

SHAPE Model Dataset Checks for PSA Ingestion

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Data set: RO-C-MULTI-5-67P-SHAPE-V1.0

Severity: Minor means we would like a fix, but can live with it.

Severity: Major items are showstoppers and must be addressed for PSA to ingest.

Experiment	SHAPE	RID Nr.	1.
Title	PRODUCT_ID missing in CITATIONS.LBL and CHECKSUM.LBL		
Dataset	RO-C-MULTI-5-67P-SHAPE-V1.0		
Severity	Major		
Description	PRODUCT_ID is required in all labels for PSA, and is missing from the two files CHECKSUM.LBL and CITATIONS.LBL in the INDEX directory.		
SOLUTION	Please add PRODUCT_ID to the two labels.		

Experiment	SHAPE	RID Nr.	2.
Title	Wrong pointer format not in the 27.3 standards		
Dataset	RO-C-MULTI-5-67P-SHAPE-V1.0		
Severity	Major		
Description	The file names for the MSPDC products are over 27.3. Same for almost all files in the PREVIEW_IMAGES subdirectory within DOCUMENT.		
SOLUTION	Please adjust the filenames to comply with the 27.3 conventions. Note that the relevant pointers and PRODUCT_ID values should be adjusted to match. We realise this may be an archaic requirement, but our system requires it as it was a clear requirement in the 3.6 Standards at the time Rosetta archiving began.		

Experiment	SHAPE	RID Nr.	3.
Title	Missing ARCHIVE_STATUS in DATA_SET_INFORMATION		
Dataset	RO-C-MULTI-5-67P-SHAPE-V1.0		
Severity	Major		
Description	The ARCHIVE_STATUS keyword is missing in the DATASET.CAT.		
SOLUTION	The keyword must be added to the DATA_SET_INFORMATION object in the DATASET.CAT.		

Experiment	SHAPE	RID Nr.	4.
Title	SOFTWARE.CAT file missing		
Dataset	RO-C-MULTI-5-67P-SHAPE-V1.0		
Severity	Major		
Description	SOFTWARE.CAT is required by PSA.		
SOLUTION	Please add a template SOFTWARE.CAT and the relevant pointer in the VOLDESC.CAT.		

Experiment	SHAPE	RID Nr.	5.
Title	Missing keywords in INDEX.LBL		
Dataset	RO-C-MULTI-5-67P-SHAPE-V1.0		
Severity	Major		
Description	In INDEX.LBL, the following keywords are missing, and are required by PSA: DATA_SET_ID PRODUCT_CREATION_TIME PRODUCT_ID		
SOLUTION	Please add the keywords to the INDEX.LBL		

Experiment	SHAPE	RID Nr.	6.
Title	Missing keywords in data LBL files		
Dataset	RO-C-MULTI-5-67P-SHAPE-V1.0		
Severity	Major		
Description	MISSION_PHASE_NAME, INSTRUMENT_MODE_ID, START_TIME, STOP_TIME and DATA_SET_NAME are missing in many of the LBL files.		
SOLUTION	These keywords must be added to all the data LBLs, even if values are set to "N/A". They are required for instruments such as NAVCAM and OSIRIS and our validation software sees that these products are related to the given instruments and sets the requirements accordingly.		

Experiment	SHAPE	RID Nr.	7.
Title	DATASET.CAT incorrect DATA_SET_ID		
Dataset	RO-C-MULTI-5-67P-SHAPE-V1.0		
Severity	Major		
Description	The DATA_SET_ID in the DATASET.CAT is wrong, and still refers to the old OSIRIS version of the dataset.		
SOLUTION	Correct the DATA_SET_ID to match the new MULTI data set.		

Experiment	SHAPE	RID Nr.	8.
Title	Pinter format in DOCUMENT/PREVIEW_IMAGES labels		
Dataset	RO-C-MULTI-5-67P-SHAPE-V1.0		
Severity	Major		
Description	The curly brackets in the 2 LBL files used to list the PNG images are not accepted by the PSA. Please change these to the round brackets ().		

SOLUTION	Please change the brackets used for the pointers in the 2 label files from {} to ().
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Experiment	SHAPE	RID Nr.	9.
Title	INSTRUMENT pointer in VOLDESC.CAT		
Dataset	RO-C-MULTI-5-67P-SHAPE-V1.0		
Severity	Minor (workaround will be implemented)		
Description	PVV raises an error because of the use of ^INSTRUMENT_CATALOG = {"OSINAC_INST.CAT", "OSIWAC_INST.CAT" }		
SOLUTION	This is a problem with the existing PSA setup, which does not allow multiple catalog files to be defined for each pointer in the VOLDESC.CAT. We understand this is the normal approach for PDS, so we will need to implement a workaround at PSA to allow ingestion of this data set.		

Experiment	SHAPE	RID Nr.	10.
Title	Other consequence of the 2 instrument in a same data set		
Dataset	RO-C-MULTI-5-67P-SHAPE-V1.0		
Severity	Minor (workaround will be implemented)		
Description	There is a mismatch between the INSTRUMENT_NAME in the LBL {"OSIRIS - NARROW ANGLE CAMERA", "OSIRIS - WIDE ANGLE CAMERA"} and the one in the catalog.		
SOLUTION	See above. PSA will implement a workaround.		