



# NASA SDS Product Specification

## Level-0B Radar Raw Signal Data and Calibration Product

### L0B RRSD and CRSD

Rev C

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Authors: Brian Hawkins

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National Aeronautics and  
Space Administration



Jet Propulsion Laboratory  
California Institute of Technology  
Pasadena, California

## SIGNATURE PAGE

Prepared by:

Electronic Signature on File  
Brian Hawkins, NISAR ADT Level-1 Product Lead

30-Nov-2023  
Date

Approved by:

Electronic Signature on File  
Ana Maria Guerrero, NISAR Mission System Manager

05-Dec-2023  
Date

Electronic Signature on File  
Chuck Baker, NISAR Mission System Engineer

01-Dec-2023  
Date

Electronic Signature on File  
Cecilia Cheng, NISAR SDS Manager

30-Nov-2023  
Date

Electronic Signature on File  
Heresh Fattahi, NISAR ADT Lead

01-Dec-2023  
Date

Electronic Signature on File  
Maher Hanna, NISAR Deputy Mission System Manager

04-Dec-2023  
Date

Electronic Signature on File  
Helen Mortensen, NISAR SDS Lead System Engineer

04-Dec-2023  
Date

## EPDM ELECTRONIC SIGNATURES

User-Group/Role	...	Decision	Comments	Date
Cheng, Cecilia S (cecilia)-JPL Consumer/Project ...	...	Approve		30-Nov-2023 17:14
Hanna, Maher F (mfhanna)-JPL Author/JPL Aut...	...	Approve		04-Dec-2023 16:15
Fattahi, Heresh (fattahi)-JPL Author/JPL Author ...	...	Approve		01-Dec-2023 06:29
Guerrero, Ana Maria P (ana)-JPL Author/JPL Aut...	...	Approve		05-Dec-2023 07:35
Mortensen, Helen B (hbmorten)-JPL Consumer/...	...	Approve		04-Dec-2023 13:51
Baker, Charles J (cjbaker)-Engineering/Engineer	...	Approve		01-Dec-2023 07:51
Hawkins, Brian P (bhawkins)-JPL Consumer/Pro...	...	Approve		30-Nov-2023 14:39

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Rev A	June 24, 2020	All		Update for SDS Release 1. Regenerated from xml. Removed Project Scientist's signature since this is not a science data product.
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Rev A (R1.1) Working Version – Update 1	April 20, 2021	4.4 Structure of High Rate Telemetry Minor editing of some CRSD comments.		Simplify structure of highRateTelemetry to remove redundant information.
Rev A (R2.0)	May 13, 2021	Sec 1.3,  Sec 2.1, Sec 2.2		Update as product description – remove reference to Product Description. Update figure and tables. LRR056766 for ISRO LRR056759 for NISAR Science Team
Rev A (R3)	March 4, 2022	Sec 2.1, Table 2.1		Added description of offset products in Table 2.1. Updated product dependency Figure 2.1. Regenerated from XML.
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* Include the JPL Limited Release System (LRS) clearance number for each revision to be shared with foreign partners.				

Revision	Cover Date	Sections Changed	ECR #	Reason, ECR Title, LRS #*
Rev C (R3.4)	November 9, 2023	§5.2, §5.3, §5.6	N/A	Fix typographical errors. §5.2: Added granuleId, changed isUrgentObservation to scalar, clarify isGeocoded description. §5.3: Added sampleRateDBF and included it in descriptions of RD, WD, WL. §5.3 Fixed table heading. §5.6 removed references to specific algorithm versions.

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## LIST OF TBC ITEMS

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## LIST OF TBD ITEMS

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# 1 INTRODUCTION

## 1.1 Purpose of Description

This document provides a specification of the NASA-ISRO Synthetic Aperture Radar (NISAR) L-SAR Radar Raw Signal Data (L0B RRSB) and Calibration (CRSD) products to be generated by the NASA Science Data System (SDS) and provided to the Distributed Active Archive Center (DAAC). The L0B data product is usually referenced by the name RRSB.

## 1.2 Document Organization

Section 2 provides an overview of the products, including their purpose, and latency.

Section 3 provides the structure of the products, including granule definition, file organization, spatial resolution, temporal and spatial organization of the content, the size and data volume.

Section 4 provides qualitative descriptions of the information provided in the products.

Section 5 provides a detailed identification of the individual fields within the RRSB product, including for example their units, size, coordinates. It also indicates the parts of the RRSB product that are not included in the Calibration product.

Appendix A provides a listing of the acronyms used in this document.

## 1.3 Applicable and Reference Documents

Applicable documents levy requirements on areas addressed in this document. Reference documents are cited to provide additional information to readers. In case of conflict between the applicable documents and this document, the Project shall review the conflict to find the most effective resolution.

### Applicable Documents

- [AD1] NISAR NASA SDS Level 4 Requirements, JPL D-95655, Initial, Sep. 13, 2019
- [AD2] NISAR NASA SDS Algorithm Development Plan, JPL D-95678, Initial, Sep. 12, 2019
- [AD3] NISAR Science Data Management and Archive Plan, JPL D-80828, June 1, 2016
- [AD4] NISAR Science Management Plan, JPL D-76340, Rev A, Aug. 14, 2018
- [AD5] NISAR Calibration and Validation Plan, JPL D-102256, September. 2019
- [AD6] NISAR NASA SDS L4 Software Management Plan (SMP), JPL D-95656, Rev A, Sep. 19, 2019
- [AD7] ISO-19115-2, <https://www.iso.org/obp/ui/#iso:std:iso:19115:-2:ed-2:v1:en>
  
- [AD8] NISAR Instrument Commands, Modes, Timing, and Telemetry (CMTT), JPL D-94696, Working Version Oct 23, 2020 (Rev D, Feb. 7, 2020)

## Reference Documents

- [RD1] NISAR NASA SDS Algorithm Theoretical Basis Document, JPL D-95677, Initial, Sep. 19, 2019.
- [RD2] EOSDIS Handbook, July 2016, retrieved from <https://cdn.earthdata.nasa.gov/conduit/upload/5980/EOSDISHandbookWebFinal2.pdf>
- [RD3] NISAR SDS File Naming Conventions, JPL D-102255, Initial, Nov. 4, 2020
- [RD4] HDF5 documentation at <https://portal.hdfgroup.org/display/HDF5/HDF5>

The NISAR Level 1 science requirements are translated into requirements on the various spacecraft and instrument systems, including the requirements related to the processing system producing the L0-L2 products. These SDS requirements [AD1] fall into three general categories: resolution requirements, radiometric and spatial location accuracy requirements, and latency and throughput requirements.

## 2 PRODUCT OVERVIEW

### 2.1 Product Background

Each NASA SDS L0-L2 L-band product (Figure 2-1 and Table 2-1 Product Dependency) is distributed as a single Hierarchical Data Format version 5 (HDF5, [RD4]) granule. All the metadata and imagery data are packaged in clearly defined sub-groups within the granule in compliance with the HDF5 specification. The NISAR product level definitions are given in Table 2-2.

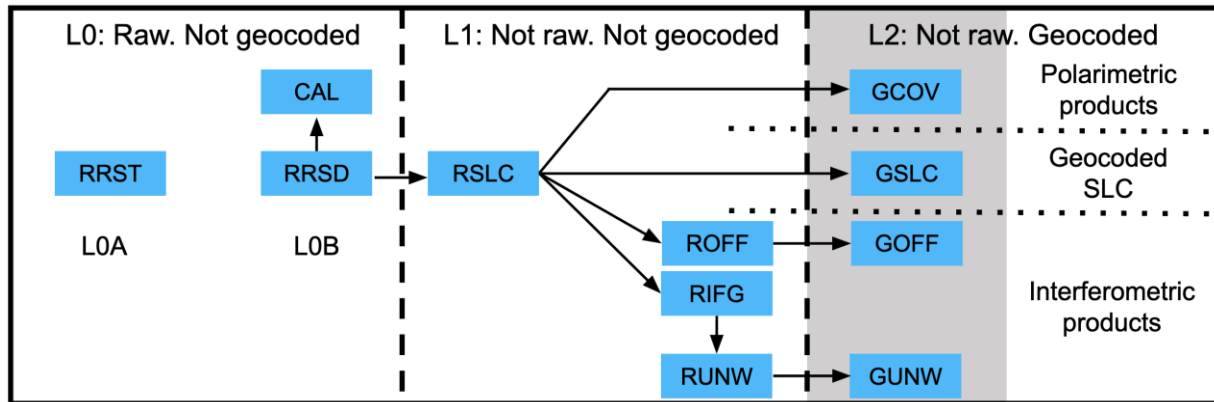


Figure 2-1 Product Dependency

Table 2-1. Key to Product Dependency Diagram

Product	Scope	Description	Granule Size
Radar Raw Science Telemetry (RRST)	Global	This LOA product is the raw downlinked data delivered to SDS	By downlinked files
Radar Raw Signal Data (RRSD)	Global	This LOB product is corrected, aligned radar pulse data derived from the RRST products and used for further processing	By radar observation, i.e., continuous data collected in a single radar mode
Calibration Raw Signal Data (CRSD)	Global	This LOB product contains instrument calibration data.	By radar datatake, i.e., a sequence of observations for one radar-on period

Product	Scope	Description	Granule Size
Range-Doppler Single Look Complex (RSLC)	Global	Used to generate all higher-level products	On pre-defined track/frame. High-resolution modes will have a high-res RSLC product and a background resolution RSLC product
Range-Doppler Nearest-Time Interferogram (RIFG)	Antarctica, Greenland, and selected mountain glaciers. Nearest pair in time and co-pol channels only.	Multi-looked interferogram in Range Doppler coordinates with geometrical phase (including topographic phase) removed and formed using high-resolution dense pixel offsets.	On pre-defined track/frame
Range-Doppler Nearest-Time Pixel Offsets (ROFF)	Antarctica, Greenland, and selected mountain glaciers. Nearest pair in time and co-pol channels only,	Unfiltered and unculled layers of pixel offsets in range-Doppler coordinates with different resolutions obtained from coherent and incoherent speckle tracking.	On pre-defined track/frame
Range-Doppler Nearest-Time Unwrapped Interferogram (RUNW)	Antarctica, Greenland, and selected mountain glaciers. Nearest pair in time and co-pol channels only.	Multi-looked, unwrapped differential interferogram in range-Doppler coordinates with geometrical phase (including topographic phase) removed.	On pre-defined track/frame

Product	Scope	Description	Granule Size
Geocoded SLC (GSLC)	Global and all channels.	Geocoded version of RSLC product using the MOE state vectors and a DEM	On pre-defined track/frame
Geocoded Nearest-Time Pixel Offsets (GOFF)	Antarctica, Greenland, and selected mountain glaciers. Nearest pair in time and co-pol channels only	Geocoded version of ROFF products using the MOE state vectors and a DEM.	On pre-defined track/frame

Product	Scope	Description	Granule Size
Geocoded Nearest-Time Unwrapped Interferogram (GUNW)	Global. Nearest pair in time and co-pol channels only.	Geocoded, multi-looked unwrapped differential Interferogram with geometrical phase (including topographic phase) removed. It contains a geocoded version of the wrapped interferogram and normalized interferometric correlation at a finer posting.	On pre-defined track/frame
Geocoded Polarimetric Covariance Matrix (GCOV)	Global and all channels. Single/Dual/Quad pol.	Geocoded, multi-looked polarimetric covariance matrix.	On pre-defined track/frame

Table 2-2 NISAR Data Level Descriptions defined by Science.

Data Level	Description
Level 0A	Unprocessed instrument data with communications artifacts removed, but without conditioning to reconstructed and reordered to represent the time-ordered sequence of samples from the instrument. May still contain bit errors and missing data that needs reconstruction.
Level 0B	Reconstructed, unprocessed instrument data at original resolution, time ordered, all communications artifacts removed.
Level 1	Processed instrument data, focused to full resolution complex images, time referenced and annotated with ancillary information, including radiometric and relevant geometric calibration coefficients and georeferencing parameters (i.e. platform ephemeris) computed and appended, in natural radar coordinates.
Level 2 Category 1	Derived radar-specific parameters at the same or reduced resolution as Level 1 imagery, but resampled and geocoded to a geographic or ellipsoidal grid.
Level 2 Category 2	Derived radar-specific parameters at reduced resolution, in original Level 1 coordinates.
Level 3	Geophysical parameters derived from Level 1 or 2 data that have been spatially and/or temporally re-sampled to a global grid.

## 2.2 L0B\_RRSD Overview

L0B\_RRSD is the one Level 0 product available to the science disciplines from the DAAC. The RRSD product consists of time-sorted unpacked recordings of raw radar echo pulses and related radar instrument telemetry, and is comparable to the Level-0 raw data products delivered by

SAR sensors around the world (e.g., L1.0 by ESA and JAXA). The RRSD data is focused to an Radar Single Look Complex (L1\_RSLC) product before use in higher level processing.

A single RRSD product granule consists of radar echoes acquired in the same imaging mode. An observation constitutes all consecutive radar echoes acquired in the same imaging mode. The baseline plan is that one RRSD product will contain one observation regardless of the time duration of the observation. This could lead to large RRSD files for observations of several minutes. The radar echoes are organized in sub-groups by imaging frequency (A or B), transmit polarization (H, V, L or R) and receive polarization (H or V) in that order. The radar echoes of any given frequency and polarization combination are decoded and aligned to adjust for different sampling window start times and can be accessed as a simple two-dimensional raster image. The imagery layers themselves are composed of Digital Numbers (DNs), which are converted to physical units in the L1 processor using ancillary information describing the L-SAR instrument characteristics.

L0B products also include downlinked attitude and orbit state vectors, though these are not used in the L1 processor for nominal operations. The RRSD product also contains all the instrument telemetry for the entire datatake that includes the observation. The instrument telemetry can be used for calibration or diagnostic purposes.

The NISAR Instrument Command, Modes, Timing, and Telemetry (CMTT, [AD8]) distinguishes datatakes and observations (Sec. 2.1.1) as follows:

Each datatake consists of one or more observations. A single observation may last for 2 seconds to 45 minutes. Instrument configuration during any observation is primarily controlled by a group of parameters called Radar Configuration Frame (RC Frame, See Section 2.5.1.1). The Radar Configuration (RC) frame does not change within any single observation.

## 2.3 CRSD Overview

The CRSD calibration product is generated with the RRSD to contain only the instrument telemetry for the entire datatake in which the observation is embedded. As described more specifically below it does not include the radar echo data (“science frame”). It does include the downlinked attitude and orbit state vectors. The CRSD product is intended for use by the Instrument and Algorithm teams for determining calibration parameters and investigating instrument conditions. It is not intended for public distribution.

## 3 PRODUCT ORGANIZATION

### 3.1 File Format

All NISAR standard products are in the Hierarchical Data Format version 5 (HDF5, [RD4]). The HDF5 is a general-purpose file format and programming library for storing scientific data. The National Center for Supercomputing Applications (NCSA) at the University of Illinois developed HDF to help scientists share data more easily. Use of the HDF library enables users to read HDF files regardless of the underlying computing environments. HDF files are equally accessible in Fortran, C/C++, and other high-level computation packages such as IDL or MATLAB.

The HDF Group, a spin-off organization of the NCSA, is responsible for development and maintenance of HDF. Users should reference The HDF Group website at <https://portal.hdfgroup.org/display/HDF5/HDF5> [RD4] to download HDF software and documentation.

HDF5 represents a significant departure from the conventions of previous versions of HDF. The changes that appear in HDF5 provide flexibility to overcome many of the limitations of previous releases. The basic building blocks have been largely redefined, and are more powerful but less numerous. The key concepts of the HDF5 Abstract Data Model are Files, Groups, Datasets, Datatypes, Attributes and Property Lists. The following sections provide a brief description of each of these key HDF5 concepts.

#### 3.1.1 HDF5 File

A File is the abstract representation of a physical data file. Files are containers for HDF5 Objects. These Objects include Groups, Datasets, and Datatypes.

#### 3.1.2 HDF5 Group

Groups provide a means to organize the HDF5 Objects in HDF5 Files. Groups are containers for other Objects, including Datasets, named Datatypes and other Groups. In that sense, groups are analogous to directories that are used to categorize and classify files in standard operating systems.

The notation for files is identical to the notation used for Unix directories. The root Group is “/”. A Group contained in root might be called “/myGroup.” Like Unix directories, Objects appear in Groups through “links”. Thus, the same Object can simultaneously be in multiple Groups.

### 3.1.3 HDF5 Dataset

The Dataset is the HDF5 component that stores user data. Each Dataset associates with a Dataspace that describes the data dimensions, as well as a Datatype that describes the basic unit of storage element. A Dataset can also have Attributes.

### 3.1.4 HDF5 Datatype

A Datatype describes a unit of data storage for Datasets and Attributes. Datatypes are subdivided into Atomic and Composite Types.

Atomic Datatypes are analogous to simple basic types in most programming languages. HDF5 Atomic Datatypes include Time, Bitfield, String, Reference, Opaque, Integer, and Float. Each atomic type has a specific set of properties. Examples of the properties associated with Atomic Datatypes are:

- Integers are assigned size, precision, offset, pad byte order, and are designated as signed or unsigned.
- Strings can be fixed or variable length, and may or may not be null-terminated.
- References are constructs within HDF5 Files that point to other HDF5 Objects in the same file.

HDF5 provides a large set of predefined Atomic Datatypes. Table 3-1 lists the Atomic Datatypes that are used in NISAR data products.

Table 3-1. HDF5 Atomic Datatypes

HDF5 Atomic Datatypes	Description
H5T_STD_U8LE	unsigned, 8-bit, little-endian integer
H5T_STD_U16LE	unsigned, 16-bit, little-endian integer
H5T_STD_U32LE	unsigned, 32-bit, little-endian integer
H5T_STD_U64LE	unsigned, 64-bit, little-endian integer
H5T_STD_I8LE	signed, 8-bit, little-endian integer
H5T_STD_I16LE	signed, 16-bit, little-endian integer
H5T_STD_I32LE	signed, 32-bit, little-endian integer
H5T_STD_I64LE	Signed, 64-bit, little-endian integer
H5T_IEEE_F32LE	32-bit, little-endian, IEEE floating point
H5T_IEEE_F64LE	64-bit, little-endian, IEEE floating point
H5T_C_S1	character string made up of one or more bytes

Derived Datatypes are user-defined variants of predefined Atomic Datatypes where the data organization has been modified at the bit-level. Derived data types are particularly useful for representing custom N-bit integers and floating point numbers.

Composite Datatypes incorporate sets of Atomic datatypes. Composite Datatypes include Array, Enumeration, Variable Length and Compound.

- The Array Datatype defines a multi-dimensional array that can be accessed atomically.



- Variable Length presents a 1-D array element of variable length. Variable Length Datatypes are useful as building blocks of ragged arrays.
- Compound Datatypes are composed of named fields, each of which may be dissimilar Datatypes. Compound Datatypes are conceptually equivalent to structures in the C programming language.

Named Datatypes are explicitly stored as Objects within an HDF5 File. Named Datatypes provide a means to share Datatypes among Objects. Datatypes that are not explicitly stored as Named Datatypes are stored implicitly. They are stored separately for each Dataset or Attribute they describe.

NISAR products employ the following Derived and Compound Datatypes.

Table 3-2 NISAR HDF5 Derived and Compound Datatypes

Description	Comments
16-bit little-endian floating point	"binary16" half precision type in IEEE 754-2008 standard. Matches numpy.float16 type in Python. We will refer to this type as H5T_IEEE_F16LE or Float16 in our documents.
H5T_COMPOUND { 16-bit little-endian floating-point "r"; 16-bit little-endian floating-point "i"; }	Complex numbers made up of two half precision floating point numbers. We will refer to this type as H5T_CPX_F16LE or CFloat16 in our documents.
H5T_COMPOUND { 32-bit little-endian floating-point "r"; 32-bit little-endian floating-point "i"; }	Complex numbers made of two single precision floating point numbers. We will refer to this type as H5T_CPX_F32LE or CFloat32 in our documents.
H5T_COMPOUND { 64-bit little-endian floating-point "r"; 64-bit little-endian floating-point "i"; }	Complex numbers made of two double precision floating point numbers. We will refer to this type as H5T_CPX_F64LE or CFloat64 in our documents.

### 3.1.5 HDF5 Attribute

An Attribute is a small aggregate of data that describes Groups or Datasets. Like Datasets, Attributes are also associated with a particular Dataspace and Datatype. Attributes cannot be subsetted or extended. Attributes themselves cannot have Attributes.

## 3.2 NISAR File Organization

### 3.2.1 Groups

All NISAR HDF5 files are organized as groups with no actual data at the root("/") level. Table 3-3 shows the general layout of the HDF5 files that are generated by the NISAR Science Data System. Data from the L-SAR and S-SAR instruments are also separated out into their own groups under the "/science" group.

Table 3-3 Group organization at the top level of a NISAR HDF5 File

Group Name	Description
/science	All science data is organized under this group
/science/LSAR	All science data from the L-SAR instrument is organized under this group
/science/SSAR	All science data from the S-SAR instrument is organized under this group

In the nominal baseline, L-SAR and S-SAR data will not appear in the same granule, even if they cover the same geographic area. Data structure described below the primary groups ("/science/LSAR" for L-SAR and "/science/SSAR" for S-SAR) will be the same for L-SAR and S-SAR products. The rest of the document from this point on describes the layout of the product containing L-SAR data. The specification for equivalent S-SAR data products is expected to be the same except for the substitution of "LSAR" by "SSAR" in the dataset paths in the HDF5 granule.

### 3.2.2 File Level Metadata

Global metadata at the file level are currently given as Global Attributes shown in Table 3-4.

Metadata regarding the data in the particular granule are given in "/science/[L|S]SAR/identification" for L- or S-SAR. These data are described further in Sec 4.2 and Sec 5.2.

Table 3-4 Global attributes of LOB\_RRSD

Attribute	Format	Description
Conventions	string	NetCDF-4 conventions adopted in this product. This attribute should be set to CF-1.8 to indicate that the group is compliant with the Climate and Forecast NetCDF conventions.
title	string	NISAR L1 SLC Product
institution	string	Name of producing agency.
mission_name	string	"NISAR"

reference_document	string	Name and version of Product Description Document to use as reference for product.
contact	string	Contact information for producer of product. (e.g., "ops@jpl.nasa.gov").

### 3.2.3 Variable Metadata (HDF5 Attributes)

NISAR standards incorporate additional metadata that describe each HDF5 Dataset within the HDF5 file. Each of these metadata elements appear in an HDF5 Attribute that is directly associated with the HDF5 Dataset. Wherever possible, these HDF5 Attributes employ names that conform to the Climate and Forecast (CF) conventions.

Table 3-5 lists the CF names for the HDF5 Attributes that NISAR products typically employ.

Table 3-5 Group organization at the top level of a NISAR HDF5 File

Attribute	Description
_FillValue	The value used to represent missing or undefined data. (Before applying add_offset and scale_factor).
add_offset	If present this value should be added to each data element after it is read. If both scale_factor and add_offset attributes are present, the data are first scaled before the offset is added.
scale_factor	If present, the data are to be multiplied by the value after they are read. If both scale_factor and add_offset attributes are present, the data are first scaled before the offset is added.
comment	Miscellaneous information about the data or the methods to generate it.
coordinates	Coordinate variables associated with the variable. The basename of the coordinate variable is used in this representation and group scoping rules for CF conventions apply.
long_name	A descriptive variable name that indicates its content.
quality_flag	Names of variable quality flag(s) that are associated with this variable to indicate its quality.
units	Unit of data after applying offset (add_offset) and scale_factor.
valid_max	Maximum theoretical value of variable before applying scale_factor and add_offset (not necessarily the same as maximum value of actual data)
valid_min	Minimum theoretical value of variable before applying scale_factor and add_offset (not necessarily the same as minimum value of actual data)

## 3.3 Granule Definition

NISAR RRSB granules contain data from one observation with appended calibration information.

NISAR CRSd granules contain data from one data take.

## 3.4 File Naming Convention

NISAR RRSd and CRSd granule names will conform to the Standard Product File Naming Scheme [RD4].

## 3.5 Temporal Organization

The LOB data are arranged on a uniformly spaced, increasing sensing azimuth time grid. Using row-major order convention of representing 2D raster arrays, sensing azimuth time is represented by the row direction or the slowest changing dimension.

CRSD data are arranged in the same increasing sensing time order, but the time spacing may not be uniform depending on the instrument generation of the various data items.

## 3.6 Spatial Organization

The LOB data are arranged on a uniformly spaced, increasing sensing azimuth time (along-track distance) in the row direction and increasing slant range grid in the column direction following the row-major order convention of representing 2D raster arrays.

Spatial considerations do not apply to CRSd data.

## 3.7 Spatial Sampling

The NISAR mission uses a non-uniformly spaced sequence of pulses in SweepSAR mode to collect radar data to overcome the limitations imposed by transmit gaps affecting the wide imaging swath [RD1]. The RRSd product includes some special layers to help track these transmit gaps.

1. Each pulse is tagged with a unique Transmit Time Tag – L-SAR radar time as well as UTC time.
2. The first and last sample corresponding to each transmit gap (up to 5 depending on imaging mode) in each range line are tracked in separate layers named `validSamplesSubSwath`.

Each sample in the recorded range line represents the beam-formed result from different receiver modules. To allow for identifying the receivers associated with each sample, the mapping from active receiver to imaged sample is included in a layers named RD, WD, and WL. Each receiver begins recording at delay (RD+WD) and ends at (RD+WD+WL).

Spatial considerations do not apply to CRSd data.



## 4 LEVEL 0B RADAR RAW SIGNAL AND CALIBRATION PRODUCT OVERVIEW

In this section, we briefly describe the layout of RRSB and CRSD and associated metadata within the NISAR HDF5 file. Subsections note differences (only) for the CRSD product. Detailed description of Group and Dataset names can be found in Section 5. In this section, we focus on the organization of L-SAR instrument data within the file under the Group name “/science/LSAR”.

The information for this section and the basis for the xml that provides the information to populate the detailed tables in Sec 5 is taken from the NISAR Instrument Commands, Modes, Timing, and Telemetry (CMTT, [AD8]) document from the Instrument Engineering team.

### 4.1 Dimensions and Shapes

Information on the shapes and dimensions of the data items in various data tables are described as part of the metadata (Sec 5.1). This information is useful both as part of the product identification and for setting up further processing.

### 4.2 Product Identification

All the information needed to identify the L-SAR instrument information associated with a given NISAR HDF5 file can be found under the Group “/science/LSAR/identification”. This includes information such as orbit cycle number, product type, track-frame number and a polygon representing the bounding box of the included imagery in geographic coordinates.

### 4.3 Radar Data

Data layers in the RRSB product are organized by center frequency under the Group “/science/LSAR/RRSD/swaths”. For L-SAR imaging modes with split imaging bands, the data are organized into individual groups labeled “frequencyA” and “frequencyB” (does not exist if not second band). Datasets are further grouped by transmit polarization (Tx) within the frequency sub-groups; i.e., group “/science/LSAR/RRSD/swaths/frequencyA/txH” contains all data acquired with an H-transmit pulse. The individual imagery layers are further organized in a group based on the receive polarization; i.e., dataset “/science/LSAR/RRSD/swaths/frequencyA/txH/rxH/HH” contains the time-ordered and aligned raw data echoes associated with HH polarization combination. Each of the pulses is also accompanied by an attenuation and caltone phase layer. For simplicity, the tables describe a dual polarization (HH/HV) observation. The same directory structure can be replicated under groups “txV”, “txR” or “txL” for other modes of operation. The tables in Section 5.3 contain only the template case described here.

In the special case of data collected in diagnostic mode 2 (DM2), the echo dataset has a third dimension corresponding to the DBF channel index. The shape of HDF5 dataset will be (num\_channels, num\_rangelines, num\_samples) where num\_channels is twelve for the L-band SAR instrument.

There will be no filling of completely missing rangelines. Duplicate rangelines will be removed.

Radar echo data values are transcoded from the BFPQ (Block Floating Point Quantization) data numbers to a related encoding that takes advantage of HDF5 features to eliminate divisions into blocks and allow use of a single decoding table (rather than separate exponent and mantissa tables). In each HDF5 group containing a raw dataset there is a companion 1D dataset named “BFPQLUT”. The complex-valued raw data values are stored in a compound data type

```
DATATYPE  H5T_COMPOUND {  
    H5T_STD_U16LE  "r";  
    H5T_STD_U16LE  "i";  
}
```

The real and imaginary parts are each an index into BFPQLUT. Hence to decode a raw data sample  $z_{LOB}$  to floating-point value  $z$ , one computes

$$z = \text{BFPQLUT}[z_{LOB}.r] + 1j * \text{BFPQLUT}[z_{LOB}.i]$$

The look-up table is typically not linear, so processing errors will result if a user omits this decoding step.

Some rangelines contain noise only (i.e., no signal echo) because of the timing of the receive window. These rangelines will be identified by the “calType” field in the L0B product so that they can be used for calibration purposes. They should not be processed as part of the image data.

The CRS D product does not have the Group “/science/LSAR/RRSD/swaths” and its subgroups that contain the radar data. Note that this will remove some of calibration data (see also Sec 4.4 Radar Telemetry).

Details of this information are given in Sec 5.3.

## 4.4 High Rate Radar Telemetry

Radar telemetry information needed to focus the RRS D data to RSLC, including on-board calibration information, is organized under the folder “/science/LSAR/RRSD/highRateTelemetry”. This information is packaged with the radar echo data in the original telemetry. As there is no difference between frequencies A and B, there is no

subgroup(s) /frequencyA or /frequency; the first subgroup is at the transmit polarization level (./txH, ./txV, ./txL) with further subgroups for receive polarization (./rxH, /rxV).

Instrument telemetry information is further organized by telemetry types SIF, QFSP, SSP such as group "/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SIF/" contains information for the instrument SIF element.

Details of this information are given in Sec 5.4.

Note that groups will not be renamed from RRSD to CRSD at the "science/LSAR/RRSD" level.

## 4.5 Low Rate Radar Telemetry

Information from the high rate telemetry are sub-commutated as Health and Status telemetry (HST) and Detailed Radar telemetry (DRT). HST and DRT frames are reconstructed at 1 per sec from best available bytes covering the frame (370 rangelines with 4B in each SIF header to get 1480B. These data are output in the group "/science/LSAR/RRSD/lowRateTelemetry" along with orbit, attitude, and GPS (included in ../DRT) data.

Details of this information are given in Sec 5.5.

### 4.5.1 Orbit

The orbit ephemeris used for generating the product can be found under a subgroup named "orbit". This group includes time-tagged antenna phase center position and velocity vectors in Earth Centered Earth Fixed (ECEF) cartesian coordinates.

### 4.5.2 Attitude

The attitude state vectors used for generating the product can be found under a subgroup named "attitude". This group includes time-tagged quaternions representing the rotation between the Radar Antenna Reflector Coordinate System (RCS) and the Earth Centered Earth Fixed (ECEF) cartesian system.

### 4.5.3 Health and Status Telemetry (HST)

Radar Health and Status telemetry can be found under a subgroup named "HST".



#### 4.5.4 Detailed Radar Telemetry (DRT)

Additional Radar telemetry can be found under a subgroup named “DRT”. The instrument telemetry information is further organized by telemetry types QFSP, SSP, SIF such as group “/science/LSAR/RRSD/lowRate Telemetry/DRT/qFSP-H0”. While currently not included here, these data elements are repeated for qFSP-H1, -H2, -V0, -V1, -V2. The large number of data elements may require software modifications for replication.

Under the subgroup ../DRT there is also a further subgroup ../DRT/GPS with information from the onboard GPS.

### 4.6 Radar Metadata – Processing Information

Information on the processing of the L0B\_RRSD such as inputs and algorithms is given in the group “/science/LSAR/RRSD/metadata/processingInformation”.

Details of this information are given in Sec 5.6.

## 5 PRODUCT SPECIFICATION

### 5.1 Dimensions and Shapes

To simplify the description of the layout of data within the HDF5 file, we will use a table of dimensions and shapes to represent the relationship between similarly sized datasets. The entries in this table do not present actual datasets in the HDF5. This table is meant to be a guide to interpreting the shapes of the datasets in subsequent subsections.

Table 5-1 Table of dimensions and shapes in L1\_RSLC product

Name	Shape	Description
scalar	scalar	None
numberOfDatatakes	scalar	number of datatakes in product
numberOfObservations	scalar	number of observations in product
numberOfFrequencies	scalar	Number of L-SAR frequencies in product
alongTrackTimeLength	scalar	Number of range lines in datasets
HSTDRTLength	scalar	Number of the HST/DRT frames under sub-commuted telemetry inside SIF Header for each rangeline
numberOfFrequencyAPolarizations	scalar	Number of polarization layers associated with L-SAR frequency A
frequencyASlantRangeWidth	scalar	Number of pixels in all L-SAR frequency A imagery datasets
complexDataFrequencyAShape	(alongTrackTimeLength, frequencyASlantRangeWidth)	Shape associated with L-SAR frequency A imagery datasets
bfpqLutShape	scalar	Size of BPFQ lookup table
chirpLength	scalar	Size of chirp waveform
TRMPulseCShape	(alongTrackTimeLength, TRMLength)	Shape associated with L-SAR 2-D complex-value TRM datasets
TRMPulseShape	(alongTrackTimeLength, TRMLength)	Shape associated with L-SAR 2-D real-value TRM datasets
TRM3TapPulseShape	(alongTrackTimeLength, TRMLength, 3)	Shape associated with L-SAR 3-tap chirp correlator datasets
validSamplesShape	(alongTrackTimeLength, 2)	Shape associated with L-SAR valid samples dataset
orbitListLength	scalar	description="Number of orbit state vectors
orbitShape	(orbitListLength, 3)	Shape of orbit state vector triplets dataset
attitudeListLength	scalar	Number of attitude state vectors
attitudeQuaternionShape	(attitudeListLength, 4)	Shape of attitude quaternion dataset
attitudeShape	(attitudeListLength, 3)	Shape of attitude Euler angle triplets dataset
TRMLength	scalar	Number of TRMs
QFSPLength	scalar	Number of QFSP records
QFSPShape	(QFSPLength, TRMLength)	Shape of QFSP DRT records
QFSPTemperatureShape	(QFSPLength, QFSPTemperatureLength)	Shape of QFSP Temperature records
QFSPVoltageShape	(QFSPLength, QFSPVoltageLength)	Shape of QFSP Voltage records

QFSPStatusShape	(QFSPLength, QFSPStatusLength)	Shape of QFSP Status records
SSPLength	scalar	Number of SSP records
SSPTemperatureShape	(SSPLength, SSPTemperatureLength)	Shape of SSP Temperature records
SSPVoltageShape	(SSPLength, SSPVoltageLength)	Shape of SSP Voltage records
SSPStatusShape	(SSPLength, SSPStatusLength)	Shape of SSP Status records
SIFLength	scalar	Number of SIF records
SIFTemperatureShape	(SIFLength, SIFTemperatureLength)	Shape of SIF Temperature records
SIFVoltageShape	(SIFLength, SIFVoltageLength)	Shape of SIF Voltage records
SIFStatusShape	(SIFLength, SIFStatusLength)	Shape of SSP Status records
numberOfInputLOAFiles	scalar	Number of input LOA granules
numberOfInputAuxcalFiles	scalar	Number of input calibration files
numberOfInputConfigFiles	scalar	Number of input configuration files

## 5.2 Product Identification

Table 5-2 NISAR HDF5 variables used for product identification

<b>Product Identification Variables</b>		
<b>/science/LSAR/identification/absoluteOrbitNumber</b>		
<b>Type: UInt32</b>	<b>Shape: scalar</b>	
<b>Description:</b> Absolute orbit number		
units	unitless	
<b>/science/LSAR/identification/missionId</b>		
<b>Type: string</b>	<b>Shape: scalar</b>	
<b>Description:</b> Mission identifier		
<b>/science/LSAR/identification/processingCenter</b>		
<b>Type: string</b>	<b>Shape: scalar</b>	
<b>Description:</b> Data processing center		
<b>/science/LSAR/identification/productType</b>		
<b>Type: string</b>	<b>Shape: scalar</b>	
<b>Description:</b> Product type		
<b>/science/LSAR/identification/granuleId</b>		
<b>Type: string</b>	<b>Shape: scalar</b>	
<b>Description:</b> Unique granule identification name		
<b>/science/LSAR/identification/productVersion</b>		
<b>Type: string</b>	<b>Shape: scalar</b>	
<b>Description:</b> Product version which represents the structure of the product and the science content governed by the algorithm, input data, and processing parameters		
<b>/science/LSAR/identification/productSpecificationVersion</b>		
<b>Type: string</b>	<b>Shape: scalar</b>	
<b>Description:</b> Product specification version which represents the schema of this product		
<b>/science/LSAR/identification/lookDirection</b>		
<b>Type: string</b>	<b>Shape: scalar</b>	
<b>Description:</b> Look direction can be left or right		
<b>/science/LSAR/identification/orbitPassDirection</b>		
<b>Type: string</b>	<b>Shape: scalar</b>	
<b>Description:</b> Orbit direction can be ascending or descending		
<b>/science/LSAR/identification/zeroDopplerStartTime</b>		
<b>Type: string</b>	<b>Shape: scalar</b>	
<b>Description:</b> Azimuth start time of the product		
<b>/science/LSAR/identification/zeroDopplerEndTime</b>		
<b>Type: string</b>	<b>Shape: scalar</b>	
<b>Description:</b> Azimuth stop time of the product		
<b>/science/LSAR/identification/plannedDatatakeId</b>		
<b>Type: string</b>	<b>Shape: (numberOfDatatakes)</b>	
<b>Description:</b> List of planned datatakes included in the product		
<b>/science/LSAR/identification/plannedObservationId</b>		
<b>Type: string</b>	<b>Shape: (numberOfObservations)</b>	
<b>Description:</b> List of planned observations included in the product		
<b>/science/LSAR/identification/isUrgentObservation</b>		

<b>Type:</b> string	<b>Shape:</b> scalar
<b>Description:</b> Flag indicating if observation is nominal ("False") or urgent ("True")	
<b>/science/LSAR/identification/listOfFrequencies</b>	
<b>Type:</b> string	<b>Shape:</b> (numberOfFrequencies)
<b>Description:</b> List of frequency layers available in the product	
<b>/science/LSAR/identification/diagnosticModeFlag</b>	
<b>Type:</b> UByte	<b>Shape:</b> scalar
<b>Description:</b> Indicates if the radar operation mode is a diagnostic mode (1-2) or DBFed science (0): 0, 1, or 2	
units	unitless
<b>/science/LSAR/identification/productLevel</b>	
<b>Type:</b> string	<b>Shape:</b> scalar
<b>Description:</b> Product level. LOA: Unprocessed instrument data; LOB: Reformatted, unprocessed instrument data; L1: Processed instrument data in radar coordinates system; and L2: Processed instrument data in geocoded coordinates system	
<b>/science/LSAR/identification/isGeocoded</b>	
<b>Type:</b> string	<b>Shape:</b> scalar
<b>Description:</b> Flag to indicate if the product data is in the radar geometry ("False") or in the map geometry ("True")	
<b>/science/LSAR/identification/boundingPolygon</b>	
<b>Type:</b> string	<b>Shape:</b> scalar
<b>Description:</b> OGR compatible WKT representation of bounding polygon of the image	
<b>/science/LSAR/identification/processingDateTime</b>	
<b>Type:</b> string	<b>Shape:</b> scalar
<b>Description:</b> Processing UTC date and time in the format YYYY-MM-DDTHH:MM:SS	
<b>/science/LSAR/identification/radarBand</b>	
<b>Type:</b> string	<b>Shape:</b> scalar
<b>Description:</b> Acquired frequency band	
<b>/science/LSAR/identification/instrumentName</b>	
<b>Type:</b> string	<b>Shape:</b> scalar
<b>Description:</b> Name of the instrument used to collect the remote sensing data provided in this product	
<b>/science/LSAR/identification/processingType</b>	
<b>Type:</b> string	<b>Shape:</b> scalar
<b>Description:</b> NOMINAL (or) URGENT (or) CUSTOM (or) UNDEFINED	
<b>/science/LSAR/identification/isDithered</b>	
<b>Type:</b> string	<b>Shape:</b> scalar
<b>Description:</b> "True" if the pulse timing was varied (dithered) during acquisition, "False" otherwise.	
<b>/science/LSAR/identification/isMixedMode</b>	
<b>Type:</b> string	<b>Shape:</b> scalar
<b>Description:</b> "True" if this product is a composite of data collected in multiple radar modes, "False" otherwise.	

## 5.3 Radar Data

Table 5-3 NISAR HDF5 variables related to Radar Data

<b>Product Imagery Variables</b>		
<b>/science/LSAR/RRSD/swaths/frequencyA/listOfTxPolarizations</b>		
Type: string	Shape: (numberOfFrequencyAPolarizations)	
Description: List of processed polarization layers with frequencyA		
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/sceneCenterAlongTrackSpacing</b>		
Type: Float64	Shape: scalar	
Description: Nominal along track spacing in meters between consecutive lines near mid swath of the SLC image		
units	meters	
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/sceneCenterGroundRangeSpacing</b>		
Type: Float64	Shape: scalar	
Description: Nominal ground range spacing in meters between consecutive pixels near mid swath of the SLC image		
units	meters	
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/rangeBandwidth</b>		
Type: Float64	Shape: scalar	
Description: Acquisition range bandwidth in Hz.		
units	Hz	
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/chirpSlope</b>		
Type: Float64	Shape: scalar	
Description: Nominal chirp slope in Hz/s		
shape	scalar	
width	64	
units	Hz per second	
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/chirpDuration</b>		
Type: Float64	Shape: scalar	
Description: Chirp duration in seconds		
shape	scalar	
width	64	
units	seconds	
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/chirpWaveform</b>		
Type: CFloat32	Shape: (chirpLength)	
Description: Chirp replica suitable for range compression		
units	DN	
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/nominalAcquisitionPRF</b>		
Type: Float64	Shape: scalar	
Description: Nominal PRF of acquisition.		
units	Hz	
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/centerFrequency</b>		
Type: Float64	Shape: scalar	
Description: Center frequency of the acquisition in Hz. In case of mode combination, this corresponds to the mode with lowest Center Frequency.		
units	Hz	
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/slantRangeSpacing</b>		
Type: Float64	Shape: scalar	
Description: Slant range spacing of grid. Same as difference between consecutive samples in slantRange array		

	units	meters
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/slantRange</b>		
<b>Type: Float64</b>		<b>Shape: (frequencyASlantRangeWidth)</b>
<b>Description:</b> CF compliant dimension associated with slant range		
	units	meters
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/listOfTxTRMs</b>		
<b>Type: Byte</b>		<b>Shape: (TRMLength)</b>
<b>Description:</b> TR modules used for transmit		
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/rxH/listOfRxTRMs</b>		
<b>Type: Byte</b>		<b>Shape: (TRMLength)</b>
<b>Description:</b> TR modules used for receive		
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/rxV/listOfRxTRMs</b>		
<b>Type: Byte</b>		<b>Shape: (TRMLength)</b>
<b>Description:</b> TR modules used for receive		
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/rxH/HH</b>		
<b>Type: CFloat32</b>		<b>Shape: (alongTrackTimeLength, frequencyASlantRangeWidth)</b>
<b>Description:</b> Encoded HH raw data (see BFPQLUT).		
	units	DN
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/rxV/HV</b>		
<b>Type: CFloat32</b>		<b>Shape: (alongTrackTimeLength, frequencyASlantRangeWidth)</b>
<b>Description:</b> Encoded HV raw data (see BFPQLUT)		
	units	DN
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/rxH/BFPQLUT</b>		
<b>Type: Float32</b>		<b>Shape: (bfpqLutShape)</b>
<b>Description:</b> Lookup table to decode raw data into floating point		
	units	DN
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/rxV/BFPQLUT</b>		
<b>Type: Float32</b>		<b>Shape: (bfpqLutShape)</b>
<b>Description:</b> Lookup table to decode raw data into floating point		
	units	DN
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/radarTime</b>		
<b>Type: UInt64</b>		<b>Shape: (alongTrackTimeLength)</b>
<b>Description:</b> 64-bit L-SAR radar clock time tag		
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/rangeLineIndex</b>		
<b>Type: UInt32</b>		<b>Shape: (alongTrackTimeLength)</b>
<b>Description:</b> 32-bit L-SAR range line index		
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/UTCtime</b>		
<b>Type: Float64</b>		<b>Shape: (alongTrackTimeLength)</b>
<b>Description:</b> UTC transmit time tag		
	units	seconds since yyyy-mm-dd
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/numberOfSubSwaths</b>		
<b>Type: UByte</b>		<b>Shape: scalar</b>
<b>Description:</b> Number of swaths of continuous imagery, due to transmit gaps		
	units	unitless
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/validSamplesSubSwath1</b>		
<b>Type: UInt32</b>		<b>Shape: (alongTrackTimeLength, firstLastPair)</b>
<b>Description:</b> First and last valid sample in each line of 1st subswath		
	units	unitless
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/validSamplesSubSwath2</b>		
<b>Type: UInt32</b>		<b>Shape: (alongTrackTimeLength, firstLastPair)</b>
<b>Description:</b> First and last valid sample in each line of 2nd subswath		
	units	unitless
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/validSamplesSubSwath3</b>		

<b>Type: UInt32</b>		<b>Shape: (alongTrackTimeLength, firstLastPair)</b>
<b>Description:</b> First and last valid sample in each line of 3rd subswath		
units	unitless	
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/validSamplesSubSwath4</b>		
<b>Type: UInt32</b>		<b>Shape: (alongTrackTimeLength, firstLastPair)</b>
<b>Description:</b> First and last valid sample in each line of 4th subswath		
units	unitless	
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/validSamplesSubSwath5</b>		
<b>Type: UInt32</b>		<b>Shape: (alongTrackTimeLength, firstLastPair)</b>
<b>Description:</b> First and last valid sample in each line of 5th subswath		
units	unitless	
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/txPhase</b>		
<b>Type: Float32</b>		<b>Shape: (alongTrackTimeLength, TRMLength)</b>
<b>Description:</b> Pulse-by-pulse phases of TX paths of TRMs		
units	degrees	
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/chirpCorrelator</b>		
<b>Type: CFloat32</b>		<b>Shape: (alongTrackTimeLength, TRMLength, triplet)</b>
<b>Description:</b> Three taps of loopback calibration signal correlator		
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/calType</b>		
<b>Type: UByte</b>		<b>Shape: (alongTrackTimeLength)</b>
<b>Description:</b> Path taken by loopback calibration signal on each pulse		
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/rxH/attenuation</b>		
<b>Type: Float32</b>		<b>Shape: (alongTrackTimeLength, TRMLength)</b>
<b>Description:</b> Pulse-by-pulse receiver attenuation on H-polarization		
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/rxV/attenuation</b>		
<b>Type: Float32</b>		<b>Shape: (alongTrackTimeLength, TRMLength)</b>
<b>Description:</b> Pulse-by-pulse receiver attenuation on H-polarization		
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/rxH/caltone</b>		
<b>Type: CFloat32</b>		<b>Shape: (alongTrackTimeLength, TRMLength)</b>
<b>Description:</b> Pulse-by-pulse complex Caltone coefficients on H-polarization		
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/rxV/caltone</b>		
<b>Type: CFloat32</b>		<b>Shape: (alongTrackTimeLength, TRMLength, triplet)</b>
<b>Description:</b> Pulse-by-pulse complex Caltone coefficients on V-polarization		
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/rxH/sampleRateDBF</b>		
<b>Type: Float64</b>		<b>Shape: scalar</b>
<b>Description:</b> Sampling rate of H-pol RX DBF timing parameters RD, WD, and WL.		
units	Hz	
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/rxH/RD</b>		
<b>Type: UInt32</b>		<b>Shape: (alongTrackTimeLength, TRMLength)</b>
<b>Description:</b> Pulse-by-pulse round-trip fast-time sample indices (RD) at sampleRateDBF clock used in DBF on H-pol receivers		
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/rxH/WD</b>		
<b>Type: UInt32</b>		<b>Shape: (alongTrackTimeLength, TRMLength)</b>
<b>Description:</b> Pulse-by-pulse relative-to-RD fast-time window data position indices (WD) at sampleRateDBF clock used in DBF on H-pol receivers		
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/rxH/WL</b>		
<b>Type: UInt32</b>		<b>Shape: (alongTrackTimeLength, TRMLength)</b>
<b>Description:</b> Pulse-by-pulse fast-time window length (WL) at sampleRateDBF clock used in DBF on H-pol receivers		
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/rxV/sampleRateDBF</b>		
<b>Type: Float64</b>		<b>Shape: scalar</b>
<b>Description:</b> Sampling rate of V-pol RX DBF timing parameters RD, WD, and WL.		
units	Hz	
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/rxV/RD</b>		
<b>Type: UInt32</b>		<b>Shape: (alongTrackTimeLength, TRMLength)</b>



<b>Description:</b> Pulse-by-pulse round-trip fast-time sample indices (RD) at sampleRateDBF clock used in DBF on V-pol receivers	
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/rxV/WD</b>	
<b>Type:</b> UInt32	<b>Shape:</b> (alongTrackTimeLength, TRMLength)
<b>Description:</b> Pulse-by-pulse relative-to-RD fast-time window data position indices (WD) at sampleRateDBF clock used in DBF on V-pol receivers	
<b>/science/LSAR/RRSD/swaths/frequencyA/txH/rxV/WL</b>	
<b>Type:</b> UInt32	<b>Shape:</b> (alongTrackTimeLength, TRMLength)
<b>Description:</b> Pulse-by-pulse fast-time window length (WL) at sampleRateDBF clock used in DBF on V-pol receivers	

## 5.4 High Rate Radar Telemetry

Table 5-4 NISAR HDF5 variables related to High Rate Radar Telemetry

<b>Product Imagery Variables</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SIF/RADAR_TIME</b>	
Type: UInt64	Shape: (alongTrackTimeLength)
Description: RADAR_TIME under SIF Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SIF/DATA_POLARITY</b>	
Type: UByte	Shape: (alongTrackTimeLength)
Description: DATA_POLARITY under SIF Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SIF/MGT_Q_STATUS</b>	
Type: UByte	Shape: (alongTrackTimeLength)
Description: MGT_Q_STATUS under SIF Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SIF/MGT_I_STATUS</b>	
Type: UByte	Shape: scalar
Description: MGT_I_STATUS under SIF Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SIF/SIF_FIRMWARE</b>	
Type: UByte	Shape: (alongTrackTimeLength)
Description: SIF_FIRMWARE under SIF Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SIF/HST_DRT_INDEX</b>	
Type: UInt16	Shape: (alongTrackTimeLength)
Description: HST_DRT_INDEX under SIF Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SIF/HST_DRT</b>	
Type: UInt32	Shape: (alongTrackTimeLength)
Description: HST_DRT_INDEX under SIF Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SIF/OBS_ID</b>	
Type: UInt32	Shape: (alongTrackTimeLength)
Description: OBS_ID under SIF Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/RangeLine/CP_QFSP_ENABLED</b>	
Type: UByte	Shape: (alongTrackTimeLength)
Description: CP_QFSP-ENABLED under RangeLine Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/RangeLine/IS_RANGELINE_HEADER</b>	
Type: UByte	Shape: (alongTrackTimeLength)
Description: IS_RANGELINE_HEADER under RangeLine Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/RangeLine/CP_BFPQ_BYPASS</b>	
Type: UByte	Shape: (alongTrackTimeLength)
Description: CP_BFPQ-BYPASS under RangeLine Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/RangeLine/BFPQ_IMANT</b>	
Type: UByte	Shape: (alongTrackTimeLength)
Description: BFPQ_IMANT under RangeLine Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/RangeLine/RANGELINE_INDEX</b>	
Type: UByte	Shape: (alongTrackTimeLength)
Description: RANGELINE_INDEX under RangeLine Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/HWID</b>	
Type: UByte	Shape: (alongTrackTimeLength)
Description: HWID under QFSP Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CP_RD0</b>	

Type: UInt64	Shape: (alongTrackTimeLength)
Description: CP_RD0 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/PRF_TIME	
Type: UInt64	Shape: (alongTrackTimeLength)
Description: PRF_TIME under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/DLEN	
Type: UInt32	Shape: (alongTrackTimeLength)
Description: DLEN under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/Status	
Type: UByte	Shape: (alongTrackTimeLength)
Description: Status under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/PRF_COUNT	
Type: UInt32	Shape: (alongTrackTimeLength)
Description: PRF_COUNT under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CP_TX_PHASE_01	
Type: UByte	Shape: (alongTrackTimeLength)
Description: CP_TX-PHASE_01 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CP_RX_ATTENUATOR_01	
Type: UByte	Shape: (alongTrackTimeLength)
Description: CP_RX-ATTENUATOR_01 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CP_WL_01	
Type: UInt32	Shape: (alongTrackTimeLength)
Description: CP_RX-ATTENUATOR_01 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CP_WD_01	
Type: UInt16	Shape: (alongTrackTimeLength)
Description: CP_WD_01 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CHIRP_CORRELATOR_I1_01	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_I1_01 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CHIRP_CORRELATOR_Q1_01	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_Q1_01 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CHIRP_CORRELATOR_I2_01	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_I1_01 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CHIRP_CORRELATOR_Q2_01	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_Q1_01 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CHIRP_CORRELATOR_I3_01	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_I1_01 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CHIRP_CORRELATOR_Q3_01	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_Q1_01 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CALTONE_I_01	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CALTONE_I_01 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CALTONE_Q_01	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CALTONE_Q_01 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CP_TX_PHASE_02	
Type: UByte	Shape: (alongTrackTimeLength)
Description: CP_TX-PHASE_02 under QFSP Header	

<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CP_RX_ATTENUATOR_02</b>	
<b>Type: UByte</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CP_RX-ATTENUATOR_02 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CP_WL_02</b>	
<b>Type: UInt32</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CP_WL_02 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CP_WD_02</b>	
<b>Type: UInt16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CP_WD_02 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CHIRP_CORRELATOR_I1_02</b>	
<b>Type: Int16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CHIRP_CORRELATOR_I1_02 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CHIRP_CORRELATOR_Q1_02</b>	
<b>Type: Int16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CHIRP_CORRELATOR_Q1_02 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CHIRP_CORRELATOR_I2_02</b>	
<b>Type: Int16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CHIRP_CORRELATOR_I1_02 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CHIRP_CORRELATOR_Q2_02</b>	
<b>Type: Int16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CHIRP_CORRELATOR_Q1_02 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CHIRP_CORRELATOR_I3_02</b>	
<b>Type: Int16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CHIRP_CORRELATOR_I1_02 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CHIRP_CORRELATOR_Q3_02</b>	
<b>Type: Int16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CHIRP_CORRELATOR_Q1_02 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CALTONE_I_02</b>	
<b>Type: Int16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CALTONE_I_02 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CALTONE_Q_02</b>	
<b>Type: Int16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CALTONE_Q_02 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CP_TX_PHASE_03</b>	
<b>Type: UByte</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CP_TX-PHASE_03 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CP_RX_ATTENUATOR_03</b>	
<b>Type: UByte</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CP_RX-ATTENUATOR_03 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CP_WL_03</b>	
<b>Type: UInt32</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CP_WL_03 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CP_WD_03</b>	
<b>Type: UInt16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CP_WD_03 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CHIRP_CORRELATOR_I1_03</b>	
<b>Type: Int16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CHIRP_CORRELATOR_I1_03 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CHIRP_CORRELATOR_Q1_03</b>	
<b>Type: Int16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CHIRP_CORRELATOR_Q1_03 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CHIRP_CORRELATOR_I2_03</b>	
<b>Type: Int16</b>	<b>Shape: (alongTrackTimeLength)</b>

Description: CHIRP_CORRELATOR_I1_03 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CHIRP_CORRELATOR_Q2_03	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_Q1_03 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CHIRP_CORRELATOR_I3_03	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_I1_03 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CHIRP_CORRELATOR_Q3_03	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_Q1_03 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CALTONE_I_03	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CALTONE_I_03 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CALTONE_Q_03	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CALTONE_Q_03 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CP_TX_PHASE_04	
Type: UByte	Shape: (alongTrackTimeLength)
Description: CP_TX-PHASE_04 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CP_RX_ATTENUATOR_04	
Type: UByte	Shape: (alongTrackTimeLength)
Description: CP_RX-ATTENUATOR_04 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CP_WL_04	
Type: UInt32	Shape: (alongTrackTimeLength)
Description: CP_WL_04 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CP_WD_04	
Type: UInt16	Shape: (alongTrackTimeLength)
Description: CP_WD_04 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CHIRP_CORRELATOR_I1_04	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_I1_04 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CHIRP_CORRELATOR_Q1_04	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_Q1_04 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CHIRP_CORRELATOR_I2_04	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_I1_04 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CHIRP_CORRELATOR_Q2_04	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_Q1_04 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CHIRP_CORRELATOR_I3_04	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_I1_04 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CHIRP_CORRELATOR_Q3_04	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_Q1_04 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CALTONE_I_04	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CALTONE_I_04 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP0/CALTONE_Q_04	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CALTONE_Q_04 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/HWID	

Type: UByte	Shape: (alongTrackTimeLength)
Description: HWID under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CP_RD1	
Type: UInt64	Shape: (alongTrackTimeLength)
Description: CP_RD0 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/PRF_TIME	
Type: UInt64	Shape: (alongTrackTimeLength)
Description: PRF_TIME under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/DLEN	
Type: UInt32	Shape: (alongTrackTimeLength)
Description: DLEN under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/Status	
Type: UByte	Shape: (alongTrackTimeLength)
Description: Status under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/PRF_COUNT	
Type: UInt32	Shape: (alongTrackTimeLength)
Description: PRF_COUNT under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CP_TX_PHASE_05	
Type: UByte	Shape: (alongTrackTimeLength)
Description: CP_TX-PHASE_05 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CP_RX_ATTENUATOR_05	
Type: UByte	Shape: (alongTrackTimeLength)
Description: CP_RX-ATTENUATOR_05 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CP_WL_05	
Type: UInt32	Shape: (alongTrackTimeLength)
Description: CP_RX-ATTENUATOR_05 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CP_WD_05	
Type: UInt16	Shape: (alongTrackTimeLength)
Description: CP_WD_05 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CHIRP_CORRELATOR_I1_05	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_I1_05 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CHIRP_CORRELATOR_Q1_05	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_Q1_05 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CHIRP_CORRELATOR_I2_05	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_I1_05 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CHIRP_CORRELATOR_Q2_05	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_Q1_05 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CHIRP_CORRELATOR_I3_05	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_I1_05 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CHIRP_CORRELATOR_Q3_05	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_Q1_05 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CALTONE_I_05	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CALTONE_I_05 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CALTONE_Q_05	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CALTONE_Q_05 under QFSP Header	

<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CP_TX_PHASE_06</b>	
<b>Type: UByte</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CP_TX-PHASE_06 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CP_RX_ATTENUATOR_06</b>	
<b>Type: UByte</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CP_RX-ATTENUATOR_06 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CP_WL_06</b>	
<b>Type: UInt32</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CP_WL_06 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CP_WD_06</b>	
<b>Type: UInt16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CP_WD_06 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CHIRP_CORRELATOR_I1_06</b>	
<b>Type: Int16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CHIRP_CORRELATOR_I1_06 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CHIRP_CORRELATOR_Q1_06</b>	
<b>Type: Int16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CHIRP_CORRELATOR_Q1_06 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CHIRP_CORRELATOR_I2_06</b>	
<b>Type: Int16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CHIRP_CORRELATOR_I1_06 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CHIRP_CORRELATOR_Q2_06</b>	
<b>Type: Int16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CHIRP_CORRELATOR_Q1_06 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CHIRP_CORRELATOR_I3_06</b>	
<b>Type: Int16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CHIRP_CORRELATOR_I1_06 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CHIRP_CORRELATOR_Q3_06</b>	
<b>Type: Int16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CHIRP_CORRELATOR_Q1_06 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CALTONE_I_06</b>	
<b>Type: Int16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CALTONE_I_06 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CALTONE_Q_06</b>	
<b>Type: Int16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CALTONE_Q_06 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CP_TX_PHASE_07</b>	
<b>Type: UByte</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CP_TX-PHASE_07 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CP_RX_ATTENUATOR_07</b>	
<b>Type: UByte</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CP_RX-ATTENUATOR_07 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CP_WL_07</b>	
<b>Type: UInt32</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CP_WL_07 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CP_WD_07</b>	
<b>Type: UInt16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CP_WD_07 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CHIRP_CORRELATOR_I1_07</b>	
<b>Type: Int16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CHIRP_CORRELATOR_I1_07 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CHIRP_CORRELATOR_Q1_07</b>	
<b>Type: Int16</b>	<b>Shape: (alongTrackTimeLength)</b>

Description: CHIRP_CORRELATOR_Q1_07 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CHIRP_CORRELATOR_I2_07	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_I1_07 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CHIRP_CORRELATOR_Q2_07	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_Q1_07 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CHIRP_CORRELATOR_I3_07	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_I1_07 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CHIRP_CORRELATOR_Q3_07	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_Q1_07 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CALTONE_I_07	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CALTONE_I_07 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CALTONE_Q_07	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CALTONE_Q_07 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CP_TX_PHASE_08	
Type: UByte	Shape: (alongTrackTimeLength)
Description: CP_TX-PHASE_08 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CP_RX_ATTENUATOR_08	
Type: UByte	Shape: (alongTrackTimeLength)
Description: CP_RX-ATTENUATOR_08 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CP_WL_08	
Type: UInt32	Shape: (alongTrackTimeLength)
Description: CP_WL_08 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CP_WD_08	
Type: UInt16	Shape: (alongTrackTimeLength)
Description: CP_WD_08 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CHIRP_CORRELATOR_I1_08	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_I1_08 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CHIRP_CORRELATOR_Q1_08	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_Q1_08 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CHIRP_CORRELATOR_I2_08	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_I1_08 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CHIRP_CORRELATOR_Q2_08	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_Q1_08 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CHIRP_CORRELATOR_I3_08	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_I1_08 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CHIRP_CORRELATOR_Q3_08	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_Q1_08 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CALTONE_I_08	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CALTONE_I_08 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP1/CALTONE_Q_08	



Type: Int16	Shape: (alongTrackTimeLength)
Description: CALTONE_Q_08 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/HWID	
Type: UByte	Shape: (alongTrackTimeLength)
Description: HWID under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CP_RD2	
Type: UInt64	Shape: (alongTrackTimeLength)
Description: CP_RD2 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/PRF_TIME	
Type: UInt64	Shape: (alongTrackTimeLength)
Description: PRF_TIME under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/DLEN	
Type: UInt32	Shape: (alongTrackTimeLength)
Description: DLEN under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/Status	
Type: UByte	Shape: (alongTrackTimeLength)
Description: Status under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/PRF_COUNT	
Type: UInt32	Shape: (alongTrackTimeLength)
Description: PRF_COUNT under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CP_TX_PHASE_09	
Type: UByte	Shape: (alongTrackTimeLength)
Description: CP_TX-PHASE_09 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CP_RX_ATTENUATOR_09	
Type: UByte	Shape: (alongTrackTimeLength)
Description: CP_RX-ATTENUATOR_09 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CP_WL_09	
Type: UInt32	Shape: (alongTrackTimeLength)
Description: CP_RX-ATTENUATOR_09 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CP_WD_09	
Type: UInt16	Shape: (alongTrackTimeLength)
Description: CP_WD_09 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CHIRP_CORRELATOR_I1_09	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_I1_09 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CHIRP_CORRELATOR_Q1_09	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_Q1_09 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CHIRP_CORRELATOR_I2_09	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_I1_09 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CHIRP_CORRELATOR_Q2_09	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_Q1_09 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CHIRP_CORRELATOR_I3_09	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_I1_09 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CHIRP_CORRELATOR_Q3_09	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CHIRP_CORRELATOR_Q1_09 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CALTONE_I_09	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CALTONE_I_09 under QFSP Header	

<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CALTONE_Q_09</b>	
<b>Type: Int16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CALTONE_Q_09 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CP_TX_PHASE_10</b>	
<b>Type: UByte</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CP_TX-PHASE_10 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CP_RX_ATTENUATOR_10</b>	
<b>Type: UByte</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CP_RX-ATTENUATOR_10 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CP_WL_10</b>	
<b>Type: UInt32</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CP_WL_10 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CP_WD_10</b>	
<b>Type: UInt16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CP_WD_10 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CHIRP_CORRELATOR_I1_10</b>	
<b>Type: Int16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CHIRP_CORRELATOR_I1_10 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CHIRP_CORRELATOR_Q1_10</b>	
<b>Type: Int16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CHIRP_CORRELATOR_Q1_10 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CHIRP_CORRELATOR_I2_10</b>	
<b>Type: Int16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CHIRP_CORRELATOR_I1_10 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CHIRP_CORRELATOR_Q2_10</b>	
<b>Type: Int16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CHIRP_CORRELATOR_Q1_10 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CHIRP_CORRELATOR_I3_10</b>	
<b>Type: Int16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CHIRP_CORRELATOR_I1_10 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CHIRP_CORRELATOR_Q3_10</b>	
<b>Type: Int16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CHIRP_CORRELATOR_Q1_10 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CALTONE_I_10</b>	
<b>Type: Int16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CALTONE_I_10 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CALTONE_Q_10</b>	
<b>Type: Int16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CALTONE_Q_10 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CP_TX_PHASE_11</b>	
<b>Type: UByte</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CP_TX-PHASE_11 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CP_RX_ATTENUATOR_11</b>	
<b>Type: UByte</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CP_RX-ATTENUATOR_11 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CP_WL_11</b>	
<b>Type: UInt32</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CP_WL_11 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CP_WD_11</b>	
<b>Type: UInt16</b>	<b>Shape: (alongTrackTimeLength)</b>
<b>Description: CP_WD_11 under QFSP Header</b>	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CHIRP_CORRELATOR_I1_11</b>	
<b>Type: Int16</b>	<b>Shape: (alongTrackTimeLength)</b>

<b>Description:</b> CHIRP_CORRELATOR_I1_11 under QFSP Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CHIRP_CORRELATOR_Q1_11</b>	
<b>Type:</b> Int16	<b>Shape:</b> (alongTrackTimeLength)
<b>Description:</b> CHIRP_CORRELATOR_Q1_11 under QFSP Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CHIRP_CORRELATOR_I2_11</b>	
<b>Type:</b> Int16	<b>Shape:</b> (alongTrackTimeLength)
<b>Description:</b> CHIRP_CORRELATOR_I1_11 under QFSP Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CHIRP_CORRELATOR_Q2_11</b>	
<b>Type:</b> Int16	<b>Shape:</b> (alongTrackTimeLength)
<b>Description:</b> CHIRP_CORRELATOR_Q1_11 under QFSP Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CHIRP_CORRELATOR_I3_11</b>	
<b>Type:</b> Int16	<b>Shape:</b> (alongTrackTimeLength)
<b>Description:</b> CHIRP_CORRELATOR_I1_11 under QFSP Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CHIRP_CORRELATOR_Q3_11</b>	
<b>Type:</b> Int16	<b>Shape:</b> (alongTrackTimeLength)
<b>Description:</b> CHIRP_CORRELATOR_Q1_11 under QFSP Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CALTONE_I_11</b>	
<b>Type:</b> Int16	<b>Shape:</b> (alongTrackTimeLength)
<b>Description:</b> CALTONE_I_11 under QFSP Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CALTONE_Q_11</b>	
<b>Type:</b> Int16	<b>Shape:</b> (alongTrackTimeLength)
<b>Description:</b> CALTONE_Q_11 under QFSP Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CP_TX_PHASE_12</b>	
<b>Type:</b> UByte	<b>Shape:</b> (alongTrackTimeLength)
<b>Description:</b> CP_TX-PHASE_12 under QFSP Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CP_RX_ATTENUATOR_12</b>	
<b>Type:</b> UByte	<b>Shape:</b> (alongTrackTimeLength)
<b>Description:</b> CP_RX-ATTENUATOR_12 under QFSP Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CP_WL_12</b>	
<b>Type:</b> UInt32	<b>Shape:</b> (alongTrackTimeLength)
<b>Description:</b> CP_WL_12 under QFSP Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CP_WD_12</b>	
<b>Type:</b> UInt16	<b>Shape:</b> (alongTrackTimeLength)
<b>Description:</b> CP_WD_12 under QFSP Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CHIRP_CORRELATOR_I1_12</b>	
<b>Type:</b> Int16	<b>Shape:</b> (alongTrackTimeLength)
<b>Description:</b> CHIRP_CORRELATOR_I1_12 under QFSP Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CHIRP_CORRELATOR_Q1_12</b>	
<b>Type:</b> Int16	<b>Shape:</b> (alongTrackTimeLength)
<b>Description:</b> CHIRP_CORRELATOR_Q1_12 under QFSP Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CHIRP_CORRELATOR_I2_12</b>	
<b>Type:</b> Int16	<b>Shape:</b> (alongTrackTimeLength)
<b>Description:</b> CHIRP_CORRELATOR_I1_12 under QFSP Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CHIRP_CORRELATOR_Q2_12</b>	
<b>Type:</b> Int16	<b>Shape:</b> (alongTrackTimeLength)
<b>Description:</b> CHIRP_CORRELATOR_Q1_12 under QFSP Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CHIRP_CORRELATOR_I3_12</b>	
<b>Type:</b> Int16	<b>Shape:</b> (alongTrackTimeLength)
<b>Description:</b> CHIRP_CORRELATOR_I1_12 under QFSP Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CHIRP_CORRELATOR_Q3_12</b>	
<b>Type:</b> Int16	<b>Shape:</b> (alongTrackTimeLength)
<b>Description:</b> CHIRP_CORRELATOR_Q1_12 under QFSP Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CALTONE_I_12</b>	

Type: Int16	Shape: (alongTrackTimeLength)
Description: CALTONE_I_12 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/QFSP2/CALTONE_Q_12	
Type: Int16	Shape: (alongTrackTimeLength)
Description: CALTONE_Q_12 under QFSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SSP/CP_QFSP_ENABLED	
Type: Byte	Shape: (alongTrackTimeLength)
Description: CP_QFSP-ENABLED under SSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SSP/CP_FILTER_BYPASS	
Type: Byte	Shape: (alongTrackTimeLength)
Description: CP_FILTER-BYPASS under SSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SSP/CP_GAP_MITIGATION	
Type: Byte	Shape: (alongTrackTimeLength)
Description: CP_GAP-MITIGATION under SSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SSP/CP_BANDWIDTH	
Type: Byte	Shape: (alongTrackTimeLength)
Description: CP_BANDWIDTH under SSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SSP/TIMETAG	
Type: Int32	Shape: (alongTrackTimeLength)
Description: TIMETAG under SSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SSP/CP_HEADER_ONLY	
Type: Byte	Shape: (alongTrackTimeLength)
Description: CP_HEADER-ONLY under SSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SSP/CP_DATA_ONLY	
Type: Byte	Shape: (alongTrackTimeLength)
Description: CP_DATA-ONLY under SSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SSP/PACKET_ERROR	
Type: Byte	Shape: (alongTrackTimeLength)
Description: PACKET_ERROR under SSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SSP/UPDATE_TIMETAG	
Type: Int32	Shape: (alongTrackTimeLength)
Description: UPDATE_TIMETAG under SSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SSP/CP_F1_LEN	
Type: Int32	Shape: (alongTrackTimeLength)
Description: CP_F1-LEN under SSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SSP/CP_F2_LEN	
Type: Int32	Shape: (alongTrackTimeLength)
Description: CP_F2-LEN under SSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SSP/CP_F3_LEN	
Type: Int32	Shape: (alongTrackTimeLength)
Description: CP_F3-LEN under SSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SSP/CP_FILTER_IN_BAND	
Type: Byte	Shape: (alongTrackTimeLength)
Description: CP_FILTER-IN-BAND under SSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SSP/GAP_START_1	
Type: Int32	Shape: (alongTrackTimeLength)
Description: GAP_START_1 under SSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SSP/GAP_STOP_1	
Type: Int32	Shape: (alongTrackTimeLength)
Description: GAP_STOP_1 under SSP Header	
/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SSP/GAP_START_2	
Type: Int32	Shape: (alongTrackTimeLength)
Description: GAP_START_1 under SSP Header	

<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SSP/GAP_STOP_2</b>	
Type: Int32	Shape: (alongTrackTimeLength)
Description: GAP_STOP_1 under SSP Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SSP/GAP_START_3</b>	
Type: Int32	Shape: (alongTrackTimeLength)
Description: GAP_START_1 under SSP Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SSP/GAP_STOP_3</b>	
Type: Int32	Shape: (alongTrackTimeLength)
Description: GAP_STOP_1 under SSP Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SSP/RL_LEN</b>	
Type: Int32	Shape: (alongTrackTimeLength)
Description: RL_LEN under SSP Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SSP/CRL_LEN</b>	
Type: Int32	Shape: (alongTrackTimeLength)
Description: CRL_LEN under SSP Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SSP/ERR_CHECKSUM</b>	
Type: Byte	Shape: (alongTrackTimeLength)
Description: ERR_CHECKSUM under SSP Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SSP/CP_BFPQ_BYPASS</b>	
Type: Byte	Shape: (alongTrackTimeLength)
Description: CP_BFPQ-BYPASS under SSP Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SSP/CP_IPOL</b>	
Type: Byte	Shape: (alongTrackTimeLength)
Description: CP_IPOL under SSP Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SSP/BFPQ_CHECKSUM</b>	
Type: Byte	Shape: (alongTrackTimeLength)
Description: BFPQ_CHECKSUM under SSP Header	
<b>/science/LSAR/RRSD/highRateTelemetry/txH/rxH/SSP/SSP_HDR_CHECKSUM</b>	
Type: Byte	Shape: (alongTrackTimeLength)
Description: SSP_HDR_CHECKSUM under SSP Header	

## 5.5 Low Rate Radar Telemetry

Table 5-5 NISAR HDF5 variables related to Low Rate Radar Telemetry

<b>Product Imagery Variables</b>		
<b>/science/LSAR/RRSD/lowRateTelemetry/orbit/time</b>		
<b>Type: Float64</b>	<b>Shape: (orbitListLength)</b>	
<b>Description:</b> Downlinked state vector time		
units	seconds since YYYY-MM-DD HH:MM:SS	
<b>/science/LSAR/RRSD/lowRateTelemetry/orbit/position</b>		
<b>Type: Float64</b>	<b>Shape: (orbitListLength, tripletxyz)</b>	
<b>Description:</b> GPS state vector position		
units	meters	
<b>/science/LSAR/RRSD/lowRateTelemetry/orbit/velocity</b>		
<b>Type: Float64</b>	<b>Shape: (orbitListLength, tripletxyz)</b>	
<b>Description:</b> GPS state vector velocity		
units	meters/second	
<b>/science/LSAR/RRSD/lowRateTelemetry/orbit/orbitType</b>		
<b>Type: string</b>	<b>Shape: scalar</b>	
<b>Description:</b> Orbit product type, one of {FOE, NOE, MOE, POE, Custom} where FOE stands for Forecast Orbit Ephemeris, NOE is Near real-time Orbit Ephemeris, MOE is Medium precision Orbit Ephemeris, and POE is Precise Orbit Ephemeris		
<b>/science/LSAR/RRSD/lowRateTelemetry/attitude/time</b>		
<b>Type: Float64</b>	<b>Shape: (attitudeListLength)</b>	
<b>Description:</b> Time vector record. This record contains the time corresponding to attitude and quaternion records		
units	seconds since YYYY-MM-DD HH:MM:SS	
<b>/science/LSAR/RRSD/lowRateTelemetry/attitude/quaternions</b>		
<b>Type: Float64</b>	<b>Shape: (attitudeListLength, quaternions)</b>	
<b>Description:</b> Attitude quaternions (q0, q1, q2, q3) where $q_0 + q_1*i + q_2*j + q_3*k$ rotates a vector from antenna (RCS) frame to ECEF XYZ frame		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/attitude/attitudeType</b>		
<b>Type: string</b>	<b>Shape: scalar</b>	
<b>Description:</b> Attitude product type, one of {FRP, NRP, PRP, Custom} where FRP stands for Forecast Radar Pointing, NRP is the Near Real-time Pointing, and PRP is the Precise Radar Pointing product.		
<b>/science/LSAR/RRSD/lowRateTelemetry/HST/DT_LRCLK_CTB_PPS</b>		
<b>Type: UInt64</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description:</b> DT-LRCLK_CTB-PPS from HST Frame		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/HST/DT_LRCLK_GPS_PPS</b>		
<b>Type: UInt64</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description:</b> /DT-LRCLK_GPS-PPS from HST Frame		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/HST/DT_GPS_GPS_PPS</b>		

<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: DT-GPS_GPS-PPS from HST Frame</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/HST/ST_DATATAKE_ACTIVE</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: ST_DATATAKE-ACTIVE from HST Frame</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/HST/ST_LSAR_POWER_STATE</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: ST_LSAR-POWER-STATE from HST Frame</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/HST/ST_HIGH_PRIORITY_EVR</b>	
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: ST_HIGH-PRIORITY-EVR from HST Frame</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/HST/ST_IFSW_MESSAGE</b>	
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: ST_IFSW-MESSAGE from HST Frame</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/HST/ST_EES</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: ST_EES from HST Frame</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/CP_RD_H0</b>	
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_RD_H0 from qFSP-H0 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/CP_BCAL_DELAY_H01</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_BCAL-DELAY_H01 from qFSP-H0 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/CP_BCAL_DELAY_H02</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_BCAL-DELAY_H02 from qFSP-H0 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/CP_BCAL_DELAY_H03</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_BCAL-DELAY_H03 from qFSP-H0 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/CP_BCAL_DELAY_H04</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_BCAL-DELAY_H04 from qFSP-H0 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/VER_QFSP_V5_H0</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: VER_QFSP-V5_H0 from qFSP-H0 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/CP_WD_H01</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_WD_H01 from qFSP-H0 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/CP_WD_H02</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>

<b>Description:</b> CP_WD_H02 from qFSP-H0 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/CP_WD_H03</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_WD_H03 from qFSP-H0 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/CP_WD_H04</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_WD_H04 from qFSP-H0 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/CP_WL_H01</b>		
<b>Type: UInt32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_WL_H01 from qFSP-H0 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/CP_WL_H02</b>		
<b>Type: UInt32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_WL_H02 from qFSP-H0 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/CP_WL_H03</b>		
<b>Type: UInt32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_WL_H03 from qFSP-H0 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/CP_WL_H04</b>		
<b>Type: UInt32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_WL_H04 from qFSP-H0 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/CP_AOFS_H01</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_AOFS_H01 from qFSP-H0 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/CP_AOFS_H02</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_AOFS_H02 from qFSP-H0 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/CP_AOFS_H03</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_AOFS_H03 from qFSP-H0 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/CP_AOFS_H04</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_AOFS_H04 from qFSP-H0 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/CP_TXPHASE_H01</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_TXPHASE_H01 from qFSP-H0 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/CP_TXPHASE_H02</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_TXPHASE_H02 from qFSP-H0 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/CP_TXPHASE_H03</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_TXPHASE_H03 from qFSP-H0 DRT header		



	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/CP_TXPHASE_H04</b>		
<b>Type:</b>	UByte	Shape: (HSTDRTLength)
<b>Description:</b>	CP_TXPHASE_H04 from qFSP-H0 DRT header	
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/CP_RX_ATTENUATOR_H01</b>		
<b>Type:</b>	UByte	Shape: (HSTDRTLength)
<b>Description:</b>	CP_RX-ATTENUATOR_H01 from qFSP-H0 DRT header	
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/CP_RX_ATTENUATOR_H02</b>		
<b>Type:</b>	UByte	Shape: (HSTDRTLength)
<b>Description:</b>	CP_RX-ATTENUATOR_H02 from qFSP-H0 DRT header	
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/CP_RX_ATTENUATOR_H03</b>		
<b>Type:</b>	UByte	Shape: (HSTDRTLength)
<b>Description:</b>	CP_RX-ATTENUATOR_H03 from qFSP-H0 DRT header	
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/CP_RX_ATTENUATOR_H04</b>		
<b>Type:</b>	UByte	Shape: (HSTDRTLength)
<b>Description:</b>	CP_RX-ATTENUATOR_H04 from qFSP-H0 DRT header	
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/P_QFSP_ADC_H01</b>		
<b>Type:</b>	UInt32	Shape: (HSTDRTLength)
<b>Description:</b>	P_QFSP-ADC_H01 from qFSP-H0 DRT header	
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/P_QFSP_ADC_H02</b>		
<b>Type:</b>	UInt32	Shape: (HSTDRTLength)
<b>Description:</b>	P_QFSP-ADC_H02 from qFSP-H0 DRT header	
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/P_QFSP_ADC_H03</b>		
<b>Type:</b>	UInt32	Shape: (HSTDRTLength)
<b>Description:</b>	P_QFSP-ADC_H03 from qFSP-H0 DRT header	
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/P_QFSP_ADC_H04</b>		
<b>Type:</b>	UInt32	Shape: (HSTDRTLength)
<b>Description:</b>	P_QFSP-ADC_H04 from qFSP-H0 DRT header	
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/VER_QFSP_PA_H0</b>		
<b>Type:</b>	UInt16	Shape: (HSTDRTLength)
<b>Description:</b>	VER_QFSP-PA_H0 from qFSP-H0 DRT header	
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/ST_QFSP_TX_INHIBIT_H0</b>		
<b>Type:</b>	UByte	Shape: (HSTDRTLength)
<b>Description:</b>	ST_QFSP-TX-INHIBIT_H0 from qFSP-H0 DRT header	
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/ST_QFSP_FDONE_H0</b>		
<b>Type:</b>	UByte	Shape: (HSTDRTLength)
<b>Description:</b>	ST_QFSP-FDONE_H0 from qFSP-H0 DRT header	
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/T_TRM_RFF_H01</b>		
<b>Type:</b>	UInt16	Shape: (HSTDRTLength)
<b>Description:</b>	T_TRM-RFF_H01 from qFSP-H0 DRT header	
	units	Celsius

<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/T_TRM_RFF_H02</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-RFF_H02 from qFSP-H0 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/T_TRM_RFF_H03</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-RFF_H03 from qFSP-H0 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/T_TRM_RFF_H04</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-RFF_H04 from qFSP-H0 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/T_TRM_AAF_H01</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-AAF_H01 from qFSP-H0 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/T_TRM_AAF_H02</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-AAF_H02 from qFSP-H0 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/T_TRM_AAF_H03</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-AAF_H03 from qFSP-H0 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/T_TRM_AAF_H04</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-AAF_H04 from qFSP-H0 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/T_TRM_FRAP3</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-FRAP3 from qFSP-H0 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/T_TRM_FRAP4</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-FRAP4 from qFSP-H0 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/T_QFSP_V5_H0</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_QFSP-V5_H0 from qFSP-H0 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/T_QFSP_CR1_H0</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_QFSP_CR1_H0 from qFSP-H0 DRT header</b>		
units	Ohms	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/T_QFSP_CR2_H0</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_QFSP-CR2_H0 from qFSP-H0 DRT header</b>		
units	Ohms	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/T_TRM_CRC_H01</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-CRC_H01 from qFSP-H0 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/T_TRM_CRC_H02</b>		

<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-CRC_H02 from qFSP-H0 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/T_TRM_CRC_H03</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-CRC_H03 from qFSP-H0 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/T_TRM_CRC_H04</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-CRC_H04 from qFSP-H0 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/T_TRM_HPA_H01</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-HPA_H01 from qFSP-H0 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/T_TRM_HPA_H02</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-HPA_H02 from qFSP-H0 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/T_TRM_HPA_H03</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-HPA_H03 from qFSP-H0 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/T_TRM_HPA_H04</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-HPA_H04 from qFSP-H0 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/V_PG_TRM_H01</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: V-PG_TRM_H01 from qFSP-H0 DRT header</b>	
units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/V_PG_TRM_H02</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: V-PG_TRM_H02 from qFSP-H0 DRT header</b>	
units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/V_PG_TRM_H03</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: V-PG_TRM_H03 from qFSP-H0 DRT header</b>	
units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/V_PG_TRM_H04</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: V-PG_TRM_H04 from qFSP-H0 DRT header</b>	
units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/V_50V_PG_TRM_H01</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: V-50V-PG_TRM_H01 from qFSP-H0 DRT header</b>	
units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/V_50V_PG_TRM_H02</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: V-50V-PG_TRM_H02 from qFSP-H0 DRT header</b>	
units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/V_50V_PG_TRM_H03</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>

<b>Description:</b> V-50V-PG_TRM_H03 from qFSP-H0 DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/V_50V_PG_TRM_H04</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-50V-PG_TRM_H04 from qFSP-H0 DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/V_3P3_QFSP_H0</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-3P3_QFSP_H0 from qFSP-H0 DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/V_2P5_QFSP_H0</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-2P5_QFSP_H0 from qFSP-H0 DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/V_1P0_QFSP_H0</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-1P0_QFSP_H0 from qFSP-H0 DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/V_1P2_QFSP_MGT_H0</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-1P2_QFSP-MGT_H0 from qFSP-H0 DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/V_1P0_QFSP_MGT_H0</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-1P0_QFSP-MGT_H0 from qFSP-H0 DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/V_1P5_QFSP_H0</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-1P5_QFSP_H0 from qFSP-H0 DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/V_3P3_QFSP_CD1_H0</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-3P3_QFSP-CD1_H0 from qFSP-H0 DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/V_GND_QFSP_H0</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-GND_QFSP_H0 from qFSP-H0 DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/T_QFSP_ADC_H01</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> T_QFSP-ADC_H01 from qFSP-H0 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/T_QFSP_ADC_H02</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> T_QFSP-ADC_H02 from qFSP-H0 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/T_QFSP_ADC_H03</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> T_QFSP-ADC_H03 from qFSP-H0 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H0/T_QFSP_ADC_H04</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> T_QFSP-ADC_H04 from qFSP-H0 DRT header		

	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/CP_RD_V0</b>		
<b>Type: UInt32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_RD_V0 from qFSP-V0 DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/CP_BCAL_DELAY_V01</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_BCAL-DELAY_V01 from qFSP-V0 DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/CP_BCAL_DELAY_V02</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_BCAL-DELAY_V02 from qFSP-V0 DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/CP_BCAL_DELAY_V03</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_BCAL-DELAY_V03 from qFSP-V0 DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/CP_BCAL_DELAY_V04</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_BCAL-DELAY_V04 from qFSP-V0 DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/VER_QFSP_V5_V0</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: VER_QFSP-V5_V0 from qFSP-V0 DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/CP_WD_V01</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_WD_V01 from qFSP-V0 DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/CP_WD_V02</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_WD_V02 from qFSP-V0 DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/CP_WD_V03</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_WD_V03 from qFSP-V0 DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/CP_WD_V04</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_WD_V04 from qFSP-V0 DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/CP_WL_V01</b>		
<b>Type: UInt32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_WL_V01 from qFSP-V0 DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/CP_WL_V02</b>		
<b>Type: UInt32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_WL_V02 from qFSP-V0 DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/CP_WL_V03</b>		
<b>Type: UInt32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_WL_V03 from qFSP-V0 DRT header</b>		
	units	unitless

<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/CP_WL_V04</b>		
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_WL_V04 from qFSP-V0 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/CP_AOFS_V01</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_AOFS_V01 from qFSP-V0 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/CP_AOFS_V02</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_AOFS_V02 from qFSP-V0 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/CP_AOFS_V03</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_AOFS_V03 from qFSP-V0 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/CP_AOFS_V04</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_AOFS_V04 from qFSP-V0 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/CP_TXPHASE_V01</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_TXPHASE_V01 from qFSP-V0 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/CP_TXPHASE_V02</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_TXPHASE_V02 from qFSP-V0 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/CP_TXPHASE_V03</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_TXPHASE_V03 from qFSP-V0 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/CP_TXPHASE_V04</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_TXPHASE_V04 from qFSP-V0 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/CP_RX_ATTENUATOR_V01</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_RX-ATTENUATOR_V01 from qFSP-V0 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/CP_RX_ATTENUATOR_V02</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_RX-ATTENUATOR_V02 from qFSP-V0 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/CP_RX_ATTENUATOR_V03</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_RX-ATTENUATOR_V03 from qFSP-V0 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/CP_RX_ATTENUATOR_V04</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_RX-ATTENUATOR_V04 from qFSP-V0 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/P_QFSP_ADC_V01</b>		

<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: P_QFSP-ADC_V01 from qFSP-V0 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/P_QFSP_ADC_V02</b>	
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: P_QFSP-ADC_V02 from qFSP-V0 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/P_QFSP_ADC_V03</b>	
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: P_QFSP-ADC_V03 from qFSP-V0 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/P_QFSP_ADC_V04</b>	
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: P_QFSP-ADC_V04 from qFSP-V0 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/VER_QFSP_PA_V0</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: VER_QFSP-PA_V0 from qFSP-V0 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/ST_QFSP_TX_INHIBIT_V0</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: ST_QFSP-TX-INHIBIT_V0 from qFSP-V0 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/ST_QFSP_FDONE_V0</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: ST_QFSP-FDONE_V0 from qFSP-V0 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/T_TRM_RFF_V01</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-RFF_V01 from qFSP-V0 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/T_TRM_RFF_V02</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-RFF_V02 from qFSP-V0 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/T_TRM_RFF_V03</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-RFF_V03 from qFSP-V0 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/T_TRM_RFF_V04</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-RFF_V04 from qFSP-V0 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/T_TRM_AAF_V01</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-AAF_V01 from qFSP-V0 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/T_TRM_AAF_V02</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-AAF_V02 from qFSP-V0 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/T_TRM_AAF_V03</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>

<b>Description:</b> T_TRM-AAF_V03 from qFSP-V0 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/T_TRM_AAF_V04</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> T_TRM-AAF_V04 from qFSP-V0 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/T_TRM_FRAP3</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> T_TRM-FRAP3 from qFSP-V0 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/T_TRM_FRAP4</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> T_TRM-FRAP4 from qFSP-V0 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/T_QFSP_V5_V0</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> T_QFSP-V5_V0 from qFSP-V0 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/T_QFSP_CR1_V0</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> T_QFSP-CR1_V0 from qFSP-V0 DRT header		
units		Ohms
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/T_QFSP_CR2_V0</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> T_QFSP-CR2_V0 from qFSP-V0 DRT header		
units		Ohms
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/T_TRM_CRC_V01</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> T_TRM-CRC_V01 from qFSP-V0 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/T_TRM_CRC_V02</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> T_TRM-CRC_V02 from qFSP-V0 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/T_TRM_CRC_V03</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> T_TRM-CRC_V03 from qFSP-V0 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/T_TRM_CRC_V04</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> T_TRM-CRC_V04 from qFSP-V0 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/T_TRM_HPA_V01</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> T_TRM-HPA_V01 from qFSP-V0 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/T_TRM_HPA_V02</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> T_TRM-HPA_V02 from qFSP-V0 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/T_TRM_HPA_V03</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> T_TRM-HPA_V03 from qFSP-V0 DRT header		



	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/T_TRM_HPA_V04</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-HPA_V04 from qFSP-V0 DRT header</b>		
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/V_PG_TRM_V01</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-PG_TRM_V01 from qFSP-V0 DRT header</b>		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/V_PG_TRM_V02</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-PG_TRM_V02 from qFSP-V0 DRT header</b>		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/V_PG_TRM_V03</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-PG_TRM_V03 from qFSP-V0 DRT header</b>		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/V_PG_TRM_V04</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-PG_TRM_V04 from qFSP-V0 DRT header</b>		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/V_50V_PG_TRM_V01</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-50V-PG_TRM_V01 from qFSP-V0 DRT header</b>		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/V_50V_PG_TRM_V02</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-50V-PG_TRM_V02 from qFSP-V0 DRT header</b>		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/V_50V_PG_TRM_V03</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-50V-PG_TRM_V03 from qFSP-V0 DRT header</b>		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/V_50V_PG_TRM_V04</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-50V-PG_TRM_V04 from qFSP-V0 DRT header</b>		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/V_3P3_QFSP_V0</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-3P3_QFSP_V0 from qFSP-V0 DRT header</b>		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/V_2P5_QFSP_V0</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-2P5_QFSP_V0 from qFSP-V0 DRT header</b>		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/V_1P0_QFSP_V0</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-1P0_QFSP_V0 from qFSP-V0 DRT header</b>		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/V_1P2_QFSP_MGT_V0</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-1P2_QFSP-MGT_V0 from qFSP-V0 DRT header</b>		
	units	volts

<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/V_1P0_QFSP_MGT_V0</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: V-1P0_QFSP-MGT_V0 from qFSP-V0 DRT header</b>		
units	volts	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/V_1P5_QFSP_V0</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: V-1P5_QFSP_V0 from qFSP-V0 DRT header</b>		
units	volts	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/V_3P3_QFSP_CD1_V0</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: V-3P3_QFSP-CD1_V0 from qFSP-V0 DRT header</b>		
units	volts	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/V_GND_QFSP_V0</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: V-GND_QFSP_V0 from qFSP-V0 DRT header</b>		
units	volts	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/T_QFSP_ADC_V01</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_QFSP-ADC_V01 from qFSP-V0 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/T_QFSP_ADC_V02</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_QFSP-ADC_V02 from qFSP-V0 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/T_QFSP_ADC_V03</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_QFSP-ADC_V03 from qFSP-V0 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V0/T_QFSP_ADC_V04</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_QFSP-ADC_V04 from qFSP-V0 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/CP_RD_H1</b>		
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_RD_H1 from qFSP-H1 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/CP_BCAL_DELAY_H05</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_BCAL-DELAY_H05 from qFSP-H1 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/CP_BCAL_DELAY_H06</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_BCAL-DELAY_H06 from qFSP-H1 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/CP_BCAL_DELAY_H07</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_BCAL-DELAY_H07 from qFSP-H1 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/CP_BCAL_DELAY_H08</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_BCAL-DELAY_H08 from qFSP-H1 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/VER_QFSP_V5_H1</b>		

<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: VER_QFSP-V5_H1 from qFSP-H1 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/CP_WD_H05</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_WD_H05 from qFSP-H1 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/CP_WD_H06</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_WD_H06 from qFSP-H1 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/CP_WD_H07</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_WD_H07 from qFSP-H1 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/CP_WD_H08</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_WD_H08 from qFSP-H1 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/CP_WL_H05</b>	
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_WL_H05 from qFSP-H1 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/CP_WL_H06</b>	
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_WL_H06 from qFSP-H1 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/CP_WL_H07</b>	
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_WL_H07 from qFSP-H1 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/CP_WL_H08</b>	
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_WL_H08 from qFSP-H1 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/CP_AOFS_H05</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_AOFS_H05 from qFSP-H1 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/CP_AOFS_H06</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_AOFS_H06 from qFSP-H1 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/CP_AOFS_H07</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_AOFS_H07 from qFSP-H1 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/CP_AOFS_H08</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_AOFS_H08 from qFSP-H1 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/CP_TXPHASE_H05</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>

<b>Description:</b> CP_TXPHASE_H05 from qFSP-H1 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/CP_TXPHASE_H06</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_TXPHASE_H06 from qFSP-H1 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/CP_TXPHASE_H07</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_TXPHASE_H07 from qFSP-H1 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/CP_TXPHASE_H08</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_TXPHASE_H08 from qFSP-H1 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/CP_RX_ATTENUATOR_H05</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_RX-ATTENUATOR_H05 from qFSP-H1 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/CP_RX_ATTENUATOR_H06</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_RX-ATTENUATOR_H06 from qFSP-H1 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/CP_RX_ATTENUATOR_H07</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_RX-ATTENUATOR_H07 from qFSP-H1 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/CP_RX_ATTENUATOR_H08</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_RX-ATTENUATOR_H08 from qFSP-H1 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/P_QFSP_ADC_H05</b>		
<b>Type: UInt32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> P_QFSP-ADC_H05 from qFSP-H1 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/P_QFSP_ADC_H06</b>		
<b>Type: UInt32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> P_QFSP-ADC_H06 from qFSP-H1 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/P_QFSP_ADC_H07</b>		
<b>Type: UInt32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> P_QFSP-ADC_H07 from qFSP-H1 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/P_QFSP_ADC_H08</b>		
<b>Type: UInt32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> P_QFSP-ADC_H08 from qFSP-H1 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/VER_QFSP_PA_H1</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> VER_QFSP-PA_H1 from qFSP-H1 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/ST_QFSP_TX_INHIBIT_H1</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> ST_QFSP-TX-INHIBIT_H1 from qFSP-H1 DRT header		

	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/ST_QFSP_FDONE_H1</b>		
<b>Type:</b>	UByte	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	ST_QFSP-FDONE_H1 from qFSP-H1 DRT header	
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/T_TRM_RFF_H05</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	T_TRM-RFF_H05 from qFSP-H1 DRT header	
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/T_TRM_RFF_H06</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	T_TRM-RFF_H06 from qFSP-H1 DRT header	
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/T_TRM_RFF_H07</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	T_TRM-RFF_H07 from qFSP-H1 DRT header	
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/T_TRM_RFF_H08</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	T_TRM-RFF_H08 from qFSP-H1 DRT header	
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/T_TRM_AAF_H05</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	T_TRM-AAF_H05 from qFSP-H1 DRT header	
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/T_TRM_AAF_H06</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	T_TRM-AAF_H06 from qFSP-H1 DRT header	
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/T_TRM_AAF_H07</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	T_TRM-AAF_H07 from qFSP-H1 DRT header	
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/T_TRM_AAF_H08</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	T_TRM-AAF_H08 from qFSP-H1 DRT header	
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/T_TRM_FRAP3</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	T_TRM-FRAP3 from qFSP-H1 DRT header	
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/T_TRM_FRAP4</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	T_TRM-FRAP4 from qFSP-H1 DRT header	
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/T_QFSP_V5_H1</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	T_QFSP-V5_H1 from qFSP-H1 DRT header	
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/T_QFSP_CR1_H1</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	T_QFSP-CR1_H1 from qFSP-H1 DRT header	
	units	Ohms

<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/T_QFSP_CR2_H1</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_QFSP-CR2_H1 from qFSP-H1 DRT header</b>		
units	Ohms	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/T_TRM_CRC_H05</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-CRC_H05 from qFSP-H1 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/T_TRM_CRC_H06</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-CRC_H06 from qFSP-H1 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/T_TRM_CRC_H07</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-CRC_H07 from qFSP-H1 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/T_TRM_CRC_H08</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-CRC_H08 from qFSP-H1 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/T_TRM_HPA_H05</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-HPA_H05 from qFSP-H1 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/T_TRM_HPA_H06</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-HPA_H06 from qFSP-H1 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/T_TRM_HPA_H07</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-HPA_H07 from qFSP-H1 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/T_TRM_HPA_H08</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-HPA_H08 from qFSP-H1 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/V_PG_TRM_H05</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: V-PG_TRM_H05 from qFSP-H1 DRT header</b>		
units	volts	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/V_PG_TRM_H06</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: V-PG_TRM_H06 from qFSP-H1 DRT header</b>		
units	volts	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/V_PG_TRM_H07</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: V-PG_TRM_H07 from qFSP-H1 DRT header</b>		
units	volts	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/V_PG_TRM_H08</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: V-PG_TRM_H08 from qFSP-H1 DRT header</b>		
units	volts	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/V_50V_PG_TRM_H05</b>		

<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: V-50V-PG_TRM_H05 from qFSP-H1 DRT header</b>	
units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/V_50V_PG_TRM_H06</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: V-50V-PG_TRM_H06 from qFSP-H1 DRT header</b>	
units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/V_50V_PG_TRM_H07</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: V-50V-PG_TRM_H07 from qFSP-H1 DRT header</b>	
units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/V_50V_PG_TRM_H08</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: V-50V-PG_TRM_H08 from qFSP-H1 DRT header</b>	
units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/V_3P3_QFSP_H1</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: V-3P3_QFSP_H1 from qFSP-H1 DRT header</b>	
units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/V_2P5_QFSP_H1</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: V-2P5_QFSP_H1 from qFSP-H1 DRT header</b>	
units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/V_1P0_QFSP_H1</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: V-1P0_QFSP_H1 from qFSP-H1 DRT header</b>	
units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/V_1P2_QFSP_MGT_H1</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: V-1P2_QFSP-MGT_H1 from qFSP-H1 DRT header</b>	
units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/V_1P0_QFSP_MGT_H1</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: V-1P0_QFSP-MGT_H1 from qFSP-H1 DRT header</b>	
units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/V_1P5_QFSP_H1</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: V-1P5_QFSP_H1 from qFSP-H1 DRT header</b>	
units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/V_3P3_QFSP_CD1_H1</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: V-3P3_QFSP-CD1_H1 from qFSP-H1 DRT header</b>	
units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/V_GND_QFSP_H1</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: V-GND_QFSP_H1 from qFSP-H1 DRT header</b>	
units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/T_QFSP_ADC_H05</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_QFSP-ADC_H05 from qFSP-H1 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/T_QFSP_ADC_H06</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>

<b>Description:</b> T_QFSP-ADC_H06 from qFSP-H1 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/T_QFSP_ADC_H07</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> T_QFSP-ADC_H07 from qFSP-H1 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H1/T_QFSP_ADC_H08</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> T_QFSP-ADC_H08 from qFSP-H1 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/CP_RD_V1</b>		
<b>Type:</b> UInt32		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> CP_RD_V1 from qFSP-V1 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/CP_BCAL_DELAY_V05</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> CP_BCAL-DELAY_V05 from qFSP-V1 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/CP_BCAL_DELAY_V06</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> CP_BCAL-DELAY_V06 from qFSP-V1 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/CP_BCAL_DELAY_V07</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> CP_BCAL-DELAY_V07 from qFSP-V1 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/CP_BCAL_DELAY_V08</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> CP_BCAL-DELAY_V08 from qFSP-V1 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/VER_QFSP_V5_V1</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> VER_QFSP-V5_V1 from qFSP-V1 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/CP_WD_V05</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> CP_WD_V05 from qFSP-V1 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/CP_WD_V06</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> CP_WD_V06 from qFSP-V1 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/CP_WD_V07</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> CP_WD_V07 from qFSP-V1 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/CP_WD_V08</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> CP_WD_V08 from qFSP-V1 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/CP_WL_V05</b>		
<b>Type:</b> UInt32		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> CP_WL_V05 from qFSP-V1 DRT header		



	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/CP_WL_V06</b>		
<b>Type:</b>	UInt32	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> CP_WL_V06 from qFSP-V1 DRT header		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/CP_WL_V07</b>		
<b>Type:</b>	UInt32	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> CP_WL_V07 from qFSP-V1 DRT header		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/CP_WL_V08</b>		
<b>Type:</b>	UInt32	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> CP_WL_V08 from qFSP-V1 DRT header		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/CP_AOFS_V05</b>		
<b>Type:</b>	UByte	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> CP_AOFS_V05 from qFSP-V1 DRT header		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/CP_AOFS_V06</b>		
<b>Type:</b>	UByte	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> CP_AOFS_V06 from qFSP-V1 DRT header		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/CP_AOFS_V07</b>		
<b>Type:</b>	UByte	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> CP_AOFS_V07 from qFSP-V1 DRT header		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/CP_AOFS_V08</b>		
<b>Type:</b>	UByte	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> CP_AOFS_V08 from qFSP-V1 DRT header		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/CP_TXPHASE_V05</b>		
<b>Type:</b>	UByte	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> CP_TXPHASE_V05 from qFSP-V1 DRT header		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/CP_TXPHASE_V06</b>		
<b>Type:</b>	UByte	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> CP_TXPHASE_V06 from qFSP-V1 DRT header		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/CP_TXPHASE_V07</b>		
<b>Type:</b>	UByte	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> CP_TXPHASE_V07 from qFSP-V1 DRT header		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/CP_TXPHASE_V08</b>		
<b>Type:</b>	UByte	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> CP_TXPHASE_V08 from qFSP-V1 DRT header		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/CP_RX_ATTENUATOR_V05</b>		
<b>Type:</b>	UByte	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> CP_RX-ATTENUATOR_V05 from qFSP-V1 DRT header		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/CP_RX_ATTENUATOR_V06</b>		
<b>Type:</b>	UByte	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> CP_RX-ATTENUATOR_V06 from qFSP-V1 DRT header		
	units	unitless

<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/CP_RX_ATTENUATOR_V07</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_RX-ATTENUATOR_V07 from qFSP-V1 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/CP_RX_ATTENUATOR_V08</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_RX-ATTENUATOR_V08 from qFSP-V1 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/P_QFSP_ADC_V05</b>		
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: P_QFSP-ADC_V05 from qFSP-V1 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/P_QFSP_ADC_V06</b>		
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: P_QFSP-ADC_V06 from qFSP-V1 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/P_QFSP_ADC_V07</b>		
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: P_QFSP-ADC_V07 from qFSP-V1 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/P_QFSP_ADC_V08</b>		
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: P_QFSP-ADC_V08 from qFSP-V1 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/VER_QFSP_PA_V1</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: VER_QFSP-PA_V1 from qFSP-V1 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/ST_QFSP_TX_INHIBIT_V1</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: ST_QFSP-TX-INHIBIT_V1 from qFSP-V1 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/ST_QFSP_FDONE_V1</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: ST_QFSP-FDONE_V1 from qFSP-V1 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/T_TRM_RFF_V05</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-RFF_V05 from qFSP-V1 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/T_TRM_RFF_V06</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-RFF_V06 from qFSP-V1 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/T_TRM_RFF_V07</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-RFF_V07 from qFSP-V1 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/T_TRM_RFF_V08</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-RFF_V08 from qFSP-V1 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/T_TRM_AAF_V05</b>		

<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-AAF_V05 from qFSP-V1 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/T_TRM_AAF_V06</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-AAF_V06 from qFSP-V1 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/T_TRM_AAF_V07</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-AAF_V07 from qFSP-V1 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/T_TRM_AAF_V08</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-AAF_V08 from qFSP-V1 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/T_TRM_FRAP3</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-FRAP3 from qFSP-V1 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/T_TRM_FRAP4</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-FRAP4 from qFSP-V1 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/T_QFSP_V5_V1</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_QFSP-V5_V1 from qFSP-V1 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/T_QFSP_CR1_V1</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_QFSP-CR1_V1 from qFSP-V1 DRT header</b>	
units	Ohms
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/T_QFSP_CR2_V1</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_QFSP-CR2_V1 from qFSP-V1 DRT header</b>	
units	Ohms
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/T_TRM_CRC_V05</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-CRC_V05 from qFSP-V1 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/T_TRM_CRC_V06</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-CRC_V06 from qFSP-V1 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/T_TRM_CRC_V07</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-CRC_V07 from qFSP-V1 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/T_TRM_CRC_V08</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-CRC_V08 from qFSP-V1 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/T_TRM_HPA_V05</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>

<b>Description:</b> T_TRM-HPA_V05 from qFSP-V1 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/T_TRM_HPA_V06</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> T_TRM-HPA_V06 from qFSP-V1 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/T_TRM_HPA_V07</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> T_TRM-HPA_V07 from qFSP-V1 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/T_TRM_HPA_V08</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> T_TRM-HPA_V08 from qFSP-V1 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/V_PG_TRM_V05</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-PG_TRM_V05 from qFSP-V1 DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/V_PG_TRM_V06</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-PG_TRM_V06 from qFSP-V1 DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/V_PG_TRM_V07</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-PG_TRM_V07 from qFSP-V1 DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/V_PG_TRM_V08</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-PG_TRM_V08 from qFSP-V1 DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/V_50V_PG_TRM_V05</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-50V-PG_TRM_V05 from qFSP-V1 DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/V_50V_PG_TRM_V06</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-50V-PG_TRM_V06 from qFSP-V1 DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/V_50V_PG_TRM_V07</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-50V-PG_TRM_V07 from qFSP-V1 DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/V_50V_PG_TRM_V08</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-50V-PG_TRM_V08 from qFSP-V1 DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/V_3P3_QFSP_V1</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-3P3_QFSP_V1 from qFSP-V1 DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/V_2P5_QFSP_V1</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-2P5_QFSP_V1 from qFSP-V1 DRT header		

	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/V_1P0_QFSP_V1</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-1P0_QFSP_V1 from qFSP-V1 DRT header</b>		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/V_1P2_QFSP_MGT_V1</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-1P2_QFSP-MGT_V1 from qFSP-V1 DRT header</b>		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/V_1P0_QFSP_MGT_V1</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-1P0_QFSP-MGT_V1 from qFSP-V1 DRT header</b>		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/V_1P5_QFSP_V1</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-1P5_QFSP_V1 from qFSP-V1 DRT header</b>		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/V_3P3_QFSP_CD1_V1</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-3P3_QFSP-CD1_V1 from qFSP-V1 DRT header</b>		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/V_GND_QFSP_V1</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-GND_QFSP_V1 from qFSP-V1 DRT header</b>		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/T_QFSP_ADC_V05</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: T_QFSP-ADC_V05 from qFSP-V1 DRT header</b>		
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/T_QFSP_ADC_V06</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: T_QFSP-ADC_V06 from qFSP-V1 DRT header</b>		
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/T_QFSP_ADC_V07</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: T_QFSP-ADC_V07 from qFSP-V1 DRT header</b>		
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V1/T_QFSP_ADC_V08</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: T_QFSP-ADC_V08 from qFSP-V1 DRT header</b>		
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/CP_RD_H2</b>		
<b>Type: UInt32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_RD_H2 from qFSP-H2 DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/CP_BCAL_DELAY_H09</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_BCAL-DELAY_H09 from qFSP-H2 DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/CP_BCAL_DELAY_H10</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_BCAL-DELAY_H10 from qFSP-H2 DRT header</b>		
	units	unitless

<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/CP_BCAL_DELAY_H11</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_BCAL-DELAY_H11 from qFSP-H2 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/CP_BCAL_DELAY_H12</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_BCAL-DELAY_H12 from qFSP-H2 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/VER_QFSP_V5_H2</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: VER_QFSP-V5_H2 from qFSP-H2 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/CP_WD_H09</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_WD_H09 from qFSP-H2 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/CP_WD_H10</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_WD_H10 from qFSP-H2 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/CP_WD_H11</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_WD_H11 from qFSP-H2 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/CP_WD_H12</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_WD_H12 from qFSP-H2 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/CP_WL_H09</b>		
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_WL_H09 from qFSP-H2 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/CP_WL_H10</b>		
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_WL_H10 from qFSP-H2 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/CP_WL_H11</b>		
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_WL_H11 from qFSP-H2 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/CP_WL_H12</b>		
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_WL_H12 from qFSP-H2 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/CP_AOFS_H09</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_AOFS_H09 from qFSP-H2 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/CP_AOFS_H10</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_AOFS_H10 from qFSP-H2 DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/CP_AOFS_H11</b>		

<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_AOFS_H11 from qFSP-H2 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/CP_AOFS_H12</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_AOFS_H12 from qFSP-H2 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/CP_TXPHASE_H09</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_TXPHASE_H09 from qFSP-H2 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/CP_TXPHASE_H10</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_TXPHASE_H10 from qFSP-H2 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/CP_TXPHASE_H11</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_TXPHASE_H11 from qFSP-H2 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/CP_TXPHASE_H12</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_TXPHASE_H12 from qFSP-H2 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/CP_RX_ATTENUATOR_H09</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_RX-ATTENUATOR_H09 from qFSP-H2 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/CP_RX_ATTENUATOR_H10</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_RX-ATTENUATOR_H10 from qFSP-H2 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/CP_RX_ATTENUATOR_H11</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_RX-ATTENUATOR_H11 from qFSP-H2 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/CP_RX_ATTENUATOR_H12</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_RX-ATTENUATOR_H12 from qFSP-H2 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/P_QFSP_ADC_H09</b>	
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: P_QFSP-ADC_H09 from qFSP-H2 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/P_QFSP_ADC_H10</b>	
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: P_QFSP-ADC_H10 from qFSP-H2 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/P_QFSP_ADC_H11</b>	
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: P_QFSP-ADC_H11 from qFSP-H2 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/P_QFSP_ADC_H12</b>	
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>

<b>Description:</b> P_QFSP-ADC_H12 from qFSP-H2 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/VER_QFSP_PA_H2</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> VER_QFSP-PA_H2 from qFSP-H2 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/ST_QFSP_TX_INHIBIT_H2</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> ST_QFSP-TX-INHIBIT_H2 from qFSP-H2 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/ST_QFSP_FDONE_H2</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> ST_QFSP-FDONE_H2 from qFSP-H2 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/T_TRM_RFF_H09</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> T_TRM-RFF_H09 from qFSP-H2 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/T_TRM_RFF_H10</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> T_TRM-RFF_H10 from qFSP-H2 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/T_TRM_RFF_H11</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> T_TRM-RFF_H11 from qFSP-H2 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/T_TRM_RFF_H12</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> T_TRM-RFF_H12 from qFSP-H2 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/T_TRM_AAF_H09</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> T_TRM-AAF_H09 from qFSP-H2 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/T_TRM_AAF_H10</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> T_TRM-AAF_H10 from qFSP-H2 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/T_TRM_AAF_H11</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> T_TRM-AAF_H11 from qFSP-H2 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/T_TRM_AAF_H12</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> T_TRM-AAF_H12 from qFSP-H2 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/T_TRM_FRAP3</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> T_TRM-FRAP3 from qFSP-H2 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/T_TRM_FRAP4</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> T_TRM-FRAP4 from qFSP-H2 DRT header		



	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/T_QFSP_V5_H2</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: T_QFSP-V5_H2 from qFSP-H2 DRT header</b>		
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/T_QFSP_CR1_H2</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: T_QFSP-CR1_H2 from qFSP-H2 DRT header</b>		
	units	Ohms
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/T_QFSP_CR2_H2</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: T_QFSP-CR2_H2 from qFSP-H2 DRT header</b>		
	units	Ohms
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/T_TRM_CRC_H09</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-CRC_H09 from qFSP-H2 DRT header</b>		
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/T_TRM_CRC_H10</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-CRC_H10 from qFSP-H2 DRT header</b>		
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/T_TRM_CRC_H11</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-CRC_H11 from qFSP-H2 DRT header</b>		
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/T_TRM_CRC_H12</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-CRC_H12 from qFSP-H2 DRT header</b>		
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/T_TRM_HPA_H09</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-HPA_H09 from qFSP-H2 DRT header</b>		
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/T_TRM_HPA_H10</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-HPA_H10 from qFSP-H2 DRT header</b>		
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/T_TRM_HPA_H11</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-HPA_H11 from qFSP-H2 DRT header</b>		
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/T_TRM_HPA_H12</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-HPA_H12 from qFSP-H2 DRT header</b>		
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/V_PG_TRM_H09</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-PG_TRM_H09 from qFSP-H2 DRT header</b>		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/V_PG_TRM_H10</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-PG_TRM_H10 from qFSP-H2 DRT header</b>		
	units	volts

<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/V_PG_TRM_H11</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-PG_TRM_H11 from qFSP-H2 DRT header</b>		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/V_PG_TRM_H12</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-PG_TRM_H12 from qFSP-H2 DRT header</b>		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/V_50V_PG_TRM_H09</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-50V-PG_TRM_H09 from qFSP-H2 DRT header</b>		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/V_50V_PG_TRM_H10</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-50V-PG_TRM_H10 from qFSP-H2 DRT header</b>		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/V_50V_PG_TRM_H11</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-50V-PG_TRM_H11 from qFSP-H2 DRT header</b>		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/V_50V_PG_TRM_H12</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-50V-PG_TRM_H12 from qFSP-H2 DRT header</b>		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/V_3P3_QFSP_H2</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-3P3_QFSP_H2 from qFSP-H2 DRT header</b>		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/V_2P5_QFSP_H2</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-2P5_QFSP_H2 from qFSP-H2 DRT header</b>		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/V_1P0_QFSP_H2</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-1P0_QFSP_H2 from qFSP-H2 DRT header</b>		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/V_1P2_QFSP_MGT_H2</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-1P2_QFSP-MGT_H2 from qFSP-H2 DRT header</b>		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/V_1P0_QFSP_MGT_H2</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-1P0_QFSP-MGT_H2 from qFSP-H2 DRT header</b>		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/V_1P5_QFSP_H2</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-1P5_QFSP_H2 from qFSP-H2 DRT header</b>		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/V_3P3_QFSP_CD1_H2</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-3P3_QFSP-CD1_H2 from qFSP-H2 DRT header</b>		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/V_GND_QFSP_H2</b>		

<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: V-GND_QFSP_H2 from qFSP-H2 DRT header</b>	
units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/T_QFSP_ADC_H09</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_QFSP-ADC_H09 from qFSP-H2 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/T_QFSP_ADC_H10</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_QFSP-ADC_H10 from qFSP-H2 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/T_QFSP_ADC_H11</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_QFSP-ADC_H11 from qFSP-H2 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_H2/T_QFSP_ADC_H12</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_QFSP-ADC_H12 from qFSP-H2 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/CP_RD_V2</b>	
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_RD_V2 from qFSP-V2 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/CP_BCAL_DELAY_V09</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_BCAL-DELAY_V09 from qFSP-V2 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/CP_BCAL_DELAY_V10</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_BCAL-DELAY_V10 from qFSP-V2 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/CP_BCAL_DELAY_V11</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_BCAL-DELAY_V11 from qFSP-V2 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/CP_BCAL_DELAY_V12</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_BCAL-DELAY_V12 from qFSP-V2 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/VER_QFSP_V5_V2</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: VER_QFSP-V5_V2 from qFSP-V2 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/CP_WD_V09</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_WD_V09 from qFSP-V2 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/CP_WD_V10</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_WD_V10 from qFSP-V2 DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/CP_WD_V11</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>

<b>Description:</b> CP_WD_V11 from qFSP-V2 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/CP_WD_V12</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_WD_V12 from qFSP-V2 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/CP_WL_V09</b>		
<b>Type: UInt32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_WL_V09 from qFSP-V2 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/CP_WL_V10</b>		
<b>Type: UInt32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_WL_V10 from qFSP-V2 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/CP_WL_V11</b>		
<b>Type: UInt32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_WL_V11 from qFSP-V2 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/CP_WL_V12</b>		
<b>Type: UInt32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_WL_V12 from qFSP-V2 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/CP_AOFS_V09</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_AOFS_V09 from qFSP-V2 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/CP_AOFS_V10</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_AOFS_V10 from qFSP-V2 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/CP_AOFS_V11</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_AOFS_V11 from qFSP-V2 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/CP_AOFS_V12</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_AOFS_V12 from qFSP-V2 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/CP_TXPHASE_V09</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_TXPHASE_V09 from qFSP-V2 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/CP_TXPHASE_V10</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_TXPHASE_V10 from qFSP-V2 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/CP_TXPHASE_V11</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_TXPHASE_V11 from qFSP-V2 DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/CP_TXPHASE_V12</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_TXPHASE_V12 from qFSP-V2 DRT header		

	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/CP_RX_ATTENUATOR_V09</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_RX-ATTENUATOR_V09 from qFSP-V2 DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/CP_RX_ATTENUATOR_V10</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_RX-ATTENUATOR_V10 from qFSP-V2 DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/CP_RX_ATTENUATOR_V11</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_RX-ATTENUATOR_V11 from qFSP-V2 DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/CP_RX_ATTENUATOR_V12</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_RX-ATTENUATOR_V12 from qFSP-V2 DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/P_QFSP_ADC_V09</b>		
<b>Type: UInt32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: P_QFSP-ADC_V09 from qFSP-V2 DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/P_QFSP_ADC_V10</b>		
<b>Type: UInt32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: P_QFSP-ADC_V10 from qFSP-V2 DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/P_QFSP_ADC_V11</b>		
<b>Type: UInt32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: P_QFSP-ADC_V11 from qFSP-V2 DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/P_QFSP_ADC_V12</b>		
<b>Type: UInt32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: P_QFSP-ADC_V12 from qFSP-V2 DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/VER_QFSP_PA_V2</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: VER_QFSP-PA_V2 from qFSP-V2 DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/ST_QFSP_TX_INHIBIT_V2</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: ST_QFSP-TX-INHIBIT_V2 from qFSP-V2 DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/ST_QFSP_FDONE_V2</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: ST_QFSP-FDONE_V2 from qFSP-V2 DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/T_TRM_RFF_V09</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-RFF_V09 from qFSP-V2 DRT header</b>		
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/T_TRM_RFF_V10</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-RFF_V10 from qFSP-V2 DRT header</b>		
	units	Celsius

<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/T_TRM_RFF_V11</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-RFF_V11 from qFSP-V2 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/T_TRM_RFF_V12</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-RFF_V12 from qFSP-V2 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/T_TRM_AAF_V09</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-AAF_V09 from qFSP-V2 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/T_TRM_AAF_V10</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-AAF_V10 from qFSP-V2 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/T_TRM_AAF_V11</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-AAF_V11 from qFSP-V2 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/T_TRM_AAF_V12</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-AAF_V12 from qFSP-V2 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/T_TRM_FRAP3</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-FRAP3 from qFSP-V2 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/T_TRM_FRAP4</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-FRAP4 from qFSP-V2 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/T_QFSP_V5_V2</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_QFSP-V5_V2 from qFSP-V2 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/T_QFSP_CR1_V2</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_QFSP-CR1_V2 from qFSP-V2 DRT header</b>		
units	Ohms	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/T_QFSP_CR2_V2</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_QFSP-CR2_V2 from qFSP-V2 DRT header</b>		
units	Ohms	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/T_TRM_CRC_V09</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-CRC_V09 from qFSP-V2 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/T_TRM_CRC_V10</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_TRM-CRC_V10 from qFSP-V2 DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/T_TRM_CRC_V11</b>		

<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-CRC_V11 from qFSP-V2 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/T_TRM_CRC_V12</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-CRC_V12 from qFSP-V2 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/T_TRM_HPA_V09</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-HPA_V09 from qFSP-V2 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/T_TRM_HPA_V10</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-HPA_V10 from qFSP-V2 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/T_TRM_HPA_V11</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-HPA_V11 from qFSP-V2 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/T_TRM_HPA_V12</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_TRM-HPA_V12 from qFSP-V2 DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/V_PG_TRM_V09</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: V-PG_TRM_V09 from qFSP-V2 DRT header</b>	
units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/V_PG_TRM_V10</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: V-PG_TRM_V10 from qFSP-V2 DRT header</b>	
units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/V_PG_TRM_V11</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: V-PG_TRM_V11 from qFSP-V2 DRT header</b>	
units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/V_PG_TRM_V12</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: V-PG_TRM_V12 from qFSP-V2 DRT header</b>	
units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/V_50V_PG_TRM_V09</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: V-50V-PG_TRM_V09 from qFSP-V2 DRT header</b>	
units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/V_50V_PG_TRM_V10</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: V-50V-PG_TRM_V10 from qFSP-V2 DRT header</b>	
units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/V_50V_PG_TRM_V11</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: V-50V-PG_TRM_V11 from qFSP-V2 DRT header</b>	
units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/V_50V_PG_TRM_V12</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>

<b>Description:</b> V-50V-PG_TRM_V12 from qFSP-V2 DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/V_3P3_QFSP_V2</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-3P3_QFSP_V2 from qFSP-V2 DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/V_2P5_QFSP_V2</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-2P5_QFSP_V2 from qFSP-V2 DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/V_1P0_QFSP_V2</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-1P0_QFSP_V2 from qFSP-V2 DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/V_1P2_QFSP_MGT_V2</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-1P2_QFSP-MGT_V2 from qFSP-V2 DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/V_1P0_QFSP_MGT_V2</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-1P0_QFSP-MGT_V2 from qFSP-V2 DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/V_1P5_QFSP_V2</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-1P5_QFSP_V2 from qFSP-V2 DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/V_3P3_QFSP_CD1_V2</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-3P3_QFSP-CD1_V2 from qFSP-V2 DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/V_GND_QFSP_V2</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-GND_QFSP_V2 from qFSP-V2 DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/T_QFSP_ADC_V09</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> T_QFSP-ADC_V09 from qFSP-V2 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/T_QFSP_ADC_V10</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> T_QFSP-ADC_V10 from qFSP-V2 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/T_QFSP_ADC_V11</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> T_QFSP-ADC_V11 from qFSP-V2 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/QFSP_V2/T_QFSP_ADC_V12</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> T_QFSP-ADC_V12 from qFSP-V2 DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/DT_YEAR_SSP_DBF_H</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> DT-YEAR_SSP-DBF_H from SSP-H DRT header		



	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/DT_MONTH_SSP_DBF_H</b>		
<b>Type:</b>	<b>UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> DT-MONTH_SSP-DBF_H from SSP-H DRT header		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/DT_DAY_SSP_DBF_H</b>		
<b>Type:</b>	<b>UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> DT-DAY_SSP-DBF_H from SSP-H DRT header		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/VER_SSP_DBF_H</b>		
<b>Type:</b>	<b>UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> VER_SSP-DBF_H from SSP-H DRT header		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/CP_GAP_MITIGATION_H</b>		
<b>Type:</b>	<b>UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_GAP-MITIGATION_H from SSP-H DRT header		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/CP_QFSP_ENABLED_H</b>		
<b>Type:</b>	<b>UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_QFSP-ENABLED_H from SSP-H DRT header		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/CP_BFPQ_BYPASS_H</b>		
<b>Type:</b>	<b>UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_BFPQ-BYPASS_H from SSP-H DRT header		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/CP_FILTER_BYPASS_H</b>		
<b>Type:</b>	<b>UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_FILTER-BYPASS_H from SSP-H DRT header		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/CP_ADC1_ENABLE_H</b>		
<b>Type:</b>	<b>UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_ADC1-ENABLE_H from SSP-H DRT header		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/CP_ADC0_ENABLE_H</b>		
<b>Type:</b>	<b>UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_ADC0-ENABLE_H from SSP-H DRT header		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/CP_SRST_SSP_BFPQ_H</b>		
<b>Type:</b>	<b>UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_SRST-SSP-BFPQ_H from SSP-H DRT header		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/CP_MRST_SSP_BFPQ_H</b>		
<b>Type:</b>	<b>UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_MRST-SSP-BFPQ_H from SSP-H DRT header		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/CP_SRST_SSP_DBF_H</b>		
<b>Type:</b>	<b>UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_SRST-SSP-DBF_H from SSP-H DRT header		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/CP_MRST_SSP_DBF_H</b>		
<b>Type:</b>	<b>UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_MRST-SSP-DBF_H from SSP-H DRT header		
	units	unitless

<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/CP_DT_ENABLED_H</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_DT-ENABLED_H from SSP-H DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/CP_BANDWIDTH_H</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_BANDWIDTH_H from SSP-H DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/CP_F2_START_H</b>		
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_F2-START_H from SSP-H DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/CP_FILTER_IN_BAND_H</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_FILTER-IN-BAND_H from SSP-H DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/CP_DATA_ONLY_H</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_DATA-ONLY_H from SSP-H DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/CP_HEADER_ONLY_H</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_HEADER-ONLY_H from SSP-H DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/CP_IPOL_H</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_IPOL_H from SSP-H DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/CP_MANT_MODE_H</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_MANT-MODE_H from SSP-H DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/CP_F1_LEN_H</b>		
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_F1-LEN_H from SSP-H DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/CP_F2_LEN_H</b>		
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_F2-LEN_H from SSP-H DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/CP_F3_LEN_H</b>		
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_F3-LEN_H from SSP-H DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/CP_F3_START_H</b>		
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_F3-START_H from SSP-H DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/CP_FILTER_PHASE_STEP_A_H</b>		
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_FILTER-PHASE-STEP-A_H from SSP-H DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/CP_FILTER_PHASE_STEP_B_H</b>		

<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_FILTER-PHASE-STEP-B_H from SSP-H DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/CP_UPDATE_PRF_H</b>	
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_UPDATE-PRF_H from SSP-H DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_FILTER_B_FIFO_ERR_H</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: STFILTER-B-FIFO-ERR_H from SSP-H DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_FILTER_A_FIFO_ERR_H</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: STFILTER-A-FIFO-ERR_H from SSP-H DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_F3B_DBF_FIFO_ERR_H</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: STF3B-DBF-FIFO-ERR_H from SSP-H DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_F2B_DBF_FIFO_ERR_H</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: STF2B-DBF-FIFO-ERR_H from SSP-H DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_F1B_DBF_FIFO_ERR_H</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: STF1B-DBF-FIFO-ERR_H from SSP-H DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_F3A_DBF_FIFO_ERR_H</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: STF3A-DBF-FIFO-ERR_H from SSP-H DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_F2A_DBF_FIFO_ERR_H</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: STF2A-DBF-FIFO-ERR_H from SSP-H DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_F1A_DBF_FIFO_ERR_H</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: STF1A-DBF-FIFO-ERR_H from SSP-H DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_CHD_TX_FIFO_ERR_H</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: STCHD-TX-FIFO-ERR_H from SSP-H DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_CHC_TX_FIFO_ERR_H</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: STCHC-TX-FIFO-ERR_H from SSP-H DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_CHB_TX_FIFO_ERR_H</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: STCHB-TX-FIFO-ERR_H from SSP-H DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_CHA_TX_FIFO_ERR_H</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>

<b>Description:</b> STCHA-TX-FIFO-ERR_H from SSP-H DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/T_SSP_FPGA2_H</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> T_SSP-FPGA2_H from SSP-H DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_BFPQ_D_FIFO_ERR_H</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> STBFPQ-D-FIFO-ERR_H from SSP-H DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_BFPQ_C_FIFO_ERR_H</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> STBFPQ-C-FIFO-ERR_H from SSP-H DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_BFPQ_B_FIFO_ERR_H</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> STBFPQ-B-FIFO-ERR_H from SSP-H DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_BFPQ_A_FIFO_ERR_H</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> STBFPQ-A-FIFO-ERR_H from SSP-H DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/T_SSP_FANOUT_H</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> T_SSP-FANOUT_H from SSP-H DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_F3A_HDR_CHKSUM_ERR_H</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> STF3A-HDR-CHKSUM-ERR_H from SSP-H DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_F2A_HDR_CHKSUM_ERR_H</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> STF2A-HDR-CHKSUM-ERR_H from SSP-H DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_F1A_HDR_CHKSUM_ERR_H</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> STF1A-HDR-CHKSUM-ERR_H from SSP-H DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/T_SSP_LVDS_H</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> T_SSP-LVDS_H from SSP-H DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_F3B_HDR_CHKSUM_ERR_H</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> STF3B-HDR-CHKSUM-ERR_H from SSP-H DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_F2B_HDR_CHKSUM_ERR_H</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> STF2B-HDR-CHKSUM-ERR_H from SSP-H DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_F1B_HDR_CHKSUM_ERR_H</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> STF1B-HDR-CHKSUM-ERR_H from SSP-H DRT header		

	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/V_2P5_SSP_REF_H</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> V-2P5_SSP-REF_H from SSP-H DRT header		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/T_SSP_MGT_H</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> T_SSP-MGT_H from SSP-H DRT header		
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/T_SSP_FPGA1_H</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> T_SSP-FPGA1_H from SSP-H DRT header		
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/T_SSP_U1_H</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> T_SSP-U1_H from SSP-H DRT header		
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/T_SSP_U2_H</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> T_SSP-U2_H from SSP-H DRT header		
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/V_1P8_SSP_H</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> V-1P8_SSP_H from SSP-H DRT header		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/V_5P0_SSP_H</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> V-5P0_SSP_H from SSP-H DRT header		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/V_2P5_SSP_H</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> V-2P5_SSP_H from SSP-H DRT header		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/V_1P0_SSP_A_H</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> V-1P0_SSP-A_H from SSP-H DRT header		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/V_1P0_SSP_B_H</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> V-1P0_SSP-B_H from SSP-H DRT header		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/V_3P3_SSP_H</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> V-3P3_SSP_H from SSP-H DRT header		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/V_3P3_SSP_LVDS_H</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> V-3P3_SSP-LVDS_H from SSP-H DRT header		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/V_3P3_SSP_FANOUT_H</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> V-3P3_SSP-FANOUT_H from SSP-H DRT header		
	units	volts

<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_CHD_HDR_FIFO_ERR_H</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: STCHD-HDR-FIFO-ERR_H from SSP-H DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_CHC_HDR_FIFO_ERR_H</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: STCHC-HDR-FIFO-ERR_H from SSP-H DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_CHB_HDR_FIFO_ERR_H</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: STCHB-HDR-FIFO-ERR_H from SSP-H DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_CHA_HDR_FIFO_ERR_H</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: STCHA-HDR-FIFO-ERR_H from SSP-H DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_F3B_PKT_ERR_H</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: STF3B-PKT-ERR_H from SSP-H DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_F2B_PKT_ERR_H</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: STF2B-PKT-ERR_H from SSP-H DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_F1B_PKT_ERR_H</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: STF1B-PKT-ERR_H from SSP-H DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_F3A_PKT_ERR_H</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: STF3A-PKT-ERR_H from SSP-H DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_F2A_PKT_ERR_H</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: STF2A-PKT-ERR_H from SSP-H DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_F1A_PKT_ERR_H</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: STF1A-PKT-ERR_H from SSP-H DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_F3B_MGT_DOWN_H</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: STF3B-MGT-DOWN_H from SSP-H DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_F2B_MGT_DOWN_H</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: STF2B-MGT-DOWN_H from SSP-H DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_F1B_MGT_DOWN_H</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: STF1B-MGT-DOWN_H from SSP-H DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_F3A_MGT_DOWN_H</b>		

<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> STF3A-MGT-DOWN_H from SSP-H DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_F2A_MGT_DOWN_H</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> STF2A-MGT-DOWN_H from SSP-H DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_F1A_MGT_DOWN_H</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> STF1A-MGT-DOWN_H from SSP-H DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/DT_YEAR_SSP_BFPQ_H</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> DT-YEAR_SSP-BFPQ_H from SSP-H DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/DT_MONTH_SSP_BFPQ_H</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> DT-MONTH_SSP-BFPQ_H from SSP-H DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/DT_DAY_SSP_BFPQ_H</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> DT-DAY_SSP-BFPQ_H from SSP-H DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_TLM_MANT_CFG_EN_H</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> STTLM-MANT-CFG-EN_H from SSP-H DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_MANT_CHKSUM_ERR_H</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> STMANT-CHKSUM-ERR_H from SSP-H DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_MANT_CFG_DONE_H</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> STMANT-CFG-DONE_H from SSP-H DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/VER_SSP_BFPQ_H</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> VER_SSP-BFPQ_H from SSP-H DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_FILTER_D_FIFO_ERR_H</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> STFILTER-D-FIFO-ERR_H from SSP-H DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_FILTER_C_FIFO_ERR_H</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> STFILTER-C-FIFO-ERR_H from SSP-H DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_SIF_TX1_FIFO_ERR_H</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> STSIF-TX1-FIFO-ERR_H from SSP-H DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_SIF_TX0_FIFO_ERR_H</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>

<b>Description:</b> STSIF-TX0-FIFO-ERR_H from SSP-H DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_CHD_DATA_FIFO_ERR_H</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> STCHD-DATA-FIFO-ERR_H from SSP-H DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_CHC_DATA_FIFO_ERR_H</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> STCHC-DATA-FIFO-ERR_H from SSP-H DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_CHB_DATA_FIFO_ERR_H</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> STCHB-DATA-FIFO-ERR_H from SSP-H DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_CHA_DATA_FIFO_ERR_H</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> STCHA-DATA-FIFO-ERR_H from SSP-H DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_CHD_MGT_DOWN_H</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> STCHD-MGT-DOWN_H from SSP-H DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_CHC_MGT_DOWN_H</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> STCHC-MGT-DOWN_H from SSP-H DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_CHB_MGT_DOWN_H</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> STCHB-MGT-DOWN_H from SSP-H DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_H/ST_CHA_MGT_DOWN_H</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> STCHA-MGT-DOWN_H from SSP-H DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/DT_YEAR_SSP_DBF_V</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> DT-YEAR_SSP-DBF_V from SSP-V DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/DT_MONTH_SSP_DBF_V</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> DT-MONTH_SSP-DBF_V from SSP-V DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/DT_DAY_SSP_DBF_V</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> DT-DAY_SSP-DBF_V from SSP-V DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/VER_SSP_DBF_V</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> VER_SSP-DBF_V from SSP-V DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/CP_GAP_MITIGATION_V</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> CP_GAP-MITIGATION_V from SSP-V DRT header		



	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/CP_QFSP_ENABLED_V</b>		
<b>Type:</b>	UByte	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	CP_QFSP-ENABLED_V from SSP-V DRT header	
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/CP_BFPQ_BYPASS_V</b>		
<b>Type:</b>	UByte	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	CP_BFPQ-BYPASS_V from SSP-V DRT header	
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/CP_FILTER_BYPASS_V</b>		
<b>Type:</b>	UByte	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	CP_FILTER-BYPASS_V from SSP-V DRT header	
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/CP_ADC1_ENABLE_V</b>		
<b>Type:</b>	UByte	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	CP_ADC1-ENABLE_V from SSP-V DRT header	
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/CP_ADC0_ENABLE_V</b>		
<b>Type:</b>	UByte	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	CP_ADC0-ENABLE_V from SSP-V DRT header	
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/CP_SRST_SSP_BFPQ_V</b>		
<b>Type:</b>	UByte	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	CP_SRST-SSP-BFPQ_V from SSP-V DRT header	
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/CP_MRST_SSP_BFPQ_V</b>		
<b>Type:</b>	UByte	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	CP_MRST-SSP-BFPQ_V from SSP-V DRT header	
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/CP_SRST_SSP_DBF_V</b>		
<b>Type:</b>	UByte	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	CP_SRST-SSP-DBF_V from SSP-V DRT header	
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/CP_MRST_SSP_DBF_V</b>		
<b>Type:</b>	UByte	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	CP_MRST-SSP-DBF_V from SSP-V DRT header	
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/CP_DT_ENABLED_V</b>		
<b>Type:</b>	UByte	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	CP_DT-ENABLED_V from SSP-V DRT header	
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/CP_BANDWIDTH_V</b>		
<b>Type:</b>	UByte	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	CP_BANDWIDTH_V from SSP-V DRT header	
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/CP_F2_START_V</b>		
<b>Type:</b>	UInt32	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	CP_F2-START_V from SSP-V DRT header	
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/CP_FILTER_IN_BAND_V</b>		
<b>Type:</b>	UByte	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	CP_FILTER-IN-BAND_V from SSP-V DRT header	
	units	unitless

<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/CP_DATA_ONLY_V</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_DATA-ONLY_V from SSP-V DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/CP_HEADER_ONLY_V</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_HEADER-ONLY_V from SSP-V DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/CP_IPOL_V</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_IPOL_V from SSP-V DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/CP_MANT_MODE_V</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_MANT-MODE_V from SSP-V DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/CP_F1_LEN_V</b>		
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_F1-LEN_V from SSP-V DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/CP_F2_LEN_V</b>		
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_F2-LEN_V from SSP-V DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/CP_F3_LEN_V</b>		
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_F3-LEN_V from SSP-V DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/CP_F3_START_V</b>		
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_F3-START_V from SSP-V DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/CP_FILTER_PHASE_STEP_A_V</b>		
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_FILTER-PHASE-STEP-A_V from SSP-V DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/CP_FILTER_PHASE_STEP_B_V</b>		
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_FILTER-PHASE-STEP-B_V from SSP-V DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/CP_UPDATE_PRF_V</b>		
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_UPDATE-PRF_V from SSP-V DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_FILTER_B_FIFO_ERR_V</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: STFILTER-B-FIFO-ERR_V from SSP-V DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_FILTER_A_FIFO_ERR_V</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: STFILTER-A-FIFO-ERR_V from SSP-V DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_F3B_DBF_FIFO_ERR_V</b>		

<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> STF3B-DBF-FIFO-ERR_V from SSP-V DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_F2B_DBF_FIFO_ERR_V</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> STF2B-DBF-FIFO-ERR_V from SSP-V DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_F1B_DBF_FIFO_ERR_V</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> STF1B-DBF-FIFO-ERR_V from SSP-V DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_F3A_DBF_FIFO_ERR_V</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> STF3A-DBF-FIFO-ERR_V from SSP-V DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_F2A_DBF_FIFO_ERR_V</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> STF2A-DBF-FIFO-ERR_V from SSP-V DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_F1A_DBF_FIFO_ERR_V</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> STF1A-DBF-FIFO-ERR_V from SSP-V DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_CHD_TX_FIFO_ERR_V</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> STCHD-TX-FIFO-ERR_V from SSP-V DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_CHC_TX_FIFO_ERR_V</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> STCHC-TX-FIFO-ERR_V from SSP-V DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_CHB_TX_FIFO_ERR_V</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> STCHB-TX-FIFO-ERR_V from SSP-V DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_CHA_TX_FIFO_ERR_V</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> STCHA-TX-FIFO-ERR_V from SSP-V DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/T_SSP_FPGA2_V</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> T_SSP-FPGA2_V from SSP-V DRT header	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_BFPQ_D_FIFO_ERR_V</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> STBFPQ-D-FIFO-ERR_V from SSP-V DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_BFPQ_C_FIFO_ERR_V</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> STBFPQ-C-FIFO-ERR_V from SSP-V DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_BFPQ_B_FIFO_ERR_V</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>

<b>Description:</b> STBFPQ-B-FIFO-ERR_V from SSP-V DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_BFPQ_A_FIFO_ERR_V</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> STBFPQ-A-FIFO-ERR_V from SSP-V DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/T_SSP_FANOUT_V</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> T_SSP-FANOUT_V from SSP-V DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_F3A_HDR_CHKSUM_ERR_V</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> STF3A-HDR-CHKSUM-ERR_V from SSP-V DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_F2A_HDR_CHKSUM_ERR_V</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> STF2A-HDR-CHKSUM-ERR_V from SSP-V DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_F1A_HDR_CHKSUM_ERR_V</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> STF1A-HDR-CHKSUM-ERR_V from SSP-V DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/T_SSP_LVDS_V</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> T_SSP-LVDS_V from SSP-V DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_F3B_HDR_CHKSUM_ERR_V</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> STF3B-HDR-CHKSUM-ERR_V from SSP-V DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_F2B_HDR_CHKSUM_ERR_V</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> STF2B-HDR-CHKSUM-ERR_V from SSP-V DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_F1B_HDR_CHKSUM_ERR_V</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> STF1B-HDR-CHKSUM-ERR_V from SSP-V DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/V_2P5_SSP_REF_V</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> V-2P5_SSP-REF_V from SSP-V DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/T_SSP_MGT_V</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> T_SSP-MGT_V from SSP-V DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/T_SSP_FPGA1_V</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> T_SSP-FPGA1_V from SSP-V DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/T_SSP_U1_V</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> T_SSP-U1_V from SSP-V DRT header		

	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/T_SSP_U2_V</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	T_SSP-U2_V from SSP-V DRT header	
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/V_1P8_SSP_V</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	V-1P8_SSP_V from SSP-V DRT header	
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/V_5P0_SSP_V</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	V-5P0_SSP_V from SSP-V DRT header	
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/V_2P5_SSP_V</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	V-2P5_SSP_V from SSP-V DRT header	
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/V_1P0_SSP_A_V</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	V-1P0_SSP-A_V from SSP-V DRT header	
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/V_1P0_SSP_B_V</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	V-1P0_SSP-B_V from SSP-V DRT header	
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/V_3P3_SSP_V</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	V-3P3_SSP_V from SSP-V DRT header	
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/V_3P3_SSP_LVDS_V</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	V-3P3_SSP-LVDS_V from SSP-V DRT header	
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/V_3P3_SSP_FANOUT_V</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	V-3P3_SSP-FANOUT_V from SSP-V DRT header	
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_CHD_HDR_FIFO_ERR_V</b>		
<b>Type:</b>	UByte	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	STCHD-HDR-FIFO-ERR_V from SSP-V DRT header	
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_CHC_HDR_FIFO_ERR_V</b>		
<b>Type:</b>	UByte	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	STCHC-HDR-FIFO-ERR_V from SSP-V DRT header	
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_CHB_HDR_FIFO_ERR_V</b>		
<b>Type:</b>	UByte	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	STCHB-HDR-FIFO-ERR_V from SSP-V DRT header	
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_CHA_HDR_FIFO_ERR_V</b>		
<b>Type:</b>	UByte	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	STCHA-HDR-FIFO-ERR_V from SSP-V DRT header	
	units	unitless

<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_F3B_PKT_ERR_V</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: STF3B-PKT-ERR_V from SSP-V DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_F2B_PKT_ERR_V</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: STF2B-PKT-ERR_V from SSP-V DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_F1B_PKT_ERR_V</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: STF1B-PKT-ERR_V from SSP-V DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_F3A_PKT_ERR_V</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: STF3A-PKT-ERR_V from SSP-V DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_F2A_PKT_ERR_V</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: STF2A-PKT-ERR_V from SSP-V DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_F1A_PKT_ERR_V</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: STF1A-PKT-ERR_V from SSP-V DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_F3B_MGT_DOWN_V</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: STF3B-MGT-DOWN_V from SSP-V DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_F2B_MGT_DOWN_V</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: STF2B-MGT-DOWN_V from SSP-V DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_F1B_MGT_DOWN_V</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: STF1B-MGT-DOWN_V from SSP-V DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_F3A_MGT_DOWN_V</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: STF3A-MGT-DOWN_V from SSP-V DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_F2A_MGT_DOWN_V</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: STF2A-MGT-DOWN_V from SSP-V DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_F1A_MGT_DOWN_V</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: STF1A-MGT-DOWN_V from SSP-V DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/DT_YEAR_SSP_BFPQ_V</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: DT-YEAR_SSP-BFPQ_V from SSP-V DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/DT_MONTH_SSP_BFPQ_V</b>		

<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> DT-MONTH_SSP-BFPQ_V from SSP-V DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/DT_DAY_SSP_BFPQ_V</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> DT-DAY_SSP-BFPQ_V from SSP-V DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_TLM_MANT_CFG_EN_V</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> STTLM-MANT-CFG-EN_V from SSP-V DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_MANT_CHKSUM_ERR_V</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> STMANT-CHKSUM-ERR_V from SSP-V DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_MANT_CFG_DONE_V</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> STMANT-CFG-DONE_V from SSP-V DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/VER_SSP_BFPQ_V</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> VER_SSP-BFPQ_V from SSP-V DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_FILTER_D_FIFO_ERR_V</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> STFILTER-D-FIFO-ERR_V from SSP-V DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_FILTER_C_FIFO_ERR_V</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> STFILTER-C-FIFO-ERR_V from SSP-V DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_SIF_TX1_FIFO_ERR_V</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> STSIF-TX1-FIFO-ERR_V from SSP-V DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_SIF_TX0_FIFO_ERR_V</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> STSIF-TX0-FIFO-ERR_V from SSP-V DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_CHD_DATA_FIFO_ERR_V</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> STCHD-DATA-FIFO-ERR_V from SSP-V DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_CHC_DATA_FIFO_ERR_V</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> STCHC-DATA-FIFO-ERR_V from SSP-V DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_CHB_DATA_FIFO_ERR_V</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> STCHB-DATA-FIFO-ERR_V from SSP-V DRT header	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_CHA_DATA_FIFO_ERR_V</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>

<b>Description:</b> STCHA-DATA-FIFO-ERR_V from SSP-V DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_CHD_MGT_DOWN_V</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> STCHD-MGT-DOWN_V from SSP-V DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_CHC_MGT_DOWN_V</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> STCHC-MGT-DOWN_V from SSP-V DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_CHB_MGT_DOWN_V</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> STCHB-MGT-DOWN_V from SSP-V DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SSP_V/ST_CHA_MGT_DOWN_V</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> STCHA-MGT-DOWN_V from SSP-V DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_H/DT_YEAR_SIF_H</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> DT-YEAR_SIF_H from SIF-H DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_H/DT_DAY_SIF_H</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> DT-DAY_SIF_H from SIF-H DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_H/V_1P0_SIF_MGT_H</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> V-1P0_SIF-MGT_H from SIF-H DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_H/V_1P2_SIF_MGT_H</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> V-1P2_SIF-MGT_H from SIF-H DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_H/DT_MONTH_SIF_H</b>		
<b>Type:</b> UByte		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> DT-MONTH_SIF_H from SIF-H DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_H/V_2P5_SIF_TLK_H</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> V-2P5_SIF-TLK_H from SIF-H DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_H/V_VREF_2P5_SIF_H</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> V-VREF-2P5_SIF_H from SIF-H DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_H/V_1P0_SIF_H</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> V-1P0_SIF_H from SIF-H DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_H/V_2P5_SIF_H</b>		
<b>Type:</b> UInt16		<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> V-2P5_SIF_H from SIF-H DRT header		



	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_H/V_3P3_SIF_H</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> V-3P3_SIF_H from SIF-H DRT header		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_H/V_5P0_SIF_H</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> V-5P0_SIF_H from SIF-H DRT header		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_H/ST_SIF_H</b>		
<b>Type:</b>	UInt32	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> ST_SIF_H from SIF-H DRT header		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_H/T_SIF_1_H</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> T_SIF-1_H from SIF-H DRT header		
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_H/T_SIF_2_H</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> T_SIF-2_H from SIF-H DRT header		
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_H/ST_PRF_H</b>		
<b>Type:</b>	UInt32	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> ST_PRF_H from SIF-H DRT header		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_H/CP_PLAYBACK_URGENCY_H</b>		
<b>Type:</b>	UByte	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> CP_PLAYBACK-URGENCY_H from SIF-H DRT header		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_H/ST_OBS_ID_H</b>		
<b>Type:</b>	UInt32	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> ST_OBS-ID_H from SIF-H DRT header		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_H/CP_CLOSE_FILE_H</b>		
<b>Type:</b>	UByte	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> CP_CLOSE-FILE_H from SIF-H DRT header		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_H/CP_HDR_ONLY_H</b>		
<b>Type:</b>	UByte	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> CP_HDR-ONLY_H from SIF-H DRT header		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_H/T_SIF_V5_H</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> T_SIF-V5_H from SIF-H DRT header		
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_H/CP_FIRST_RANGELINE_NUMBER_H</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> CP_FIRST-RANGELINE-NUMBER_H from SIF-H DRT header		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_H/CP_DOWNLINK_STATION_H</b>		
<b>Type:</b>	UByte	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b> CP_DOWNLINK-STATION_H from SIF-H DRT header		
	units	unitless

<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_V/DT_YEAR_SIF_V</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: DT-YEAR_SIF_V from SIF-V DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_V/DT_DAY_SIF_V</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: DT-DAY_SIF_V from SIF-V DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_V/V_1P0_SIF_MGT_V</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: V-1P0_SIF-MGT_V from SIF-V DRT header</b>		
units	volts	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_V/V_1P2_SIF_MGT_V</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: V-1P2_SIF-MGT_V from SIF-V DRT header</b>		
units	volts	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_V/DT_MONTH_SIF_V</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: DT-MONTH_SIF_V from SIF-V DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_V/V_2P5_SIF_TLK_V</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: V-2P5_SIF-TLK_V from SIF-V DRT header</b>		
units	volts	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_V/V_VREF_2P5_SIF_V</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: V-VREF-2P5_SIF_V from SIF-V DRT header</b>		
units	volts	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_V/V_1P0_SIF_V</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: V-1P0_SIF_V from SIF-V DRT header</b>		
units	volts	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_V/V_2P5_SIF_V</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: V-2P5_SIF_V from SIF-V DRT header</b>		
units	volts	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_V/V_3P3_SIF_V</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: V-3P3_SIF_V from SIF-V DRT header</b>		
units	volts	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_V/V_5P0_SIF_V</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: V-5P0_SIF_V from SIF-V DRT header</b>		
units	volts	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_V/ST_SIF_V</b>		
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: ST_SIF_V from SIF-V DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_V/T_SIF_1_V</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_SIF-1_V from SIF-V DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_V/T_SIF_2_V</b>		

<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_SIF-2_V from SIF-V DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_V/ST_PRF_V</b>	
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: ST_PRF_V from SIF-V DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_V/CP_PLAYBACK_URGENCY_V</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_PLAYBACK-URGENCY_V from SIF-V DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_V/ST_OBS_ID_V</b>	
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: ST_OBS-ID_V from SIF-V DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_V/CP_CLOSE_FILE_V</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_CLOSE-FILE_V from SIF-V DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_V/CP_HDR_ONLY_V</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_HDR-ONLY_V from SIF-V DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_V/T_SIF_V5_V</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_SIF-V5_V from SIF-V DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_V/CP_FIRST_RANGELINE_NUMBER_V</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_FIRST-RANGELINE-NUMBER_V from SIF-V DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/SIF_V/CP_DOWNLINK_STATION_V</b>	
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_DOWNLINK-STATION_V from SIF-V DRT header</b>	
units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/T_CTB_PCI_RTAX</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_CTB-PCI-RTAX from CTB DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/T_CTB_BACKEND_RTAX</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_CTB-BACKEND-RTAX from CTB DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/V_2P5_CTB_REF</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: V-2P5_CTB-REF from CTB DRT header</b>	
units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/V_1P5_CTB</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: V-1P5_CTB from CTB DRT header</b>	
units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/ST_CTB_DMA1</b>	
<b>Type: UInt32</b>	<b>Shape: (HSTDRTLength)</b>

<b>Description:</b> ST_CTB-DMA1 from CTB DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/ST_CTB_DMA2</b>		
<b>Type: UInt32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> ST_CTB-DMA2 from CTB DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/ST_CTB_DMA3</b>		
<b>Type: UInt32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> ST_CTB-DMA3 from CTB DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/ST_CTB_DMA4</b>		
<b>Type: UInt32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> ST_CTB-DMA4 from CTB DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/ST_CTB_DMA5</b>		
<b>Type: UInt32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> ST_CTB-DMA5 from CTB DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/CP_WAVEGEN_CTRL_H</b>		
<b>Type: UInt32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_WAVEGEN-CTRL_H from CTB DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/CP_WAVEGEN_CTRL_V</b>		
<b>Type: UInt32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_WAVEGEN-CTRL_V from CTB DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/DT_LRCLK_LAST_CMD</b>		
<b>Type: UInt64</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> DT-LRCLK_LAST-CMD from CTB DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/DT_LRCLK_GPS_PPS</b>		
<b>Type: UInt64</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> DT-LRCLK_GPS-PPS from CTB DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/CP_BASE_PRI</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_BASE-PRI from CTB DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/CP_DITHER_SEQ_LEN</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_DITHER-SEQ-LEN from CTB DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/CP_NEXT_COMMAND_PRF</b>		
<b>Type: UInt32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_NEXT-COMMAND-PRF from CTB DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/DT_LRCLK_DATATAKE</b>		
<b>Type: UInt64</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> DT-LRCLK_DATATAKE from CTB DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/CP_DSPPCU_EN_SSP_V</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> CP_DSPPCU-EN-SSP-V from CTB DRT header		

	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/CP_DSPPCU_EN_QFSP_V1</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_DSPPCU-EN-QFSP_V1 from CTB DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/CP_DSPPCU_EN_QFSP_V2</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_DSPPCU-EN-QFSP_V2 from CTB DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/CP_DSPPCU_EN_QFSP_H2</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_DSPPCU-EN-QFSP_H2 from CTB DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/CP_DSPPCU_EN_QFSP_H1</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_DSPPCU-EN-QFSP_H1 from CTB DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/CP_DSPPCU_EN_SSP_H</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_DSPPCU-EN-SSP-H from CTB DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/CP_WG_V_ENABLE</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_WG-V-ENABLE from CTB DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/CP_DSPPCU_EN_QFSP_V0</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_DSPPCU-EN-QFSP_V0 from CTB DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/CP_FS_R_ENABLE</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_FS-R-ENABLE from CTB DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/CP_WG_H_ENABLE</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_WG-H-ENABLE from CTB DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/CP_DSPPCU_EN_QFSP_H0</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_DSPPCU-EN-QFSP_H0 from CTB DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/CP_FS_P_ENABLE</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_FS-P-ENABLE from CTB DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/CP_GBP_WIDTH</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_GBP-WIDTH from CTB DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/ST_LSAR_MODE</b>		
<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: ST_LSAR-MODE from CTB DRT header</b>		
	units	unitless

<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/ST_LSAR_POWER_STATE</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: ST_LSAR-POWER-STATE from CTB DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/CP_CTB_TLM_ADC_EN</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_CTB-TLM-ADC-EN from CTB DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/CP_CTB_LRCLK_HOLD</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_CTB-LRCLK-HOLD from CTB DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/CP_CTB_DITHER_EN</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_CTB-DITHER-EN from CTB DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/CP_CTB_TIMING_EN</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_CTB-TIMING-EN from CTB DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/CP_CTB_PPS_EN</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_CTB-PPS-EN from CTB DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/ST_SIF_CFG_DONE_V</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: ST_SIF-CFG-DONE_V from CTB DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/ST_SSP_CFG_DONE_V</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: ST_SSP-CFG-DONE_V from CTB DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/ST_SIF_CFG_DONE_H</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: ST_SIF-CFG-DONE_H from CTB DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/ST_SSP_CFG_DONE_H</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: ST_SSP-CFG-DONE_H from CTB DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/CP_SIF_EN_V</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_SIF-EN_V from CTB DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/CP_SSP_EN_V</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_SSP-EN_V from CTB DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/CP_SIF_EN_H</b>		
<b>Type: UByte</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: CP_SIF-EN_V from CTB DRT header</b>		
units	unitless	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/CTB/CP_SSP_EN_H</b>		

<b>Type: UByte</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: CP_SSP-EN_V from CTB DRT header</b>		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/GPS/DT_GPS_GPS_SOL</b>		
<b>Type: UInt32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: DT-GPS_GPS-SOL from GPS DRT header</b>		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/GPS/ST_GPS_SOL_CONFIDENCE</b>		
<b>Type: Float32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: ST_GPS-SOL-CONFIDENCE from GPS DRT header</b>		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/GPS/ST_GPS_SOL_PRECISION</b>		
<b>Type: Float32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: ST_GPS-SOL-PRECISION from GPS DRT header</b>		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/GPS/ST_GPS_POS_X</b>		
<b>Type: Float64</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: ST_GPS-POS-X from GPS DRT header</b>		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/GPS/ST_GPS_POS_y</b>		
<b>Type: Float64</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: ST_GPS-POS-y from GPS DRT header</b>		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/GPS/ST_GPS_POS_Z</b>		
<b>Type: Float64</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: ST_GPS-POS-Z from GPS DRT header</b>		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/GPS/ST_GPS_TIME_OFFSET</b>		
<b>Type: Float64</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: ST_GPS-TIME-OFFSET from GPS DRT header</b>		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/GPS/ST_GPS_VEL_X</b>		
<b>Type: Float64</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: ST_GPS-VEL-X from GPS DRT header</b>		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/GPS/ST_GPS_VEL_y</b>		
<b>Type: Float64</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: ST_GPS-VEL-y from GPS DRT header</b>		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/GPS/ST_GPS_VEL_Z</b>		
<b>Type: Float64</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: ST_GPS-VEL-Z from GPS DRT header</b>		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/GPS/DT_GPS_GPS_PPS</b>		
<b>Type: UInt32</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: DT-GPS_GPS-PPS from GPS DRT header</b>		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/IFSW/DT_PDS_LAST_CMD</b>		
<b>Type: UInt64</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: DT-PDS_LAST-CMD from IFSW DRT header</b>		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/IFSW/ST_IFSW_LAST_PDS_CMD</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>

<b>Description:</b> ST_IFSW-LAST-PDS-CMD from IFSW DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/IFSW/ST_IFSW_PDS_CMD_COUNT</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> ST_IFSW-PDS-CMD-COUNT from IFSW DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/IFSW/ST_IFSW_READBACK_ERRORS</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> ST_IFSW-READBACK-ERRORS from IFSW DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/IFSW/ST_IFSW_CUR_ROST_RECORD_COUNT</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> ST_IFSW-CUR-ROST-RECORD-COUNT from IFSW DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/IFSW/ST_IFSW_CUR_ROST_RECORD_INDEX</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> ST_IFSW-CUR-ROST-RECORD-INDEX from IFSW DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/IFSW/ST_IFSW_STATUS</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> ST_IFSW-STATUS from IFSW DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/IFSW/ST_IFSW_ERROR_CODE</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> ST_IFSW-ERROR-CODE from IFSW DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/IFSW/VER_IFSW</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> VER_IFSW from IFSW DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/PDS/ST_SC_ATTITUDE_I</b>		
<b>Type: Float64</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> X-component of quaternion relating inertial (ICRF) and spacecraft (SCCS) frames.		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/PDS/ST_SC_ATTITUDE_J</b>		
<b>Type: Float64</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> Y-component of quaternion relating inertial (ICRF) and spacecraft (SCCS) frames.		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/PDS/ST_SC_ATTITUDE_K</b>		
<b>Type: Float64</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> Z-component of quaternion relating inertial (ICRF) and spacecraft (SCCS) frames.		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/PDS/ST_SC_ATTITUDE_S</b>		
<b>Type: Float64</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> Scalar component of quaternion relating inertial (ICRF) and spacecraft (SCCS) frames.		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/PDS/DT_PDS_SC_ATTITUDE</b>		
<b>Type: Float64</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> Spacecraft on-board time (OBT) when attitude was captured.		
units		milliseconds
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/ST_HKT_STATUS</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> ST_HKT-STATUS from HKT DRT header		



	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/CP_INTEGRATION_NUMBER</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	CP_INTEGRATION-NUMBER from HKT DRT header	
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/CP_SETTLING_TIME</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	CP_SETTLING-TIME from HKT DRT header	
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_HKT_CR1</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	T_HKT-CR1 from HKT DRT header	
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_QFSP_H0</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	T_QFSP_H0 from HKT DRT header	
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_QFSP_H1</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	T_QFSP_H1 from HKT DRT header	
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_QFSP_H2</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	T_QFSP_H2 from HKT DRT header	
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_SSP_H</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	T_SSP_H from HKT DRT header	
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_RAB_HINGE_DAMPER_1</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	T_RAB-HINGE-DAMPER-1 from HKT DRT header	
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_RAB_HINGE_DAMPER_2</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	T_RAB-HINGE-DAMPER-2 from HKT DRT header	
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_RBPCU_H</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	T_RBPCU_H from HKT DRT header	
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_FS_P</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	T_FS_P from HKT DRT header	
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_UCD_H</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	T_UCD_H from HKT DRT header	
	units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_DSPPCU_1_H</b>		
<b>Type:</b>	UInt16	<b>Shape:</b> (HSTDRTLength)
<b>Description:</b>	T_DSPPCU_1_H from HKT DRT header	
	units	Celsius

<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_SPARE_1</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_SPARE-1 from HKT DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_RAB_HINGE_DAMPER_3</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_RAB-HINGE-DAMPER-3 from HKT DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_RAD750_PWB</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_RAD750-PWB from HKT DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_RAD750_CPU</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_RAD750-CPU from HKT DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_NVM</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_NVM from HKT DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_HKT_CR2</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_HKT-CR2 from HKT DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_QFSP_V0</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_QFSP_V0 from HKT DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_QFSP_V1</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_QFSP_V1 from HKT DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_QFSP_V2</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_QFSP_V2 from HKT DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_SSP_V</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_SSP_V from HKT DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_DSPPCU_2_V</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_DSPPCU-2_V from HKT DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_WG_V</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_WG_V from HKT DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_RBPCU_V</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: T_RBPCU_V from HKT DRT header</b>		
units	Celsius	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_FS_R</b>		

<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_FS_R from HKT DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_UCD_V</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_UCD_V from HKT DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_DSPPCU_1_V</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_DSPPCU-1_V from HKT DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_SPARE_2</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_SPARE-2 from HKT DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_SPARE_3</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_SPARE-3 from HKT DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_GND_HKT</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: V-GND_HKT from HKT DRT header</b>	
units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_DSPPCU_2_H</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_DSPPCU-2_H from HKT DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_WG_H</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_WG_H from HKT DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_SPARE_4</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_SPARE-4 from HKT DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_RAB_HINGE_DAMPER_4</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_RAB-HINGE-DAMPER-4 from HKT DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_RAB_LR5M</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_RAB-LR5M from HKT DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_RAB_LR2</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_RAB-LR2 from HKT DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_RAB_RAR_IF</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>
<b>Description: T_RAB-RAR-IF from HKT DRT header</b>	
units	Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_RICPCU_1</b>	
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>

<b>Description:</b> T_RICPCU-1 from HKT DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/T_RICPCU_2</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> T_RICPCU-2 from HKT DRT header		
units		Celsius
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_15P0_RBPCU_FS_P</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-15P0_RBPCU-FS_P from HKT DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_12P0_RBPCU_FS_P</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-12P0_RBPCU-FS_P from HKT DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_7P0_RBPCU_FS_P</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-7P0_RBPCU-FS_P from HKT DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_7P0_WG_UCD_H</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-7P0_WG-UCD_H from HKT DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_PG_RBPCU_H</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-PG_RBPCU_H from HKT DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/P_FS_10_P</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> P_FS-10_P from HKT DRT header		
units		unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_5P0_DSPPCU_SSP_H</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-5P0_DSPPCU-SSP_H from HKT DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_5P0_DSPPCU_QFSP_H0</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-5P0_DSPPCU-QFSP_H0 from HKT DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_7P0_DSPPCU_QFSP_H0</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-7P0_DSPPCU-QFSP_H0 from HKT DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_5P0_DSPPCU_QFSP_H1</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-5P0_DSPPCU-QFSP_H1 from HKT DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_7P0_DSPPCU_QFSP_H1</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-7P0_DSPPCU-QFSP_H1 from HKT DRT header		
units		volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_PG_DSPPCU_H</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description:</b> V-PG_DSPPCU_H from HKT DRT header		

	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_PG_DSPPCU_V</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-PG_DSPPCU_V from HKT DRT header</b>		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_SPARE_1</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-SPARE-1 from HKT DRT header</b>		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_5P0_DSPPCU_QFSP_H2</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-5P0_DSPPCU-QFSP_H2 from HKT DRT header</b>		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_15P0_RBPCU_FS_R</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-15P0_RBPCU-FS_R from HKT DRT header</b>		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_12P0_RBPCU_FS_R</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-12P0_RBPCU-FS_R from HKT DRT header</b>		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_7P0_RBPCU_FS_R</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-7P0_RBPCU-FS_R from HKT DRT header</b>		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_7P0_WG_UCD_V</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-7P0_WG-UCD_V from HKT DRT header</b>		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_PG_RBPCU_V</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-PG_RBPCU_V from HKT DRT header</b>		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/P_FS_10_R</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: P_FS-10_R from HKT DRT header</b>		
	units	unitless
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_5P0_DSPPCU_SSP_V</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-5P0_DSPPCU-SSP_V from HKT DRT header</b>		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_5P0_DSPPCU_QFSP_V0</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-5P0_DSPPCU-QFSP_V0 from HKT DRT header</b>		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_7P0_DSPPCU_QFSP_V0</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-7P0_DSPPCU-QFSP_V0 from HKT DRT header</b>		
	units	volts
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_5P0_DSPPCU_QFSP_V1</b>		
<b>Type: UInt16</b>		<b>Shape: (HSTDRTLength)</b>
<b>Description: V-5P0_DSPPCU-QFSP_V1 from HKT DRT header</b>		
	units	volts

<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_7P0_DSPPCU_QFSP_V1</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: V-7P0_DSPPCU-QFSP_V1 from HKT DRT header</b>		
units	volts	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_5P0_DSPPCU_QFSP_V2</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: V-5P0_DSPPCU-QFSP_V2 from HKT DRT header</b>		
units	volts	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_7P0_DSPPCU_QFSP_V2</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: V-7P0_DSPPCU-QFSP_V2 from HKT DRT header</b>		
units	volts	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_7P0_DSPPCU_QFSP_H2</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: V-7P0_DSPPCU-QFSP_H2 from HKT DRT header</b>		
units	volts	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_3P3_WG_H</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: V-3P3_WG_H from HKT DRT header</b>		
units	volts	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_3P3_WG_V</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: V-3P3_WG_V from HKT DRT header</b>		
units	volts	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_3P3_RICPCU</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: V-3P3_RICPCU from HKT DRT header</b>		
units	volts	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_5P0_RICPCU</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: V-5P0_RICPCU from HKT DRT header</b>		
units	volts	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_12P0_RICPCU</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: V-12P0_RICPCU from HKT DRT header</b>		
units	volts	
<b>/science/LSAR/RRSD/lowRateTelemetry/DRT/HKT/V_M12P0_RICPCU</b>		
<b>Type: UInt16</b>	<b>Shape: (HSTDRTLength)</b>	
<b>Description: V-M12P0_RICPCU from HKT DRT header</b>		
units	volts	

## 5.6 Radar Metadata – Processing Information

Table 5-6 NISAR HDF5 variables related to useful radar metadata/processingInformation

<b>Processing-related variables</b>		
<b>/science/LSAR/RRSD/metadata/processingInformation/parameters/runConfigurationContents</b>		
<b>Type:</b> string	<b>Shape:</b> scalar	
<b>Description:</b> Contents of the run configuration file with parameters used for processing		
<b>/science/LSAR/RRSD/metadata/processingInformation/algorithms/softwareVersion</b>		
<b>Type:</b> string	<b>Shape:</b> scalar	
<b>Description:</b> None		
	algorithm_type	pre-processing
	name	internal calibration
	software_ID	x
	version	x
<b>/science/LSAR/RRSD/metadata/processingInformation/inputs/l0aGranules</b>		
<b>Type:</b> string	<b>Shape:</b> (numberOfInputL0AFiles)	
<b>Description:</b> List of input L0A products used		
<b>/science/LSAR/RRSD/metadata/processingInformation/inputs/auxcalFiles</b>		
<b>Type:</b> string	<b>Shape:</b> (numberOfInputAuxcalFiles)	
<b>Description:</b> List of input calibration files used		
<b>/science/LSAR/RRSD/metadata/processingInformation/inputs/configFiles</b>		
<b>Type:</b> string	<b>Shape:</b> (numberOfInputConfigFiles)	
<b>Description:</b> List of input config files used		

## APPENDIX A: ACRONYMS

ADT	Algorithm Development Team
ANF	Area Normalization Factor
AT	Along Track
ATBD	Algorithm Theoretical Basis Document
AWS	Amazon Web Services
BFPQ	Block (adaptive) Floating-Point Quantization (adaptive may indicate implementation options)
Cal/Val	Calibration and Validation (also sometimes cal/val)
CDR	Critical Design Review
CF	Climate and Forecast
CPU	Central Processing Unit
CRSD	Calibration Raw Signal Data
CSV	Comma-separated values
DAAC	Distributed Active Archive Center
DBF	Digital Beam Forming
DEM	Digital Elevation Model
DM	Diagnostic Mode
DN	Digital Number
EAR	Export Administration Regulations
EASE	Equal-Area Scalable Earth
ECMWF	European Centre for Medium-Range Weather Forecasts
ECEF	Earth Centered Earth Fixed
EOSDIS	Earth Observing System and Data Information System
EPSG	European Petroleum Survey Group
ER##	Engineering Release ##
ERA5	ECMWF Reanalysis 5th generation
FFT	Fast Fourier Transform
FM	Frequency Modulation
FOE	Forecast Orbit Ephemeris
FOV	Field of View
GCOV	Geocoded Polarimetric Covariance (L2_GCOV)
GCP	Ground Control Point
GDAL	Geospatial Data Abstraction Library
GDS	Ground Data System
GeoTIFF	Geographic Tagged Image File Format
GIS	Geographic Information System
GMTED	Global Multi-resolution Terrain Elevation Data



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GNSS	Global Navigation Satellite System
GOFF	Geocoded Pixel Offsets (L2_GOFF)
GPU	Graphics Processing Unit
GSLC	Geocoded Single Look Complex (L2_GSLC)
GUNW	Geocoded Unwrapped Interferogram (L2_GUNW)
HH	Horizontal-transmit, Horizontal-receive polarization
HK, HKTM	Housekeeping Telemetry
HDF5	Hierarchical Data Format version 5
HV	Horizontal-transmit, Vertical-receive polarization
ICU	Integrated Correlation Unit
InSAR	Interferometric Synthetic Aperture Radar
ISCE	InSAR Scientific Computing Environment
ISCE3	InSAR Scientific Computing Environment Enhanced Edition (for NISAR)
ISO	International Organization for Standardization
ISRO	Indian Space Research Organisation (British spelling)
JPL	Jet Propulsion Laboratory
JSON	JavaScript Notation
L0B	Level-0B (data)
L1	Level-1 (data)
L2	Level-2 (data)
L3	Level-3 (data)
LRR	[JPL] Limited Release Request
LRS	[JPL] Limited Release System
LUT	Lookup Table
Mbps	Megabits per second
MHz	Megahertz
MOE	Medium-precision Orbit Ephemeris
NASA	National Aeronautics and Space Administration
NETCDF4	Network Common Data Format 4 (also netCDF4)
NISAR	NASA-ISRO Synthetic Aperture Radar
NOE	Near-Realtime Orbit Ephemeris
OpenMP	Open Multi-Processing
PCM	Process Control Management
PDF	Portable Document Format (often pdf)
PDR	Preliminary Design Review
POD	Precision Orbit Determination
POE	Precision Orbit Ephemeris
PRF	Pulse Repetition Frequency

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QA	Quality Assurance
R#.#	Release #.# (.0 often not used)
REE	Radar Echo Emulator
RFI	Radio Frequency Interference
RIFG	Range-Doppler Interferogram (L1_RIFG)
ROFF	Range-Doppler Pixel Offsets (L1_ROFF)
RRSD	Raw Radar Signal Data
RRST	Raw Radar Signal Telemetry
RSLC	Range-Doppler Single Look Complex (L1_RSLC)
RTC	Radiometric Terrain Correction
RUNW	Range-Doppler UnWrapped Interferogram (L1_RUNW)
RV	Right-circular, V-receive compact polarization
SAR	Synthetic Aperture Radar (L-SAR: L-band. S-SAR: S-band)
SAS	Science Algorithm Software
SDS	Science Data System
SDT	Science Definition Team
SIS	Software Interface Specification
SLC	Single Look Complex
SME2	Soil Moisture product based on a 200-meter global EASE Grid projection
SMAP	Soil Moisture Active Passive (Mission)
SNAPHU	Statistical-cost, Network-flow Algorithm for Phase Unwrapping
SRTM	Shuttle Radar Topography Mission
ST	Science Team
SWST	Sampling Window Start Time
TAI	International Atomic Time (Temps Atomique International)
TCF	Terrain Correction Factor
TEC	Total Electron Content
TFdb	Trackframe Database
SWST	Sampling Window Start Time
UR	Urgent Response
UTC	Universal Time Coordinated
UTM	Universal Transverse Mercator
VH	Vertical-transmit, Horizontal-receive polarization
VV	Vertical-transmit, Vertical-receive polarization
WGS84	World Geodetic System 84
XML	eXtensible Markup Language (xml in code)
YAML	YAML Ain't Markup Language