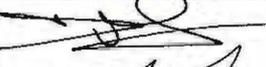
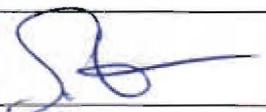


Test plan and report for BUFR conversion software

Doc.No. : EUM/JAS/REP/08/0013
Issue : v8
Date : 1 February 2010

EUMETSAT
Am Kavalleriesand 31, D-64295 Darmstadt, Germany
Tel: +49 6151 807-7
Fax: +49 6151 807 555 Telex: 419 320 metsat d
<http://www.eumetsat.int>

Document Signature Table

	Name	Function	Signature	Date
Prepared by:	Simon Elliott	Product Expert		2/2/10
Reviewed by:	D. Faucher	QAD Engineer		2/2/10
	H. Bonekamp	Jason 2 Mission Scientist		2/2/10
	R. Zarza	System Engineer		2/2/10
	J. Figa	Product Expert		2/2/10
Approved by:	S. Dieterle	Jason-2 Project Manager		2.2.2010.

Distribution List

Distribution list	
Name	No. of Copies
MED/RZ, MED/C/MTa, MED/C/VPr, QAD/DF, CCD/SDi, MET/HGB, MOD/SSE, MOD/JF	Electronic distribution to all via documentation management system (Hummingbird DM)

Document Change Record

Issue / Revision	Date	DCN. No	Changed Pages / Paragraphs
V1	17/03/08		Initial version
V2	02/04/08		Update reference to BUFR tables to refer to master table version 13, local table version 0. Add results of testing on NOAA-like platform. Change name of NOAA-like platform to dcom03
V2A	09/04/08		Update size of product after changing descriptor 0-10-084 to 0-10-101 in order to encode negative values.
V2B	17/04/08		Update expected output to be consistent with FIST version of 1.1.
V3	17/06/08		Update scope and output to be consistent with FIST version of 1.3.
V3A	25/06/08		Testing redone with update to Table D sequence 3-40-005 to use 0-25-097 rather than 0-25-090 for the orbit state flag. Real OGDR data from CNES used as now available post-launch.
V4	19/08/08		Specific testing performed to demonstrate correct functioning of upgrade fro AR 86 (robust handling of negative temperatures).
V5	14/11/08		Update scope and output to be consistent with FIST version of 1.5.
V6	26/11/08		Specific testing performed to demonstrate correct handling of revised global attribute values for "processing_center".
v7	06/07/09		Update scope and output to be consistent with FIST version of 1.7.
v7A	07/07/09		Update signature list.
v8	01/02/10		Update scope and output to be consistent with FIST version of 1.8.

Table of Contents

1	Introduction	5
1.1	Purpose and Scope	5
2	Testing Plan.....	6
2.1	Selection of testing scenarios.....	6
2.2	Testing environment	6
3	Test Reports	8
3.1	Command line argument processing, J2-FIST-NT-1-E	8
3.2	Command line argument processing, J2-FIST-NT-1-N.....	9
3.3	Nominal EUMETSAT OGDR data processing, J2-FIST-NT-2-E.....	11
3.4	Nominal EUMETSAT OGDR data processing, J2-FIST-NT-2-N	12
3.5	Nominal NOAA OGDR data processing, J2-FIST-NT-3-E	13
3.6	Nominal NOAA OGDR data processing, J2-FIST-NT-3-N.....	13
3.7	Nominal CNES IGDR data processing, J2-FIST-NT-4-E	14
3.8	Nominal CNES IGDR data processing, J2-FIST-NT-4-N.....	15
3.9	Missing BUFR tables, J2-FIST-CT-1-E	16
3.10	Missing BUFR tables, J2-FIST-CT-1-N.....	17
3.11	Incorrect file name, J2-FIST-CT-2-E	18
3.12	Incorrect file name, J2-FIST-CT-2-N	18
3.13	Corrupt input data, J2-FIST-CT-3-E	19
3.14	Corrupt input data, J2-FIST-CT-3-N.....	19
4	Summary of results	21
5	Conclusion	22

1 INTRODUCTION

1.1 Purpose and Scope

The objective of this document is to describe the testing of the JASON-2 OGDR BUFR conversion software (FIST), and to report the testing results.

Information about the conversion software, its design and installation can be found in the following document: “BUFR Formatting Software Specification, Design and User Documentation”, EUM/JAS/TEN/07/0012.

2 TESTING PLAN

2.1 Selection of testing scenarios

The following is a list of the scenarios selected to test the JASON-2 OGDR BUFR conversion software (once on EUMETSAT like platform and once on NOAA like platform):

- 1) **Command line argument processing (J2-FIST-NT-1-E and J2-FIST-NT-1-N).**
Each of the allowed command line arguments and one invalid command line argument are passed to FIST.
- 2) **Nominal EUMETSAT OGDR data processing (J2-FIST-NT-2-E and J2-FIST-NT-2-N).** A nominal OGDR data set produced in netCDF by EUMETSAT is passed to FIST and converted into BUFR.
- 3) **Nominal NOAA OGDR data processing (J2-FIST-NT-3-E and J2-FIST-NT-3-N).** A nominal OGDR data set produced in netCDF by NOAA is passed to FIST and converted into BUFR.
- 4) **Nominal CNES IGDR data processing (J2-FIST-NT-4-E and J2-FIST-NT-4-N).** A nominal IGDR data set produced in netCDF by CNES is passed to FIST and converted into BUFR.
- 5) **Missing BUFR tables (J2-FIST-CT-1-E and J2-FIST-CT-1-N).** An attempt is made to convert a nominal OGDR data set produced in netCDF into BUFR without the BUFR tables being available
- 6) **Incorrect file name (J2-FIST-CT-2-E and J2-FIST-CT-2-N).** An attempt is made to convert a nominal OGDR data set produced in netCDF into BUFR, when the file name of the data set does not comply with the relevant specification.
- 7) **Corrupt input data (J2-FIST-CT-3-E and J2-FIST-CT-3-N).** A corrupt data set is passed to FIST.

The test identifiers are of the form **J2-FIST-[test class]-[test index]-[test platform]** where

- **[test class]** is **NT** for nominal scenarios, **CT** for contingency scenarios and **AT** for auxiliary scenarios,
- **[test index]** is a sequential numerical index within each test class, and
- **[test platform]** is **E** for a EUMETSAT like platform such as dcom01 and **N** for a NOAA like platform such as dcom03.

2.2 Testing environment

Test Items:

- JASON-2 OGDR BUFR conversion software (FIST). The software reads netCDF OGDR data generated by the JASON-2 NRT system and converts them into BUFR products ready for distribution to the GTS/RMDCN, EUMETCast, UMARF, CLASS and the NOAA Server. The software also reads netCDF IGDR data and converts them into BUFR.

Input Specification:

The following input files are to be used:

- JA2_OPN_2PcS057_082_20100121_115402_20100121_132620 for **J2-FIST-NT-1-E, J2-FIST-NT-1-N, J2-FIST-NT-2-E, J2-FIST-NT-2-N, J2-FIST-CT-1-E, and J2-FIST-CT-1-N**
- JA2_OPN_2PcS057_079_20100121_095735_20100121_115402 for **J2-FIST-NT-3-E and J2-FIST-NT-3-N**
- JA2_IPN_2PcP057_025_20100119_062643_20100119_072256 for **J2-FIST-NT-4-E and J2-FIST-NT-4-N**
- JA1_IPN_2PcP146_228_20051231_201822_20051231_211422.nc (symbolic link to JA2_OPN_2PcS057_082_20100121_115402_20100121_132620) for **J2-FIST-CT-2-E and J2-FIST-CT-2-N**
- BUFR tables B, B0000000000000014000.TXT for all tests and specifically for **J2-FIST-CT-3-E and J2-FIST-CT-3-N**
- BUFR tables C, C0000000000000014000.TXT for all tests
- BUFR tables D, D0000000000000014000.TXT for all tests

Output Specification:

- Specific information as request according to command line arguments for **J2-FIST-NT-1-E and J2-FIST-NT-1-N**
- OGDR data in BUFR format in files named according to WMO file naming specification and as per NOAA file naming requirements for **J2-FIST-NT-2-E, J2-FIST-NT-2-N, J2-FIST-NT-3-E and J2-FIST-NT-3-N**
- IGDR data in BUFR format in files named according to WMO file naming specification and as per NOAA file naming requirements for **J2-FIST-NT-4-E and J2-FIST-NT-4-N**
- No output for **J2-FIST-CT-1-E, J2-FIST-CT-1-N, J2-FIST-CT-2-E, J2-FIST-CT-2-N, J2-FIST-CT-3-E and J2-FIST-CT-3-N**

Environmental Needs:

- The tests should each be performed on a platform representative of the EUMETSAT processing environment (dcom01) and of the NOAA processing environment (dcom03)
- Software: In addition to the standard operating system libraries and the FIST application, and installation of the netCDF library is required. This is described in EUM/JAS/TEN/07/0012.

3 TEST REPORTS

3.1 Command line argument processing, J2-FIST-NT-1-E

Environment:

Test to be run on EUMETSAT like host, dcomo01

Test cases:

I) Command line argument `--wmo-file-name` produces expected output

Entering at the command prompt the following:

```
J2_OGDR_to_BUFR --wmo-file-name  
JA2_OPN_2PcS057_082_20100121_115402_20100121_132620
```

should produce an output of:

```
W_XX-EUMETSAT-  
Darmstadt,SURFACE+SATELLITE,JASON2+OGDR_C_EUMS_20100121135313_  
c_057_082_20100121132620.bin
```

at the console, and create no output file.

Result – *test passed*

II) Command line argument `--fist-version` produces expected output

Entering at the command prompt the following:

```
J2_OGDR_to_BUFR --fist-version
```

should produce an output of:

```
1.8
```

at the console, and create no output file.

Result – *test passed*

III) Command line argument `--bufr-table-versions` produces expected output

Entering at the command prompt the following:

```
J2_OGDR_to_BUFR --bufr-table-versions
```

should produce an output of:

14.0

at the console, and create no output file.

Result – *test passed*

IV) Command line argument `--ecmwf-library-version` produces expected output

Entering at the command prompt the following:

```
J2_OGDR_to_BUFR --ecmwf-library-version
```

should produce an output of:

380

at the console, and create no output file.

Result – *test passed*

V) Command line argument `--go-eagles` produces expected output

Entering at the command prompt the following:

```
J2_OGDR_to_BUFR --go-eagles
```

should produce no output.

The following text should be found in the relevant syslog (currently `/var/log/debug`):
`siParseInputFileName failed with status: -301`

Result – *test passed*

3.2 Command line argument processing, J2-FIST-NT-1-N

Environment:

Test to be run on NOAA like host, dcomo03

Test cases:

I) Command line argument `--wmo-file-name` produces expected output

Entering at the command prompt the following:

```
J2_OGDR_to_BUFR --wmo-file-name  
JA2_OPN_2PcS057_082_20100121_115402_20100121_132620
```

should produce an output of:

W_XX-EUMETSAT-
Darmstadt,SURFACE+SATELLITE,JASON2+OGDR_C_EUMS_20100121135313_
c_057_082_20100121132620.bin

at the console, and create no output file.

Result – *test passed*

II) Command line argument `--fist-version` produces expected output

Entering at the command prompt the following:

```
J2_OGDR_to_BUFR --fist-version
```

should produce an output of:

1.8

at the console, and create no output file.

Result – *test passed*

III) Command line argument `--bufr-table-versions` produces expected output

Entering at the command prompt the following:

```
J2_OGDR_to_BUFR --bufr-table-versions
```

should produce an output of:

14.0

at the console, and create no output file.

Result – *test passed*

IV) Command line argument `--ecmwf-library-version` produces expected output

Entering at the command prompt the following:

```
J2_OGDR_to_BUFR --ecmwf-library-version
```

should produce an output of:

380

at the console, and create no output file.

Result – *test passed*

V) Command line argument `--go-eagles` produces expected output

Entering at the command prompt the following:

```
J2_OGDR_to_BUFR --go-eagles
```

should produce no output.

The following text should be found in the relevant syslog (currently `/var/log/debug`):
`siParseInputFileName failed with status: -301`

Result – *test passed*

3.3 Nominal EUMETSAT OGDR data processing, J2-FIST-NT-2-E

Environment:

Test to be run on EUMETSAT like host, `dcomo01`

Test cases:

1) Encoding of nominal OGDR data from EUMETSAT produces expected output

Entering at the command prompt the following:

```
J2_OGDR_to_BUFR  
JA2_OPN_2PcS057_082_20100121_115402_20100121_132620
```

should produce two output files called

```
W_XX-EUMETSAT-  
Darmstadt,SURFACE+SATELLITE,JASON2+OGDR_C_EUMS_20100121135313_  
c_057_082_20100121132620.bin
```

and

```
JA2_OPB_2PcS057_082_20100121_115402_20100121_132620
```

These should be identical and of size 471330 bytes. Each file should contain 8 BUFR bulletins, which can be extracted and decoded offline for comparison with the original netCDF OGDR data as required

The following text should be found in the relevant syslog (currently `/var/log/debug`):
NetCDF file name:
`JA2_OPN_2PcS057_082_20100121_115402_20100121_132620`

WMO file name: W_XX-EUMETSAT-
Darmstadt,SURFACE+SATELLITE,JASON2+OGDR_C_EUMS_20100121135313_
c_057_082_20100121132620.bin

NetCDF to BUFR translation completed nominally

Result – *test passed*

3.4 Nominal EUMETSAT OGDR data processing, J2-FIST-NT-2-N

Environment:

Test to be run on NOAA like host, dcom03

Test cases:

1) Encoding of nominal OGDR data from EUMETSAT produces expected output

Entering at the command prompt the following:

```
J2_OGDR_to_BUFR  
JA2_OPN_2PcS057_082_20100121_115402_20100121_132620
```

should produce two output files called

```
W_XX-EUMETSAT-  
Darmstadt,SURFACE+SATELLITE,JASON2+OGDR_C_EUMS_20100121135313_  
c_057_082_20100121132620.bin
```

and

```
JA2_OPB_2PcS057_082_20100121_115402_20100121_132620
```

These should be identical and of size 471330 bytes. Each file should contain 8 BUFR bulletins, which can be extracted and decoded offline for comparison with the original netCDF OGDR data as required

The following text should be found in the relevant syslog (currently /var/log/debug):

NetCDF file name:

```
JA2_OPN_2PcS057_082_20100121_115402_20100121_132620
```

```
WMO file name: W_XX-EUMETSAT-  
Darmstadt,SURFACE+SATELLITE,JASON2+OGDR_C_EUMS_20100121135313_  
c_057_082_20100121132620.bin
```

NetCDF to BUFR translation completed nominally

Result – *test passed*

3.5 Nominal NOAA OGDR data processing, J2-FIST-NT-3-E

Environment:

Test to be run on EUMETSAT like host, dcomo01

Test cases:

1) Encoding of nominal OGDR data from NOAA produces expected output

Entering at the command prompt the following:

```
J2_OGDR_to_BUFR  
JA2_OPN_2PcS057_079_20100121_095735_20100121_115402
```

should produce two output files called

```
W_US-NOAA-  
Washington,SURFACE+SATELLITE,JASON2+OGDR_C_KNES_20100121122512  
_c_057_079_20100121115402.bin
```

and

```
JA2_OPB_2PcS057_079_20100121_095735_20100121_115402
```

These should be identical and of size 548287 bytes. Each file should contain 9 BUFR bulletins, which can be extracted and decoded offline for comparison with the original netCDF OGDR data as required

The following text should be found in the relevant syslog (currently /var/log/debug):

NetCDF file name:

```
JA2_OPN_2PcS057_079_20100121_095735_20100121_115402
```

WMO file name: W_US-NOAA-

```
Washington,SURFACE+SATELLITE,JASON2+OGDR_C_KNES_20100121122512  
_c_057_079_20100121115402.bin
```

NetCDF to BUFR translation completed nominally

Result – *test passed*

3.6 Nominal NOAA OGDR data processing, J2-FIST-NT-3-N

Environment:

Test to be run on NOAA like host, dcomo03

Test cases:

1) Encoding of nominal OGDR data from NOAA produces expected output

Entering at the command prompt the following:

```
J2_OGDR_to_BUFR  
JA2_OPN_2PcS057_079_20100121_095735_20100121_115402
```

should produce two output files called

```
W_US-NOAA-  
Washington,SURFACE+SATELLITE,JASON2+OGDR_C_KNES_20100121122512  
_c_057_079_20100121115402.bin
```

and

```
JA2_OPB_2PcS057_079_20100121_095735_20100121_115402
```

These should be identical and of size 548287 bytes. Each file should contain 9 BUFR bulletins, which can be extracted and decoded offline for comparison with the original netCDF OGDR data as required

The following text should be found in the relevant syslog (currently /var/log/debug):

NetCDF file name:

```
JA2_OPN_2PcS057_079_20100121_095735_20100121_115402
```

WMO file name: W_US-NOAA-

```
Washington,SURFACE+SATELLITE,JASON2+OGDR_C_KNES_20100121122512  
_c_057_079_20100121115402.bin
```

```
NetCDF to BUFR translation completed nominally
```

Result – *test passed*

3.7 Nominal CNES IGDR data processing, J2-FIST-NT-4-E

Environment:

Test to be run on EUMETSAT like host, dcomo01

Test cases:

1) Encoding of nominal IGDR data from CNES produces expected output

Entering at the command prompt the following:

```
J2_OGDR_to_BUFR  
JA2_IPN_2PcP057_025_20100119_062643_20100119_072256
```

should produce two output files called

W_FR-CNES-
Toulouse,SURFACE+SATELLITE,JASON2+IGDR_C_LFPW_20100121123133_c
_057_025_20100119072256.bin

and

JA2_IPB_2PcP057_025_20100119_062643_20100119_072256

These should be identical and of size 294393 bytes. Each file should contain 5 BUFR bulletins, which can be extracted and decoded offline for comparison with the original netCDF IGDR data as required

The following text should be found in the relevant syslog (currently /var/log/debug):

NetCDF file name:

JA2_IPN_2PcP057_025_20100119_062643_20100119_072256

WMO file name: W_FR-CNES-

Toulouse,SURFACE+SATELLITE,JASON2+IGDR_C_LFPW_20100121123133_c
_057_025_20100119072256.bin

NetCDF to BUFR translation completed nominally

Result – test passed

3.8 Nominal CNES IGDR data processing, J2-FIST-NT-4-N

Environment:

Test to be run on NOAA like host, dcom03

Test cases:

1) Encoding of nominal IGDR data from CNES produces expected output

Entering at the command prompt the following:

```
J2_OGDR_to_BUFR
```

```
JA2_IPN_2PcP057_025_20100119_062643_20100119_072256
```

should produce two output files called

W_FR-CNES-

Toulouse,SURFACE+SATELLITE,JASON2+IGDR_C_LFPW_20100121123133_c
_057_025_20100119072256.bin

and

JA2_IPB_2PcP057_025_20100119_062643_20100119_072256

These should be identical and of size 294393 bytes. Each file should contain 5 BUFR bulletins, which can be extracted and decoded offline for comparison with the original netCDF IGDR data as required

The following text should be found in the relevant syslog (currently /var/log/debug):

NetCDF file name:

```
JA2_IPN_2PcP057_025_20100119_062643_20100119_072256
```

WMO file name: W_FR-CNES-

```
Toulouse,SURFACE+SATELLITE,JASON2+IGDR_C_LFPW_20100121123133_c_057_025_20100119072256.bin
```

```
NetCDF to BUFR translation completed nominally
```

Result – *test passed*

3.9 Missing BUFR tables, J2-FIST-CT-1-E

Environment:

Test to be run on EUMETSAT like host, dcomo01

Test cases:

1) Encoding of nominal OGDR data from EUMETSAT produces expected output

The environment variable BUFR_TABLES should be set temporarily to point to a directory in which the BUFR tables aren't. In C shell this would be achieved by typing, for example:

```
setenv BUFR_TABLES /tmp/
```

Entering at the command prompt the following:

```
J2_OGDR_to_BUFR
```

```
JA2_OPN_2PcS057_082_20100121_115402_20100121_132620
```

should produce one output file called

WMO file name: W_XX-EUMETSAT-

```
Darmstadt,SURFACE+SATELLITE,JASON2+OGDR_C_EUMS_20100121135313_c_057_082_20100121132620.bin
```

This should be of size 0 bytes. The ECMWF software may report the following error message:

```
open error on /tmp/B0000000000000014000.TXT
```

After this test, the environment variable BUFR_TABLES should be set back to its nominal value.

The following text should be found in the relevant syslog (currently /var/log/debug):

NetCDF file name:

```
JA2_OPN_2PcS057_082_20100121_115402_20100121_132620
```

WMO file name: W_XX-EUMETSAT-

```
Darmstadt,SURFACE+SATELLITE,JASON2+OGDR_C_EUMS_20100121135313_  
c_057_082_20100121132620.bin
```

BUFREN failed with error code KERR = 61

Result – test passed

3.10 Missing BUFR tables, J2-FIST-CT-1-N

Environment:

Test to be run on NOAA like host, dcomo03

Test cases:

1) Encoding of nominal OGDR data from EUMETSAT produces expected output

The environment variable BUFR_TABLES should be set temporarily to point to a directory in which the BUFR tables aren't. In C shell this would be achieved by typing, for example:

```
setenv BUFR_TABLES /tmp/
```

Entering at the command prompt the following:

```
J2_OGDR_to_BUFR
```

```
JA2_OPN_2PcS057_082_20100121_115402_20100121_132620
```

should produce one output file called

WMO file name: W_XX-EUMETSAT-

```
Darmstadt,SURFACE+SATELLITE,JASON2+OGDR_C_EUMS_20100121135313_  
c_057_082_20100121132620.bin
```

This should be of size 0 bytes. The ECMWF software may report the following error message:

```
open error on /tmp/B0000000000000014000.TXT
```

After this test, the environment variable BUFR_TABLES should be set back to its nominal value.

The following text should be found in the relevant syslog (currently /var/log/debug):

NetCDF file name:

JA2_OPN_2PcS057_082_20100121_115402_20100121_132620

WMO file name: W_XX-EUMETSAT-

Darmstadt,SURFACE+SATELLITE,JASON2+OGDR_C_EUMS_20100121135313_
c_057_082_20100121132620.bin

BUFREN failed with error code KERR = 61

Result – *test passed*

3.11 Incorrect file name, J2-FIST-CT-2-E

Environment:

Test to be run on EUMETSAT like host, dcomo01

Test cases:

1) Encoding of nominal OGDR data with invalid file name produces no output

For the purposes of testing a valid file containing OGDR data is used as a wrongly named OGDR file. Entering at the command prompt the following:

```
J2_OGDR_to_BUFR  
JA1_IPN_2PcP146_228_20051231_201822_20051231_211422.nc
```

should produce no output.

The following text should be found in the relevant syslog (currently /var/log/debug):
siParseInputFileName failed with status: -303

Result – *test passed*

3.12 Incorrect file name, J2-FIST-CT-2-N

Environment:

Test to be run on NOAA like host, dcomo03

Test cases:

1) Encoding of nominal OGDR data with invalid file name produces no output

For the purposes of testing a valid file containing OGDR data is used as a wrongly named OGDR file Entering at the command prompt the following:

```
J2_OGDR_to_BUFR  
JA1_IPN_2PcP146_228_20051231_201822_20051231_211422.nc
```

should produce no output.

The following text should be found in the relevant syslog (currently /var/log/debug):
siParseInputFileName failed with status: -303

Result – *test passed*

3.13 Corrupt input data, J2-FIST-CT-3-E

Environment:

Test to be run on EUMETSAT like host, dcomo01

Test cases:

1) Encoding of corrupt/invalid data with valid file name produces no output

In order to provide some data which are not in a valid netCDF format, any other file can be used (such as the BUFR table B). A symbolic link called:

```
JA2_OPN_2PaS164_234_20060628_140000_20060628_155959
```

should then be made to this file. Entering at the command prompt the following:

```
J2_OGDR_to_BUFR  
JA2_OPN_2PaS164_234_20060628_140000_20060628_155959
```

should produce no output other than an error from the netCDF library stating:

```
Error: NetCDF: Unknown file format
```

The following text should be found in the relevant syslog (currently /var/log/debug):
NetCDF file name:
JA2_OPN_2PaS164_234_20060628_140000_20060628_155959

Result – *test passed*

3.14 Corrupt input data, J2-FIST-CT-3-N

Environment:

Test to be run on NOAA like host, dcomo03

Test cases:

1) Encoding of corrupt/invalid data with valid file name produces no output

In order to provide some data which are not in a valid netCDF format, any other file can be used (such as the BUFR table B). A symbolic link called:

JA2_OPN_2PaS164_234_20060628_140000_20060628_155959

should then be made to this file. Entering at the command prompt the following:

```
J2_OGDR_to_BUFR
```

```
JA2_OPN_2PaS164_234_20060628_140000_20060628_155959
```

should produce no output other than an error from the netCDF library stating:

```
Error: NetCDF: Unknown file format
```

The following text should be found in the relevant syslog (currently /var/log/debug):

NetCDF file name:

```
JA2_OPN_2PaS164_234_20060628_140000_20060628_155959
```

Result – *test passed*

4 SUMMARY OF RESULTS

The following table summarises the results of the tests performed.

Test identifier	Test case	Result
J2-FIST-NT-1-E	Command line argument processing (EUMETSAT), case I	PASS
	Command line argument processing (EUMETSAT), case II	PASS
	Command line argument processing (EUMETSAT), case III	PASS
	Command line argument processing (EUMETSAT), case IV	PASS
	Command line argument processing (EUMETSAT), case V	PASS
J2-FIST-NT-1-N	Command line argument processing (NOAA), case I	PASS
	Command line argument processing (NOAA), case II	PASS
	Command line argument processing (NOAA), case III	PASS
	Command line argument processing (NOAA), case IV	PASS
	Command line argument processing (NOAA), case V	PASS
J2-FIST-NT-2-E	Nominal EUMETSAT OGDR data processing (EUMETSAT)	PASS
J2-FIST-NT-2-N	Nominal EUMETSAT OGDR data processing (NOAA)	PASS
J2-FIST-NT-3-E	Nominal NOAA OGDR data processing (EUMETSAT)	PASS
J2-FIST-NT-3-N	Nominal NOAA OGDR data processing (NOAA)	PASS
J2-FIST-NT-4-E	Nominal CNES IGDR data processing (EUMETSAT)	PASS
J2-FIST-NT-4-N	Nominal CNES IGDR data processing (NOAA)	PASS
J2-FIST-CT-1-E	Missing BUFR tables (EUMETSAT)	PASS
J2-FIST-CT-1-N	Missing BUFR tables (NOAA)	PASS
J2-FIST-CT-2-E	Incorrect file name (EUMETSAT)	PASS
J2-FIST-CT-2-N	Incorrect file name (NOAA)	PASS
J2-FIST-CT-3-E	Corrupt input data (EUMETSAT)	PASS
J2-FIST-CT-3-N	Corrupt input data (NOAA)	PASS

5 CONCLUSION

All tests executed on EUMETSAT like hardware, dcomo01, have been successfully executed.

All tests executed on NOAA like hardware, dcomo03, have been successfully executed.