



Our ref.: 20717/2024/I/DIM/BUFR

17 January 2025

Subject: Once per month reporting of daily summary reports and the revised Binary Universal Form for data Representation (BUFR) sequence in support of global climate monitoring

Action required: To implement and participate in the production and international exchange of the daily summary reports

Dear Sir/Madam,

I wish to refer to the [Annex to Resolution 30 \(Cg-19\)](#) and the WMO/National Meteorological and Hydrological Services (NHMS) Supplement to the 2022 Global Climate Observing System (GCOS) Implementation Plan, specifically actions B2 (Development and implementation of the Global Basic Observing Network (GBON)) and F1 (Responding to user needs for higher resolution, near-real-time data). Both actions call for the exchange of daily summary reports monthly, supplementing the monthly CLIMAT reports and on the same schedule.

In support of the GCOS Actions, the [Manual on the WMO Integrated Global Observing System](#) (WMO-No. 1160) has recently been updated to include a new recommended practice on the exchange of the daily summary reports ([Appendix 5.1, provision 5.1.14](#)). Additionally, following a trial phase, a new BUFR sequence (BUFR Table D, sequence 307075) has been developed for the exchange of this data. This new sequence includes additional metadata on the instrumentation and calculation of the summary values, and improved definition of the 24-hour period over which the summaries have been made.

Noting the importance of the data, I kindly invite you to implement and participate in the production and international exchange of the daily summary reports, both on the Global Telecommunication System (GTS) and WIS2.0. The characters **T1T2A1** and **ii** from the abbreviated headings remain unchanged from the previous trial phase at T1T2 = IS, A1 = C and ii = 60. To enable exchange over the WIS2.0 a new topic has been created:

origin/a/wis2/<centre-id>/data/recommended/climate/surface-based-observations/daily

For questions, clarifications, and advice on encoding to BUFR and exchanging the data over the GTS/WIS2.0 please send correspondence to [wis@wmo.int](mailto:wis@wmo.int).

Finally, I would like to take this opportunity to thank you for your continued contribution to WMO activities.

Yours faithfully,

Ms Ko Barrett  
for the Secretary-General

To: Permanent Representatives of Members with WMO  
cc: Hydrological Advisers