

Standards Change Request

New Keywords SOURCE_PRODUCT_START/STOP_TIME

SCR3-1147.v1

Provenance:

Date: 2008-11-25

Author(s): Susie Slavney (Geosciences)

Working Group: TBD

Problem:

The CRISM data provider has requested the creation of two new keywords, SOURCE_PRODUCT_START_TIME and SOURCE_PRODUCT_STOP_TIME, to indicate the time range of one or more source products used to generate a derived product. The keywords are needed for CRISM CDR products that will be delivered in March 2009. These are proposed for the PSDD rather than the MRO LDD because they seem to be generally useful. We could not find any existing keywords that serve this purpose.

Current Urgency:

The provider needs these keywords for the March 9, 2009 MRO delivery.

Proposed Solution:

Add new keywords as defined below to the PSDD.

Impact Assessment:

PDS Standards Reference – None.

Archive Preparation Guide – None.

Proposer's Archive Guide – None.

Planetary Science Data Dictionary – Two new keywords as defined below.

PDS tools – None.

Additional Information:

None.

Requested Changes:

Definitions for the new keywords follow.

```
PDS_VERSION_ID           = PDS3
LABEL_REVISION_NOTE      = "2008-11-25, GEO:Slavney"
OBJECT                   = ELEMENT_DEFINITION
  ELEMENT_NAME           = "SOURCE_PRODUCT_START_TIME"
  DESCRIPTION            = "The SOURCE_PRODUCT_START_TIME keyword
    identifies the earliest start time of the source data products
    used to generate a derived data product."
  GENERAL_DATA_TYPE      = TIME
  MAXIMUM                = "N/A"
  MINIMUM               = "N/A"
  MAXIMUM_LENGTH        = 30
  MINIMUM_LENGTH        = N/A
  STANDARD_VALUE_TYPE    = FORMATION
  STANDARD_VALUE_SET     = "N/A"
  STANDARD_VALUE_SET_DESC = "N/A"
  KEYWORD_DEFAULT_VALUE = "N/A"
  UNIT_ID               = NONE
  FORMATION_RULE_DESC   = "yyyy-mm-ddThh:mm:ss[.ffffff]"

/* Completion of the following will be the responsibility of the PDS      */
/* Engineering Node representative                                       */

OBJECT                   = ELEMENT_STANDARD_VALUE
  COLUMN_VALUE           =
  COLUMN_VALUE_TYPE      =
  COLUMN_VALUE_NODE_ID  =
  OUTPUT_FLAG           =
END_OBJECT              = ELEMENT_STANDARD_VALUE

SYSTEM_CLASSIFICATION_ID = MRO
GENERAL_CLASSIFICATION_TYPE = MISSION
STATUS_TYPE              =
STANDARD_VALUE_OUTPUT_FLAG =
TEXT_FLAG                =
BL_NAME                  =
TERSE_NAME               =
SQL_FORMAT               =
BL_SQL_FORMAT            =
DISPLAY_FORMAT           =
AVAILABLE_VALUE_TYPE     =
END_OBJECT              = ELEMENT_DEFINITION
END
```

```

PDS_VERSION_ID          = PDS3
LABEL_REVISION_NOTE    = "2008-11-25, GEO:Slavney"
OBJECT                  = ELEMENT_DEFINITION
  ELEMENT_NAME          = "SOURCE_PRODUCT_STOP_TIME"
  DESCRIPTION           = "The SOURCE_PRODUCT_STOP_TIME keyword
    identifies the latest start time of the source data products
    used to generate a derived data product."
  GENERAL_DATA_TYPE     = TIME
  MAXIMUM               = "N/A"
  MINIMUM               = "N/A"
  MAXIMUM_LENGTH       = 30
  MINIMUM_LENGTH       = N/A
  STANDARD_VALUE_TYPE   = FORMATION
  STANDARD_VALUE_SET    = "N/A"
  STANDARD_VALUE_SET_DESC = "N/A"
  KEYWORD_DEFAULT_VALUE = "N/A"
  UNIT_ID               = NONE
  FORMATION_RULE_DESC   = "yyyy-mm-ddThh:mm:ss[.ffffff]"

```

```

/* Completion of the following will be the responsibility of the PDS      */
/* Engineering Node representative                                         */

```

```

OBJECT                  = ELEMENT_STANDARD_VALUE
  COLUMN_VALUE          =
  COLUMN_VALUE_TYPE     =
  COLUMN_VALUE_NODE_ID =
  OUTPUT_FLAG           =
END_OBJECT              = ELEMENT_STANDARD_VALUE

SYSTEM_CLASSIFICATION_ID = MRO
GENERAL_CLASSIFICATION_TYPE = MISSION
STATUS_TYPE              =
STANDARD_VALUE_OUTPUT_FLAG =
TEXT_FLAG                 =
BL_NAME                   =
TERSE_NAME                 =
SQL_FORMAT                 =
BL_SQL_FORMAT              =
DISPLAY_FORMAT             =
AVAILABLE_VALUE_TYPE      =
END_OBJECT                = ELEMENT_DEFINITION
END

```