



**Solar Ultra Violet Imager
(SUVI)
Requirements Verification Report**

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SUVI Level 0 Packet Reader

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Note: A hard copy of this document may not be the document currently in effect. The current version is always the version on the Lockheed Martin Intranet.

Revision History

Revision	Date	Description of Change
-	21-Mar-2019 v2	EPDM Author Controlled – CM Vault Original Release
A	9-April-2019 v1	Removed “U.S.Exports Controlled” markings

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1 Purpose

This document describes the software items delivered as part of SUVI Level 0 Packet Reader delivery. The reader generates FITS files from SUVI netCDF4 image packet files. It processes all image APIDs.

2 Applicable Documents

SUVPRQ-08-0858 CDRL 43 - Flight Telemetry and Command Handbook
 SUVPRP-16-6556 GOES-R Product Definition and Users Guide (**PUG**)

3 Analysis

3.1 Delivery Contents

3.1.1 Description of Delivery Contents

The delivery consists of three zip files;

1. SUVI_L0_source_only.zip
 - a. SUVI_L0.cpp 155.3 kb 20-Mar-19
 - b. SUVI_L0_README.txt 1.2 kb 14-Feb-19
 - c. SUVI_Level0_Data_Reader_Users_Manual.docx 64.6 kb 20-Mar-19
 - d. SUVI_configuration.cfg 8.4 kb 20-Mar-19
 - e. HDF5 version 1.8.15 utilities (See below)
2. SUVI_L0_with_Win_exe_and_input.zip
3. SUVI_L0_doxygen.zip

HDF5 version 1.8.15 utilities

This directory contains the binary (release) distribution of
 HDF5 1.8 utilities that was compiled on;
 Windows 7 x64, using VISUAL STUDIO 2013.

It was built with the following options:

- STATIC C/C++ libraries
- SZIP (encoder enabled) and ZLIB
- STATIC HDF5 tools

The contents of this directory are:

COPYING - Copyright notice
README.txt - This file
HDF5-1.8.15-utilities - Directory containing the utilities

Copy the whole folder to your intended location, executables and dlls.

=====
Documentation for this release can be found at the following URL:

<http://www.hdfgroup.org/HDF5/doc/>.

See the HDF5 home page for further details:

<http://hdfgroup.org/HDF5/>

Bugs should be reported to help@hdfgroup.org.

Directory:

- a. HDF/HDF5-1.8.15-utilities/COPYING4.7 kb5-Feb-19
- b. HDF/HDF5-1.8.15-utilities/README.txt992 bytes5-Feb-19
- c. HDF/HDF5-1.8.15-utilities/first.md10.5 kb5-Feb-19
- d. HDF/HDF5-1.8.15-utilities/gif2h5.exe2.9 MB5-Feb-19
- e. HDF/HDF5-1.8.15-utilities/h52gif.exe2.9 MB5-Feb-19
- f. HDF/HDF5-1.8.15-utilities/h5copy.exe2.8 MB5-Feb-19
- g. HDF/HDF5-1.8.15-utilities/h5debug.exe2.7 MB5-Feb-19
- h. HDF/HDF5-1.8.15-utilities/h5diff.exe2.9 MB5-Feb-19
- i. HDF/HDF5-1.8.15-utilities/h5dump.exe2.9 MB5-Feb-19
- j. HDF/HDF5-1.8.15-utilities/h5import.exe2.9 MB5-Feb-19
- k. HDF/HDF5-1.8.15-utilities/h5jam.exe2.8 MB5-Feb-19
- l. HDF/HDF5-1.8.15-utilities/h5ls.exe2.8 MB5-Feb-19
- m. HDF/HDF5-1.8.15-utilities/h5mkgrp.exe2.8 MB5-Feb-19
- n. HDF/HDF5-1.8.15-utilities/h5repack.exe2.9 MB5-Feb-19
- o. HDF/HDF5-1.8.15-utilities/h5repart.exe2.7 MB5-Feb-19
- p. HDF/HDF5-1.8.15-utilities/h5stat.exe2.8 MB5-Feb-19
- q. HDF/HDF5-1.8.15-utilities/h5unjam.exe2.8 MB5-Feb-19
- r. HDF/HDF5-1.8.15-utilities/metadata.txt12.9 kb5-Feb-19
- s. HDF/HDF5-1.8.15-utilities/msvcpl20.dll660.1 kb5-Feb-19
- t. HDF/HDF5-1.8.15-utilities/msvcr120.dll963.2 kb5-Feb-19

All of these files are delivered via the GOES-R Portal.

3.1.2 Build Instructions

See, SUVI_Level0_Data_Reader_Users_Manual.docx.

3.1.3 Special Operating Instructions

See, SUVI_Level0_Data_Reader_Users_Manual.docx.

3.1.4 Inventory of the Delivered Media

All of these files are delivered via the GOES-R Portal.

4 Conclusion and Results

All required materials are included in this package.