For more information on each sensor, refer to JAXA HP (AMSR/AMSR-E, AMSR2) or "Data Users Handbook" (AMSR, AMSR-E, AMSR2).

Sensor		AMSR (Advanced Microwave Scanning Radiometer)	AMSR-E (Advanced Microwave Scanning Radiometer for EOS)	AMSR2 (Advanced Microwave Scanning Radiometer 2)
Satellite		ADEOS-II	Aqua	GCOM-W1
Launch Date		Dec 14, 2002	May 04, 2002	May 18, 2012
Operation		Operation completed (~Dec 31, 2003)	Observation halted	In operation
Observation Period		Apr 02, 2003~Oct 24, 2003	Jun 01, 2002~Oct 04, 2011	Jul 03, 2012~
05		Sun-synchronous sub-recurrent orbit	Sun-synchronous sub-recurrent orbit	Sun-synchronous sub-recurrent orbit
	Туре	(frozen orbit)	(frozen orbit)	(frozen orbit)
Orbit	Inclination	Approx. 98.7°	Approx. 98.2°	Approx 98.2°
	Altitude	Approx. 800 km	Approx. 700 km	Approx 700 km
	Period	Approx. 101min	Approx. 98.9 min	Approx 98.9 min
	Recurrent Period (Revolutions per Recurrent Period)	4 days (57 rev./4 days)	16 days (233 rev./16 days)	16 days (233 rev./16 days)
	Local sun time at ascending node	AM 10:30 ±15 min	PM 01:30 ±15 min	PM 01:30 ± 15 min
Observation Frequency <legend> O:Full -:N/A</legend>	A-train	-	0	0
	6 GHz 7 GHz	0	0	0
	10 GHz	0	 O	0
	18 GHz	<u> </u>	Ö	T ö
	23 GHz	Ō	Ö	Ö
	36 GHz	0	0	0
	50 GHz	0	-	-
	52 GHz	0	-	-
	89 GHz (A/B)	0	O % 1	0
Swath Width		Approx. 1600 km	Over 1450 km	Over 1450 km
Near real time products		N/A	N/A • Reduced the antenna diameter (from	For agreement organization and PIs only. • Enlarged the deployed antenna diameter to
Major performance changes from previous AMSR series sensors		-	2.0 meters to 1.6 meters) due to limitations of the payload faring, used an antenna expansion deployment method, and eliminated the 50 GHz band channels.	2 meters to boost spatial resolution. Upgraded the calibration system for more reliable calculations of brightness temperatures. Added a 7.3 GHz band channel to lower interference from terrestrial radio signals. The design life is extended from 3 years to 5 years. Temperature required for calibration is uniform because of temperature control.
<about< th=""><th>products> Legend (</th><th>D:Available -:N/A</th><th></th><th></th></about<>	products> Legend (D:Available -:N/A		
Product		AMSR	AMSR-E	AMSR2
Level 1A		0	0	×
Level 1B		0	0	0
Level 1B Ma	ар	- ※3	- ※3	- 0
Level 11	Total Precipitable Water	0	 O	0
Level 2	Cloud Liquid Water	<u>o</u>	Ö	T ö
	Precipitation	Ö	Ö	Ö
	Sea Surface Temperature	0	O.	O O
	Sea Surface Wind speed	0	0	0
	Sea Ice Concentration	0	0	0
	Snow Depth ※2 Soil Moisture Content	0	0	0
Level2 Map	John Worsture Content	- *3	- *3	<u> </u>
2010/2 map	Brightness Temperature	0	O	0
	Total Precipitable Water	Ō	Ō	Ö
	Cloud Liquid Water	0	0	0
Level 3	Precipitation	<u> </u>	0	0
	Sea Surface Temperature Sea Surface Wind speed	0	0	0
	Sea Ice Concentration	0	0	0
	Snow Depth ※2	<u>o</u>	Ö	T ö
	Soil Moisture Content	Ö	Ö	Ö
Data Format	HDF4	Standard	Standard	-
	HDF5	Available	Available	Standard
Data Format				
Data Format	NetCDF GeoTIFF	Available Available	Available Available	Available Available

Available

1 A-horn had stopped observing since Nov 04, 2004.

2 Product name in AMSR/AMSR-E is "Snow Water Equivalent".

3 Discontinuation: Only on the product format specification.