

# ***Jason 2 BUFR Conversion Software Release Note***

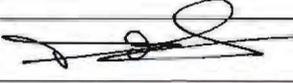
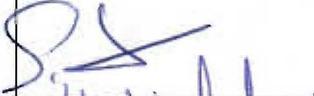
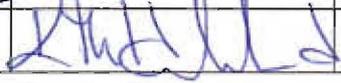
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## Document Change Record

<b>Issue / Revision</b>	<b>Date</b>	<b>DCN. No</b>	<b>Changed Pages / Paragraphs</b>
v1	26 June 2008		New template – Content based on EUM/JAS/DN/08/0027
v2	20 August 2008		New issue for JASON2 FIST version 1.4, which deals with EUM/JASON2/AR/86 (negative temperatures from TM-NRT)
v3	21 August 2008		New issue for JASON2 FIST version 1.4, which now also deals with EUM/JASON2/AR/93 (wrong frequency indication for tb_187)
v4	14 November 2008		New issue for JASON2 FIST version 1.5, which now also deals with EUM/JASON2/AR/97 (non SI units for water vapour content), EUM/JASON2/AR/102 (longitude range should be -180 to +180), EUM/JASON2/AR/103 (bit ordering in setting of flags), and J2_ECP_5 (update for Products Specification version 2.3)
v5	26 November 2008		New issue for JASON2 FIST version 1.6, which now deals correctly with revised global attribute values for “processing_center” in the netCDF OGDR data. This work is part of J2_ECP_5 (update for Products Specification version 2.3)
v6	6 July 2009		New issue for JASON2 FIST version 1.7, which includes updates for EUM/JASON2/AR/131 (fill values for orb_alt_rate wrongly handled), EUM/JASON2/AR/134 (hf_fluctuations_corr not encoded in BUFR), and EUM/JASON2/AR/136 (some fill values in netCDF are wrongly encoded as nominal values in BUFR)
v6A	7 July 2009		Fix small typo; “disclailer” becomes “disclaimer”.
v6B	15 July 2009		Fix small typo; In Other Issues, “EUM/JASON2/AR/134” corrected to be “EUM/JASON2/AR/135”.  Susanne Dieterle added to signature list.
v7	1 February 2010		New issue for JASON2 FIST version 1.8, which includes updates for EUM/JASON2/AR/130 (country designator in file name should be in upper case), EUM/JASON2/AR/143 (occasional insertion of unneeded padding bytes in BUFR data) and EUM/JASON2/AR/160 (BUFR encoding should use new sequence and include additional variables such as sea surface height anomaly)

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## **1 INTRODUCTION**

### **1.1 Purpose and Scope**

The software used to reformat the JASON2 OGDR data from netCDF to BUFR is an instance of FIST (Format Interface Set of Tools).

The purpose of this document is to identify how the products identified below have been manufactured, processed, inspected, and tested in accordance with all requirements defined on the referenced attached documents.

### **1.2 Document Structure**

Section 2: Software Product identification  
Section 3: Documentation  
Section 4: Other issues  
Section 5: Freeware Licence Disclaimer

## **2 SOFTWARE PRODUCT IDENTIFICATION**

- Software name: Jason 2 FIST
- Version / revision: v1.8 (subversion revision 17)

## **3 DOCUMENTATION**

- Specification: EUM/JAS/TEN/07/0012
- Integration and Test report: EUM/JAS/REP/08/0013
- Installation Manual: EUM/JAS/TEN/07/0012

## **4 OTHER ISSUES**

The user attention is drawn to the following points:

- i. This version of the software closes AR 130 (concerning the country indicator in the output file names needing to be in upper case), AR 143 (updating BUFR library to remove occasional unneeded padding bytes) and AR 160 (the modification of the BUFR encoding to include additional information including the sea surface height anomaly).
- ii. There are no other open related anomalies or non-conformances.

## **5 FREWARE LICENCE DISCLAIMER**

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