

1 METEOSAT-6

- [IR1 Channel](#)
- [WV2 Channel](#)

1.1 IR1 Temperature/Radiance Conversion Table

Planck Function weighted with Filter Function (90 K) for the Meteosat-6 IR1 channel.
Temperature in K, radiance in $W\ m^{-2}\ sr^{-1}$

Temp	Rad	Temp	Rad	Temp	Rad	Temp	Rad	Temp	Rad
170.0	0.505	171.0	0.528	172.0	0.551	173.0	0.574	174.0	0.599
175.0	0.624	176.0	0.650	177.0	0.676	178.0	0.704	179.0	0.732
180.0	0.761	181.0	0.791	182.0	0.822	183.0	0.853	184.0	0.886
185.0	0.919	186.0	0.953	187.0	0.988	188.0	1.024	189.0	1.061
190.0	1.099	191.0	1.138	192.0	1.177	193.0	1.218	194.0	1.260
195.0	1.302	196.0	1.346	197.0	1.390	198.0	1.436	199.0	1.482
200.0	1.530	201.0	1.579	202.0	1.628	203.0	1.679	204.0	1.731
205.0	1.784	206.0	1.838	207.0	1.893	208.0	1.949	209.0	2.006
210.0	2.065	211.0	2.124	212.0	2.185	213.0	2.247	214.0	2.310
215.0	2.374	216.0	2.439	217.0	2.506	218.0	2.574	219.0	2.643
220.0	2.713	221.0	2.784	222.0	2.857	223.0	2.930	224.0	3.005
225.0	3.082	226.0	3.159	227.0	3.238	228.0	3.318	229.0	3.399
230.0	3.482	231.0	3.565	232.0	3.650	233.0	3.737	234.0	3.824
235.0	3.913	236.0	4.004	237.0	4.095	238.0	4.188	239.0	4.282
240.0	4.378	241.0	4.475	242.0	4.573	243.0	4.672	244.0	4.773
245.0	4.876	246.0	4.979	247.0	5.084	248.0	5.190	249.0	5.298
250.0	5.407	251.0	5.517	252.0	5.629	253.0	5.742	254.0	5.856
255.0	5.972	256.0	6.090	257.0	6.208	258.0	6.328	259.0	6.450
260.0	6.572	261.0	6.697	262.0	6.822	263.0	6.949	264.0	7.077
265.0	7.207	266.0	7.338	267.0	7.471	268.0	7.605	269.0	7.740
270.0	7.877	271.0	8.015	272.0	8.155	273.0	8.296	274.0	8.438
275.0	8.582	276.0	8.727	277.0	8.874	278.0	9.022	279.0	9.172
280.0	9.323	281.0	9.475	282.0	9.629	283.0	9.784	284.0	9.940
285.0	10.098	286.0	10.258	287.0	10.419	288.0	10.581	289.0	10.745
290.0	10.910	291.0	11.076	292.0	11.244	293.0	11.413	294.0	11.584
295.0	11.756	296.0	11.930	297.0	12.105	298.0	12.281	299.0	12.459
300.0	12.638	301.0	12.819	302.0	13.000	303.0	13.184	304.0	13.369
305.0	13.555	306.0	13.742	307.0	13.931	308.0	14.122	309.0	14.313
310.0	14.507	311.0	14.701	312.0	14.897	313.0	15.094	314.0	15.293
315.0	15.493	316.0	15.695	317.0	15.897	318.0	16.102	319.0	16.307
320.0	16.514	321.0	16.722	322.0	16.932	323.0	17.143	324.0	17.356

325.0	17.569	326.0	17.784	327.0	18.001	328.0	18.219	329.0	18.438
330.0	18.658	331.0	18.880	332.0	19.104	333.0	19.328	334.0	19.554
335.0	19.781	336.0	20.010	337.0	20.240	338.0	20.471	339.0	20.703
340.0	20.937	341.0	21.172	342.0	21.409	343.0	21.646	344.0	21.886
345.0	22.126	346.0	22.368	347.0	22.611	348.0	22.855	349.0	23.100
350.0	23.347	351.0	23.595	352.0	23.845	353.0	24.096	354.0	24.348
355.0	24.601	356.0	24.855	357.0	25.111	358.0	25.368	359.0	25.627
360.0	25.886	361.0	26.147	362.0	26.409	363.0	26.672	364.0	26.937
365.0	27.203	366.0	27.470	367.0	27.738	368.0	28.007	369.0	28.278

1.2 WV2 Temperature/Radiance Conversion Table

Planck Function weighted with Filter Function (90 K) for the Meteosat-6 WV2 channel.
 Temperature in K, radiance in $W\ m^{-2}\ sr^{-1}$

Temp	Rad	Temp	Rad	Temp	Rad	Temp	Rad	Temp	Rad
170.0	0.015	171.0	0.016	172.0	0.018	173.0	0.019	174.0	0.020
175.0	0.022	176.0	0.024	177.0	0.025	178.0	0.027	179.0	0.029
180.0	0.031	181.0	0.034	182.0	0.036	183.0	0.039	184.0	0.041
185.0	0.044	186.0	0.047	187.0	0.050	188.0	0.053	189.0	0.057
190.0	0.061	191.0	0.064	192.0	0.069	193.0	0.073	194.0	0.077
195.0	0.082	196.0	0.087	197.0	0.092	198.0	0.098	199.0	0.104
200.0	0.110	201.0	0.116	202.0	0.122	203.0	0.129	204.0	0.137
205.0	0.144	206.0	0.152	207.0	0.160	208.0	0.169	209.0	0.178
210.0	0.187	211.0	0.197	212.0	0.207	213.0	0.218	214.0	0.229
215.0	0.241	216.0	0.253	217.0	0.265	218.0	0.278	219.0	0.292
220.0	0.306	221.0	0.320	222.0	0.335	223.0	0.351	224.0	0.367
225.0	0.384	226.0	0.401	227.0	0.420	228.0	0.438	229.0	0.458
230.0	0.478	231.0	0.499	232.0	0.520	233.0	0.542	234.0	0.565
235.0	0.589	236.0	0.614	237.0	0.639	238.0	0.665	239.0	0.692
240.0	0.720	241.0	0.749	242.0	0.779	243.0	0.809	244.0	0.841
245.0	0.873	246.0	0.907	247.0	0.941	248.0	0.977	249.0	1.013
250.0	1.051	251.0	1.090	252.0	1.129	253.0	1.170	254.0	1.212
255.0	1.256	256.0	1.300	257.0	1.346	258.0	1.393	259.0	1.441
260.0	1.490	261.0	1.541	262.0	1.593	263.0	1.647	264.0	1.701
265.0	1.758	266.0	1.815	267.0	1.874	268.0	1.935	269.0	1.997
270.0	2.060	271.0	2.125	272.0	2.192	273.0	2.260	274.0	2.330
275.0	2.401	276.0	2.474	277.0	2.549	278.0	2.626	279.0	2.704
280.0	2.784	281.0	2.866	282.0	2.949	283.0	3.034	284.0	3.122
285.0	3.211	286.0	3.302	287.0	3.395	288.0	3.490	289.0	3.586
290.0	3.685	291.0	3.786	292.0	3.889	293.0	3.994	294.0	4.101
295.0	4.210	296.0	4.322	297.0	4.435	298.0	4.551	299.0	4.669
300.0	4.790	301.0	4.912	302.0	5.037	303.0	5.164	304.0	5.294

305.0	5.426	306.0	5.560	307.0	5.697	308.0	5.836	309.0	5.978
310.0	6.122	311.0	6.269	312.0	6.418	313.0	6.570	314.0	6.724
315.0	6.881	316.0	7.041	317.0	7.203	318.0	7.369	319.0	7.536
320.0	7.707	321.0	7.880	322.0	8.057	323.0	8.236	324.0	8.418
325.0	8.602	326.0	8.790	327.0	8.981	328.0	9.174	329.0	9.371
330.0	9.570	331.0	9.773	332.0	9.978	333.0	10.187	334.0	10.399
335.0	10.614	336.0	10.832	337.0	11.053	338.0	11.277	339.0	11.505
340.0	11.736	341.0	11.970	342.0	12.207	343.0	12.448	344.0	12.692
345.0	12.939	346.0	13.190	347.0	13.444	348.0	13.701	349.0	13.962
350.0	14.226	351.0	14.494	352.0	14.766	353.0	15.040	354.0	15.319
355.0	15.601	356.0	15.886	357.0	16.176	358.0	16.468	359.0	16.765
360.0	17.065	361.0	17.369	362.0	17.676	363.0	17.988	364.0	18.303
365.0	18.622	366.0	18.944	367.0	19.271	368.0	19.601	369.0	19.935