

28 July 2016

Global Environment and Marine Department
Japan Meteorological Agency

Impact of snow depth analysis bugs on the JRA-55 product for the period from 2015 to 2016

Related documents: JMA's reports of 18 December 2015 and 18 May 2016

An initial report issued on 18 December 2015 followed by a second report released on 18 May 2016 outlined the causes of bugs in JRA-55 snow depth analysis and the results of investigation regarding related impacts on the JRA-55 product for the period up to 2014. In the wake of an investigation regarding impacts for the period from 2015 onward, this report provides updates on Section 1 of the initial report (Areas and periods shown with unrealistically deep snow) and numerical information provided in the second report.

The debugged system was launched on 13 April 2016, but the impacts of the bugs persisted until June 2016. Users are advised to check the supplement and the numerical information provided in order to determine potential impacts. The JRA-55 product for the period from July 2016 onward is not affected by the bugs.

JMA sincerely apologizes for any inconvenience caused by the problem.

Questions regarding this matter can be directed to jra@met.kishou.go.jp.

- Supplement
 - Areas and periods shown with unrealistically deep snow (1958 – 2016):
[quality_issues_20160728_supp_en.pdf](#)
(This supplement is an update of Section 1 of the initial report, which incorporates the results of investigation for the period from 2015 onward as well as corrections announced in the second report regarding the results of investigation for the period up to 2014. Changes are indicated in red.)
- Numerical information
 - List of areas and periods shown with unrealistically deep snow:
[JRA-55_snow_bugs_list1_update_en.txt](#)
 - Masking data for reference in determining grid points and periods affected by the bugs:

JRA-55_mask_update_en.zip

(These files are updates of the numerical information provided in the second report, which incorporates the results of investigation for the period from 2015 onward. The information for the period up to 2014 is unchanged.)