

Reply to table update

Dear editors,

Thank you for your insight comments and suggestions. We hope to modify the table 1 as missing some informing. The detailed corrections are listed:

Question: There is the question about “TS1 Is something missing here?” in the first proofreading: [essd-2018-150-typeset_manuscript-version2.pdf](#)

Table 1. Coverage and spatio-temporal resolutions of major satellite precipitation datasets.

Product	Temporal resolution	Spatial resolution	Period	Coverage
TRMM 3B42-RT	3-hourly	0.25°	1998–present	50° S–50° N
CMORPH	0.5-hourly/3-hourly/daily	8 km/0.25°	1998–	60° S–60° N
PERSIANN-CDR	daily	0.25°	1983–(delayed) present	60° S–60° N
GsMaP-NRT	Hourly	0.01°	2007	60° S–60° N
GsMaP-MVK	Hourly	0.01°	2000	60° S–60° N
GPM	0.5-hourly/hourly/ 3-hourly/daily/3 d/ 7 d/monthly	0.1°/0.25°/0.05°/5°	2014–present	60° S–60° N 70° N–70° S 90° N–90° S
MSWEP	3-hourly/daily/monthly	0.1°	1979–2017	90° N–90° S
CHIRPS	Daily/pentad/decad/ Monthly/annual	0.05°/0.25°	1981–present	50° S–50° N

Reply to editors: We have modified the Table 1 with red color:

Table 1. Coverage and spatio-temporal resolutions of major satellite precipitation datasets.

Product	Temporal resolution	Spatial resolution	Period	Coverage
TRMM 3B42-RT	3-hourly	0.25°	1998-present	50°S-50°N
CMORPH	0.5-hourly/3-hourly/daily	8 km/0.25°	1998-2017	60°S-60°N
PERSIANN-CDR	Daily	0.25°	1983-(delayed) present	60°S-60°N
GsMaP-NRT	Hourly	0.01°	2000-present	60°S-60°N
GsMaP-MVK	Hourly	0.01°	2000-2010/2014-present	60°S-60°N
GPM	0.5-hourly/hourly/ 3-hourly/daily/3 d/ 7 d/monthly	0.1°/0.25°/0.05°/5°	2014-present	60°S-60°N 70°N-70°S 90°N-90°S
MSWEP	3-hourly/daily/monthly	0.1°	1979-2017	90°N-90°S
CHIRPS	Daily/pentad/decad/ Monthly/Annual	0.05°/0.25°	1981-present	50°S-50°N

(1) Changed the period of CMORPH from “1998-” to “1998-2017”.

In previous, we missed the period of CMORPH dataset. The CMORPH data is indeed covering the period 1998-2017, according to the informing from UCAR: <https://rda.ucar.edu/datasets/ds502.3/> (last access: 5 November 2019).

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NOAA CPC Morphing Method (CMORPH) Global Precipitation Analyses, Version 1.0 (0.25 degree, 3-hourly resolution)
ds502.3 | DOI: 10.5065/B4B7-KB23

For assistance, contact Thomas Cram (303-497-1217).

[Description](#) [Data Access](#) [Metrics](#)

Help with this page: [RDA dataset description page video tour](#)

Data Citations: 0 This dataset has been cited 0 times.

Abstract: **NOTE: This data is still under beta release by NOAA/CPC. Users wishing to use a stable release are advised to access the CMORPH version 0.x data from RDA dataset ds502.1.**

This dataset contains version 1.0 of the NOAA CPC MORPHING technique (CMORPH) global precipitation analyses covering the period January 1998-present at 0.25 degree, 3-hourly resolution.

Temporal Range: 1998-01-01 00:00 +0000 to 2017-07-31 21:00 +0000 (Entire dataset)
[Period details by dataset product](#)

Updates: Daily

Variables: [Precipitation Amount](#) [Precipitation Rate](#)
[Variables by dataset product](#)

Vertical Levels: See the detailed [metadata](#) for level information

Data Types: Grid

Spatial Coverage: Longitude Range: Westernmost=180W Easternmost=180E
Latitude Range: Southernmost=59.875S Northernmost=59.875N
[Detailed coverage information](#)

(2) Changed the temporal resolution of PERSIANN-CDR from “daily” to “Daily”. We capitalized the first letter.

(3) (4) Changed the period of GsMaP-NRT from “2007” to “2000-present” and Changed the period of GsMaP-MVK from “2000” to “2000-present”.

In previous, we missed the periods of GsMaP-NRT and GsMaP-MVK datasets, and we took the start date of GsMaP-NRT incorrectly. After confirmation, the period of GsMaP-NRT is from 2000 to present, and the period of GsMaP-MVK is from 2000 to 2010 and from 2014 to present, which can be referred from JAXA Global Rainfall Watch: https://sharaku.eorc.jaxa.jp/GSMaP/faq/GSMaP_faq01.html (last access: 5 November 2019).

		v5	realtime_ver/v5/hourly realtime_ver/v5/daily	2008/10/10 to 2014/9/2	
			realtime_ver/v5/daily0.1	2014/1/1 to 2014/9/2	
			realtime/latest realtime_ver/v6/latest	Latest 24 hours	"realtime" and "realtime_ver/v6" are the same data.
GsMaP_NRT	Near-Realtime	v6	realtime_ver/v6/archive realtime_ver/v6/hourly realtime_ver/v6/daily realtime_ver/v6/daily0.1	2000/3/1 to present	"realtime_ver/v6/archive" and "realtime_ver/v6/hourly" are the same data.
		v7	realtime_ver/v7/latest realtime_ver/v7/archive realtime_ver/v7/hourly realtime_ver/v7/daily realtime_ver/v7/daily0.1	Latest 24 hours 2017/1/17 to present	"realtime_ver/v7/archive" and "realtime_ver/v7/hourly" are the same data.
GsMaP_MVK	Standard	v5	standard/v5/hourly standard/v5/daily	2000/3/1 to 2010/11/30	
		v6	standard/v6/hourly standard/v6/daily	2014/3/1 to present	
		v7	standard/v7/hourly standard/v7/daily	2014/3/1 to present	