

|  |  |  |                               |                            |   |
|--|--|--|-------------------------------|----------------------------|---|
| <b>RN reference:</b><br>(RN_00X)                                       | RN_009                                 | <b>Completed by:</b>   | Theresa Lang                  | <b>Date:</b>               | 2019-02-14                                |
| <b>Code identification</b><br>(MMS, FCDRs, tools, Harmonisation, CDRs) | UTH CDR                                | <b>Type of release:</b><br><b>major minor</b>  | Version 1.2,<br>Major release | <b>Reason for release:</b> | Second release of UTH CDR from MW sensors |
| <b>Reference of new version of code:</b>                               |  | Generated with create_CDR_year.py  |                               |                            |   |
| <b>File name</b>   |  | <b>Naming convention CDR</b><br>FIDUCEO_CDR_[data type]_[sensor]_[sat]_[starttime]_[endtime]_[product type]_[processor_version]_[format_version].nc<br><br><i>Example name CDR</i><br>FIDUCEO_CDR_UTH_MHS_NOAA18_20151201000000_20151231235959_L3_v1_2_fv2.0.0.nc<br><br>Data produced from this code is at:<br><a href="https://catalogue.ceda.ac.uk/uuid/2083b33b5c3d4cf0acb9a49226789caa">https://catalogue.ceda.ac.uk/uuid/2083b33b5c3d4cf0acb9a49226789caa</a>    |                               |                            |   |
| <b>Git repository</b>  |  | <a href="https://github.com/FIDUCEO/CDR_UTH/tree/master/processing">https://github.com/FIDUCEO/CDR_UTH/tree/master/processing</a>  |                               |                            |   |
| <b>Gittrack fixed issues:</b>  |  | N/A  |                               |                            |   |
| <b>New features:</b>   |  | New features with respect to CDR Version 1.1: <ul style="list-style-type: none"> <li>- Fixed bug that resulted in structured uncertainties that are generally zero</li> </ul> New features with respect to first CDR prototype release: <ul style="list-style-type: none"> <li>- Complete data available (F11,12,14,15,NOAA15-19, MetopA and -B)</li> <li>- New variables: Unfiltered brightness temperatures (BT_full) and the corresponding uncertainties</li> </ul> |                               |                            |   |
| <b>Other aux files needed.</b>   |  | N/A  |                               |                            |   |
| <b>FCDR:</b>   | <b>FCDRs: List of sensors</b>          | MHS, AMSU-B, SSMT-2 (satellites: F11, F12, F14, F15, NOAA-15, NOAA-16, NOAA-17, NOAA-18, NOAA-19, Metop-A, Metop-B)  |                               |                            |   |
|  | <b>FCDRs: Time range</b>               | 07/1994 – 12/2017  |                               |                            |   |
|  | <b>FCDR data source. Eg NOAA-CLASS</b> | L1B from NOAA CLASS  |                               |                            |   |
| <b>CDR:</b>  | <b>FCDR source file(s) and version</b> | FIDUCEO Microwave Easy FCDR Version 4.1  |                               |                            |   |
| <b>Total number of files in sensor subdirectories:</b>                 |  | Total: 1021<br>/SSMT-2/F11: 10<br>/SSMT-2/F12: 70<br>/SSMT-2/F14: 94<br>/SSMT-2/F15: 61<br>/AMSUB/NOAA15: 141  |                               |                            |   |

|   |   |
|---|---|
|   | /AMSUB/NOAA16: 125<br>/AMSUB/NOAA17: 87<br>/MHS/NOAA18: 149<br>/MHS/NOAA19: 98<br>/MHS/METOPA: 126<br>/MHS/METOPB: 60   |
| <b>Total size and average file size</b> | Total size: 4.0 GB, average file size: 3.9MB  |
| <b>Items to be updated:</b>             |   |
| - <b>Documentation, (PUG)</b>           | FIDUCEO Product user guide – UTH CDR from microwave sounders Release 1.0  |
| - <b>Cookbook Guides</b>                | On website  |
| - <b>Website</b>                        | <a href="http://www.fiduceo.eu/">http://www.fiduceo.eu/</a><br>or <a href="https://research.reading.ac.uk/fiduceo/">https://research.reading.ac.uk/fiduceo/</a> |
| - <b>Other</b>                          | N/A   |
| <b>Code reviewed by:</b>                | Internal  |
| <b>Release note reviewed by:</b>        | UREAD   |