

Format Conversion Tool

Operation Manual for Users

Appendix A

Ver. 3.1

21/7/2017

Changes and status paragraphs

Revision	Date	Modified or added paragraphs	Reason for change
1.0	10/03/2016	Creation	-
2.0	26/11/2016	-	Moved Section 8.1 to Appendix A.
3.0	20/6/2017	1.1	Wrote “DPR Daily L3” KuNS product which is outputted.
3.1	21/7/2017	-	We have released the data format conversion tool v3.1 to solve a bug of memory leak in trying GSMap binary data conversion.

<i>1. Details of conversion target products.....</i>	<i>1</i>
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1. Details of conversion target products

1.1 GPM products

- GSMaP Hourly L3(HDF5) – hourlyPrecipRate
- GSMaP Monthly L3(HDF5)– MonthlyPrecipRate
- GSMaP Daily Rainfall in 0.25-deg(Binary)
- GSMaP Daily Rainfall in 0.1-deg(Binary)
- DPR Daily L3(HDF5) – PrecipRateESurfMean
 - ◇ DPRMS×Ascending
 - ◇ DPRMS×Descending
 - ◇ KuNS×Ascending
 - ◇ KuNS×Descending
- DPR Monthly L3(HDF5)-G2– precipRateESurface-mean
 - ◇ KuNS×stratiform
 - ◇ KuNS×convective
 - ◇ KuNS×all
 - ◇ KaMS×stratiform
 - ◇ KaMS×convective
 - ◇ KaMS×all
 - ◇ KaHS×stratiform
 - ◇ KaHS×convective
 - ◇ KaHS×all
 - ◇ DPRMS×stratiform
 - ◇ DPRMS×convective
 - ◇ DPRMS×all
 - ◇ KuMS×stratiform
 - ◇ KuMS×convective
 - ◇ KuMS×all

1.2 GCOM-W products

- AMSR2 L1A/L1B(HDF5)
 - Observation Count(L1A)
 - ◇ 6.9GHz,H
 - ◇ 6.9GHz,V
 - ◇ 7.3GHz,H
 - ◇ 7.3GHz,V
 - ◇ 10.7GHz,H
 - ◇ 10.7GHz,V
 - ◇ 18.7GHz,H
 - ◇ 18.7GHz,V
 - ◇ 23.8GHz,H
 - ◇ 23.8GHz,V
 - ◇ 36.5GHz,H
 - ◇ 36.5GHz,V
 - ◇ 89GHz-A,H
 - ◇ 89GHz-A,V
 - ◇ 89GHz-B,H
 - ◇ 89GHz-B,V
 - Brightness Temperature(L1B)
 - ◇ 6.9GHz,H
 - ◇ 6.9GHz,V
 - ◇ 7.3GHz,H
 - ◇ 7.3GHz,V
 - ◇ 10.7GHz,H
 - ◇ 10.7GHz,V
 - ◇ 18.7GHz,H
 - ◇ 18.7GHz,V
 - ◇ 23.8GHz,H
 - ◇ 23.8GHz,V
 - ◇ 36.5GHz,H
 - ◇ 36.5GHz,V
 - ◇ 89.0GHz-A,H
 - ◇ 89.0GHz-A,V
 - ◇ 89.0GHz-B,H
 - ◇ 89.0GHz-B,V
- AMSR2 L1R(HDF5)
 - Brightness Temperature
 - ◇ reso06 6.9GHz,H
 - ◇ reso06 6.9GHz,V
 - ◇ reso06 7.3GHz,H
 - ◇ reso06 7.3GHz,V
 - ◇ reso06 10.7GHz,H

- ◇ reso06 10.7GHz,V
- ◇ reso06 18.7GHz,H
- ◇ reso06 18.7GHz,V
- ◇ reso06 23.8GHz,H
- ◇ reso06 23.8GHz,V
- ◇ reso06 36.5GHz,H
- ◇ reso06 36.5GHz,V
- ◇ reso06 89.0GHz,H
- ◇ reso06 89.0GHz,V
- ◇ reso10 10.7GHz,H
- ◇ reso10 10.7GHz,V
- ◇ reso10 18.7GHz,H
- ◇ reso10 18.7GHz,V
- ◇ reso10 23.8GHz,H
- ◇ reso10 23.8GHz,V
- ◇ reso10 36.5GHz,H
- ◇ reso10 36.5GHz,V
- ◇ reso10 89.0GHz,H
- ◇ reso10 89.0GHz,V
- ◇ reso23 18.7GHz,H
- ◇ reso23 18.7GHz,V
- ◇ reso23 23.8GHz,H
- ◇ reso23 23.8GHz,V
- ◇ reso23 36.5GHz,H
- ◇ reso23 36.5GHz,V
- ◇ reso23 89.0GHz,H
- ◇ reso23 89.0GHz,V
- ◇ reso36 36.5GHz,H
- ◇ reso36 36.5GHz,V
- ◇ reso36 89.0GHz,H
- ◇ reso36 89.0GHz,V
- ◇ original 89.0GHz-A,H
- ◇ original 89.0GHz-A,V
- ◇ original 89.0GHz-B,H
- ◇ original 89.0GHz-B,V
- AMSR2 L2 High(HDF5) – Geophysical Data
 - ◇ Precipitation for 89A
 - ◇ Precipitation for 89B
- AMSR2 L2 Low(HDF5) – Geophysical Data
 - ◇ Total Precipitable Water(
 - ◇ Cloud Liquid Water
 - ◇ Sea Surface Wind speed
 - ◇ Sea Surface Temperature

- ◇ Sea Surface Temperature 10GHz
 - ◇ Snow Depth
 - ◇ Snow Water Equivalent
 - ◇ Soil Moisture Content
 - ◇ Sea Ice Concentration
- AMSR2 L3 (HDF5)
 - Brightness Temperature
 - ◇ Brightness Temperature H
 - ◇ Brightness Temperature V
- AMSR2 L3 (HDF5)
 - Geophysical Data
 - ◇ Total Precipitable Water
 - ◇ Cloud Liquid Water
 - ◇ Precipitation
 - ◇ Sea Surface Wind speed
 - ◇ Sea Surface Temperature
 - ◇ Sea Surface Temperature 10GHz
 - ◇ Snow Depth
 - ◇ Snow Water Equivalent
 - ◇ Soil Moisture Content
 - ◇ Sea Ice Concentration

1.3 JASMES products

- JASMES Global(Binary)
 - chla
 - dpar
 - lst
 - ndvi
 - olst
 - par
 - ptw
 - rgb
 - rpar
 - swr
 - taua
 - tip
 - uva
 - uvb
 - wf
 - wst
- JASMES Global(HDF4)
 - snwcf_ghrm5c
 - snwcf_mds10c
- JASMES Japan Area(Binary)
 - alph
 - chla
 - dpar

- ndvi
- olst
- par
- ptw
- rgb
- rpar
- swr
- taua
- tip
- uva
- uvb
- wf
- wst
- JASMES Japan Area(HDF4) – snwefr
- JASMES Thailand Area(Binary) – chla
- dpar
- ndvi
- olst
- par
- ptw
- rgb
- rpar
- swr
- taua
- tip
- uva
- uvb
- wf
- wst
- JASMES Gobi Desert(Binary) – aerosol