**RPCICA Checks**

**Maud Barthelemy**

**2016-01-28**

**Data set:** RO-C-RPCICA-3-ESC1-CALIB-V1.0

Delivered on 28/01/2016

This data set has been validated with DVAL NG.

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| **Experiment** | RPCICA | **RID Nr.** |  |
| **Title** | DVAL NG cannot open the data set |
| **Dataset** | RO-C-RPCICA-3-ESC1-CALIB-V1.0 |
| **Validation step** | DVAL NG opening |
| **Description** | DVAL NG cannot open the DATASET. DATASET.CAT ODL error is the reason. I cannot find the character (I suppose it is a non ascii character). So I rewrite everything and it works. |
| **SOLUTION** | Find the non ascii character in the file |
| **Reply from the team** |  |

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| **Experiment** | RPCICA | **RID Nr.** |  |
| **Title** | Nan value in TAB files |
| **Dataset** | RO-C-RPCICA-3-ESC1-CALIB-V1.0 |
| **Validation step** | DVAL TABLE |
| **Description** | DVAL TABLE raises an error because CALIB/GFACTOR\_HEAVY\_V08.TAB, CALIB/GFACTOR\_HEAVY\_V07.TAB CALIB/GFACTOR\_LIGHT\_V08.TAB CALIB/GFACTOR\_LIGHT\_V07.TAB contain Nan as Not Applicable value. “Nan” is the character but the column is real type. |
| **SOLUTION** | The team should use the MISSING\_CONSTANT keyword that allows to use a value like 9.999999999999 as the Not Applicable value. |
| **Reply from the team** |  |

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| **Experiment** | RPCICA | **RID Nr.** |  |
| **Title** | Table badly defined: number of rows |
| **Dataset** | RO-C-RPCICA-3-ESC1-CALIB-V1.0 |
| **Validation step** | DVAL TABLE |
| **Description** | In CALIB/ICA\_ENERGY\_TABLE\_V07.LBL and In CALIB/ICA\_ENERGY\_TABLE\_V08.LBL, 96 rows are declared meanwhile the actual value is different. |
| **SOLUTION** | I changed FILE\_RECORDS and ROWS = 32 for V07 and FILE\_RECORDS and ROWS=8 for V08. |
| **Reply from the team** |  |

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| **Experiment** | RPCICA | **RID Nr.** |  |
| **Title** | Format in DATA |
| **Dataset** | RO-C-RPCICA-3-ESC1-CALIB-V1.0 |
| **Validation step** | DVAL Table |
| **Description** | In DATA/\*.LBL, from column 10 (BYTES 47) the FORMAT is E7.3 but should be E9.3.  |
| **SOLUTION** | I did not correct this |
| **Reply from the team** |  |

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| **Experiment** | RPCICA | **RID Nr.** |  |
| **Title** | Line ending |
| **Dataset** | RO-C-RPCICA-3-ESC1-CALIB-V1.0 |
| **Validation step** | DVAL Encoding |
| **Description** | CALIB/CALINFO.TXT has bad line endings |
| **SOLUTION** | Corrected |
| **Reply from the team** |  |

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| **Experiment** | RPCICA | **RID Nr.** |  |
| **Title** | Non ASCII characters |
| **Dataset** | RO-C-RPCICA-3-ESC1-CALIB-V1.0 |
| **Validation step** | DVAL Encoding |
| **Description** | There are non ascii characters in DOCUMENT/ICA\_EAICD/ICA\_EAICD.ASC |
| **SOLUTION** |  |
| **Reply from the team** |  |

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| **Experiment** | RPCICA | **RID Nr.** |  |
| **Title** | RECORD\_BYTES incorrect |
| **Dataset** | RO-C-RPCICA-3-ESC1-CALIB-V1.0 |
| **Validation step** | DVAL Size |
| **Description** | In CALIB/GFACTOR\_\*.LBL the RECORD\_BYTES is incorrect. It should be the ROW\_BYTES value.Example for GFACTOR\_HEAVY\_V02.LBL instead of 100 it should be 49. |
| **SOLUTION** |  |
| **Reply from the team** |  |