version	9_01	H5T_C_S1	5
#18	GRB_AuxFile_Version	9_01	H5T_C_S1	5
#19	UCS_AuxFile_Version	9_01	H5T_C_S1	5
#20	Number_of_Channels	9	H5T_C_S1	8
#21	Channel_CentralFrequency	18.7GHz 18.7GHz 23.8GHz 36.5GHz 36.5GHz	H5T_C_S1	74
#22	Channel_Polarization	HVVHVHV	H5T_C_S1	18
#23	Channel_Bandwith	100MHz 100MHz 200MHz 500MHz 500MHz 13		67
#24	Number_of_Resolutions		H5T_C_S1	8
#25	ChannelList_LF	18.7GHz 23.8GHz 36.5GHz	H5T_C_S1	24
#26	ChannelList_MF	89.0GHz	H5T_C_S1	8
#27	ChannelList_HF		H5T_C_S1	9
#28	Pixel_Size_LF		H5T_C_S1	16
#29	Pixel_Size_MF	[10.00,16.81]km	H5T_C_S1	16
#30	Pixel_Size_HF	[6.0,10.1]km	H5T_C_S1	13
#31	SunGlint_Limits	[0,30]degree	H5T_C_S1	13
#32	Orbit_StartNumber	00001	H5T_C_S1	19
#33	Orbit_EndNumber	00001	H5T_C_S1	17
#34	Orbit_Cycle_Number	01	H5T_C_S1	3
#35	SLConf		H5T_C_S1	7
#36	Nskip	0005	H5T_C_S1	5
#37	ProcessorVersion	1.00	H5T_C_S1	5

#38	MADRAS_QF_Scan_Definition	16-bits array (=0:good, =1:bad): #15:Scan/row validity flag, #14:pass type , #13:scanning type , #12:scan/row error , #11:datation error , #10:PRT error , #9:encoder error , #8 madras correction flag #7 to 6 blank , # 5 to 3:Payload mod , #2 to 0 :Satellite mod	H5T_C_S1	16x24
#39	MADRAS_QF_Pixel_Definition	16-bits array (=0:good / =1:bad):, #15:TB va	H5T_C_S1	16x24
#40	Skip_StartScanNumber	[00000064,00000165,00000266,00000367,00		1*Nskip
#41	Skip_EndScanNumber	[00000066,00000167,00000268,00000370,00		1*Nskip
#42	Flip_StartScanNumber	00000012	H5T_C_S1	9
#43	Flip_EndScanNumber	00000042	H5T_C_S1	9
#44	Maneuver_StartScanNumber	00000011	H5T_C_S1	9
#45	Maneuver_EndScanNumber	0000043	H5T_C_S1	9
#46	FirstScanNumber	0000000	H5T_C_S1	8
#47	Time_Pixel_Interval	4.2	H5T_C_S1	4
#48	Number_of_Pixels	214	H5T_C_S1	8
#49	Number_of_Scans	00002467	H5T_C_S1	8
#50	QF_Product_%Processed_Scans	099	H5T_C_S1	4

Science data group elements

Estimated size of dataset [Mb]	
0.005	

Index	Name	Туре	Typical Value	
	MADRAS_QF_scan	H5T_STD_U16LE	Number_of_Scans	
	Attributes			
	Name	Value	Туре	Size
	long_name	Quality flag applicable to the scan line	H5T C S1	41
#1		16-bits array (=0:good, =1:bad): #15:Scan/row validity flag, #14:pass type , #13:scanning type , #12:scan/row error , #11:datation error , #10:PRT error , #9:encoder error , #8 madras correction flag #7 to 6 blank , # 5 to 3:Payload mod , #2 to 0 :Satellite mod		
	comment		H5T_C_S1	29
		Number_of_Scans	H5T_C_S1	16
	geolocation_label	Scan_FirstPixelAcqTime	H5T_C_S1	54
	Scan_Number	H5T_STD_U16LE	Number_of_Scans	
#2	Attributes Name	Value	Tuno	Size
#2		Scan Number	Type	
	reng name	[0,65535]	H5T C S1	12
	valid_range	[נככככט,ט]	H5T_C_S1	10

min max	[0,65535]	H5T C S1	10
FillValue	65535	H5T C S1	6
- mrade	scan number from the first scan of the		
comment	product	H5T_C_S1	47
dimension label	Number of Scans	H5T C S1	16
0.005 Latitude Nadir	H5T_STD_U16LE	Number of Scans	
Attributes			
Name	Value	Туре	Size
long name	latitude of subsatellite point	H5T C S1	31
standard name	latitude	H5T C S1	9
units	degrees	H5T C S1	8
#3 scale factor	0.01	H5T C S1	5
add offset	-40.0	H5T_C_S1	6
valid range	[-40.0,40.0]	H5T C S1	13
	[0,8000]	H5T C S1	9
min_max	65535		6
_FillValue		H5T_C_S1	
comment	accuracy 1km	H5T_C_S1	13
dimension_label	Number_of_Scans	H5T_C_S1	16
0.005 Longitude_Nadir	H5T_STD_U16LE	Number_of_Scans	
Attributes			
Name	Value	Туре	Size
long_name	longitude of subsatellite point	H5T_C_S1	32
standard_name	longitude	H5T_C_S1	10
units	degrees	H5T_C_S1	8
#4	0.01	H5T_C_S1	5
add_offset	0.0	H5T_C_S1	4
valid_range	[0.0,360.0]	H5T_C_S1	12
min max	[0,36000]	H5T C S1	10
FillValue	65535	H5T C S1	6
	Longitude [0,360]: 0 is Greenwich		
comment	meridian (accuracy 1km)	H5T C S1	59
dimension label	Number of Scans	H5T C S1	16
0.005 Scan_HotLoadTemperature	H5T_STD_U16LE	Number of Scans	
Attributes			
Name	Value	Туре	Size
long name	Hot load temperature	H5T_C_S1	21
units	Kelvin	H5T C S1	7
	0.01		5
scale factor add offset	0.01	H5T C S1	4
#F	[0.0,400.0]	H5T_C_S1	
valid_tailge	[0,40000]	H5T_C_S1	12
min_max	65535	H5T_C_S1	10
_FillValue	Estimated average physical	H5T_C_S1	6
	temperature of the hot load used for TB		
comment	calculation	H5T_C_S1	79
dimension label	Number of Scans	H5T C S1	16
geolocation_label		H5T_C_S1	54
0.085 Scan_Gain		Number_of_Scans>	J-T
Attributes	1101_1000_1 3200		
Name	Value	Туре	Size
" -	Estimated gain		
		H5T_C_S1	15
units	count/K	H5T_C_S1	8
scale factor	1.0	LIET C C1	
add_offset	0.0	H5T_C_S1 H5T_C_S1	4

		valid range	[5.0,13.0]	H5T C S1	21
			[5.0,13.0]		21
		min_max	3.4E38	H5T_C_S1	7
		_FillValue	Estimated gain value applied to TB	H5T_C_S1	1
			calculation for each channels in the		
			following sequence: 18.7H, 18.7V, 23.8		
			V,36.5H, 36.5V, 89.0H, 89.0V, 157.0H,		
		comment	157.0V	H5T C S1	124
		dimension label	Number_of_Scans, Number_of_Channels	H5T C S1	36
0.085		Scan Offset	H5T_IEEE_F32LE	Number of Scans>	
		Name	Value	Туре	Size
		long name	Estimated offset	H5T C S1	17
		units	Kelvin	H5T C S1	7
		scale factor	1.0	H5T C S1	4
		add offset	0.0	H5T C S1	4
	#7	valid range	[0.0,150.0]	H5T C S1	23
	# /		[0.0,150.0]		
		min_max	3.4E38	H5T_C_S1	23 7
	}	FillValue	Estimated offset value used for TB	H5T_C_S1	1
			calculation for each channels in the		
			following sequence: 18.7H, 18.7V, 23.8		
			V,36.5H, 36.5V, 89.0H, 89.0V, 157.0H,		
		comment	157.0V	H5T C S1	113
		dimension label	Number_of_Scans, Number_of_Channels	H5T C S1	36
0.002		Scan FirstPixelAcqTime LF	H5T_C_S1	Number of Scans	
		Attributes			
		Name	Value	Type	Size
		long name	date of the first pixel	H5T C S1	45
	#8	standard name	time	H5T C S1	5
		units	UTC Time in microseconds	H5T C S1	25
		FillValue	yyyymmdd hhmmssuuuuu	H5T C S1	22
			format: yyyymmdd hhmmssuuuuuu	H5T C S1	30
		dimension label	Number of Scans	H5T C S1	16
0.002		Scan_FirstPixelAcqTime_MF	H5T_C_S1	Number of Scans	10
0.002	-	Attributes	1131_C_31	Nulliber_or_scalis	
	-	Name	Value	Tuno	Size
			date of the first pixel	Type	
	#9	long_name	time	H5T_C_S1	45
	#9	standard_name		H5T_C_S1	5
		units	UTC Time in microseconds	H5T_C_S1	25
		FillValue	yyyymmdd hhmmssuuuuuu	H5T C S1	22
		comment	format: yyyymmdd hhmmssuuuuuu	H5T C S1	30
		dimension label	Number_of_Scans	H5T C S1	16
0.002		Scan_FirstPixelAcqTime_HF	H5T_C_S1	Number_of_Scans	
		Attributes			
		Name	Value	Туре	Size
		long_name	date of the first pixel	H5T_C_S1	45
	#10	standard_name	time	H5T_C_S1	5
		units	UTC Time in microseconds	H5T_C_S1	25
		FillValue	yyyymmdd hhmmssuuuuuu	H5T C S1	22
		comment	format: yyyymmdd hhmmssuuuuuu	H5T C S1	30
		dimension label	Number of Scans	H5T C S1	16
1.007	<i>"</i>	Latitude Pixels	H5T STD U16LE	Number of Scans	
	#11	Attributes			

		Nama	Value	Tuna	Cina
		Name	Value latitude of pixels	Type	Size
		long_name	·	H5T_C_S1	77
		standard_name	latitude	H5T_C_S1	9
		units	degrees 0.01	H5T C S1	8
		scale factor	-40.0	H5T C S1	5
		add offset	[-40.0,40.0]	H5T C S1	6 13
		valid_range FillValue	65535	H5T_C_S1	
			accuracy 1km	H5T_C_S1	6
		comment dimension label	Number of Scans, Number of Pixels	H5T_C_S1 H5T_C_S1	13 59
		CLASS	IMAGE		6
		IMAGE SUBCLASS	IMAGE GRAYSCALE	H5T_C_S1	16
		IMAGE MINMAXRANGE	[0,8000]	H5T_C_S1 H5T_STD_U16LE	4
1.007		Longitude Pixels	H5T STD U16LE	Number of Scans	
1.007		Attributes	H31_31D_010LE	Nullibel_0 _3calls/	
		Name	Value	Туре	Size
			longitude of pixels	H5T C S1	78
		long_name	longitude	H5T C S1	10
		standard_name units	degrees	H5T C S1	8
		scale_factor	0.01	H5T C S1	o 5
		add offset	0.0	H5T C S1	4
	#12	valid range	[0.0,360.0]	H5T C S1	12
		FillValue	65535		6
		riiivaiue	Longitude [0,360]: 0 is Greenwich	H5T C S1	0
		comment	meridian (accuracy 1km)	H5T C S1	59
		dimension label	Number of Scans, Number of Pixels	H5T C S1	59
		CLASS	IMAGE	H5T_C_S1	59
		IMAGE SUBCLASS	IMAGE GRAYSCALE	H5T C S1	16
		IMAGE MINMAXRANGE	[0,36000]	H5T STD U16LE	4
0.503		IncidenceAngle_Pixels_LF	H5T_STD_I8LE	Number_of_Scans>	
0.303		Attributes	1131_315_1322	ivariber_or_searis/	
		Name	Value	Туре	Size
		long name	Incidence angle at the center of pixels	H5T C S1	52
		standard name	incidence angle	H5T C S1	16
		units	degrees	H5T C S1	8
		scale factor	0.01	H5T C S1	5
		add offset	53.0	H5T C S1	5
	#13	valid range	[51.72,54.27]	H5T C S1	14
		FillValue	127	H5T C S1	4
		comment	angle between zenith and line of sight	H5T C S1	39
		dimension label	Number of Scans, Number of Pixels	H5T C S1	59
		geolocation label	Latitude Pixels, Longitude Pixels	H5T C S1	78
		CLASS	IMAGE	H5T C S1	6
		IMAGE SUBCLASS	IMAGE GRAYSCALE	H5T C S1	16
		IMAGE MINMAXRANGE	[-128,127]	H5T STD I8LE	2
0.503		IncidenceAngle_Pixels_MF	H5T_STD_I8LE	Number of Scans	
		Attributes			
		Name	Value	Туре	Size
		long name	Incidence angle at the center of pixels	H5T_C_S1	52
	#14	standard name	incidence angle	H5T C S1	16
		units	degrees	H5T C S1	8
		scale factor	0.01	H5T C S1	5
		add offset	53.0	H5T_C_S1	5

Valid_range [51.72,54.27]
Comment angle between zenith and line of sight H5T C S1 39
dimension label Number_of_Scans, Number_of_Pixels H5T_C S1 59 geolocation label Latitude_Pixels, Longitude_Pixels H5T_C S1 78 CLASS IMAGE H5T_C S1 6 IMAGE_SUBCLASS IMAGE_GRAYSCALE H5T_C S1 16 IMAGE_MINMAXRANGE [-128,127] H5T_STD_I8LE 2 IncidenceAngle_Pixels_HF H5T_STD_I8LE Number_of_Scans> Attributes Name Value Type Size long_name Incidence angle at the center of pixels H5T_C_S1 52
geolocation label Latitude Pixels, Longitude Pixels H5T C S1 78 CLASS IMAGE H5T C S1 6 IMAGE SUBCLASS IMAGE_GRAYSCALE H5T C S1 16 IMAGE MINMAXRANGE [-128,127] H5T STD IBLE 2 IncidenceAngle_Pixels_HF H5T_STD_IBLE Number_of_Scans> Attributes Name Value Type Size long_name Incidence angle at the center of pixels H5T_C_S1 52
CLASS IMAGE H5T_C S1 6 IMAGE SUBCLASS IMAGE_GRAYSCALE H5T_C S1 16 IMAGE MINMAXRANGE [-128,127] H5T_STD_IBLE 2 IncidenceAngle_Pixels_HF H5T_STD_IBLE Number_of_Scans> Attributes Name Value Type Size long_name Incidence angle at the center of pixels H5T_C_S1 52
IMAGE_SUBCLASS
IMAGE_MINMAXRANGE
Attributes Name Value Type Size long_name Incidence angle at the center of pixels H5T_C_S1 52
NameValueTypeSizelong_nameIncidence angle at the center of pixelsH5T_C_S152
long_name Incidence angle at the center of pixels H5T_C_S1 52
standard name incidence angle
units degrees H5T_C_S1 8
scale factor 0.01 H5T C S1 5
#15 add offset 53.0 H5T C S1 5
valid range [51.72,54.27] H5T C S1 14
FillValue 127 H5T C S1 4
comment angle between zenith and line of sight H5T C S1 39
dimension label Number_of_Scans, Number_of_Pixels H5T C S1 59
geolocation_label Latitude_Pixels, Longitude_Pixels H5T_C_S1 78
CLASS IMAGE H5T C S1 6
IMAGE SUBCLASS IMAGE_GRAYSCALE H5T C S1 16
IMAGE MINMAXRANGE [-128,127] H5T STD I8LE 2
1.007 TB_Pixels_18.7_H H5T_STD_U16LE Number_of_Scans>
Attributes No. 151 No.
Name Value Type Size
Pixels brightness temperatures at 18.7
long name H H5T C S1 53
standard name brightness_temperature H5T C S1 23
units Kelvin H5T C S1 7
scale factor 0.01 H5T C S1 5
add_offset 0.0 H5T_C_S1 4
valid range [0,400] H5T C S1 8
#16 Valid_Talige [5,400]
quality_flag QF_Pixels_18.7_H H5T_C_S1 44
TB interpolated from L1A1 TB samples (see additionnal geometrical
Comment 7 Not C 51 00
dimension label Number_of_Scans, Number_of_Pixels H5T_C_S1 56
geolocation_label Latitude_Pixels, Longitude_Pixels H5T_C_S1 78
CLASS IMAGE H5T_C_S1 6
IMAGE_SUBCLASS IMAGE_GRAYSCALE H5T_C_S1 16
IMAGE_MINMAXRANGE [0,40000] H5T_STD_U16LE 4
TB_Pixels_18.7_V H5T_STD_U16LE Number_of_Scans>
Attributes
Name Value Type Size
Pixels brightness temperatures at 18.7
#17 long name V
Standard_name brightness_temperature not_C_51 25
units Kelvin H5T_C_S1 7
scale factor 0.01 H5T C S1 5
add_offset 0.0 H5T C_S1 4
valid_range [0,400] H5T_C_S1 8

	FillValue	65535	H5T C S1	6
	quality_flag	QF_Pixels_18.7_V	H5T_C_S1	44
		TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS)		
	comment	,	H5T C S1	88
	dimension label	Number_of_Scans, Number_of_Pixels	H5T_C_S1	56
	geolocation label	Latitude_Pixels, Longitude_Pixels	H5T_C_S1	78
	CLASS	IMAGE	H5T_C_S1	6
	IMAGE_SUBCLASS	IMAGE_GRAYSCALE	H5T_C_S1	16
	IMAGE_MINMAXRANGE	[0,40000]	H5T_STD_U16LE	4
	TB_Pixels_23.8_V	H5T_STD_U16LE	Number_of_Scans>	
	Attributes			
	Name	Value	Туре	Size
	long name	Pixels brightness temperatures at 23.8 V	H5T C S1	53
	standard_name	brightness temperature	H5T C S1	23
	units	Kelvin	H5T C S1	7
	scale factor	0.01	H5T C S1	5
	add offset	0.0	H5T C S1	4
	valid range	[0,400]	H5T C S1	8
#18	FillValue	65535	H5T C S1	6
	quality flag	QF_Pixels_23.8_V	H5T C S1	44
	comment	TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS)	H5T C S1	88
	dimension label	Number of Scans, Number of Pixels	H5T C S1	56
	geolocation label	Latitude Pixels, Longitude Pixels	H5T C S1	78
	-	IMAGE		6
	CLASS	IMAGE GRAYSCALE	H5T C S1	
	IMAGE SUBCLASS	[0,40000]	H5T C S1	<u>16</u> 4
	IMAGE MINMAXRANGE TB Pixels 36.5 H	H5T STD U16LE	H5T STD U16LE Number of Scans>	4
	Attributes	H31_SID_OTOLE	INUITIBEI_OI_SCATISA	
	Name	Value	Tuno	Size
		Pixels brightness temperatures at 36.5	Type	
	long name	H	H5T C S1	53
	standard_name	brightness_temperature	H5T_C_S1	23
	units	Kelvin	H5T_C_S1	7
	scale_factor	0.01	H5T_C_S1	5
	add_offset	0.0	H5T_C_S1	4
#19	valid_range	[0,400]	H5T_C_S1	8
#13	_FillValue	65535	H5T_C_S1	6
	quality_flag	QF_Pixels_36.5_H	H5T_C_S1	44
	comment	TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS)	H5T C S1	88
	dimension_label	Number_of_Scans, Number_of_Pixels	H5T_C_S1	56
	geolocation_label	Latitude_Pixels, Longitude_Pixels	H5T_C_S1	78
	CLASS	IMAGE	H5T_C_S1	6
	IMAGE_SUBCLASS	IMAGE_GRAYSCALE	H5T_C_S1	16
	IMAGE_MINMAXRANGE	[0,40000]	H5T_STD_U16LE	4
	TB_Pixels_36.5_V	H5T_STD_U16LE	Number_of_Scans>	
#20	Attributes			
	Name	Value	Туре	Size

1.007

		Pixels brightness temperatures at 36.5		
long na	me	V	H5T C S1	53
standard		brightness temperature	H5T C S1	23
units		Kelvin	H5T C S1	7
scale fa	ctor	0.01	H5T C S1	5
add offs	set	0.0	H5T C S1	4
valid ra	nge	[0,400]	H5T C S1	8
FillValu	ie	65535	H5T C S1	6
quality	flag	QF_Pixels_36.5_V	H5T C S1	44
		TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS)		
comme		-	H5T_C_S1	88
	on_label	Number_of_Scans, Number_of_Pixels	H5T_C_S1	56
	tion_label	Latitude_Pixels, Longitude_Pixels	H5T_C_S1	78
CLASS		IMAGE	H5T_C_S1	6
	SUBCLASS	IMAGE_GRAYSCALE	H5T_C_S1	16
IMAGE_I	MINMAXRANGE	[0,40000]	H5T_STD_U16LE	4
	TB_Pixels_89.0_H	H5T_STD_U16LE	Number_of_Scans>	
	Attributes			
	Name	Value	Туре	Size
long na	ma	Pixels brightness temperatures at 89.0	H5T C S1	53
standard		brightness temperature	H5T C S1	23
units	u_name	Kelvin	H5T C S1	7
scale fa	ector	0.01	H5T C S1	5
add offs		0.01	H5T C S1	4
		[0,400]	H5T C S1	
#21 valid ra		65535		8
FillValu		QF Pixels 89.0 H	H5T_C_S1	6 44
quality_comme	•	TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS)	H5T_C_S1 H5T_C_S1	88
dimensi	on_label	Number_of_Scans, Number_of_Pixels	H5T_C_S1	56
geoloca	tion label	Latitude Pixels, Longitude Pixels	H5T C S1	78
CLASS		IMAGE	H5T C S1	6
	SUBCLASS	IMAGE_GRAYSCALE	H5T C S1	16
	MINMAXRANGE	[0,40000]	H5T STD U16LE	4
	TB_Pixels_89.0_V	H5T STD U16LE	Number of Scans>	<u> </u>
I				
	Attributes		ivamber_or_ocarios	
	Attributes Name	Value		Size
		Value Pixels brightness temperatures at 89.0	Type	Size
long na	Name	Pixels brightness temperatures at 89.0 V		Size 53
long na standari	Name me	Pixels brightness temperatures at 89.0	Туре	
	Name me	Pixels brightness temperatures at 89.0 V brightness_temperature Kelvin	Type H5T C S1	53
standar	Name me d_name	Pixels brightness temperatures at 89.0 V brightness_temperature Kelvin 0.01	Type H5T C S1 H5T C S1	53 23
standard units	Name me d_name ctor	Pixels brightness temperatures at 89.0 V brightness_temperature Kelvin	Type H5T_C_S1 H5T_C_S1 H5T_C_S1	53 23 7
standard units scale_fa	Name me d_name cctor set	Pixels brightness temperatures at 89.0 V brightness_temperature Kelvin 0.01	Type H5T C S1 H5T C S1 H5T C S1 H5T C S1	53 23 7 5
standari units scale fa #22 add offs	Name me d_name ctor set nge	Pixels brightness temperatures at 89.0 V brightness_temperature Kelvin 0.01 0.0	Type H5T C S1	53 23 7 5 4
standari units scale_fa #22 add_offs valid_ra FillValu	Name me d_name ctor set nge	Pixels brightness temperatures at 89.0 V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535	Type H5T C S1	53 23 7 5 4 8
standari units scale_fa #22 add_offs valid_ra FillValu quality	Name me d_name cctor set nge lee flag	Pixels brightness temperatures at 89.0 V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535 QF_Pixels_89.0_V TB interpolated from L1A1 TB samples (see additionnal geometrical	Type H5T C S1	53 23 7 5 4 8 6 44
standari units scale_fa dd_offs valid_ra FillValu quality commer	Name me d_name ctor set nge lee flag	Pixels brightness temperatures at 89.0 V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535 QF_Pixels_89.0_V TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS)	Type H5T C S1 H5T C S1	53 23 7 5 4 8 6 44
standari units scale_fa add_offs valid_ra FillValu quality commendimensi	Name me d_name cctor set nge lee flag	Pixels brightness temperatures at 89.0 V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535 QF_Pixels_89.0_V TB interpolated from L1A1 TB samples (see additionnal geometrical	Type H5T C S1	53 23 7 5 4 8 6

		CLASS	IMAGE	H5T C S1	6
		IMAGE SUBCLASS	IMAGE GRAYSCALE	H5T C S1	16
		IMAGE MINMAXRANGE	[0,40000]	H5T STD U16LE	4
1.007		TB Pixels 157.0 H	H5T STD U16LE	Number of Scans>	
1.007		Attributes	1131_315_01022	ivamber_or_scans/	
		Name	Value	Туре	Size
		Name	Pixels brightness temperatures at 157.0		3126
		long name	H	H5T C S1	53
		standard name	brightness temperature	H5T C S1	23
		units	Kelvin	H5T C S1	7
		scale factor	0.01	H5T C S1	5
		add offset	0.0	H5T C S1	4
		valid range	[0,400]	H5T C S1	8
	#23	FillValue	65535	H5T C S1	6
		quality flag	QF Pixels 157.0 H	H5T C S1	44
		,, , , , , , , , , , , , , , , , , , ,	TB interpolated from L1A1 TB samples		
			(see additionnal geometrical		
		comment	information in attributes of MADRAS)	H5T C S1	88
		dimension label	Number of Scans, Number of Pixels	H5T C S1	56
		geolocation label	Latitude Pixels, Longitude Pixels	H5T C S1	78
		CLASS	IMAGE	H5T C S1	6
		IMAGE SUBCLASS	IMAGE GRAYSCALE	H5T C S1	16
		IMAGE MINMAXRANGE	[0,40000]	H5T_STD_U16LE	4
1.007		TB Pixels 157.0 V	H5T STD U16LE	Number of Scans	
'					
		Name	Value	Туре	Size
			Pixels brightness temperatures at 157.0		
		long_name		H5T_C_S1	53
		standard_name	V brightness_temperature	H5T_C_S1 H5T_C_S1	23
		standard_name units	V brightness_temperature Kelvin	H5T C S1 H5T C S1 H5T C S1	23 7
		standard_name	V brightness_temperature Kelvin 0.01	H5T_C_S1 H5T_C_S1	23
		standard_name units	V brightness_temperature Kelvin 0.01 0.0	H5T C S1 H5T C S1 H5T C S1	23 7 5 4
	#24	standard_name units scale_factor add_offset valid_range	V brightness_temperature Kelvin 0.01 0.0 [0,400]	H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1	23 7 5
	#24	standard_name units scale_factor add_offset	V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535	H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1	23 7 5 4 8 6
	#24	standard_name units scale_factor add_offset valid_range	V brightness_temperature Kelvin 0.01 0.0 [0,400]	H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1	23 7 5 4 8
	#24	standard_name units scale_factor add_offset valid_range FillValue	V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535 QF_Pixels_157.0_V TB interpolated from L1A1 TB samples	H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1	23 7 5 4 8 6
	#24	standard_name units scale_factor add_offset valid_range FillValue	V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535 QF_Pixels_157.0_V TB interpolated from L1A1 TB samples (see additionnal geometrical	H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1	23 7 5 4 8 6
	#24	standard_name units scale_factor add_offset valid_range FillValue	V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535 QF_Pixels_157.0_V TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS)	H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1	23 7 5 4 8 6
	#24	standard_name units scale factor add_offset valid_range FillValue quality flag	V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535 QF_Pixels_157.0_V TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS) Number_of_Scans, Number_of_Pixels	H5T C S1 H5T C S1	23 7 5 4 8 6 44
	#24	standard_name units scale_factor add_offset valid_range FillValue quality_flag comment	V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535 QF_Pixels_157.0_V TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS) Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels	H5T_C_S1	23 7 5 4 8 6 44
	#24	standard_name units scale_factor add_offset valid_range FillValue quality_flag comment dimension_label	V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535 QF_Pixels_157.0_V TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS) Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels IMAGE	H5T_C_S1	23 7 5 4 8 6 44
	#24	standard_name units scale_factor add_offset valid_range FillValue quality_flag comment dimension_label geolocation_label	V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535 QF_Pixels_157.0_V TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS) Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels IMAGE IMAGE_GRAYSCALE	H5T_C_S1	23 7 5 4 8 6 44 88 56 78
	#24	standard_name units scale_factor add_offset valid_range FillValue quality_flag comment dimension_label geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE	V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535 QF_Pixels_157.0_V TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS) Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels IMAGE IMAGE_IMAGE_GRAYSCALE [0,40000]	H5T C S1	23 7 5 4 8 6 44 88 56 78 6
1.007	#24	standard_name units scale_factor add_offset valid_range FillValue quality_flag comment dimension_label geolocation_label CLASS IMAGE_SUBCLASS	V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535 QF_Pixels_157.0_V TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS) Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels IMAGE IMAGE_GRAYSCALE	H5T_C_S1	23 7 5 4 8 6 44 88 56 78 6 16
1.007		standard_name units scale_factor add_offset valid_range FillValue quality_flag comment dimension_label geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE	V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535 QF_Pixels_157.0_V TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS) Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels IMAGE IMAGE_GRAYSCALE [0,40000] H5T_STD_U16LE	H5T C S1	23 7 5 4 8 6 44 88 56 78 6 16
1.007	#24 #25	standard_name units scale_factor add_offset valid_range FillValue quality_flag comment dimension_label geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE QF_Pixels_18.7_H	V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535 QF_Pixels_157.0_V TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS) Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels IMAGE IMAGE_IMAGE_GRAYSCALE [0,40000] H5T_STD_U16LE	H5T C S1	23 7 5 4 8 6 44 88 56 78 6 16 4
1.007		standard_name units scale_factor add_offset valid_range FillValue quality_flag comment dimension_label geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE QF_Pixels_18.7_H Attributes	V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535 QF_Pixels_157.0_V TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS) Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels IMAGE IMAGE_IMAGE_GRAYSCALE [0,40000] H5T_STD_U16LE Value Quality Flag of pixel for channel 18.7_H	H5T C S1	23 7 5 4 8 6 44 88 56 78 6 16 4
1.007		standard_name units scale_factor add_offset valid_range FillValue quality_flag comment dimension_label geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE QF_Pixels_18.7_H Attributes Name	V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535 QF_Pixels_157.0_V TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS) Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels IMAGE IMAGE_IMAGE_GRAYSCALE [0,40000] H5T_STD_U16LE	H5T C S1	23 7 5 4 8 6 44 88 56 78 6 16 4

16-bits array (-B.good / a-b.ad). #15-TS validity Habus glint. #15-TS validity Habus gl						
# 313 Land/Sea contamination, # 1212 surface type, # 1120 surface type, # 120						
Surface type, #31.Channel ONOFF Status, #31.Channel ON						
Level O hot or cold error, #3 geolocation power estimation, #3 geolocation power estimation, #3 geolocation power estimation, #3 geolocation power estimation, #3 geolocation power estimation power e						
geolocation poor estimation, #7-6; califoration flag, #5-4-178 corrected, #3: interpolation quality, #2. AGCIAOC						
#3: interpolation quality, #2: AGC/AOC loop, #3-10-ice flag						
Comment Ioop, #1-0:ice flag HST C S1 1 1 1 1 1 1 1 1 1						
### ### ##############################						
Geolocation label Latitude Pixels, Longitude, Pixels H3T C S1 78			comment			
#26 MAGE SUBCLASS MAGE GRAYSCALE			_			
MAGE SUBCLASS MAGE GRAYSCALE H5T C S1 16						
#26 #26 #27 #27 #27 #27 #27 #27						
#26 OF Pixels 18.7.V HST STD U16LE Number of Scanss						
#26 #26 #27 #27 #27 #27 #27 #27						4
#26 Name Quality Flag of pise for channel 18.7 V HST C S1 71	1.007			H51_S1D_U16LE	Number_of_Scans>	
#26 #26 #27 #27 #27 #27 #27 #27 #27 #27 #27 #27				Value	Turna	Ci=o
#26 #26 #27 #27 #27 #27 #27 #27						
#26 #26 #27 #27 #27 #27 #27 #27 #27 #27 #27 #27						
#15:TB validity flag, #14:sun glint, #13: Lank/Gse contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4:TB corrected, #3: interpolation quality, #2: AGC/ADC Comment dimension_label Number_of_Scans, Number_of_Pixels HST_C S1			Standard_name		H21_C_S1	13
#26 #26 #26 #27 #27 #28 #28 #28 #28 #29 #20 #20 #20 #21 #26 #26 #27 #27 #27 #27 #27 #27 #27 #27 #27 #27						
#26 #26 #27 #27 #27 #27 #27 #27						
#26 status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8 geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC Loop, #1-0:ice flag						
Level to for Cricial error, #8: geolocation, poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC		#26		status, #10:Level 0 count error, #9		
Calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC H5T_C S1		#20				
#3: interpolation quality, #2: AGC/AOC loop, #1-0:ce flag dimension label support for facans, Number of facans, Number o						
Comment Ioop, #1-0:ice flag						
Miller Number of Scans, Number of Pixels HST C S1 56				le maior di	LIET C C1	1
Report Section Secti						
CLASS						
#27 #27 MAGE SUBCLASS IMAGE_GRAYSCALE H5T C S1 16 IMAGE MINMAXRANGE [0,8000] H5T STD U16LE 4 QF_Pixels_23.8_V H5T_STD_U16LE Number_of_Scans>			·			
#27 #27 #27 #27 #28 #27 #27 #28 #29 #27 #27 #28 #27 IMAGE MINMAXRANGE [0,8000] H5T STD U16LE 4 Number_of Scanss Number_of Scans						
#27 OF Pixels 23.8 V						
Name Value Type Size	1 007					4
Name Value Type Size	1.007			1131_310_010EE	Nulliber_or_scalis/	
#27 long_name				Value	Type	Size
#27 #27 #28 #29 #29 #29 #20 #20 #20 #20 #20 #20 #20 #20 #20 #20						
#27 #27 #28 #29 #27 #28 #29 #29 #20 #20 #20 #20 #20 #20 #20 #20 #20 #20						
#15:TB validity flag, #14:sun glint , #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error , #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag H5T_C_S1 1 dimension label Number_of_Scans, Number_of_Pixels H5T_C_S1 56 geolocation label Latitude Pixels, Longitude Pixels H5T_C_S1 78 CLASS IMAGE H5T_C_S1 66 IMAGE_SUBCLASS IMAGE_GRAYSCALE H5T_C_S1 16 IMAGE_MINMAXRANGE [0,8000] H5T_STD_U16LE 4						
#13: Land/Sea contamination, #12:						
#27 status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Comment dimension_label Number_of_Scans, Number_of_Pixels Geolocation_label Latitude_Pixels, Longitude_Pixels CLASS IMAGE IMAGE IMAGE_GRAYSCALE H5T_C_S1 6 IMAGE_MINMAXRANGE [0,8000] #5T_STD_U16LE 4				#13: Land/Sea contamination, #12:		
Level 0 hot or cold error , #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Mumber_of_Scans, Number_of_Pixels						
Level 0 not of cold error , #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag H5T_C_S1 1 dimension_label Number_of_Scans, Number_of_Pixels H5T_C_S1 56 geolocation_label Latitude_Pixels, Longitude_Pixels H5T_C_S1 78 CLASS IMAGE H5T_C_S1 6 IMAGE_SUBCLASS IMAGE_GRAYSCALE H5T_C_S1 16 IMAGE_MINMAXRANGE [0,8000] H5T_STD_U16LE 4		#27				
calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOCcommentloop, #1-0:ice flagH5T_C_S11dimension_labelNumber_of_Scans, Number_of_PixelsH5T_C_S156geolocation_labelLatitude_Pixels, Longitude_PixelsH5T_C_S178CLASSIMAGEH5T_C_S16IMAGE_SUBCLASSIMAGE_GRAYSCALEH5T_C_S116IMAGE_MINMAXRANGE[0,8000]H5T_STD_U16LE4						
#3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag H5T_C_S1 1 dimension_label Number_of_Scans, Number_of_Pixels H5T_C_S1 56 geolocation_label Latitude_Pixels, Longitude_Pixels H5T_C_S1 78 CLASS IMAGE H5T_C_S1 6 IMAGE_SUBCLASS IMAGE_GRAYSCALE H5T_C_S1 16 IMAGE_MINMAXRANGE [0,8000] H5T_STD_U16LE 4						
comment loop, #1-0:ice flag H5T_C_S1 1 dimension_label Number_of_Scans, Number_of_Pixels H5T_C_S1 56 geolocation_label Latitude_Pixels, Longitude_Pixels H5T_C_S1 78 CLASS IMAGE H5T_C_S1 6 IMAGE_SUBCLASS IMAGE_GRAYSCALE H5T_C_S1 16 IMAGE_MINMAXRANGE [0,8000] H5T_STD_U16LE 4				#3: interpolation quality, #2: AGC/AOC		
dimension_labelNumber_of_Scans, Number_of_PixelsH5T_C_S156geolocation_labelLatitude_Pixels, Longitude_PixelsH5T_C_S178CLASSIMAGEH5T_C_S16IMAGE_SUBCLASSIMAGE_GRAYSCALEH5T_C_S116IMAGE_MINMAXRANGE[0,8000]H5T_STD_U16LE4			comment		H5T C S1	1
geolocation label Latitude_Pixels, Longitude_Pixels H5T_C S1 78 CLASS IMAGE H5T C S1 6 IMAGE SUBCLASS IMAGE_GRAYSCALE H5T C S1 16 IMAGE MINMAXRANGE [0,8000] H5T STD U16LE 4				Number_of_Scans, Number_of_Pixels		
CLASS IMAGE H5T C S1 6 IMAGE SUBCLASS IMAGE_GRAYSCALE H5T C S1 16 IMAGE MINMAXRANGE [0,8000] H5T STD U16LE 4						
IMAGE SUBCLASS IMAGE_GRAYSCALE H5T_C S1 16 IMAGE MINMAXRANGE [0,8000] H5T_STD_U16LE 4			·	IMAGE		
				IMAGE_GRAYSCALE		16
			IMAGE_MINMAXRANGE		H5T_STD_U16LE	4
1.007 #28 QF_Pixels_36.5_H H5T_STD_U16LE Number_of_Scans>	1.007	#28	QF_Pixels_36.5_H	H5T_STD_U16LE	Number_of_Scans>	

		Attributes			
		Name	Value	Туре	Size
		long name	Quality Flag of pixel for channel 36.5_H		71
		standard name	quality flag	H5T C S1	13
		comment	16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC	H5T C S1	13
		dimension label	Number of Scans, Number of Pixels	H5T C S1	56
		geolocation label	Latitude Pixels, Longitude Pixels	H5T C S1	78
		CLASS	IMAGE	H5T C S1	6
		IMAGE SUBCLASS	IMAGE GRAYSCALE	H5T C S1	16
		IMAGE MINMAXRANGE	[0,8000]	H5T STD U16LE	4
1.007		QF Pixels 36.5 V	H5T_STD_U16LE	Number_of_Scans>	· · · · · · · · · · · · · · · · · · ·
		Attributes			
		Name	Value	Type	Size
		long name	Quality Flag of pixel for channel 36.5_V		71
		standard name	quality flag	H5T C S1	13
	#29		16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint , #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error , #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag		
		comment	<u> </u>	H5T C S1	1
		dimension label	Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels	H5T_C_S1	56
		geolocation_label	IMAGE	H5T_C_S1	78
		CLASS IMAGE_SUBCLASS	IMAGE GRAYSCALE	H5T_C_S1	6
			[0,8000]	H5T_C_S1 H5T_STD_U16LE	16 4
1.007		IMAGE_MINMAXRANGE QF Pixels 89.0 H	H5T STD U16LE	Number of Scans	4
1.007		Attributes	1131_312_01011	Namber_01_3cans)	
		Name	Value	Type	Size
		long name	Quality Flag of pixel for channel 89.0_H		71
		standard name	quality flag	H5T C S1	13
	#30	comment	16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC	H5T C S1	1
		dimension label	Number of Scans, Number of Pixels	H5T C S1	56
		geolocation label		H5T_C_S1	78
		-			

MAGE SIBICLASS MAGE GRAYSCALE MST C.S1 16			CLASS	IMAGE	H5T C S1	6
1,007 Name						
#31 #31 #31 #31 #31 #31 #31 #31			_			
#31 #31 #31 #31 #31 #31 #31 #31	1 007					-
Mame	1.007			1131_315_61622	Tramber_or_scans/	
Sing_name				Value	Type	Siza
#31 Standard name						
#31 #31 16-bits array (=0':good / =1:bad); #15:TS validity flag; #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11-Channel ONOFF status, #10:Level 0 count error, #9 Level hot or cold error, #8; #15:TS validity flag; #16: Status, #10:Level 0 count error, #9 Level hot or cold error, #8; #15:TS validity #17: ACC/ADC loop, #1-0:ce flag with flag; #17: CS validity #17: ACC/ADC loop, #1-0:ce flag with flag; #17: CS validity #17: ACC/ADC loop, #1-0:ce flag with flag; #17: CS validity #17: ACC/ADC loop, #1-0:ce flag with flag; #17: CS validity #17: CS validity #17: ACC/ADC loop, #1-0:ce flag with flag; #17: CS validity #17: CS vali						
#31 #31 #31 #31 #31 #31 #31 #31 #31 #31			standard_name		H31_C_31	13
#32 #32 #33 dimension label Number of Scans, Number of Pixels HST C S1 56 geolocation label Latitude Pixels, Longitude Pixels HST C S1 78 T8 T8 T8 T8 T8 T8 T8		#31		#15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC		
#32 #32 #32 #33 Geolocation label Latitude Pixels, Longitude Pixels HST C, S1 78 78 78 78 78 78 78 7			comment	loop, #1-0:ice flag	H5T_C_S1	1
#32 CLASS IMAGE HST C S1 6 IMAGE SUBCLASS IMAGE GRAYSCALE HST C S1 16 IMAGE MINMAXRANGE [0,8000] HST STD U16LE 4 A Value Number of Scans> Attributes Name Value Type Size Iong name H HST C S1 13 Iong name H HST C S1 13 Iong name H HST C S1 13 Iong name HST C S1 14 Iong name HST C S1 15 Iong name HST C S1 16 Iong name HST C S1 17 Iong name			dimension_label		H5T_C_S1	56
MAGE SUBCLASS MAGE GRAYSCALE H5T_C S1 16			geolocation_label	Latitude_Pixels, Longitude_Pixels	H5T_C_S1	78
1.007 MAGE MINMAXRANGE [0,8000] H5T STD U16LE 4 OF Pixels 157.0 H			CLASS	IMAGE	H5T_C_S1	6
OF Pixels 157.0 H			IMAGE_SUBCLASS	IMAGE_GRAYSCALE	H5T_C_S1	16
#32 #32 #32 #34 Attributes Name Value Value Type Size Quality Flag of pixel for channel 157.0 H5T C S1 71 16-bits array (=0:good / =1:bad): #15:TB validity flag, #14:sun glint, #13:Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation pore estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC comment dimension label loop, #1-0:ice flag loop, #1-0:ice flag H5T C S1 dimension label geolocation label latitude Pixels, Longitude Pixels H5T C S1 78 CLASS MAGE MAGE MAGE MAGE GRAYSCALE H5T C S1 16 IMAGE SUBCLASS MAGE MAGE GRAYSCALE H5T C S1 16 IMAGE MIMMAXRANGE [0.8000] H5T STD U16LE Attributes Name Value Type Size long name Value Type Size Name Value Type Size Name Value Type Size			IMAGE MINMAXRANGE	[0,8000]	H5T STD U16LE	4
#32 Name Value Type Size	1.007		QF_Pixels_157.0_H	H5T_STD_U16LE	Number_of_Scans>	
#32 long name			Attributes			
#32 #32 #32 #32 #33 #34 long name H			Name		Туре	Size
#32 #32 #32 #32 #33 #33 #34 #35 #36-bits array (=0:good / =1:bad):, #15T C S1			long name			
#32 #32 #32 #32 #33 #33 #34 #35. TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag #37 #38 #39 #39 #39 #39 #39 #39 #39				I FI	IH5T C S1	71 l
#33 Geolocation label Latitude_Pixels, Longitude_Pixels H5T C S1 78				-		
CLASS		#32	standard name comment	quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag	H5T C S1	13
#33 MAGE SUBCLASS IMAGE_GRAYSCALE H5T_C S1 16 MAGE MINMAXRANGE [0,8000] H5T_STD_U16LE 4 OF Pixels_157.0_V H5T_STD_U16LE Number_of_Scans>		#32	standard name comment dimension label	quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint , #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error , #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number_of_Scans, Number_of_Pixels	H5T C S1 H5T C S1 H5T C S1	13 1 56
IMAGE MINMAXRANGE		#32	comment dimension label geolocation label	quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels	H5T C S1 H5T C S1 H5T C S1 H5T C S1	13 1 56 78
1.007 QF_Pixels_157.0_V		#32	comment dimension label geolocation label CLASS	quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint , #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error , #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels IMAGE	H5T C S1	13 1 56 78 6
#33 Attributes Name Value Type Size Quality Flag of pixel for channel 157.0 V H5T_C_S1 71		#32	comment dimension label geolocation label CLASS IMAGE_SUBCLASS	quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint , #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error , #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels IMAGE IMAGE IMAGE_GRAYSCALE	H5T C S1	13 1 56 78 6 16
#33 Name Value Type Size		#32	comment dimension label geolocation label CLASS IMAGE SUBCLASS IMAGE_MINMAXRANGE	quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels IMAGE IMAGE [0,8000]	H5T C S1	13 1 56 78 6 16
#33 Quality Flag of pixel for channel 157.0 H5T_C_S1 71	1.007	#32	comment dimension label geolocation label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE QF_Pixels_157.0_V	quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels IMAGE IMAGE [0,8000]	H5T C S1	13 1 56 78 6 16
Quality Flag of pixel for channel 157.0	1.007	#32	comment dimension label geolocation label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE QF_Pixels_157.0_V Attributes	quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint , #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error , #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels IMAGE IMAGE IMAGE_GRAYSCALE [0,8000] H5T_STD_U16LE	H5T C S1	13 1 56 78 6 16 4
	1.007		comment dimension label geolocation label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE QF_Pixels_157.0_V Attributes	quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint , #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error , #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels IMAGE IMAGE IMAGE [0,8000] H5T_STD_U16LE	H5T C S1	13 1 56 78 6 16 4
	1.007		comment dimension label geolocation label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE QF_Pixels_157.0_V Attributes Name	quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint , #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error , #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels IMAGE IMAGE IMAGE [0,8000] H5T_STD_U16LE Value Quality Flag of pixel for channel 157.0	H5T C S1 H5T STD U16LE Number_of_Scans>	13 1 56 78 6 16 4 Size

	16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC		
comment	loop, #1-0:ice flag	H5T_C_S1	1
dimension_label	Number_of_Scans, Number_of_Pixels	H5T_C_S1	56
geolocation_label	Latitude_Pixels, Longitude_Pixels	H5T_C_S1	78
CLASS	IMAGE	H5T_C_S1	6
IMAGE SUBCLASS	IMAGE_GRAYSCALE	H5T C S1	16
IMAGE MINMAXRANGE	[0,8000]	H5T STD U16LE	4

MADRAS

L1A3

Estimated Size	for typical [Number_of_Scans]
21.850 Mb	[2467]

Science data group associated attributes

ScienceData

		Attributes		
Index	Name	Value	Туре	Size
#1	Product_Identification	MT1MADSL1A31.00_9_01_I_2012_05_09_000	(H5T_C_S1	84
#2	Organization_Name	ISRO	H5T_C_S1	5
#3	Property_of_data	ISRO_ and_CNES	H5T_C_S1	15
#4	Satellite_Name	MEGHA-TROPIQUES	H5T_C_S1	16
#5	Payload_Name	MADRAS	H5T_C_S1	12
#6	Product_Name	Level-1A3-segment wise	H5T_C_S1	35
#7	Product_Format	NCSA-HDF	H5T_C_S1	9
#8	Product_Format_Version	HDF5.1.6.4	H5T_C_S1	11
#9	Product_Generation_Date	2012MAI09	H5T_C_S1	10
#10	Imaging_Date	2012MAI09	H5T_C_S1	10
#11	Date_Format	YYYYMMMDD	H5T_C_S1	10
#12	INS_AuxFile_Version	9_01	H5T_C_S1	5
#13	PRO_AuxFile_Version	9_01	H5T_C_S1	5
#14	RAD_AuxFile_Version	9_01	H5T_C_S1	5
#15	GEO_AuxFile_Version	9_01	H5T_C_S1	5
#16	PCS_AuxFile_Version	9_01	H5T_C_S1	5
#17	SLC_AuxFile_Version	9_01	H5T_C_S1	5
#18	GRB_AuxFile_Version	9_01	H5T_C_S1	5
#19	UCS_AuxFile_Version	9_01	H5T_C_S1	5
#20	Number_of_Channels	9	H5T_C_S1	8
#21	Channel_CentralFrequency	18.7GHz 18.7GHz 23.8GHz 36.5GHz 36.5GHz	H5T_C_S1	74
#22	Channel_Polarization	HVVHVHVHV	H5T_C_S1	18
#23	Channel_Bandwith	100MHz 100MHz 200MHz 500MHz 500MHz 13	H5T_C_S1	67
#24	Number_of_Resolutions	3	H5T_C_S1	8
#25	ChannelList_LF	18.7GHz 23.8GHz 36.5GHz	H5T_C_S1	24
#26	ChannelList_MF	89.0GHz	H5T_C_S1	8
#27	ChannelList_HF	157.0GHz	H5T_C_S1	9
#28	Pixel_Size_LF	[40.00,67.25]km	H5T_C_S1	16
#29	Pixel_Size_MF	[10.00,16.81]km	H5T_C_S1	16
#30	Pixel_Size_HF	[6.0,10.1]km	H5T_C_S1	13
#31	SunGlint_Limits	[0,30]degree	H5T_C_S1	13
#32	Orbit_StartNumber	00001	H5T_C_S1	19
#33	Orbit_EndNumber	00001	H5T_C_S1	17
#34	Orbit_Cycle_Number	01	H5T_C_S1	3
#35	SLConf	100001	H5T_C_S1	7
#36	Nskip	0005	H5T_C_S1	5
#37	ProcessorVersion	1.00	H5T_C_S1	5

#38	MADRAS_QF_Scan_Definition	16-bits array (=0:good, =1:bad): #15:Scan/row validity flag, #14:pass type, #13:scanning type, #12:scan/row error, #11:datation error, #10:PRT error, #8 madras correction flag #7 to 6 blank, # 5 to 3:Payload mod, #2 to 0 :Satellite mod	H5T_C_S1	16x24
#39	MADRAS_QF_Pixel_Definition	16-bits array (=0:good / =1:bad):, #15:TB va	H5T_C_S1	16x24
#40	Skip_StartScanNumber	[00000064,00000165,00000266,00000367,00	H5T_C_S1	1*Nskip
#41	Skip_EndScanNumber	[00000066,00000167,00000268,00000370,00	H5T_C_S1	1*Nskip
#42	Flip_StartScanNumber	0000012	H5T_C_S1	9
#43	Flip_EndScanNumber	0000042	H5T_C_S1	9
#44	Maneuver_StartScanNumber	00000011	H5T_C_S1	9
#45	Maneuver_EndScanNumber	0000043	H5T_C_S1	9
#46	FirstScanNumber	0000000	H5T_C_S1	8
#47	Time_Pixel_Interval	4.2	H5T_C_S1	4
#48	Number_of_Pixels	214	H5T_C_S1	8
#49	Number_of_Scans	00002467	H5T_C_S1	8
#50	QF_Product_%Processed_Scans	099	H5T_C_S1	4

Science data group elements

	mated size of ataset [Mb]
0.005	

Index	Name	Туре	Typical Value	
	MADRAS_QF_scan	H5T_STD_U16LE	Number_of_Scans	
	Attributes			
	Name	Value	Type Si.	ize
	long name	Quality flag applicable to the scan line	H5T C S1 4	1
#1		16-bits array (=0:good, =1:bad): #15:Scan/row validity flag, #14:pass type , #13:scanning type , #12:scan/row error , #11:datation error , #10:PRT error , #9:encoder error , #8 madras correction flag #7 to 6 blank , # 5 to 3:Payload mod , #2 to 0 :Satellite mod		
	comment	N 1 5 6		9
	dimension_label	Number_of_Scans		.6
	geolocation_label	Scan_FirstPixelAcqTime		4
	Scan_Number	H5T_STD_U16LE	Number_of_Scans	
#2	Attributes	Value	Tuno C:	i=0
#2	Name	Value		ize
		Scan Number		.2
	valid_range	[0,65535]	H5T C S1 1	.0

		min max	[0,65535]	H5T C S1	10
		FillValue	65535	H5T C S1	6
			scan number from the first scan of the		
		comment	product	H5T_C_S1	47
		dimension label	Number of Scans	H5T C S1	16
0.005		Latitude_Nadir	H5T_STD_U16LE	Number of Scans	
'					
		Name	Value	Туре	Size
		long name	latitude of subsatellite point	H5T C S1	31
		standard name	latitude	H5T C S1	9
		units	degrees	H5T C S1	8
	#3	scale factor	0.01	H5T C S1	5
	,,,,	add offset	-40.0	H5T_C_S1	6
		valid range	[-40.0,40.0]	H5T C S1	13
			[0,8000]	H5T C S1	9
		min_max	65535		6
		_FillValue		H5T_C_S1	
		comment	accuracy 1km	H5T_C_S1	13
		dimension_label	Number_of_Scans	H5T_C_S1	16
0.005		Longitude_Nadir	H5T_STD_U16LE	Number_of_Scans	
		Attributes			
		Name	Value	Туре	Size
		long_name	longitude of subsatellite point	H5T_C_S1	32
		standard_name	longitude	H5T_C_S1	10
		units	degrees	H5T_C_S1	8
	#4	scale_factor	0.01	H5T_C_S1	5
	#4	add_offset	0.0	H5T_C_S1	4
		valid_range	[0.0,360.0]	H5T_C_S1	12
		min max	[0,36000]	H5T C S1	10
		FillValue	65535	H5T C S1	6
			Longitude [0,360]: 0 is Greenwich		
		comment	meridian (accuracy 1km)	H5T C S1	59
		dimension label	Number of Scans	H5T C S1	16
0.005		Scan_HotLoadTemperature	H5T_STD_U16LE	Number_of_Scans	10
0.003		Attributes	1131_315_315_	itamber_or_ocaris	
		Name	Value	Туре	Size
			Hot load temperature		
		long_name	Kelvin	H5T_C_S1	21
		units		H5T C S1	7
		scale factor	0.01	H5T C S1	5
	#5	add_offset	0.0	H5T C S1	4
	#3	valid_range	[0.0,400.0]	H5T C S1	12
		min_max	[0,40000]	H5T_C_S1	10
		_FillValue	65535	H5T_C_S1	6
			Estimated average physical		
		comment	temperature of the hot load used for TB calculation	H5T_C_S1	79
			Number of Scans		16
		dimension_label	Scan_FirstPixelAcqTime	H5T_C_S1	
0.085		geolocation_label	H5T IEEE F32LE	H5T_C_S1	54
0.003		Scan_Gain	HD1_IEEE_F3ZLE	Number_of_Scans>	
		Attributes	17.7	T	C'i
		Name	Value	Туре	Size
	#6	long name	Estimated gain	H5T C S1	15
		units	count/K	H5T_C_S1	8
		scale_factor	1.0	H5T_C_S1	4
		add_offset	0.0	H5T_C_S1	4
				·	

		valid range	[5.0,13.0]	H5T C S1	21
		min max	[5.0,13.0]	H5T_C_S1	21
		FillValue	3.4E38	H5T C S1	7
			Estimated gain value applied to TB calculation for each channels in the following sequence: 18.7H, 18.7V, 23.8 V,36.5H, 36.5V, 89.0H, 89.0V, 157.0H, 157.0V	H5T C S1	124
		dimension label	Number_of_Scans, Number_of_Channels		36
0.085		Scan Offset	H5T IEEE F32LE	Number of Scans	30
0.063		Attributes	H31_IEEE_F32LE	Nulliber_or_scalis	
			Value	Tuno	Cizo
		Name		Type	Size
		long name	Estimated offset	H5T C S1	17
			Kelvin 1.0	H5T C S1	7
		scale factor	0.0	H5T_C_S1	4
				H5T_C_S1	4
	#7	valid_range	[0.0,150.0]	H5T_C_S1	23
		min_max	[0.0,150.0] 3.4E38	H5T_C_S1	23
		_FillValue	Estimated offset value used for TB	H5T_C_S1	7
			calculation for each channels in the following sequence: 18.7H, 18.7V, 23.8 V,36.5H, 36.5V, 89.0H, 89.0V, 157.0H,		
		comment	157.0V	H5T_C_S1	113
		dimension label	Number_of_Scans, Number_of_Channels		36
0.002		Scan_FirstPixelAcqTime_LF	H5T_C_S1	Number_of_Scans	
		Attributes			
		Name	Value	Туре	Size
		long_name	date of the first pixel	H5T_C_S1	45
	#8	standard_name	time	H5T_C_S1	5
		units	UTC Time in microseconds	H5T_C_S1	25
		FillValue	yyyymmdd hhmmssuuuuuu	H5T C S1	22
		comment	format: yyyymmdd hhmmssuuuuuu	H5T_C_S1	30
			Number_of_Scans	H5T_C_S1	16
0.002		Scan_FirstPixelAcqTime_MF	H5T_C_S1	Number_of_Scans	
		Attributes			
		Name	Value	Туре	Size
	#9	long_name	date of the first pixel	H5T_C_S1	45
		standard_name	time	H5T_C_S1	5
		units	UTC Time in microseconds	H5T_C_S1	25
		FillValue	yyyymmdd hhmmssuuuuuu	H5T C S1	22
		comment	format: yyyymmdd hhmmssuuuuuu	H5T C S1	30
		dimension_label	Number_of_Scans	H5T_C_S1	16
0.002		Scan_FirstPixelAcqTime_HF	H5T_C_S1	Number_of_Scans	
		Attributes			
		Name	Value	Туре	Size
		long_name	date of the first pixel	H5T_C_S1	45
	#10	standard_name	time	H5T_C_S1	5
		units	UTC Time in microseconds	H5T_C_S1	25
		FillValue	yyyymmdd hhmmssuuuuuu	H5T C S1	22
		comment	format: yyyymmdd hhmmssuuuuuu	H5T C S1	30
		dimension label	Number_of_Scans	H5T C S1	16
1.007	#11	Latitude_Pixels	H5T_STD_U16LE	Number_of_Scans>	
	#11	Attributes			

		Nama	Value	Tuna	Cina
		Name	Value latitude of pixels	Type	Size
		long_name	· · · · · · · · · · · · · · · · · · ·	H5T_C_S1	77
		standard_name	latitude	H5T_C_S1	9
		units	degrees 0.01	H5T C S1	8
		scale factor	-40.0	H5T C S1	5
		add offset	[-40.0,40.0]	H5T C S1	6 13
		valid_range FillValue	65535	H5T_C_S1	
			accuracy 1km	H5T_C_S1	6
		comment dimension label	Number of Scans, Number of Pixels	H5T_C_S1 H5T_C_S1	13 59
		CLASS	IMAGE		59
		IMAGE SUBCLASS	IMAGE GRAYSCALE	H5T_C_S1	16
		IMAGE MINMAXRANGE	[0,8000]	H5T_C_S1 H5T_STD_U16LE	4
1.007		Longitude Pixels	H5T STD U16LE	Number of Scans	
1.007		Attributes	H31_31D_010EE	Nullibel_0 _3calls/	
		Name	Value	Туре	Size
			longitude of pixels	H5T C S1	78
		long_name	longitude	H5T C S1	10
		standard_name units	degrees	H5T C S1	8
		scale_factor	0.01	H5T C S1	o 5
		add offset	0.0	H5T C S1	4
	#12	valid range	[0.0,360.0]	H5T C S1	12
		FillValue	65535		6
		riiivaiue	Longitude [0,360]: 0 is Greenwich	H5T C S1	0
		comment	meridian (accuracy 1km)	H5T C S1	59
		comment dimension label	Number of Scans, Number of Pixels	H5T C S1	59 59
		CLASS	IMAGE	H5T_C_S1	59
		IMAGE SUBCLASS	IMAGE GRAYSCALE	H5T C S1	16
		IMAGE MINMAXRANGE	[0,36000]	H5T STD U16LE	4
0.503		IncidenceAngle_Pixels_LF	H5T_STD_I8LE	Number_of_Scans>	
0.303		Attributes	1131_312_1022	ivanibei_oi_beans/	
		Name	Value	Туре	Size
		long name	Incidence angle at the center of pixels	H5T C S1	52
		standard name	incidence angle	H5T C S1	16
		units	degrees	H5T C S1	8
		scale factor	0.01	H5T C S1	5
		add offset	53.0	H5T C S1	5
	#13	valid range	[51.72,54.27]	H5T C S1	14
		FillValue	127	H5T C S1	4
		comment	angle between zenith and line of sight	H5T C S1	39
		dimension label	Number of Scans, Number of Pixels	H5T C S1	59
		geolocation label	Latitude Pixels, Longitude Pixels	H5T C S1	78
		CLASS	IMAGE	H5T C S1	6
		IMAGE SUBCLASS	IMAGE GRAYSCALE	H5T C S1	16
		IMAGE MINMAXRANGE	[-128,127]	H5T STD I8LE	2
0.503		IncidenceAngle_Pixels_MF	H5T_STD_I8LE	Number of Scans>	
	1	Attributes			
		Name	Value	Туре	Size
	#14	long name	Incidence angle at the center of pixels	H5T_C_S1	52
		standard name	incidence angle	H5T C S1	16
		units	degrees	H5T C S1	8
		scale factor	0.01	H5T C S1	5
		add_offset	53.0	H5T_C_S1	5

Valid range [51.72,54.27] H5T C S1 14
Comment angle between zenith and line of sight H5T C 51 39
dimension label Number_of_Scans, Number_of_Pixels H5T_C_S1 59 geolocation label Latitude_Pixels, Longitude_Pixels H5T_C_S1 78 CLASS IMAGE H5T_C_S1 6 IMAGE_SUBCLASS IMAGE_GRAYSCALE H5T_C_S1 16 IMAGE_MINMAXRANGE [-128,127] H5T_STD_IBLE 2 IncidenceAngle_Pixels_HF H5T_STD_IBLE Number_of_Scans> Attributes Name Value Type Size long_name Incidence angle at the center of pixels H5T_C_S1 52 standard_name incidence_angle H5T_C_S1 16 units degrees H5T_C_S1 8 scale_factor 0.01 H5T_C_S1 5 add_offset 53.0 H5T_C_S1 5 valid_range [51.72,54.27] H5T_C_S1 14
Geolocation label Latitude Pixels, Longitude Pixels H5T C S1 78
CLASS
IMAGE_SUBCLASS
IMAGE_MINMAXRANGE
IncidenceAngle_Pixels_HF
Attributes Name Value Type Size long_name Incidence angle at the center of pixels H5T_C_S1 52 standard_name incidence_angle H5T_C_S1 16 units degrees H5T_C_S1 8 scale factor 0.01 H5T_C_S1 5 add_offset 53.0 H5T_C_S1 5 valid_range [51.72,54.27] H5T_C_S1 14
Name Value Type Size long name Incidence angle at the center of pixels H5T C S1 52 standard name incidence_angle H5T C S1 16 units degrees H5T C S1 8 scale factor 0.01 H5T C S1 5 add offset 53.0 H5T C S1 5 valid range [51.72,54.27] H5T C S1 14
long_name
standard name incidence angle H5T C S1 16 units degrees H5T C S1 8 scale factor 0.01 H5T C S1 5 add offset 53.0 H5T C S1 5 valid range [51.72,54.27] H5T C S1 14
units degrees H5T C S1 8 scale factor 0.01 H5T C S1 5 add offset 53.0 H5T C S1 5 valid range [51.72,54.27] H5T C S1 14
scale factor 0.01 H5T C S1 5 add offset 53.0 H5T C S1 5 valid range [51.72,54.27] H5T C S1 14
#15
#15 valid_range [51.72,54.27] H5T_C_S1 14
valid range [51.72,54.27] H5T_C_S1 14
comment angle between zenith and line of sight H5T C S1 39
dimension label Number_of_Scans, Number_of_Pixels H5T C S1 59
geolocation_label Latitude_Pixels, Longitude_Pixels H5T_C_S1 78
CLASS IMAGE H5T C S1 6
IMAGE SUBCLASS IMAGE_GRAYSCALE H5T C S1 16
IMAGE MINMAXRANGE [-128,127] H5T STD IBLE 2
1.007 TB_Pixels_18.7_H H5T_STD_U16LE Number_of_Scans>
Attributes Name of the second
Name Value Type Size
Pixels brightness temperatures at 18.7
long name H5T C S1 53
standard name brightness_temperature H5T C S1 23
units Kelvin H5T C S1 7
scale factor 0.01 H5T C S1 5
add_offset 0.0 H5T_C_S1 4
valid range [0,400] H5T C S1 8
#16 Valid_Yalige 15,400] HST_C_S1 6
quality_flag QF_Pixels_18.7_H H5T_C_S1 44
TB interpolated from L1A1 TB samples (see additionnal geometrical
comment , mar est of
dimension_label Number_of_Scans, Number_of_Pixels H5T_C_S1 56
geolocation_label Latitude_Pixels, Longitude_Pixels H5T_C_S1 78
CLASS IMAGE H5T C_S1 6
IMAGE_SUBCLASS IMAGE_GRAYSCALE H5T_C_S1 16
IMAGE_MINMAXRANGE [0,40000] H5T_STD_U16LE 4
TB_Pixels_18.7_V H5T_STD_U16LE Number_of_Scans>
Attributes
Name Value Type Size
Pixels brightness temperatures at 18.7
#17 long name V
standard_name brightness_temperature H51_C_51 25
units Kelvin H5T_C_S1 7
scale factor 0.01 H5T C S1 5
add offset 0.0 H5T C S1 4
valid_range [0,400] H5T_C_S1 8

	FillValue	65535	H5T C S1	6
	quality flag	QFPixels_18.7_V	H5T_C_S1	44
		TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS)		
	comment	· ·	H5T C S1	88
	dimension_label	Number_of_Scans, Number_of_Pixels	H5T_C_S1	56
	geolocation_label	Latitude_Pixels, Longitude_Pixels	H5T_C_S1	78
	CLASS	IMAGE	H5T_C_S1	6
	IMAGE_SUBCLASS	IMAGE_GRAYSCALE	H5T_C_S1	16
	IMAGE_MINMAXRANGE	[0,40000]	H5T_STD_U16LE	4
	TB_Pixels_23.8_V	H5T_STD_U16LE	Number_of_Scans>	
	Attributes	1		<i>C'</i>
	<u>Name</u>	Value	Туре	Size
	long name	Pixels brightness temperatures at 23.8	H5T C S1	53
	standard name	brightness temperature	H5T C S1	23
	units	Kelvin	H5T C S1	7
	scale factor	0.01	H5T C S1	5
	add offset	0.0	H5T C S1	4
	valid range	[0,400]	H5T C S1	8
#18	FillValue	65535	H5T C S1	6
	quality flag	QF Pixels 23.8 V	H5T C S1	44
	comment	TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS)	H5T C S1	88
	dimension label	Number of Scans, Number of Pixels	H5T_C_S1	56
	geolocation label	Latitude Pixels, Longitude Pixels	H5T C S1	78
	CLASS	IMAGE	H5T C S1	6
	IMAGE SUBCLASS	IMAGE GRAYSCALE	H5T C S1	16
	IMAGE MINMAXRANGE	[0,40000]	H5T STD U16LE	4
	TB_Pixels_36.5_H	H5T_STD_U16LE	Number_of_Scans>	
	Attributes			
	Name	Value	Туре	Size
	long name	Pixels brightness temperatures at 36.5	HET C C1	E2
	long name	H brightness temperature	H5T C S1	53 23
	standard_name	Kelvin	H5T C S1	7
	units scale factor	0.01	H5T_C_S1 H5T_C_S1	5
	add offset	0.0	H5T C S1	4
	valid range	[0,400]		8
#19	FillValue	65535	H5T_C_S1 H5T_C_S1	6
	quality flag	QF Pixels 36.5 H	H5T C S1	44
	comment	TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS)	H5T C S1	88
	dimension_label	Number_of_Scans, Number_of_Pixels	H5T_C_S1	56
	geolocation_label	Latitude_Pixels, Longitude_Pixels	H5T_C_S1	78
	CLASS	IMAGE	H5T_C_S1	6
	IMAGE_SUBCLASS	IMAGE_GRAYSCALE	H5T_C_S1	16
	IMAGE_MINMAXRANGE	[0,40000]	H5T_STD_U16LE	4
	TB_Pixels_36.5_V	H5T_STD_U16LE	Number_of_Scans>	
#20	Attributes			
	Name	Value	Туре	Size

1.007

		Pixels brightness temperatures at 36.5		
	long name	V	H5T C S1	53
	standard name	brightness_temperature	H5T C S1	23
	units	Kelvin	H5T C S1	7
	scale factor	0.01	H5T C S1	5
	add offset	0.0	H5T C S1	4
	valid range	[0,400]	H5T C S1	8
	FillValue	65535	H5T C S1	6
	quality flag	QF Pixels 36.5 V	H5T C S1	44
		TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS)		00
	comment	Number of Scans, Number of Pixels	H5T_C_S1	88
	dimension_label		H5T_C_S1	56
	geolocation_label	Latitude_Pixels, Longitude_Pixels	H5T_C_S1	78
	CLASS	IMAGE CRAYCOALE	H5T_C_S1	6
	IMAGE_SUBCLASS	IMAGE_GRAYSCALE	H5T_C_S1	16
	IMAGE_MINMAXRANGE	[0,40000]	H5T_STD_U16LE	4
(TB_Pixels_89.0_H	H5T_STD_U16LE	Number_of_Scans>	
	Attributes	Makua	Turne	Cina
	Name long name	Value Pixels brightness temperatures at 89.0 H	Type H5T C S1	<u>Size</u> 53
	standard name	brightness temperature	H5T C S1	23
	units	Kelvin	H5T C S1	7
	scale factor	0.01	H5T C S1	5
	add offset	0.0	H5T C S1	4
	valid range	[0,400]	H5T C S1	8
#21	FillValue	65535	H5T C S1	6
	quality flag	QF Pixels 89.0 H	H5T C S1	44
	comment	TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS)	H5T C S1	88
	dimension label	Number of Scans, Number of Pixels	H5T C S1	56
	geolocation label	Latitude Pixels, Longitude Pixels	H5T C S1	78
	CLASS	IMAGE	H5T C S1	6
	IMAGE SUBCLASS	IMAGE GRAYSCALE	H5T C S1	16
	IMAGE MINMAXRANGE	[0,40000]	H5T STD U16LE	4
	TB_Pixels_89.0_V	H5T_STD_U16LE	Number of Scans>	
	Attributes	·		
	Name	Value	Туре	Size
		Pixels brightness temperatures at 89.0	,	
	long_name	V	H5T_C_S1	53
	standard_name	brightness_temperature	H5T_C_S1	23
	units	Kelvin	H5T_C_S1	7
	scale_factor	0.01	H5T_C_S1	5
#22	add_offset	0.0	H5T_C_S1	4
	valid_range	[0,400]	H5T_C_S1	8
	FillValue	65535	H5T C S1	6
	quality flag	QFPixels_89.0_V	H5T_C_S1	44
		TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS)	UET C CC	0.5
	comment	1	H5T_C_S1	88
	dimension_label geolocation_label	Number_of_Scans, Number_of_Pixels Latitude Pixels, Longitude Pixels	H5T_C_S1 H5T_C_S1	56 78

		CLASS	IMAGE	H5T C S1	6
		IMAGE SUBCLASS	IMAGE GRAYSCALE	H5T C S1	16
		IMAGE MINMAXRANGE	[0,40000]	H5T STD U16LE	4
1.007		TB Pixels 157.0 H	H5T STD U16LE	Number of Scans>	-
1.007		Attributes	1131_315_01022	ivamber_or_scans/	
		Name	Value	Туре	Size
		Name	Pixels brightness temperatures at 157.0		3126
		long name	H	H5T C S1	53
		standard name	brightness temperature	H5T C S1	23
		units	Kelvin	H5T C S1	7
		scale factor	0.01	H5T C S1	5
		add offset	0.0	H5T C S1	4
		valid range	[0,400]	H5T C S1	8
	#23	FillValue	65535	H5T C S1	6
		quality flag	QF Pixels 157.0 H	H5T C S1	44
		,, , , , , , , , , , , , , , , , , , ,	TB interpolated from L1A1 TB samples		
			(see additionnal geometrical		
		comment	information in attributes of MADRAS)	H5T C S1	88
		dimension label	Number of Scans, Number of Pixels	H5T C S1	56
		geolocation label	Latitude Pixels, Longitude Pixels	H5T C S1	78
		CLASS	IMAGE	H5T C S1	6
		IMAGE SUBCLASS	IMAGE GRAYSCALE	H5T C S1	16
		IMAGE MINMAXRANGE	[0,40000]	H5T_STD_U16LE	4
1.007		TB Pixels 157.0 V	H5T STD U16LE	Number of Scans	
'					
		Name	Value	Туре	Size
			Pixels brightness temperatures at 157.0		
		long_name		H5T_C_S1	53
		standard_name	V brightness_temperature	H5T_C_S1 H5T_C_S1	23
		standard_name units	V brightness_temperature Kelvin	H5T C S1 H5T C S1 H5T C S1	23 7
		standard_name	V brightness_temperature Kelvin 0.01	H5T_C_S1 H5T_C_S1	23
		standard_name units	V brightness_temperature Kelvin 0.01 0.0	H5T C S1 H5T C S1 H5T C S1	23 7 5 4
	#24	standard_name units scale_factor add_offset valid_range	V brightness_temperature Kelvin 0.01 0.0 [0,400]	H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1	23 7 5
	#24	standard_name units scale_factor add_offset	V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535	H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1	23 7 5 4 8 6
	#24	standard_name units scale_factor add_offset valid_range	V brightness_temperature Kelvin 0.01 0.0 [0,400]	H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1	23 7 5 4 8
	#24	standard_name units scale_factor add_offset valid_range FillValue	V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535 QF_Pixels_157.0_V TB interpolated from L1A1 TB samples	H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1	23 7 5 4 8 6
	#24	standard_name units scale_factor add_offset valid_range FillValue	V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535 QF_Pixels_157.0_V TB interpolated from L1A1 TB samples (see additionnal geometrical	H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1	23 7 5 4 8 6
	#24	standard_name units scale_factor add_offset valid_range FillValue	V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535 QF_Pixels_157.0_V TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS)	H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1	23 7 5 4 8 6
	#24	standard_name units scale factor add_offset valid_range FillValue quality flag	V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535 QF_Pixels_157.0_V TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS) Number_of_Scans, Number_of_Pixels	H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1	23 7 5 4 8 6 44
	#24	standard_name units scale_factor add_offset valid_range FillValue quality_flag comment	V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535 QF_Pixels_157.0_V TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS) Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels	H5T_C_S1	23 7 5 4 8 6 44
	#24	standard_name units scale_factor add_offset valid_range FillValue quality_flag comment dimension_label	V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535 QF_Pixels_157.0_V TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS) Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels IMAGE	H5T_C_S1	23 7 5 4 8 6 44
	#24	standard_name units scale_factor add_offset valid_range FillValue quality_flag comment dimension_label geolocation_label	V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535 QF_Pixels_157.0_V TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS) Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels IMAGE IMAGE_GRAYSCALE	H5T_C_S1	23 7 5 4 8 6 44 88 56 78
	#24	standard_name units scale_factor add_offset valid_range FillValue quality_flag comment dimension_label geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE	V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535 QF_Pixels_157.0_V TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS) Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels IMAGE IMAGE_IMAGE_GRAYSCALE [0,40000]	H5T C S1	23 7 5 4 8 6 44 88 56 78 6
1.007	#24	standard_name units scale_factor add_offset valid_range FillValue quality_flag comment dimension_label geolocation_label CLASS IMAGE_SUBCLASS	V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535 QF_Pixels_157.0_V TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS) Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels IMAGE IMAGE_GRAYSCALE	H5T_C_S1	23 7 5 4 8 6 44 88 56 78 6 16
1.007		standard_name units scale_factor add_offset valid_range FillValue quality_flag comment dimension_label geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE	V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535 QF_Pixels_157.0_V TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS) Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels IMAGE IMAGE_GRAYSCALE [0,40000] H5T_STD_U16LE	H5T C S1	23 7 5 4 8 6 44 88 56 78 6 16
1.007	#24 #25	standard_name units scale_factor add_offset valid_range FillValue quality_flag comment dimension_label geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE QF_Pixels_18.7_H	V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535 QF_Pixels_157.0_V TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS) Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels IMAGE IMAGE_IMAGE_GRAYSCALE [0,40000] H5T_STD_U16LE	H5T C S1	23 7 5 4 8 6 44 88 56 78 6 16 4
1.007		standard_name units scale_factor add_offset valid_range FillValue quality_flag comment dimension_label geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE QF_Pixels_18.7_H Attributes	V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535 QF_Pixels_157.0_V TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS) Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels IMAGE IMAGE_IMAGE_GRAYSCALE [0,40000] H5T_STD_U16LE Value Quality Flag of pixel for channel 18.7_H	H5T C S1	23 7 5 4 8 6 44 88 56 78 6 16 4
1.007		standard_name units scale_factor add_offset valid_range FillValue quality_flag comment dimension_label geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE QF_Pixels_18.7_H Attributes Name	V brightness_temperature Kelvin 0.01 0.0 [0,400] 65535 QF_Pixels_157.0_V TB interpolated from L1A1 TB samples (see additionnal geometrical information in attributes of MADRAS) Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels IMAGE IMAGE_IMAGE_GRAYSCALE [0,40000] H5T_STD_U16LE	H5T C S1	23 7 5 4 8 6 44 88 56 78 6 16 4

			16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint , #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF		
			status, #10:Level 0 count error, #9 Level 0 hot or cold error . #8:		
			geolocation poor estimation, #7-6:		
			calibration flag, #5-4: TB corrected,		
			#3: interpolation quality, #2: AGC/AOC		
		comment		H5T_C_S1	1
		dimension_label	Number_of_Scans, Number_of_Pixels	H5T_C_S1	56
		geolocation_label	Latitude_Pixels, Longitude_Pixels	H5T_C_S1	78
		CLASS	IMAGE	H5T_C_S1	6
		IMAGE SUBCLASS	IMAGE_GRAYSCALE	H5T C S1	16
		IMAGE_MINMAXRANGE	[0,8000]	H5T STD U16LE	4
1.007		QF_Pixels_18.7_V	H5T_STD_U16LE	Number_of_Scans>	
		Attributes			
		Name	Value	Туре	Size
		long_name		H5T_C_S1	71
		standard_name	quality flag	H5T_C_S1	13
			16-bits array (=0:good / =1:bad):,		
			#15:TB validity flag, #14:sun glint,		
			#13: Land/Sea contamination, #12:		
			surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9		
	#26		Level 0 hot or cold error, #8:		
			geolocation poor estimation, #7-6:		
			calibration flag, #5-4: TB corrected,		
			#3: interpolation quality, #2: AGC/AOC		
		comment	loop, #1-0:ice flag	H5T_C_S1	1
		dimension label	Number_of_Scans, Number_of_Pixels	H5T C S1	56
		geolocation label	Latitude_Pixels, Longitude_Pixels	H5T C S1	78
		CLASS	IMAGE	H5T C S1	6
		IMAGE SUBCLASS	IMAGE GRAYSCALE	H5T C S1	16
		IMAGE MINMAXRANGE	[0,8000]	H5T STD U16LE	4
1.007		QF_Pixels_23.8_V	H5T_STD_U16LE	Number_of_Scans>	
		Attributes			
		Name	Value	Туре	Size
		long name	Quality Flag of pixel for channel 23.8_V	H5T C S1	71
		standard name	quality flag	H5T C S1	13
			16-bits array (=0:good / =1:bad):,		
			#15:TB validity flag, #14:sun glint,		
			#13: Land/Sea contamination, #12:		
			surface type, #11:Channel ON/OFF		
	#27		status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8:		
			geolocation poor estimation, #7-6:		
			calibration flag, #5-4: TB corrected,		
			#3: interpolation quality, #2: AGC/AOC		
		comment		H5T C S1	1
		dimension label		H5T C S1	56
		geolocation label	Latitude_Pixels, Longitude_Pixels	H5T C S1	78
		CLASS	IMAGE	H5T C S1	6
		IMAGE SUBCLASS	IMAGE GRAYSCALE	H5T C S1	16
		IMAGE MINMAXRANGE		H5T STD U16LE	4
1.007	#28	QF_Pixels_36.5_H		Number_of_Scans>	
		,			

		Attributes			
		Name	Value	Type	Size
		long name	Quality Flag of pixel for channel 36.5_H		71
		standard name	quality flag	H5T C S1	13
		comment	16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag	H5T C S1	13
		dimension label	Number_of_Scans, Number_of_Pixels	H5T C S1	56
		geolocation label	Latitude_Pixels, Longitude_Pixels	H5T C S1	78
		CLASS	IMAGE	H5T C S1	6
		IMAGE SUBCLASS	IMAGE_GRAYSCALE	H5T C S1	16
		IMAGE MINMAXRANGE	[0,8000]	H5T STD U16LE	4
1.007		QF_Pixels_36.5_V	H5T_STD_U16LE	Number_of_Scans>	
		Attributes		· -	
		Name	Value	Туре	Size
		long name	Quality Flag of pixel for channel 36.5_V	H5T C S1	71
		standard name	quality flag	H5T C S1	13
	#29	comment	16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag	H5T C S1	1
		dimension label	Number of Scans, Number of Pixels	H5T C S1	56
		geolocation label	Latitude Pixels, Longitude Pixels	H5T C S1	78
		CLASS	IMAGE	H5T C S1	6
		IMAGE SUBCLASS	IMAGE GRAYSCALE	H5T C S1	16
		IMAGE_SOBCEASS IMAGE MINMAXRANGE	[0,8000]	H5T STD U16LE	4
1.007		QF Pixels 89.0 H	H5T_STD_U16LE	Number of Scans	•
		Attributes			
		Name	Value	Туре	Size
		long name	Quality Flag of pixel for channel 89.0_H		71
		standard name	quality flag	H5T C S1	13
	#30	comment	16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag	H5T C S1	1
		dimension label	Number of Scans, Number of Pixels	H5T C S1	56
		geolocation label	Latitude Pixels, Longitude Pixels	H5T C S1	78
					-

MAGE SIBICLASS MAGE GRAYSCALE MST C.S1 16			CLASS	IMAGE	H5T C S1	6
1,007 Name						
#31 #31 #31 #31 #31 #31 #31 #31			_			
#31 #31 #31 #31 #31 #31 #31 #31	1 007					-
Mame	1.007			1131_315_61622	Tramber_or_scans/	
Sing_name				Value	Type	Siza
#31 Standard name						
#31 #31 16-bits array (=0':good / =1:bad); #15:TS validity flag; #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ONOFF status, #10:Level 0 count error, #9 Level hot or cold error, #8; #15:TS validity flag; #16:Distantion flag; #5-8: TB corrected, #3: interpolation quality, #2: ACC/ADC loop, #1-0:ce flag with flag; #15:TS validity flag; #15:T						
#31 #31 #31 #31 #31 #31 #31 #31 #31 #31			standard_name		H31_C_31	13
#32 #32 #33 dimension label Number of Scans, Number of Pixels HST C S1 56 geolocation label Latitude Pixels, Longitude Pixels HST C S1 78 T8 T8 T8 T8 T8 T8 T8		#31		#15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC		
#32 #32 #32 #33 Geolocation label Latitude Pixels, Longitude Pixels HST C, S1 78 78 78 78 78 78 78 7			comment	loop, #1-0:ice flag	H5T_C_S1	1
#32 CLASS IMAGE HST C S1 6 IMAGE SUBCLASS IMAGE GRAYSCALE HST C S1 16 IMAGE MINMAXRANGE [0,8000] HST STD U16LE 4 A Value Number of Scans> Attributes Name Value Type Size Iong name H HST C S1 13 Iong name H HST C S1 13 Iong name H HST C S1 13 Iong name HST C S1 14 Iong name HST C S1 15 Iong name HST C S1 16 Iong name HST C S1 17 Iong name			dimension_label		H5T_C_S1	56
MAGE SUBCLASS MAGE GRAYSCALE H5T_C S1 16			geolocation_label	Latitude_Pixels, Longitude_Pixels	H5T_C_S1	78
1.007 MAGE MINMAXRANGE [0,8000] H5T STD U16LE 4 OF Pixels 157.0 H			CLASS	IMAGE	H5T_C_S1	6
OF Pixels 157.0 H			IMAGE_SUBCLASS	IMAGE_GRAYSCALE	H5T_C_S1	16
#32 #32 #32 #34 Attributes Name Value Value Type Size Quality Flag of pixel for channel 157.0 H5T C S1 71 16-bits array (=0:good / =1:bad): #15:TB validity flag, #14:sun glint, #13:Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation pore estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC comment dimension label loop, #1-0:ice flag loop, #1-0:ice flag H5T C S1 dimension label geolocation label latitude Pixels, Longitude Pixels H5T C S1 78 CLASS MAGE MAGE MAGE MAGE GRAYSCALE H5T C S1 16 IMAGE SUBCLASS MAGE MAGE GRAYSCALE H5T C S1 16 IMAGE MIMMAXRANGE [0.8000] H5T STD U16LE Attributes Name Value Type Size long name Value Type Size Name Value Type Size Name Value Type Size			IMAGE MINMAXRANGE	[0,8000]	H5T STD U16LE	4
#32 Name Value Type Size	1.007		QF_Pixels_157.0_H	H5T_STD_U16LE	Number_of_Scans>	
#32 long name			Attributes			
#32 #32 #32 #32 #33 #34 #35 long name			Name		Туре	Size
#32 #32 #32 #32 #33 #33 #34 #35 #36-bits array (=0:good / =1:bad):, #15T C S1			long name			
#32 #32 #32 #32 #32 #33 #33 #34 #35. TB validity flag, #14:sun glint, #13: sund/sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag #37 #38 #39 #39 #39 #39 #39 #39 #39				I FI	IH5T C S1	71 l
#33 Geolocation label Latitude_Pixels, Longitude_Pixels H5T C S1 78				-		
CLASS		#32	standard name comment	quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag	H5T C S1	13
#33 MAGE SUBCLASS IMAGE_GRAYSCALE H5T_C S1 16 MAGE MINMAXRANGE [0,8000] H5T_STD_U16LE 4 OF Pixels_157.0_V H5T_STD_U16LE Number_of_Scans>		#32	standard name comment dimension label	quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint , #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error , #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number_of_Scans, Number_of_Pixels	H5T C S1 H5T C S1 H5T C S1	13 1 56
IMAGE MINMAXRANGE		#32	comment dimension label geolocation label	quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels	H5T C S1 H5T C S1 H5T C S1 H5T C S1	13 1 56 78
1.007 QF_Pixels_157.0_V		#32	comment dimension label geolocation label CLASS	quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint , #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error , #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels IMAGE	H5T C S1	13 1 56 78 6
#33 Attributes Name Value Type Size Quality Flag of pixel for channel 157.0 V H5T_C_S1 71		#32	comment dimension label geolocation label CLASS IMAGE_SUBCLASS	quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint , #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error , #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels IMAGE IMAGE IMAGE_GRAYSCALE	H5T C S1	13 1 56 78 6 16
#33 Name Value Type Size		#32	comment dimension label geolocation label CLASS IMAGE SUBCLASS IMAGE_MINMAXRANGE	quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels IMAGE IMAGE [0,8000]	H5T C S1	13 1 56 78 6 16
#33 Quality Flag of pixel for channel 157.0 H5T_C_S1 71	1.007	#32	comment dimension label geolocation label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE QF_Pixels_157.0_V	quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels IMAGE IMAGE [0,8000]	H5T C S1	13 1 56 78 6 16
Quality Flag of pixel for channel 157.0	1.007	#32	comment dimension label geolocation label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE QF_Pixels_157.0_V Attributes	quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint , #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error , #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels IMAGE IMAGE IMAGE_GRAYSCALE [0,8000] H5T_STD_U16LE	H5T C S1	13 1 56 78 6 16 4
	1.007		comment dimension label geolocation label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE QF_Pixels_157.0_V Attributes	quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint , #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error , #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels IMAGE IMAGE IMAGE [0,8000] H5T_STD_U16LE	H5T C S1	13 1 56 78 6 16 4
	1.007		comment dimension label geolocation label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE QF_Pixels_157.0_V Attributes Name	quality flag 16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint , #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error , #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC loop, #1-0:ice flag Number_of_Scans, Number_of_Pixels Latitude_Pixels, Longitude_Pixels IMAGE IMAGE IMAGE [0,8000] H5T_STD_U16LE Value Quality Flag of pixel for channel 157.0	H5T C S1 H5T STD U16LE Number_of_Scans>	13 1 56 78 6 16 4 Size

	16-bits array (=0:good / =1:bad):, #15:TB validity flag, #14:sun glint, #13: Land/Sea contamination, #12: surface type, #11:Channel ON/OFF status, #10:Level 0 count error, #9 Level 0 hot or cold error, #8: geolocation poor estimation, #7-6: calibration flag, #5-4: TB corrected, #3: interpolation quality, #2: AGC/AOC		
comment	loop, #1-0:ice flag	H5T_C_S1	1
dimension_label	Number_of_Scans, Number_of_Pixels	H5T_C_S1	56
geolocation_label	Latitude_Pixels, Longitude_Pixels	H5T_C_S1	78
CLASS	IMAGE	H5T_C_S1	6
IMAGE SUBCLASS	IMAGE_GRAYSCALE	H5T C S1	16
IMAGE MINMAXRANGE	[0,8000]	H5T STD U16LE	4

MADRAS

L1B

Estimated Size	for typical [Number_of_Rows_5km, Number_of_Rows_10km]
76.786 Mb	[7674,3837]

Science data group associated attributes

ScienceData

	Attributes				
Index	Name	Value	Туре	Size	
#1	Product_Identification	MT1MADSL1B1.00_9_01_I_2012_05_09_0000	H5T_C_S1	84	
#2	Organization_Name	ISRO	H5T_C_S1	5	
#3	Property_of_data	ISRO_ and_CNES	H5T_C_S1	15	
#4	Satellite_Name	MEGHA-TROPIQUES	H5T_C_S1	16	
#5	Payload_Name	MADRAS	H5T_C_S1	12	
#6	Product_Name	Level-1B-segment wise	H5T_C_S1	35	
#7	Product_Format	NCSA-HDF	H5T_C_S1	9	
#8	Product_Format_Version	HDF5-1.6.4	H5T_C_S1	11	
#9	Product_Generation_Date	2012MAI09	H5T_C_S1	10	
#10	Imaging_Date	2012MAI09	H5T_C_S1	10	
#11	Date_Format	YYYYMMMDD	H5T_C_S1	10	
#12	INS_AuxFile_Version	9_01	H5T_C_S1	5	
#13	PRO_AuxFile_Version	9_01	H5T_C_S1	5	
#14	RAD_AuxFile_Version	9_01	H5T_C_S1	5	
#15	GEO_AuxFile_Version	9_01	H5T_C_S1	5	
#16	PCS_AuxFile_Version	9_01	H5T_C_S1	5	
#17	SLC_AuxFile_Version	9_01	H5T_C_S1	5	
#18	GRB_AuxFile_Version	9_01	H5T_C_S1	5	
#19	UCS_AuxFile_Version	9_01	H5T_C_S1	5	
#20	Number_of_Channels	9	H5T_C_S1	8	
#21	Channel_CentralFrequency	[018.7 GHz,018.7 GHz,023.8 GHz,036.5 GHz,0	H5T_C_S1	92	
#22	Channel_Polarization	[H,V,V,H,V,H,V]	H5T_C_S1	20	
#23	Channel_Bandwith	[100 MHz,100 MHz,200 MHz,500 MHz,500 MH:	H5T_C_S1	78	
#24	Number_of_Resolutions	3	H5T_C_S1	8	
#25	ChannelList_LF	[18.7 GHz, 23.8 GHz, 36.5 GHz]	H5T_C_S1	31	
#26	ChannelList_MF	[89.0 GHz]	H5T_C_S1	11	
#27	ChannelList_HF	[157.0 GHz]	H5T_C_S1	12	
#28	GridFrequencyList_5km	[157 GHz]	H5T_C_S1	10	
#29	GridFrequencyList_10km	[18.7 GHz,23.8 GHz,36.5 GHz,89.0 GHz]	H5T_C_S1	38	
#30	SunGlint_Limits	[0,30]degrees	H5T_C_S1	15	
#31	Orbit_StartNumber	00001	H5T_C_S1	19	
#32	Orbit_EndNumber	00001	H5T_C_S1	17	
#33	Orbit_Cycle_Number	01	H5T_C_S1	3	
#34	SLConf	100001	H5T_C_S1	7	
#35	Nskip	0005	H5T_C_S1	5	
#36	ProcessorVersion	1.00	H5T_C_S1	5	

#37	MADRAS_QF_Row_Definition	16-bits array (=0:good, =1:bad): #15:Scan/row validity flag, #14:pass type, #13:scanning type, #12:scan/row error, #11:datation error, #10:PRT error, #9:encoder error, #8 madras correction flag #7 to 6 blank, #5 to 3:Payload mod, #2 to 0 :Satellite mod	H5T_C_S1	16x24
#38	MADRAS_QF_Cell_Definition	16-bits array (=0:good / =1:bad):, #15:TB va	H5T C S1	16x24
#39	Skip_StartScanNumber	[00000064,00000165,00000266,00000367,00		1*Nskip
#40	Skip_EndScanNumber	[00000066,00000167,00000268,00000370,00	H5T_C_S1	1*Nskip
#41	Flip_StartScanNumber	00000012	H5T_C_S1	9
#42	Flip_EndScanNumber	00000042	H5T_C_S1	9
#43	Maneuver_StartScanNumber	00000011	H5T_C_S1	9
#44	Maneuver_EndScanNumber	0000043	H5T_C_S1	9
#45	Number_of_Rows_5km	7674	H5T_C_S1	8
#46	Number_of_Columns_5km	361	H5T_C_S1	8
#47	Number_of_Rows_10km	3837	H5T_C_S1	8
#48	Number_of_Columns_10km	181	H5T_C_S1	8
#49	Number_of_Processed_Rows_5kr		H5T_C_S1	8
#50	Number_of_Processed_Rows_10		H5T_C_S1	8
#51	QF_Product_%Processed_Rows_5		H5T_C_S1	4
#52	QF_Product_%Processed_Rows_1	099	H5T_C_S1	4

Science data group elements

Estimated size of dataset [Mb]	
0.007	

Index	Name	Туре	Typical Value	
	Row_MADRAS_QF_10km	H5T_STD_U16LE	Number_of_Rows_:	
	Attributes			
	Name	Value	Туре	Size
	long_name	Quality flag applicable to the row line	H5T_C_S1	40
#1		16-bits array (=0:good, =1:bad): #0: scan/row quality flag validity, #1: pass type, #2: Scanning type, #3: Scan/Row error out of limits, #4: datation error, #5: PRT error, #6: encoder error, #7: AGC/AOC loop, #8-9: Blank, #10-12:	H5T C S1 H5T C S1	274 20
	geolocation_label	Row_StartTime_10km_LF	H5T_C_S1	22
	Row_MADRAS_QF_5km	H5T_STD_U16LE	Number_of_Rows_!	
#2	Attributes			
#2	Name	Value	Type	Size
	long_name	Quality flag applicable to the row line	H5T_C_S1	40

			16-bits array (=0:good, =1:bad) : #0:		
			scan/row quality flag validity, #1: pass		
			type, #2: Scanning type, #3: Scan/Row		
			lerror out of limits. #4: datation error.		
			#5: PRT error, #6: encoder error, #7:		
			AGC/AOC loop, #8-9: Blank, #10-12:		
		comment	payload mode, #13-15: satellite mode	H5T C S1	274
		dimension label	Number of Rows 5km	H5T C S1	19
		geolocation label	Row StartTime 5km 157	H5T C S1	22
0.029		Row Number 5km	H5T STD U32LE	Number of Rows !	22
0.029		Attributes	1131_310_032EE	INGITIDE! OI_NOWS	
			1/-1	T	C!
	#3	Name	Value	Туре	Size
		long_name	Row Number (5km grid)	H5T_C_S1	29
		comment	Row Number (5km grid)	H5T C S1	29
		dimension_label	Number_of_Rows_5km	H5T_C_S1	26
0.015		Row_Number_10km	H5T_STD_U32LE	Number_of_Rows_:	
		Attributes			
	44	Name	Value	Туре	Size
	#4	long name	Row Number (10km grid)	H5T C S1	29
		comment	Row Number (10km grid)	H5T C S1	29
		dimension label	Number of Rows 10km	H5T C S1	26
0.004		Row_FirstCellAcqTime_10km_LF	H5T C S1	Number of Rows	20
0.004		Attributes	1131_6_31	INGITIDEI_OI_INGW3	
			1/-1	T	C!
		Name	Value	Туре	Size
			date for the first cell of the row (10km		
	#5	long_name	grid) for LF channels	H5T_C_S1	105
	5	standard_name	time	H5T_C_S1	5
		units	UTC Time in microseconds	H5T_C_S1	25
		FillValue	yyyymmdd hhmmssuuuuuu	H5T C S1	22
		comment	format: yyyymmdd hhmmssuuuuuu	H5T C S1	32
		dimension_label	Number of Rows 10km	H5T C S1	37
0.004		Row_FirstCellAcqTime_10km_MF	H5T C S1	Number of Rows	
		Attributes	- 		
		Name	Value	Type	Size
		Traine	date for the first cell of the row (10km	.,,,,,	5.20
		long name	arid) for MF channels	H5T C S1	105
	#6	long_name	time	H5T C S1	5
		standard_name			
		units	UTC Time in microseconds	H5T_C_S1	25
		_FillValue	yyyymmdd hhmmssuuuuuu	H5T_C_S1	22
		comment	format: yyyymmdd hhmmssuuuuuu	H5T_C_S1	32
		dimension label	Number_of_Rows_10km	H5T C S1	37
0.007		Row_FirstCellAcqTime_5km_HF	H5T_C_S1	Number_of_Rows_!	
		Attributes			
		Name	Value	Туре	Size
			date for the first cell of the row (5km		
	#7	long name	grid) for HF channels	H5T C S1	105
	# /	standard name	time	H5T C S1	5
		units	UTC Time in microseconds	H5T C S1	25
		FillValue	yyyymmdd hhmmssuuuuuu	H5T C S1	22
		comment	format: yyyymmdd hhmmssuuuuuu	H5T C S1	32
		dimension label	Number of Rows 5km	H5T C S1	37
1.325		Cell_population_10km_18.7H	H5T STD U16LE	Number of Rows	31
1.323	#8		H31_31D_010FE	INGUIDEL OF VOMS	
	#0	Attributes	No. b	T	Ci
		Name	Value	Туре	Size

		lang nama	Cell population for channel 18.7	LIET C C1	FO
		long_name	65535	H5T_C_S1	52
		_FillValue		H5T_C_S1	6
		comment	number of samples per Cell	H5T_C_S1	40
			Number_of_Rows_10km,		
		dimension_label	Number_of_Columns_10km	H5T_C_S1	82
			Latitude_Cells_10km,		
		geolocation_label	Longitude_Cells_10km	H5T_C_S1	88
		CLASS	IMAGE	H5T_C_S1	6
		IMAGE SUBCLASS	IMAGE_GRAYSCALE	H5T C S1	16
		IMAGE MINMAXRANGE	[0,65535]	H5T STD U16LE	4
1.325		Cell_population_10km_18.7V	H5T STD U16LE	Number of Rows	
		Attributes			
		Name	Value	Туре	Size
			Cell population for channel 18.7		
		long_name		H5T_C_S1	52
		_FillValue	65535	H5T_C_S1	6
	"0	comment	number of samples per Cell	H5T_C_S1	40
	#9		Number_of_Rows_10km,		
		dimension_label	Number_of_Columns_10km	H5T_C_S1	82
			Latitude_Cells_10km,		
		geolocation_label	Longitude_Cells_10km	H5T_C_S1	88
		CLASS	IMAGE	H5T_C_S1	6
		IMAGE SUBCLASS	IMAGE_GRAYSCALE	H5T C S1	16
		IMAGE MINMAXRANGE	[0,65535]	H5T STD U16LE	4
1.325		Cell_population_10km_23.8V	H5T STD U16LE	Number of Rows	
1.323		Attributes	1101_010_01011	114111501_01_110115_1	
		Name	Value	Type	Size
		long_name	Cell population for channel 23.8	H5T_C_S1	52
		_FillValue	65535	H5T_C_S1	6
		comment	number of samples per Cell	H5T_C_S1	40
	#10		Number_of_Rows_10km,		
		dimension label	Number_of_Columns_10km	H5T C S1	82
			Latitude Cells 10km,		
		geolocation_label	Longitude_Cells_10km	H5T_C_S1	88
		CLASS	IMAGE	H5T C S1	6
		IMAGE SUBCLASS	IMAGE_GRAYSCALE	H5T C S1	16
		IMAGE MINMAXRANGE	[0,65535]	H5T STD U16LE	4
1.325		Cell population 10km 36.5H	H5T STD U16LE	Number of Rows	,
1.323		Attributes	1131_312_31322		
		Name	Value	Туре	Size
		long name	Cell population for channel 36.5	H5T C S1	52
		FillValue	65535	H5T_C_S1	6
	,,	comment	number of samples per Cell	H5T_C_S1	40
	#11		Number_of_Rows_10km,		
		dimension label	Number_of_Columns_10km	H5T C S1	82
			Latitude_Cells_10km,		
		geolocation_label	Longitude Cells 10km	H5T_C_S1	88
		CLASS	IMAGE	H5T C S1	6
		IMAGE SUBCLASS	IMAGE_GRAYSCALE	H5T C S1	16
		IMAGE MINMAXRANGE	[0,65535]	H5T STD U16LE	4
1.325		Cell population 10km 36.5V	H5T STD U16LE	Number of Rows	,
1.323		Attributes	1.51_515_51515		
	#12	Name	Value	Tuno	Size
	#12			Type	
		long_name	Cell population for channel 36.5	H5T_C_S1	52
		_FillValue	65535	H5T_C_S1	6

			number of samples per Cell	LIET C C1	40
		comment		H5T_C_S1	40
			Number_of_Rows_10km,		
		dimension_label	Number_of_Columns_10km	H5T_C_S1	82
			Latitude_Cells_10km,		
		geolocation_label	Longitude_Cells_10km	H5T_C_S1	88
		CLASS	IMAGE	H5T_C_S1	6
		IMAGE_SUBCLASS	IMAGE_GRAYSCALE	H5T_C_S1	16
		IMAGE_MINMAXRANGE	[0,65535]	H5T_STD_U16LE	4
1.325		Cell_population_10km_89.0H	H5T_STD_U16LE	Number_of_Rows_	
		Attributes			
		Name	Value	Туре	Size
		long name	Cell population for channel 89.0	H5T C S1	52
		FillValue	65535	H5T C S1	6
	#13	comment	number of samples per Cell	H5T_C_S1	40
	#13		Number_of_Rows_10km,		
		dimension_label	Number_of_Columns_10km	H5T_C_S1	82
			Latitude_Cells_10km,		
		geolocation_label	Longitude_Cells_10km	H5T_C_S1	88
		CLASS	IMAGE	H5T_C_S1	6
		IMAGE_SUBCLASS	IMAGE_GRAYSCALE	H5T_C_S1	16
		IMAGE_MINMAXRANGE	[0,65535]	H5T STD U16LE	4
1.325		Cell population 10km 89.0V	H5T STD U16LE	Number of Rows	
		Attributes			
		Name	Value	Туре	Size
			Cell population for channel 89.0	H5T C S1	
		long name	65535		52
		FillValue		H5T C S1	6
	#14	comment	number of samples per Cell	H5T_C_S1	40
	#14		Number_of_Rows_10km,		
		dimension_label	Number_of_Columns_10km	H5T_C_S1	82
			Latitude_Cells_10km,		
		geolocation_label	Longitude Cells 10km	H5T C S1	88
		CLASS	IMAGE	H5T_C_S1	6
		IMAGE_SUBCLASS	IMAGE_GRAYSCALE	H5T_C_S1	16
		IMAGE MINMAXRANGE	[0,65535]	H5T STD U16LE	4
5.284		Cell_population_5km_157.0H	H5T STD U16LE	Number of Rows !	
		Attributes			
		Name	Value	Туре	Size
		long name	Cell population for channel 157.0	H5T C S1	52
		FillValue	65535		6
				H5T C S1	
	#15	comment	number of samples per Cell	H5T C S1	40
	#13		Number_of_Rows_5km,		
		dimension_label	Number_of_Columns_5km	H5T_C_S1	82
			Latitude_Cells_5km,		
		geolocation_label	Longitude_Cells_5km	H5T_C_S1	88
		CLASS	IMAGE	H5T C S1	6
		IMAGE_SUBCLASS	IMAGE_GRAYSCALE	H5T_C_S1	16
		IMAGE_MINMAXRANGE	[0,65535]	H5T_STD_U16LE	4
5.284		Cell_population_5km_157.0V	H5T_STD_U16LE	Number_of_Rows_!	
		Attributes			
		Name	Value	Туре	Size
	#16	long name	Cell population for channel 157.0	H5T C S1	52
			65535		
		_FillValue comment	number of samples per Cell	H5T_C_S1 H5T_C_S1	6 40

		dimension label	Number_of_Rows_5km, Number of Columns 5km	H5T C S1	82
		_	Latitude_Cells_5km,		
		geolocation_label	Longitude Cells 5km	H5T_C_S1	88
		CLASS	IMAGE CRAYGONE	H5T_C_S1	6
		IMAGE_SUBCLASS	IMAGE_GRAYSCALE	H5T_C_S1	16
F 204		IMAGE_MINMAXRANGE	[0,65535]	H5T_STD_U16LE	4
5.284		Latitude_Cells_5km Attributes	H5T_STD_U16LE	Number_of_Rows_!	
		Name	Value	Туре	Size
			latitude of cells (5km grid)		49
		long name standard name	latitude	H5T_C S1 H5T C S1	49 9
		units	degrees	H5T C S1	<u>9</u> 8
		scale factor	0.01	H5T C S1	<u>6</u>
		add offset	-40	H5T C S1	4
	#17	valid range	[-40,40]	H5T_C_S1	9
	" - "	min max	[0,8000]	H5T C S1	9
		FillValue	65535	H5T C S1	6
		comment	accuracy 1km	H5T C S1	13
		comment	Number of Rows 5km,	1131 6 31	
		dimension label	Number_of_Columns_5km	H5T C S1	56
		CLASS	IMAGE	H5T C S1	6
		IMAGE SUBCLASS	IMAGE GRAYSCALE	H5T C S1	16
		IMAGE MINMAXRANGE	[0,8000]	H5T STD U16LE	4
1.325		Latitude Cells 10km	H5T_STD_U16LE	Number of Rows	
		Attributes			
		Name	Value	Type	Size
					5,20
		long name	latitude of cells (10km grid)		
				H5T C S1 H5T C S1	49
		long name	latitude of cells (10km grid)	H5T C S1	49
		long name standard name	latitude of cells (10km grid) latitude	H5T C S1 H5T C S1	49 9
		long name standard name units	latitude of cells (10km grid) latitude degrees 0.01 -40	H5T C S1 H5T C S1 H5T C S1	49 9 8
	#18	long name standard name units scale factor	latitude of cells (10km grid) latitude degrees 0.01 -40 [-40,40]	H5T C S1 H5T C S1 H5T C S1 H5T C S1	49 9 8 5
	#18	long name standard name units scale factor add offset valid_range min_max	latitude of cells (10km grid) latitude degrees 0.01 -40 [-40,40] [0,8000]	H5T C S1 H5T C S1 H5T C S1 H5T C S1 H5T C S1 H5T C S1 H5T C S1	49 9 8 5 4 9
	#18	long name standard name units scale factor add offset valid_range	latitude of cells (10km grid) latitude degrees 0.01 -40 [-40,40] [0,8000] 65535	H5T C S1 H5T C S1 H5T C S1 H5T C S1 H5T C S1 H5T C S1	49 9 8 5 4 9 9
	#18	long name standard name units scale factor add offset valid_range min_max	latitude of cells (10km grid) latitude degrees 0.01 -40 [-40,40] [0,8000]	H5T C S1 H5T C S1 H5T C S1 H5T C S1 H5T C S1 H5T C S1 H5T C S1	49 9 8 5 4 9
	#18	long name standard name units scale factor add offset valid_range min_max FillValue	latitude of cells (10km grid) latitude degrees 0.01 -40 [-40,40] [0,8000] 65535 accuracy 1km Number_of_Rows_10km,	H5T C S1	49 9 8 5 4 9 9 6 13
	#18	long name standard name units scale factor add offset valid_range min_max FillValue comment dimension label	latitude of cells (10km grid) latitude degrees 0.01 -40 [-40,40] [0,8000] 65535 accuracy 1km Number_of_Rows_10km, Number_of_Columns_10km	H5T C S1	49 9 8 5 4 9 9 6 13
	#18	long name standard name units scale factor add offset valid range min_max FillValue comment dimension label CLASS	latitude of cells (10km grid) latitude degrees 0.01 -40 [-40,40] [0,8000] 65535 accuracy 1km Number_of_Rows_10km, Number_of_Columns_10km IMAGE	H5T C S1	49 9 8 5 4 9 9 6 13
	#18	long name standard name units scale factor add offset valid range min_max FillValue comment dimension label CLASS IMAGE SUBCLASS	latitude of cells (10km grid) latitude degrees 0.01 -40 [-40,40] [0,8000] 65535 accuracy 1km Number_of_Rows_10km, Number_of_Columns_10km IMAGE IMAGE_GRAYSCALE	H5T C S1	49 9 8 5 4 9 9 6 13 56 6 16
	#18	long name standard name units scale factor add offset valid range min_max FillValue comment dimension label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE	latitude of cells (10km grid) latitude degrees 0.01 -40 [-40,40] [0,8000] 65535 accuracy 1km Number_of_Rows_10km, Number_of_Columns_10km IMAGE IMAGE_GRAYSCALE [0,8000]	H5T C S1	49 9 8 5 4 9 9 6 13
5.284	#18	long name standard name units scale factor add offset valid range min_max FillValue comment dimension label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE Longitude_Cells_5km	latitude of cells (10km grid) latitude degrees 0.01 -40 [-40,40] [0,8000] 65535 accuracy 1km Number_of_Rows_10km, Number_of_Columns_10km IMAGE IMAGE_GRAYSCALE	H5T C S1	49 9 8 5 4 9 9 6 13 56 6 16
5.284	#18	long name standard name units scale factor add offset valid range min_max FillValue comment dimension label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE Longitude_Cells_5km Attributes	latitude of cells (10km grid) latitude degrees 0.01 -40 [-40,40] [0,8000] 65535 accuracy 1km Number_of_Rows_10km, Number_of_Columns_10km IMAGE IMAGE_GRAYSCALE [0,8000] H5T_STD_U16LE	H5T C S1	49 9 8 5 4 9 9 6 13 56 6 16 4
5.284	#18	long name standard name units scale factor add offset valid range min_max FillValue comment dimension label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE Longitude_Cells_5km Attributes Name	latitude of cells (10km grid) latitude degrees 0.01 -40 [-40,40] [0,8000] 65535 accuracy 1km Number_of_Rows_10km, Number_of_Columns_10km IMAGE IMAGE_GRAYSCALE [0,8000] H5T_STD_U16LE	H5T C S1	49 9 8 5 4 9 9 6 13 56 6 16 4
5.284	#18	long name standard name units scale factor add offset valid range min_max FillValue comment dimension label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE Longitude_Cells_5km Attributes Name long_name	latitude of cells (10km grid) latitude degrees 0.01 -40 [-40,40] [0,8000] 65535 accuracy 1km Number_of_Rows_10km, Number_of_Columns_10km IMAGE IMAGE_GRAYSCALE [0,8000] H5T_STD_U16LE Value longitude of cells (5km grid)	H5T C S1	49 9 8 5 4 9 9 6 13 56 6 16 4 Size 50
5.284		long name standard name units scale factor add offset valid range min_max FillValue comment dimension label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE Longitude_Cells_5km Attributes Name long_name standard_name	latitude of cells (10km grid) latitude degrees 0.01 -40 [-40,40] [0,8000] 65535 accuracy 1km Number_of_Rows_10km, Number_of_Columns_10km IMAGE IMAGE_GRAYSCALE [0,8000] H5T_STD_U16LE Value longitude of cells (5km grid)	H5T C S1	49 9 8 5 4 9 9 6 13 56 6 16 4 <i>Size</i> 50 10
5.284	#18	long name standard name units scale factor add offset valid range min max FillValue comment dimension label CLASS IMAGE SUBCLASS IMAGE MINMAXRANGE Longitude_Cells_5km Attributes Name long_name standard name units	latitude of cells (10km grid) latitude degrees 0.01 -40 [-40,40] [0,8000] 65535 accuracy 1km Number_of_Rows_10km, Number_of_Columns_10km IMAGE IMAGE_GRAYSCALE [0,8000] H5T_STD_U16LE Value longitude of cells (5km grid) longitude degrees	H5T C S1	49 9 8 5 4 9 9 6 13 56 6 16 4 <i>Size</i> 50 10 8
5.284		long name standard name units scale factor add offset valid range min_max FillValue comment dimension label CLASS IMAGE SUBCLASS IMAGE MINMAXRANGE Longitude_Cells_5km Attributes Name long_name standard name units scale factor	latitude of cells (10km grid) latitude degrees 0.01 -40 [-40,40] [0,8000] 65535 accuracy 1km Number_of_Rows_10km, Number_of_Columns_10km IMAGE IMAGE_GRAYSCALE [0,8000] H5T_STD_U16LE Value longitude of cells (5km grid) longitude degrees 0.01	H5T C S1	49 9 8 5 4 9 9 6 13 56 6 16 4 <i>Size</i> 50 10 8 5
5.284		long name standard name units scale factor add offset valid_range min_max FillValue comment dimension label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE Longitude_Cells_5km Attributes Name long_name standard_name units scale_factor add_offset	latitude of cells (10km grid) latitude degrees 0.01 -40 [-40,40] [0,8000] 65535 accuracy 1km Number_of_Rows_10km, Number_of_Columns_10km IMAGE IMAGE_GRAYSCALE [0,8000] H5T_STD_U16LE Value longitude of cells (5km grid) longitude degrees 0.01 0.0	H5T C S1	49 9 8 5 4 9 9 6 13 56 6 16 4 <i>Size</i> 50 10 8 5 4
5.284		long name standard name units scale factor add offset valid_range min_max FillValue comment dimension label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE Longitude_Cells_5km Attributes Name long_name standard_name units scale_factor add_offset valid_range	latitude of cells (10km grid) latitude degrees 0.01 -40 [-40,40] [0,8000] 65535 accuracy 1km Number_of_Rows_10km, Number_of_Columns_10km IMAGE IMAGE_GRAYSCALE [0,8000] H5T_STD_U16LE Value longitude of cells (5km grid) longitude degrees 0.01 0.0 [0,360]	H5T C S1	49 9 8 5 4 9 9 6 13 56 6 16 4 <i>Size</i> 50 10 8 5 4 8
5.284		long name standard name units scale factor add offset valid_range min_max FillValue comment dimension label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE Longitude_Cells_5km Attributes Name long_name standard_name units scale_factor add_offset	latitude of cells (10km grid) latitude degrees 0.01 -40 [-40,40] [0,8000] 65535 accuracy 1km Number_of_Rows_10km, Number_of_Columns_10km IMAGE IMAGE_GRAYSCALE [0,8000] H5T_STD_U16LE Value longitude of cells (5km grid) longitude degrees 0.01 0.0	H5T C S1	49 9 8 5 4 9 9 6 13 56 6 16 4 <i>Size</i> 50 10 8 5 4

			Longitude [0,360]: 0 is Greenwich		
		comment	meridian (accuracy 1km)	H5T_C_S1	59
			Number_of_Rows_5km,		
		dimension_label	Number_of_Columns_5km	H5T_C_S1	56
		CLASS	IMAGE	H5T_C_S1	6
		IMAGE SUBCLASS	IMAGE_GRAYSCALE	H5T C S1	16
		IMAGE MINMAXRANGE	[0,36000]	H5T STD U16LE	4
1.325		Longitude_Cells_10km	H5T STD U16LE	Number of Rows	
		Attributes			
		Name	Value	Туре	Size
		long name	longitude of cells (10km grid)	H5T C S1	50
		standard name	longitude	H5T C S1	10
		units	degrees	H5T C S1	8
			0.01		<u>o</u>
		scale factor	0.0	H5T C S1	
		add offset		H5T_C_S1	4
	#20	valid_range	[0,360]	H5T_C_S1	8
		min_max	[0,36000]	H5T_C_S1	10
		_FillValue	65535	H5T_C_S1	6
			Longitude [0,360]: 0 is Greenwich		
		comment	meridian (accuracy 1km)	H5T_C_S1	59
			Number_of_Rows_10km,		
		dimension label	Number_of_Columns_10km	H5T C S1	56
		CLASS	IMAGE	H5T C S1	6
		IMAGE SUBCLASS	IMAGE_GRAYSCALE	H5T_C_S1	16
		IMAGE MINMAXRANGE	[0,36000]	H5T STD U16LE	4
0.662		IncidenceAngle_Cells_10km_LF	H5T_STD_I8LE	Number_of_Rows_	
		Attributes			
		Name	Value	Туре	Size
			Incidence angle at the center of the cell		
		long name	for LF channels	H5T C S1	83
		standard name	incidence angle	H5T C S1	16
		units	degrees	H5T C S1	8
		scale factor	0.01	H5T C S1	5
		add offset	53.0	H5T C S1	<u>5</u>
	#21		[51.72,54.27]		
		valid_range	127	H5T_C_S1	14 4
		FillValue		H5T_C_S1	
		comment	angle between zenith and line of sight	H5T_C_S1	39
			Number_of_Rows_10km,	LIET O CT	70
		dimension_label	Number_of_Columns_10km	H5T_C_S1	78
		geolocation label	Latitude_Cells_10km, Longitude Cells 10km	H5T C S1	84
		CLASS	IMAGE	H5T C S1	6
		IMAGE SUBCLASS	IMAGE GRAYSCALE		16
		IMAGE_SOBCLASS IMAGE MINMAXRANGE	[-128,127]	H5T_C_S1 H5T_STD_I8LE	2
0.663		IncidenceAngle Cells 10km MF	H5T STD I8LE	Number of Rows	
0.662		Attributes	IIJI_JID_IOLE	INGILIDEI OI KOWS.	
			Value	Tuna	Size
		Name		Туре	3128
	#22	lana nama	Incidence angle at the center of the cell for MF channels	LIET C C3	03
	#22	long_name		H5T C S1	83
		standard name	incidence_angle	H5T_C_S1	16
			dograps	LIET C CI	_
		units	degrees	H5T_C_S1	8
			degrees 0.01 53.0	H5T_C_S1 H5T_C_S1 H5T_C_S1	8 5 5

	valid_range	[51.72,54.27]	H5T_C_S1	14
	_FillValue	127	H5T_C_S1	4
	comment	angle between zenith and line of sight	H5T_C_S1	39
		Number of Rows 10km,		
	dimension label	Number_of_Columns_10km	H5T C S1	78
	geolocation label	Latitude_Cells_10km, Longitude Cells 10km	H5T C S1	84
	CLASS	IMAGE	H5T C S1	6
	IMAGE SUBCLASS	IMAGE GRAYSCALE	H5T C S1	16
	IMAGE MINMAXRANGE	[-128,127]	H5T STD I8LE	2
	IncidenceAngle Cells 5km HF	H5T STD I8LE	Number_of_Rows_!	
	Attributes			
	Name	Value	Туре	Size
		Incidence angle at the center of the cell		
	long_name	for HF channels	H5T_C_S1	83
	standard_name	incidence_angle	H5T_C_S1	16
	units	degrees	H5T_C_S1	8
	scale_factor	0.01	H5T_C_S1	5
	add offset	53.0	H5T C S1	5
#23	valid_range	[51.72,54.27]	H5T_C_S1	14
	FillValue	127	H5T_C_S1	4
	comment	angle between zenith and line of sight	H5T_C_S1	39
	dimension label	Number_of_Rows_5km, Number_of_Columns_5km	H5T C S1	78
	_	Latitude_Cells_5km,		
	geolocation_label	Longitude_Cells_5km	H5T_C_S1	84
	CLASS	IMAGE	H5T_C_S1	6
	IMAGE_SUBCLASS	IMAGE_GRAYSCALE	H5T_C_S1	16
	IMAGE_MINMAXRANGE	[-128,127]	H5T_STD_I8LE	2
	TB_Cells_18.7_H	H5T_STD_U16LE	Number_of_Rows_:	
	Attributes			
	Name	Value	Туре	Size
	long_name	Pixels brightness temperatures at 18.7H		63
	standard name	brightness_temperature	H5T C S1	23
	units	Kelvin	H5T_C_S1	7
	scale_factor	0.01	H5T_C_S1	5
	add_offset	0.0	H5T_C_S1	4
	valid_range	[0,400]	H5T_C_S1	8
	min_max	[0,40000]	H5T_C_S1	10
#24		65535	H5T_C_S1	6
#24	quality_flag	QF_cells_18.7_H	H5T_C_S1	52
		TB interpolated on all-instruments common grid (10km grid) (see additionnal geometrical information in		
	comment	attributes of MADRAS)	H5T C S1	149
	Comment	Number of Rows 10km,		1.0
	dimension label	Number_of_Columns_10km	H5T C S1	82
	differentiation_label	Latitude Cells 10km,	1131_0_31	02
	geolocation_label	Longitude_Cells_10km	H5T_C_S1	88
	CLASS	IMAGE	H5T C S1	6
		IMAGE GRAYSCALE	H5T C S1	16
	IMAGE SUBCLASS			
	IMAGE SUBCLASS IMAGE MINMAXRANGE	[0,40000]	H5T STD U16LE	4
	_			4
#25	IMAGE MINMAXRANGE	[0,40000]	H5T STD U16LE	4

1.325

Name	Value	Туре	Size
long name	Pixels brightness temperatures at 18.7V	H5T C S1	63
standard name	brightness temperature	H5T C S1	23
units	Kelvin	H5T C S1	7
scale factor	0.01	H5T C S1	5
add offset	0.0	H5T C S1	4
valid range	[0,400]	H5T C S1	8
min max	[0,40000]	H5T C S1	10
FillValue	65535	H5T C S1	6
quality flag	QF cells 18.7 V	H5T C S1	52
comment	TB interpolated on all-instruments common grid (10km grid) (see additionnal geometrical information in attributes of MADRAS)	H5T_C_S1	149
dimension label	Number_of_Rows_10km, Number_of_Columns_10km	H5T_C_S1	82
geolocation_label	Latitude_Cells_10km, Longitude_Cells_10km	H5T_C_S1	88
CLASS	IMAGE	H5T_C_S1	6
IMAGE_SUBCLASS	IMAGE_GRAYSCALE	H5T_C_S1	16
IMAGE MINMAXRANGE	[0,40000]	H5T STD U16LE	4
TB_Cells_23.8_V	H5T_STD_U16LE	Number_of_Rows_:	
Attributes			
Name	Value	Туре	Size
long name	Pixels brightness temperatures at 23.8V	H5T C S1	63
standard name	brightness_temperature	H5T C S1	23
units	Kelvin	H5T C S1	7
scale factor	0.01	H5T C S1	5
add offset	0.0	H5T C S1	4
valid range	[0,400]	H5T C S1	8
min max	[0,40000]	H5T C S1	10
FillValue	65535	H5T C S1	6
quality flag	QF cells 23.8 V	H5T C S1	52
comment	TB interpolated on all-instruments common grid (10km grid) (see additionnal geometrical information in attributes of MADRAS)	H5T C S1	149
Comment	Number of Rows 10km,	1131_0_31	113
dimension_label	Number_of_Columns_10km	H5T_C_S1	82
geolocation_label	Latitude_Cells_10km, Longitude_Cells_10km	H5T_C_S1	88
CLASS	IMAGE	H5T_C_S1	6
IMAGE_SUBCLASS	IMAGE_GRAYSCALE	H5T_C_S1	16
IMAGE_MINMAXRANGE	[0,40000]	H5T_STD_U16LE	4
TB_Cells_36.5_H	H5T_STD_U16LE	Number_of_Rows_	
Attributes			
Name	Value	Туре	Size
long name	Pixels brightness temperatures at 36.5H	H5T C S1	63
standard name	brightness_temperature	H5T C S1	23
units	Kelvin	H5T C S1	7
units			5
scale factor	0.01	H51 C SI	
scale_factor	0.01	H5T_C_S1 H5T_C_S1	4
scale_factor add_offset	0.0	H5T_C_S1	4
scale_factor			

#26

#27

	quality_flag	QF_cells_36.5_H	H5T_C_S1	52
		TB interpolated on all-instruments		
		common grid (10km grid) (see		
		additionnal geometrical information in	LIET C C1	1.40
	comment	attributes of MADRAS)	H5T_C_S1	149
		Number_of_Rows_10km,		
	dimension_label	Number_of_Columns_10km	H5T_C_S1	82
		Latitude_Cells_10km,	UET 0 61	00
	geolocation_label	Longitude_Cells_10km	H5T_C_S1	88
	CLASS	IMAGE	H5T_C_S1	6
	IMAGE_SUBCLASS	IMAGE_GRAYSCALE	H5T_C_S1	16
	IMAGE_MINMAXRANGE	[0,40000]	H5T_STD_U16LE	4
	TB_Cells_36.5_V	H5T_STD_U16LE	Number_of_Rows_:	
	Attributes			
	Name	Value	Туре	Size
	long name	Pixels brightness temperatures at 36.5V	H5T C S1	63
	standard name	brightness temperature	H5T C S1	23
	units	Kelvin	H5T C S1	7
	scale factor	0.01	H5T C S1	5
	add offset	0.0	H5T C S1	<u>5</u>
	valid range	[0,400]	H5T C S1	8
	min_max	[0,40000]	H5T_C_S1	10
#28	_FillValue	65535	H5T_C_S1	6
"25	quality_flag	QF_cells_36.5_V	H5T_C_S1	52
		TB interpolated on all-instruments		
		common grid (10km grid) (see		
		additionnal geometrical information in	LIET C C1	1.40
	comment	attributes of MADRAS)	H5T_C_S1	149
		Number_of_Rows_10km,		
	dimension_label	Number_of_Columns_10km	H5T_C_S1	82
	mada antiam Jahad	Latitude_Cells_10km,	LIET C C1	00
	geolocation_label	Longitude Cells 10km	H5T_C_S1	88
	CLASS		H5T_C_S1	6
	IMAGE_SUBCLASS	IMAGE_GRAYSCALE	H5T_C_S1	16
	IMAGE_MINMAXRANGE	[0,40000]	H5T_STD_U16LE	4
	TB_Cells_89.0_H	H5T_STD_U16LE	Number_of_Rows_:	
	Attributes			
	Name	Value	Туре	Size
	long name	Pixels brightness temperatures at 89.0H	H5T C S1	63
	standard name	brightness_temperature	H5T C S1	23
	units	Kelvin	H5T C S1	7
	scale factor	0.01	H5T C S1	5
	add offset	0.0	H5T C S1	4
	valid range	[0,400]	H5T C S1	8
	min max	[0,40000]	H5T C S1	10
#29	FillValue	65535	H5T C S1	6
	quality flag	QF cells 89.0 H	H5T C S1	6 52
	дианту над		H21 C 21	52
		TB interpolated on all-instruments common grid (10km grid) (see		
		additionnal geometrical information in		
	comment	attributes of MADRAS)	H5T C S1	149
		Number of Rows 10km.		
	dimension label	Number of Columns 10km	H5T C S1	82
	amension_laber	Latitude Cells 10km,		
	geolocation label	Longitude Cells 10km	H5T C S1	88
	CLASS	IMAGE	H5T C S1	6
				,

		IMAGE SUBCLASS	IMAGE_GRAYSCALE	H5T C S1	16
		IMAGE MINMAXRANGE	[0,40000]	H5T STD U16LE	4
1.325		TB Cells 89.0 V	H5T STD U16LE	Number of Rows	
•		Attributes			
		Name	Value	Туре	Size
		long name	Pixels brightness temperatures at 89.0V	H5T C S1	63
		standard name	brightness_temperature	H5T C S1	23
		units	Kelvin	H5T C S1	7
		scale factor	0.01	H5T C S1	5
		add offset	0.0	H5T C S1	4
		valid range	[0,400]	H5T C S1	8
		min max	[0,40000]	H5T C S1	10
	#20	FillValue	65535	H5T C S1	6
	#30	quality flag	QF_cells_89.0_V	H5T C S1	52
			TB interpolated on all-instruments common grid (10km grid) (see		
			additionnal geometrical information in		
		comment	attributes of MADRAS)	H5T_C_S1	149
			Number_of_Rows_10km,		
		dimension_label	Number_of_Columns_10km Latitude Cells 10km,	H5T_C_S1	82
		geolocation label	Longitude Cells 10km	H5T C S1	88
		CLASS	IMAGE	H5T C S1	6
		IMAGE SUBCLASS	IMAGE GRAYSCALE	H5T C S1	16
		IMAGE MINMAXRANGE	[0,40000]	H5T STD U16LE	4
5.284		TB Cells 157.0 H	H5T STD U16LE	Number of Rows	7
5.25		Attributes			
		Name	Value	Туре	Size
			Pixels brightness temperatures at 157.0	.) -	5.25
		long_name	Н	H5T_C_S1	63
		standard_name	brightness_temperature	H5T_C_S1	23
		units	Kelvin	H5T_C_S1	7
		scale_factor	0.01	H5T_C_S1	5
		add_offset	0.0	H5T_C_S1	4
		valid_range	[0,400]	H5T_C_S1	8
		min_max	[0,40000]	H5T C S1	10
	#31	FillValue	65535	H5T_C_S1	6
		quality_flag	QF_cells_157.0_H	H5T_C_S1	52
			TB interpolated on all-instruments common grid (5km grid) (see		
			additionnal geometrical information in		
		comment	attributes of MADRAS)	H5T_C_S1	149
			Number of Rows 5km,		
		dimension label	Number_of_Columns_5km	H5T C S1	82
			Latitude_Cells_5km,		
		geolocation_label	Longitude_Cells_5km	H5T_C_S1	88
		CLASS	IMAGE	H5T_C_S1	6
		IMAGE_SUBCLASS	IMAGE_GRAYSCALE	H5T_C_S1	16
		IMAGE_MINMAXRANGE	[0,40000]	H5T_STD_U16LE	4
5.284		TB_Cells_157.0_V	H5T_STD_U16LE	Number_of_Rows_!	
		Attributes			<u> </u>
	#32	Name	Value	Туре	Size
		long name	Pixels brightness temperatures at 157.0	H5T_C_S1	63
		long name	Į V	11121_C_31	03
		standard name	brightness temperature	H5T C S1	23

	units	Kelvin	H5T C S1	7
	scale factor	0.01	H5T C S1	5
	add offset	0.0	H5T C S1	4
	valid range	[0.400]	H5T C S1	8
	min max	[0,40000]	H5T C S1	10
	FillValue	65535	H5T C S1	6
	quality flag	QF cells 157.0 V	H5T C S1	52
	comment	TB interpolated on all-instruments common grid (5km grid) (see additionnal geometrical information in attributes of MADRAS)	H5T_C_S1	149
	dimension label	Number_of_Rows_5km, Number_of_Columns_5km	H5T C S1	82
	geolocation label	Latitude_Cells_5km, Longitude Cells 5km	H5T C S1	88
	CLASS	IMAGE	H5T C S1	6
	IMAGE_SUBCLASS	IMAGE_GRAYSCALE	H5T_C_S1	16
	IMAGE_MINMAXRANGE	[0,40000]	H5T_STD_U16LE	4
	QF_Cells_18.7_H	H5T_STD_U16LE	Number_of_Rows_:	
	Attributes			
	Name	Value	Туре	Size
	long name	Quality Flag of cell for channel 18.7H	H5T C S1	84
	standard_name	quality flag	H5T_C_S1	13
#33	comment	16-bits array: #0:quality flag validity, #1:sun glint, #2:land/sea contamination, #3:surface type, #4:TB validity, #5:Level-0 Count Saturated, #6:Level-0 Count poor value, #7: geolocation estimation, #8:calibration failure, #9:partial calibration, #10:hot count error, #11:cold sky count error, #12:interpolation quality, #13: Blank, #14 to #15: Ice flag	H5T C S1	358
	dimension_label	Number_of_Rows_10km, Number_of_Columns_10km	H5T_C_S1	82
	geolocation label	Latitude_Cells_10km, Longitude_Cells_10km	H5T C S1	88
	CLASS	IMAGE CRAYGOALE	H5T C S1	6
	IMAGE SUBCLASS	IMAGE_GRAYSCALE	H5T C S1	16
	IMAGE_MINMAXRANGE	[0,8000]	H5T_STD_U16LE	4
	QF_Cells_18.7_V Attributes	H5T_STD_U16LE	Number_of_Rows_	
	Name	Value	Туре	Size
		Quality Flag of cell for channel 18.7V		84
	long_name		H5T_C_S1	
#34	standard_name	quality flag 16-bits array: #0:quality flag validity, #1:sun glint, #2:land/sea contamination, #3:surface type, #4:TB validity, #5:Level-0 Count Saturated, #6:Level-0 Count poor value, #7: geolocation estimation, #8:calibration failure, #9:partial calibration, #10:hot count error, #11:cold sky count error, #12:interpolation quality, #13: Blank,	H5T_C_S1	13
	comment	#14 to #15: Ice flag	H5T C S1	358

			Number_of_Rows_10km,		
		dimension label	Number of Columns 10km	H5T C S1	82
		differision_label	Latitude Cells 10km.	1151_C_51	02
		geolocation label	Longitude Cells 10km	H5T C S1	88
		CLASS	IMAGE	H5T C S1	6
		IMAGE SUBCLASS	IMAGE GRAYSCALE	H5T C S1	16
		IMAGE MINMAXRANGE	[0,800]	H5T STD U16LE	4
1.325		QF Cells 23.8 V	H5T STD U16LE	Number of Rows	·
		Attributes	,		
		Name	Value	Type	Size
		long name	Quality Flag of cell for channel 23.8V	H5T C S1	84
		standard name	quality flag	H5T C S1	13
			16-bits array: #0:quality flag validity, #1:sun glint, #2:land/sea contamination, #3:surface type, #4:TB		
	#35		validity, #5:Level-0 Count Saturated, #6:Level-0 Count poor value, #7: geolocation estimation, #8:calibration failure, #9:partial calibration, #10:hot		
		comment	count error, #11:cold sky count error, #12:interpolation quality, #13: Blank, #14 to #15: Ice flag	H5T C S1	358
		dimension_label	Number_of_Rows_10km, Number_of_Columns_10km	H5T_C_S1	82
		geolocation label	Latitude_Cells_10km, Longitude Cells 10km	H5T C S1	88
		CLASS	IMAGE	H5T_C_S1	6
		IMAGE_SUBCLASS	IMAGE_GRAYSCALE	H5T C S1	16
		IMAGE_MINMAXRANGE	[0,8000]	H5T_STD_U16LE	4
1.325		QF_Cells_36.5_H	[0,8000] H5T_STD_U16LE	H5T_STD_U16LE Number_of_Rows_:	4
1.325		QF_Cells_36.5_H Attributes	H5T_STD_U16LE	Number_of_Rows_	
1.325		QF_Cells_36.5_H	H5T_STD_U16LE Value		4 Size
1.325		QF_Cells_36.5_H Attributes	H5T_STD_U16LE Value Quality Flag of cell for channel 36.5H	Number_of_Rows_ Type H5T_C_S1	Size 84
1.325		QF_Cells_36.5_H Attributes Name	H5T_STD_U16LE Value	Number_of_Rows_:	Size
1.325	#36	QF_Cells_36.5_H Attributes Name long_name	H5T_STD_U16LE Value Quality Flag of cell for channel 36.5H	Number_of_Rows_ Type H5T_C_S1	Size 84
1.325	#36	QF_Cells_36.5_H Attributes Name long_name standard_name	Value Quality Flag of cell for channel 36.5H quality flag 16-bits array: #0:quality flag validity, #1:sun glint, #2:land/sea contamination, #3:surface type, #4:TB validity, #5:Level-0 Count Saturated, #6:Level-0 Count poor value, #7: geolocation estimation, #8:calibration failure, #9:partial calibration, #10:hot count error, #11:cold sky count error, #12:interpolation quality, #13: Blank, #14 to #15: Ice flag Number_of_Rows_10km, Number_of_Columns_10km	Type H5T_C_S1 H5T_C_S1	Size 84 13
1.325	#36	QF_Cells_36.5_H Attributes Name long_name standard_name comment	Value Quality Flag of cell for channel 36.5H quality flag 16-bits array: #0:quality flag validity, #1:sun glint, #2:land/sea contamination, #3:surface type, #4:TB validity, #5:Level-0 Count Saturated, #6:Level-0 Count poor value, #7: geolocation estimation, #8:calibration failure, #9:partial calibration, #10:hot count error, #11:cold sky count error, #12:interpolation quality, #13: Blank, #14 to #15: Ice flag Number_of_Rows_10km, Number_of_Columns_10km Latitude_Cells_10km, Longitude_Cells_10km	Type H5T_C_S1 H5T_C_S1	Size 84 13
1.325	#36	QF_Cells_36.5_H Attributes Name long_name standard_name comment dimension_label	Value Quality Flag of cell for channel 36.5H quality flag 16-bits array: #0:quality flag validity, #1:sun glint, #2:land/sea contamination, #3:surface type, #4:TB validity, #5:Level-0 Count Saturated, #6:Level-0 Count poor value, #7: geolocation estimation, #8:calibration failure, #9:partial calibration, #10:hot count error, #11:cold sky count error, #12:interpolation quality, #13: Blank, #14 to #15: Ice flag Number_of_Rows_10km, Number_of_Columns_10km Latitude_Cells_10km, Longitude_Cells_10km	Type H5T_C_S1 H5T_C_S1 H5T_C_S1	Size 84 13 358 82 88 6
1.325	#36	QF_Cells_36.5_H Attributes Name long_name standard_name comment dimension_label geolocation_label	Value Quality Flag of cell for channel 36.5H quality flag 16-bits array: #0:quality flag validity, #1:sun glint, #2:land/sea contamination, #3:surface type, #4:TB validity, #5:Level-0 Count Saturated, #6:Level-0 Count poor value, #7: geolocation estimation, #8:calibration failure, #9:partial calibration, #10:hot count error, #11:cold sky count error, #12:interpolation quality, #13: Blank, #14 to #15: Ice flag Number_of_Rows_10km, Number_of_Columns_10km Latitude_Cells_10km, Longitude_Cells_10km IMAGE IMAGE_GRAYSCALE	Type H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1	Size 84 13 358 82 88
	#36	QF_Cells_36.5_H Attributes Name long_name standard_name comment dimension label geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE	Value Quality Flag of cell for channel 36.5H quality flag 16-bits array: #0:quality flag validity, #1:sun glint, #2:land/sea contamination, #3:surface type, #4:TB validity, #5:Level-0 Count Saturated, #6:Level-0 Count poor value, #7: geolocation estimation, #8:calibration failure, #9:partial calibration, #10:hot count error, #11:cold sky count error, #12:interpolation quality, #13: Blank, #14 to #15: Ice flag Number_of_Rows_10km, Number_of_Columns_10km Latitude_Cells_10km, Longitude_Cells_10km IMAGE IMAGE_GRAYSCALE [0,8000]	Type H5T_C_S1	Size 84 13 358 82 88 6
1.325	#36	QF_Cells_36.5_H Attributes Name long_name standard_name comment dimension label geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE QF_Cells_36.5_V	Value Quality Flag of cell for channel 36.5H quality flag 16-bits array: #0:quality flag validity, #1:sun glint, #2:land/sea contamination, #3:surface type, #4:TB validity, #5:Level-0 Count Saturated, #6:Level-0 Count poor value, #7: geolocation estimation, #8:calibration failure, #9:partial calibration, #10:hot count error, #11:cold sky count error, #12:interpolation quality, #13: Blank, #14 to #15: Ice flag Number_of_Rows_10km, Number_of_Columns_10km Latitude_Cells_10km, Longitude_Cells_10km IMAGE IMAGE_GRAYSCALE	Type H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1 H5T_C_S1	Size 84 13 358 82 88 6
		QF_Cells_36.5_H Attributes Name long_name standard_name comment dimension label geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE QF_Cells_36.5_V Attributes	Value Quality Flag of cell for channel 36.5H quality flag 16-bits array: #0:quality flag validity, #1:sun glint, #2:land/sea contamination, #3:surface type, #4:TB validity, #5:Level-0 Count Saturated, #6:Level-0 Count poor value, #7: geolocation estimation, #8:calibration failure, #9:partial calibration, #10:hot count error, #11:cold sky count error, #12:interpolation quality, #13: Blank, #14 to #15: Ice flag Number_of_Rows_10km, Number_of_Columns_10km Latitude_Cells_10km, Longitude_Cells_10km IMAGE IMAGE_GRAYSCALE [0,8000] H5T_STD_U16LE	Type H5T_C_S1	Size 84 13 358 82 88 6 16 4
	#36	QF_Cells_36.5_H Attributes Name long_name standard_name comment dimension label geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE QF_Cells_36.5_V	Value Quality Flag of cell for channel 36.5H quality flag 16-bits array: #0:quality flag validity, #1:sun glint, #2:land/sea contamination, #3:surface type, #4:TB validity, #5:Level-0 Count Saturated, #6:Level-0 Count poor value, #7: geolocation estimation, #8:calibration failure, #9:partial calibration, #10:hot count error, #11:cold sky count error, #12:interpolation quality, #13: Blank, #14 to #15: Ice flag Number_of_Rows_10km, Number_of_Columns_10km Latitude_Cells_10km, Longitude_Cells_10km IMAGE IMAGE_GRAYSCALE [0,8000] H5T_STD_U16LE	Type H5T_C_S1	Size 84 13 358 82 88 6 16 4
		QF_Cells_36.5_H Attributes Name long_name standard_name comment dimension label geolocation_label CLASS IMAGE_SUBCLASS IMAGE_MINMAXRANGE QF_Cells_36.5_V Attributes	Value Quality Flag of cell for channel 36.5H quality flag 16-bits array: #0:quality flag validity, #1:sun glint, #2:land/sea contamination, #3:surface type, #4:TB validity, #5:Level-0 Count Saturated, #6:Level-0 Count poor value, #7: geolocation estimation, #8:calibration failure, #9:partial calibration, #10:hot count error, #11:cold sky count error, #12:interpolation quality, #13: Blank, #14 to #15: Ice flag Number_of_Rows_10km, Number_of_Columns_10km Latitude_Cells_10km, Longitude_Cells_10km IMAGE IMAGE_GRAYSCALE [0,8000] H5T_STD_U16LE	Type H5T_C_S1	Size 84 13 358 82 88 6 16 4

		comment dimension label	16-bits array: #0:quality flag validity, #1:sun glint, #2:land/sea contamination, #3:surface type, #4:TB validity, #5:Level-0 Count Saturated, #6:Level-0 Count poor value, #7: geolocation estimation, #8:calibration failure, #9:partial calibration, #10:hot count error, #11:cold sky count error, #12:interpolation quality, #13: Blank, #14 to #15: Ice flag Number_of_Rows_10km, Number of Columns 10km	H5T_C_S1 H5T_C_S1	358 82
		_	Latitude_Cells_10km,		
		geolocation_label	Longitude Cells 10km	H5T_C_S1	88
		CLASS	IMAGE CRAYGON F	H5T_C_S1	6
		IMAGE_SUBCLASS	IMAGE_GRAYSCALE	H5T_C_S1	16
- 1		IMAGE_MINMAXRANGE	[0,8000]	H5T_STD_U16LE	4
)		QF_Cells_89.0_H	H5T_STD_U16LE	Number_of_Rows_:	
		Attributes	Value	Tuno	Size
		Name	Quality Flag of cell for channel 89.0H	Type	84
		long name	quality flag	H5T C S1	13
		standard_name	' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	H5T_C_S1	13
	#38		16-bits array: #0:quality flag validity, #1:sun glint, #2:land/sea contamination, #3:surface type, #4:TB validity, #5:Level-0 Count Saturated, #6:Level-0 Count poor value, #7: geolocation estimation, #8:calibration failure, #9:partial calibration, #10:hot count error, #11:cold sky count error, #12:interpolation quality, #13: Blank,		
		comment	#14 to #15: Ice flag	H5T_C_S1	358
		dimension_label	Number_of_Rows_10km, Number_of_Columns_10km	H5T_C_S1	82
		geolocation label	Latitude_Cells_10km, Longitude Cells 10km	H5T C S1	88
		CLASS	IMAGE	H5T C S1	6
		IMAGE SUBCLASS	IMAGE GRAYSCALE	H5T C S1	16
		IMAGE_SOBCEASS IMAGE MINMAXRANGE	[0.8000]	H5T STD U16LE	4
5		QF Cells 89.0 V	H5T STD U16LE	Number of Rows	7
		Attributes			
		Name	Value	Туре	Size
		long name	Quality Flag of cell for channel 89.0V	H5T C S1	84
		standard_name	quality flag	H5T C S1	13
	#39	comment	16-bits array: #0:quality flag validity, #1:sun glint, #2:land/sea contamination, #3:surface type, #4:TB validity, #5:Level-0 Count Saturated, #6:Level-0 Count poor value, #7: geolocation estimation, #8:calibration failure, #9:partial calibration, #10:hot count error, #11:cold sky count error, #12:interpolation quality, #13: Blank, #14 to #15: Ice flag	H5T_C_S1	358
			Number_of_Rows_10km,		
		dimension_label	Number_of_Columns_10km	H5T_C_S1	82

			I		
		and anting label	Latitude_Cells_10km,	LIET C C1	00
		geolocation label	Longitude Cells 10km	H5T C S1	88
		CLASS	IMAGE GRAYSCALE	H5T C S1	6
		IMAGE_SUBCLASS		H5T_C_S1	16
		IMAGE_MINMAXRANGE	[0,8000]	H5T_STD_U16LE	4
		QF_Cells_157.0_H	H5T_STD_U16LE	Number_of_Rows_!	
		Attributes			
		Name	Value	Туре	Size
		long name		H5T C S1	84
		standard_name	quality flag	H5T C S1	13
	#40	comment	16-bits array: #0:quality flag validity, #1:sun glint, #2:land/sea contamination, #3:surface type, #4:TB validity, #5:Level-0 Count Saturated, #6:Level-0 Count poor value, #7: geolocation estimation, #8:calibration failure, #9:partial calibration, #10:hot count error, #11:cold sky count error, #12:interpolation quality, #13: Blank, #14 to #15: Ice flag	H5T C S1	358
		dimension label	Number_of_Rows_5km, Number_of_Columns_5km	H5T C S1	82
		geolocation_label	Latitude_Cells_5km, Longitude_Cells_5km	H5T_C_S1	88
		CLASS	IMAGE	H5T C S1	6
		IMAGE_SUBCLASS	IMAGE_GRAYSCALE	H5T C S1	16
		IMAGE_MINMAXRANGE	[0,8000]	H5T_STD_U16LE	4
Į.		QF_Cells_157.0_V	H5T_STD_U16LE	Number_of_Rows_!	
		Attributes			
		Name	Value	Туре	Size
		long_name	Quality Flag of cell for channel 157.0V	H5T_C_S1	84
		standard_name	quality flag	H5T_C_S1	13
	#41	comment	16-bits array: #0:quality flag validity, #1:sun glint, #2:land/sea contamination, #3:surface type, #4:TB validity, #5:Level-0 Count Saturated, #6:Level-0 Count poor value, #7: geolocation estimation, #8:calibration failure, #9:partial calibration, #10:hot count error, #11:cold sky count error, #12:interpolation quality, #13: Blank, #14 to #15: Ice flag	H5T C S1	358
		Comment	Number of Rows 5km,	1131_C_31	220
		dimension label	Number of Columns 5km	H5T C S1	82
		geolocation label	Latitude_Cells_5km, Longitude_Cells_5km	H5T C S1	82 88
		CLASS		H5T_C_S1	 6
		IMAGE SUBCLASS	IMAGE GRAYSCALE	H5T C S1	16
				H5T_C_S1 H5T_STD_U16LE	4
		IMAGE_MINMAXRANGE	[[0,0000]	LOSI_SID_OTOTE	4