

AMSR2 Level-2 Product Pixel Data Quality

bit7-4: Error reason, bit3-0: Data status, Value: 8-bit unsigned integer

Total Precipitable Water, TPW

bit7	bit6	bit5	bit4	bit3	bit2	bit1	bit0	Value	Status
0	0	0	0	0	0	0	0	0	Clear sky
0	0	0	0	0	0	0	1	1	Cloud
0	0	0	0	0	0	1	0	2	Light rain
0	0	0	1	0	0	0	0	16	Heavy rain
0	0	1	0	0	0	0	0	32	Abnormal calculation of TPW
0	0	1	1	0	0	0	0	48	Abnormal calculation of sea surface emissivity
0	1	0	0	0	0	0	0	64	Invalid retrieval or RFI
0	1	0	1	0	0	0	0	80	Invalid retrieval of sea ice
0	1	1	0	0	0	0	0	96	Invalid L1
0	1	1	1	0	0	0	0	112	Sea ice
1	0	0	0	0	0	0	0	128	Land
1	0	0	1	0	0	0	0	144	L1 Land/Ocean Flag Error

* The values in the table are the values when read as 8-bit unsigned integer.