

Correction

# Correction: Tabata, T., *et al.* Recalibration of over 35 Years of Infrared and Water Vapor Channel Radiances of the JMA Geostationary Satellites. *Remote Sens.* **2019**, *11*, 1189

Tasuku Tabata <sup>1,\*</sup>, Viju O. John <sup>2</sup> , Rob A. Roebeling <sup>2</sup> , Tim Hewison <sup>2</sup>  and Jörg Schulz <sup>2</sup>

<sup>1</sup> Japan Meteorological Agency, 1-3-4 Otemachi, Chiyoda-ku, Tokyo 100-8122, Japan

<sup>2</sup> EUMETSAT, Eumetsat Allee 1, 64295 Darmstadt, Germany; Viju.John@eumetsat.int (V.O.J.); Rob.Roebeling@eumetsat.int (R.A.R.); Tim.Hewison@eumetsat.int (T.H.); Joerg.Schulz@eumetsat.int (J.S.)

\* Correspondence: t\_tabata@met.kishou.go.jp; Tel.: +81-3-3212-8341

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The authors wish to make the following corrections to this paper [1]:  
 Tables in the appendix B included errors in copying data. These were corrected.  
 Replace:

**Table without name (Old Table)**

Brightness temperature to radiance	Radiance to brightness temperature
$R = \frac{a_1}{\exp(\frac{a_2}{T_e}) - 1}$	$T_b = b_0 + b_1 T_e + b_2 T_e^2$
where	where
$T_e = b_0 + b_1 T_b + b_2 T_b^2$	$T_e = \frac{a_2}{\ln(\frac{a_1}{R} + 1)}$

with

**Table without name (New Table)**

Brightness temperature to radiance	Radiance to brightness temperature
$R = \frac{a_1}{\exp(\frac{a_2}{T_e}) - 1}$	$T_b = c_0 + c_1 T_e + c_2 T_e^2$
where	where
$T_e = b_0 + b_1 T_b + b_2 T_b^2$	$T_e = \frac{a_2}{\ln(\frac{a_1}{R} + 1)}$

Replace:

**Table A5 (Old Table)**

Satellite/ Sensor	Channel	Band Correction Coefficient				
		a <sub>1</sub>	a <sub>2</sub>	b <sub>0</sub> c <sub>0</sub>	b <sub>1</sub> c <sub>1</sub>	b <sub>2</sub> c <sub>2</sub>
GMS/ VISSR	IR	8255.7322074	1273.3143667	2.275846 −2.299415	0.988431 1.011715	1.1793766 × 10 <sup>−5</sup> −1.2013822 × 10 <sup>−5</sup>
GMS-2/ VISSR	IR	9212.3644250	1320.7100318	1.737134 −1.750673	0.991147 1.008937	9.4856395 × 10 <sup>−6</sup> −9.6145107 × 10 <sup>−6</sup>
GMS-3/ VISSR	IR	8186.4103806	1269.7404178	2.223245 −2.245486	0.989076 1.011059	1.0259023 × 10 <sup>−5</sup> −1.0452385 × 10 <sup>−5</sup>
GMS-4/ VISSR	IR	9317.5135144	1325.7158559	2.209312 −2.231042	0.989011 1.011122	1.1303155 × 10 <sup>−5</sup> −1.1501695 × 10 <sup>−5</sup>
GMS-5/ VISSR	IR	9435.9748564	1331.3105240	0.736362 −0.738703	0.996551 1.003462	3.0920152 × 10 <sup>−6</sup> −3.1108864 × 10 <sup>−6</sup>
	WV	35,926.6023447	2078.8468183	0.556851 −0.557728	0.998407 1.001596	7.5627042 × 10 <sup>−7</sup> −7.5910270 × 10 <sup>−7</sup>
GOES-9/ Imager	IR	9476.1178904	1333.1957641	0.491152 −0.492194	0.997693 1.002313	2.0906405 × 10 <sup>−6</sup> −2.0991027 × 10 <sup>−6</sup>
	WV	38,784.3857168	2132.5673014	0.416589 −0.417077	0.998811 1.001191	6.0331891 × 10 <sup>−7</sup> −6.0497125 × 10 <sup>−7</sup>
MTSAT-1R/ JAMI	IR	9472.6233105	1333.0318598	0.402764 −0.403462	0.998122 1.001882	1.6713304 × 10 <sup>−6</sup> −1.6769060 × 10 <sup>−6</sup>
	WV	38,354.2134967	2124.6536020	0.401309 −0.401762	0.998855 1.001147	5.7482986 × 10 <sup>−7</sup> −5.7635116 × 10 <sup>−7</sup>
MTSAT-2/ IMAGER	IR	9717.8743052	1344.4382687	0.512600 −0.513724	0.997626 1.002381	2.1027280 × 10 <sup>−6</sup> −2.1116295 × 10 <sup>−6</sup>
	WV	38,726.0971362	2131.4984293	0.521928 −0.522681	0.998541 1.001462	6.7803280 × 10 <sup>−7</sup> −6.8037191 × 10 <sup>−7</sup>

with

**Table A5 (New Table)**

Satellite/ Sensor	Channel	Band Correction Coefficient				
		a <sub>1</sub>	a <sub>2</sub>	b <sub>0</sub> c <sub>0</sub>	b <sub>1</sub> c <sub>1</sub>	b <sub>2</sub> c <sub>2</sub>
GMS/ VISSR	IR	8255.3989526	1273.2972334	2.2757022 −2.2992685	0.9884318 1.0117148	1.1793267 × 10 <sup>−5</sup> −1.2013300 × 10 <sup>−5</sup>
GMS-2/ VISSR	IR	9214.2439210	1320.7998423	1.7428946 −1.7565093	0.9911486 1.0089361	9.4229928 × 10 <sup>−6</sup> −9.5518013 × 10 <sup>−6</sup>
GMS-3/ VISSR	IR	8186.0813819	1269.7234079	2.2231054 −2.2453430	0.9890761 1.0110581	1.0258679 × 10 <sup>−5</sup> −1.0452023 × 10 <sup>−5</sup>
GMS-4/ VISSR	IR	9317.0102296	1325.6919859	2.2092520 −2.2309816	0.9890098 1.0111233	1.1306309 × 10 <sup>−5</sup> −1.1504885 × 10 <sup>−5</sup>
GMS-5/ VISSR	IR	9436.1509182	1331.3188041	0.7365781 −0.7389203	0.9965505 1.0034631	3.0927987 × 10 <sup>−6</sup> −3.1116802 × 10 <sup>−6</sup>
	WV	35,926.6023447	2078.8468183	0.5568513 −0.5577277	0.9984068 1.0015964	7.5627042 × 10 <sup>−7</sup> −7.5910270 × 10 <sup>−7</sup>

GOES-9/ Imager	IR	9718.2592835	1344.4560220	0.5130980	0.9976226	$2.1068265 \times 10^{-6}$
	WV	38,729.0279165	2131.5521983	-0.5142247	1.0023838	$-2.1157521 \times 10^{-6}$
MTSAT-1R/ JAMI	IR	9475.9080697	1333.1859242	0.5228348	0.9985389	$6.7751021 \times 10^{-7}$
	WV	38,784.1056187	2132.5621676	-0.5235900	1.0014638	$-6.7985173 \times 10^{-7}$
MTSAT-2/ IMAGER	IR	9471.3339906	1332.9715704	0.4912293	0.9976921	$2.0915292 \times 10^{-6}$
	WV	38,352.6325483	2124.6247169	-0.4922710	1.0023139	$-2.0999958 \times 10^{-6}$
	IR			0.4165452	0.9988113	$6.0328185 \times 10^{-7}$
	WV			-0.4170332	1.0011905	$-6.0493393 \times 10^{-7}$
	IR			0.4036895	0.9981173	$1.6749284 \times 10^{-6}$
	WV			-0.4043903	1.0018867	$-1.6805293 \times 10^{-6}$
	IR			0.4006764	0.9988567	$5.7395127 \times 10^{-7}$
	WV			-0.4011279	1.0011449	$-5.7546785 \times 10^{-7}$

The authors confirm that the corrected errors are not related to the science and methodology presented in the published paper. The authors apologize for any inconvenience caused to the readers by these changes.

## References

1. Tabata, T.; John, V.O.; Roebeling, R.A.; Hewison, T.; Schulz, J. Recalibration of over 35 Years of Infrared and Water Vapor Channel Radiances of the JMA Geostationary Satellites. *Remote Sens.* **2019**, *11*, 1189. [[CrossRef](#)]



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