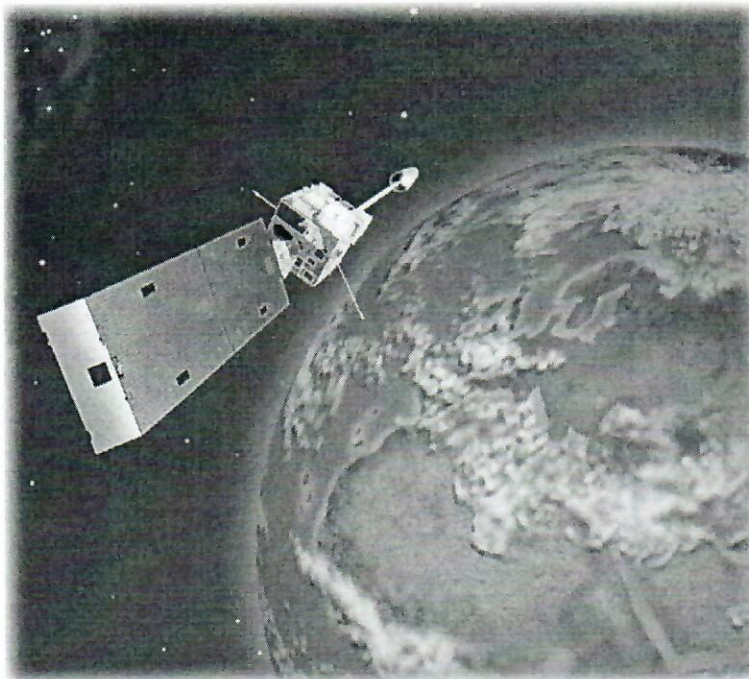


# **LZSS De-Commuation Operations Tool Verification Procedure For The GOES-R Space Environment In-Situ Suite (SEISS)**

SEISS-XX-XXX Rev A .....3/9/17



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## RECORD OF CHANGES

Revision Letter	Date	Title or Brief Description	Entered By
-	7/5/2016	LZSS De-Commutation Operations Tool Verification Procedure	B. Brown
A	3/9/2017	Update to reflect changes in V2 of Tool	B. Brown

Test Operator Jonathan Craig  
Date 3/17/17

## LZSS De-Commutation Tool Validation Procedure

1. Launch the LZSS Batch Processing tool by running Lzss\_processor.exe.
2. Open file\_locations.txt
3. Set the path in file\_locations.txt to the path of the files provided with this validation procedure using the instructions provided in the text file e.g. C:/GOES/Raw\_Files/OR\_SEIS\_L0\_G16\*.nc
4. Set the start time to 2015, 4, 14, 8, 39.
5. Click on the 'Other' Radio button.
6. Set the end time to 0, 35.
7. Click the done button.
8. Validate that the start time that is printed is '2015-04-14 08:39:00'. (P) F
9. Validate that the end time that is printed is '2015-04-14 09:14:00'. (P) F
10. Validate that the 'new log timestamp: ' reads 20150414\_0839 (P) F
11. Validate that the program prints out 'No dropped packets' (P) F
12. When the program has finished running the command prompt will read 'Completed'.
13. Navigate to C:/GOES/Processed\_Logs
14. Validate that a DPU telemetry file was created with the name  
DpuTelemetryLOG\_20140414\_0839.log (P) F
15. Open the DPU Telemetry file
16. Validate that the time stamp of the first second of the file matches the file name of the  
Telemetry file. (P) F
17. Verify that the file produced at the end of Step 12 match the files that were produced using V1  
of this tool. These files are provided in the directory Renamed\_Log\_Files. This comparison can  
be done with the comp command in a Windows command prompt
18. Open a command prompt, type comp and press Enter
19. When prompted, enter the DPU file created at the end of Step 12, and press Enter
20. When prompted, enter the DPU file created by V1 of this tool in the Renamed\_Log\_Files  
directory, and press Enter
21. When prompted for Options, press Enter
22. If the files are the same, the command prompt will read 'Files compare OK' (P) F
23. Repeat this process for all Telemetry files produced at the end of Step 12 and verify that all  
telemetry files match the files created in V1 of this tool
  - a. EHIS (P) F
  - b. MPSHI (P) F
  - c. MPSLO (P) F
  - d. SGPS1 (P) F
  - e. SPGS2 (P) F