

## METEOSAT NORMALISED SPECTRAL RESPONSES METEOSAT-7

### 1 DATA

[Graphs](#) are also available for the below data.

- [Nominal Spectral Configuration](#) (VIS-1/VIS-2, IR-1, WV-2)
- [Backup Spectral Configuration](#) (VIS-3/VIS-4, IR-2, WV-1)

#### 1.1 Nominal Spectral Configuration

VIS Wavelength	VIS-1 Response	VIS-2 Response	VIS Av. Response	IR-2 Wavelength	IR-2 Response	WV-1 Wavelength	WV-1 Response
0.30	0.000	0.000	0.0000	10.00	0.000	5.40	0.000
0.31	0.001	0.001	0.0010	10.10	0.004	5.50	0.007
0.32	0.003	0.004	0.0035	10.20	0.008	5.60	0.014
0.33	0.009	0.013	0.0110	10.25	0.010	5.70	0.145
0.34	0.022	0.028	0.0250	10.30	0.022	5.75	0.572
0.35	0.026	0.034	0.0300	10.40	0.047	5.80	1.000
0.36	0.018	0.023	0.0205	10.50	0.071	5.90	0.742
0.37	0.012	0.015	0.0135	10.60	0.408	6.00	0.818
0.38	0.021	0.026	0.0235	10.70	0.745	6.10	0.851
0.39	0.050	0.067	0.0585	10.75	0.914	6.20	0.678
0.40	0.151	0.190	0.1705	10.80	0.914	6.25	0.698
0.41	0.246	0.293	0.2695	10.90	0.914	6.30	0.718
0.42	0.331	0.369	0.3500	11.00	0.914	6.40	0.851
0.43	0.407	0.468	0.4375	11.10	0.940	6.50	0.797
0.44	0.483	0.552	0.5175	11.20	0.967	6.60	0.659
0.45	0.564	0.618	0.5910	11.25	0.980	6.70	0.711
0.46	0.641	0.707	0.6740	11.30	0.984	6.75	0.739
0.47	0.663	0.706	0.6845	11.40	0.992	6.80	0.767
0.48	0.684	0.726	0.7050	11.50	1.000	6.90	0.658
0.49	0.707	0.752	0.7295	11.60	0.974	7.00	0.565

0.50	0.737	0.772	0.7545	11.70	0.947	7.10	0.264
0.51	0.771	0.803	0.7870	11.75	0.934	7.20	0.033
0.52	0.808	0.839	0.8235	11.80	0.903	7.25	0.023
0.53	0.847	0.881	0.8640	11.90	0.842	7.30	0.013
0.54	0.884	0.911	0.8975	12.00	0.780	7.40	0.004
0.55	0.901	0.915	0.9080	12.10	0.763	7.50	0.000
0.56	0.898	0.902	0.9000	12.20	0.746	-	-
0.57	0.893	0.897	0.8950	12.25	0.738	-	-
0.58	0.893	0.883	0.8880	12.30	0.692	-	-
0.59	0.892	0.869	0.8805	12.40	0.601	-	-
0.60	0.887	0.859	0.8730	12.50	0.509	-	-
0.61	0.886	0.859	0.8725	12.60	0.365		
0.62	0.891	0.862	0.8765	12.70	0.222		
0.63	0.893	0.864	0.8785	12.75	0.150		
0.64	0.904	0.878	0.8910	12.80	0.126		
0.65	0.913	0.883	0.8980	12.90	0.078		
0.66	0.923	0.892	0.9075	13.00	0.030		
0.67	0.929	0.899	0.9140	13.10	0.000		
0.68	0.940	0.907	0.9235				
0.69	0.948	0.914	0.9310				
0.70	0.960	0.926	0.9430				
0.71	0.969	0.938	0.9535				
0.72	0.975	0.950	0.9625				
0.73	0.979	0.964	0.9715				
0.74	0.976	0.959	0.9675				
0.75	0.982	0.965	0.9735				
0.76	0.988	0.972	0.9800				
0.77	0.994	0.983	0.9885				
0.78	0.999	0.994	0.9965				
0.79	0.999	0.996	0.9975				
0.80	1.000	1.000	1.0000				
0.81	0.997	1.000	0.9985				
0.82	0.996	0.999	0.9975				
0.83	0.988	0.991	0.9895				
0.84	0.975	0.980	0.9775				
0.85	0.960	0.968	0.9640				
0.86	0.940	0.944	0.9420				
0.87	0.915	0.920	0.9175				
0.88	0.884	0.889	0.8865				
0.89	0.851	0.857	0.8540				
0.90	0.817	0.817	0.8170				

0.91	0.776	0.780	0.7780
0.92	0.735	0.736	0.7355
0.93	0.690	0.688	0.6890
0.94	0.632	0.634	0.6330
0.95	0.585	0.584	0.5845
0.96	0.536	0.536	0.5360
0.97	0.485	0.484	0.4845
0.98	0.439	0.436	0.4375
0.99	0.389	0.386	0.3875
1.00	0.348	0.343	0.3455
1.01	0.296	0.292	0.2940
1.02	0.255	0.251	0.2530
1.03	0.216	0.211	0.2135
1.04	0.184	0.178	0.1810
1.05	0.000	0.000	0.0000

## 1.2 Backup Spectral Configuration

VIS Wavelength	VIS-3 Response	VIS-4 Response	VIS Av. Response	IR-1 Wavelength	IR-1 Response	WV-2 Wavelength	WV-2 Response
0.30	0.000	0.000	0.0000	10.00	0.000	5.40	0.000
0.31	0.001	0.001	0.0010	10.10	0.004	5.50	0.007
0.32	0.004	0.003	0.0035	10.20	0.008	5.60	0.015
0.33	0.014	0.011	0.0125	10.25	0.010	5.70	0.146
0.34	0.033	0.026	0.0295	10.30	0.022	5.75	0.573
0.35	0.040	0.032	0.0360	10.40	0.047	5.80	1.000
0.36	0.028	0.022	0.0255	10.50	0.072	5.90	0.734
0.37	0.018	0.015	0.0165	10.60	0.411	6.00	0.822
0.38	0.029	0.024	0.0265	10.70	0.750	6.10	0.851
0.39	0.078	0.058	0.0680	10.75	0.920	6.20	0.678
0.40	0.223	0.165	0.1940	10.80	0.919	6.25	0.723
0.41	0.305	0.266	0.2855	10.90	0.917	6.30	0.768
0.42	0.418	0.355	0.3865	11.00	0.915	6.40	0.829
0.43	0.486	0.433	0.4595	11.10	0.948	6.50	0.801
0.44	0.549	0.505	0.5270	11.20	0.981	6.60	0.644
0.45	0.623	0.577	0.6000	11.25	0.998	6.70	0.688
0.46	0.690	0.647	0.6685	11.30	0.998	6.75	0.707
0.47	0.700	0.669	0.6845	11.40	0.999	6.80	0.727
0.48	0.736	0.692	0.7140	11.50	1.000	6.90	0.610

0.49	0.737	0.711	0.7240	11.60	0.974	7.00	0.527
0.50	0.777	0.743	0.7600	11.70	0.947	7.10	0.248
0.51	0.807	0.771	0.7890	11.75	0.934	7.20	0.032
0.52	0.846	0.805	0.8255	11.80	0.904	7.25	0.023
0.53	0.891	0.839	0.8650	11.90	0.845	7.30	0.013
0.54	0.924	0.868	0.8960	12.00	0.786	7.40	0.004
0.55	0.931	0.876	0.9035	12.10	0.768	7.50	0.000
0.56	0.918	0.875	0.8965	12.20	0.751	-	-
0.57	0.911	0.866	0.8885	12.25	0.742	-	-
0.58	0.898	0.859	0.8785	12.30	0.696	-	-
0.59	0.889	0.851	0.8700	12.40	0.604	-	-
0.60	0.877	0.847	0.8620	12.50	0.512	-	-
0.61	0.869	0.849	0.8590	12.60	0.368		
0.62	0.876	0.854	0.8650	12.70	0.225		
0.63	0.878	0.860	0.8690	12.75	0.153		
0.64	0.888	0.872	0.8800	12.80	0.128		
0.65	0.897	0.884	0.8905	12.90	0.079		
0.66	0.904	0.892	0.8980	13.00	0.030		
0.67	0.912	0.900	0.9060	13.10	0.000		
0.68	0.920	0.910	0.9150				
0.69	0.930	0.917	0.9235				
0.70	0.942	0.929	0.9355				
0.71	0.952	0.934	0.9430				
0.72	0.962	0.944	0.9530				
0.73	0.974	0.959	0.9665				
0.74	0.970	0.954	0.9620				
0.75	0.975	0.965	0.9700				
0.76	0.981	0.974	0.9775				
0.77	0.990	0.982	0.9860				
0.78	0.996	0.991	0.9935				
0.79	0.997	0.998	0.9975				
0.80	0.999	0.999	0.9990				
0.81	1.000	1.000	1.0000				
0.82	0.997	0.995	0.9960				
0.83	0.993	0.988	0.9905				
0.84	0.979	0.973	0.9760				
0.85	0.963	0.958	0.9605				
0.86	0.944	0.938	0.9410				
0.87	0.919	0.913	0.9160				
0.88	0.885	0.882	0.8835				
0.89	0.856	0.850	0.8530				

---

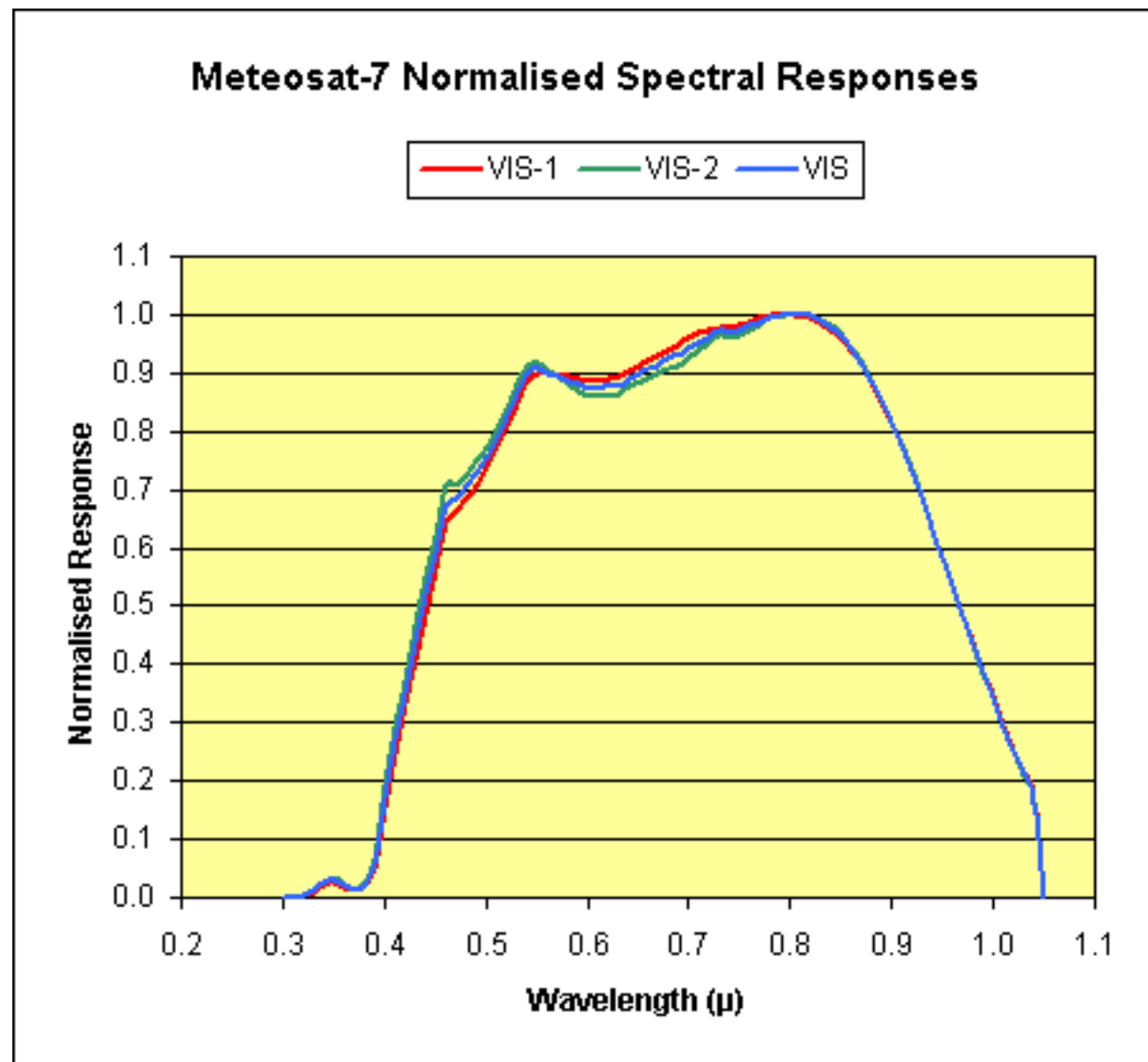
0.90	0.818	0.814	0.8160
0.91	0.778	0.775	0.7765
0.92	0.736	0.731	0.7335
0.93	0.689	0.686	0.6875
0.94	0.637	0.630	0.6335
0.95	0.585	0.584	0.5845
0.96	0.534	0.533	0.5335
0.97	0.483	0.482	0.4825
0.98	0.436	0.433	0.4345
0.99	0.386	0.384	0.3850
1.00	0.343	0.340	0.3415
1.01	0.292	0.288	0.2900
1.02	0.249	0.246	0.2475
1.03	0.210	0.205	0.2075
1.04	0.176	0.172	0.1740
1.05	0.000	0.000	0.0000

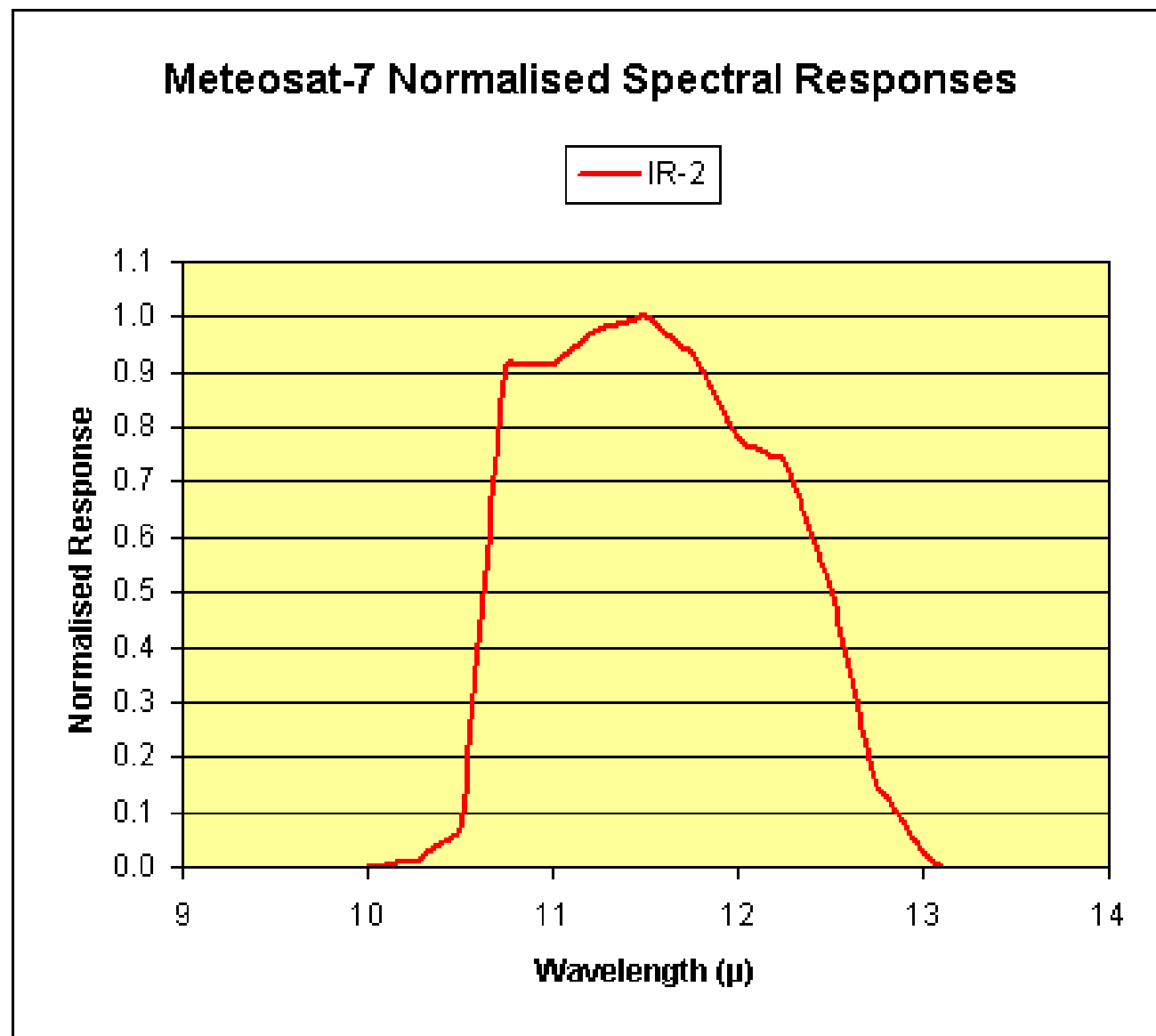
---

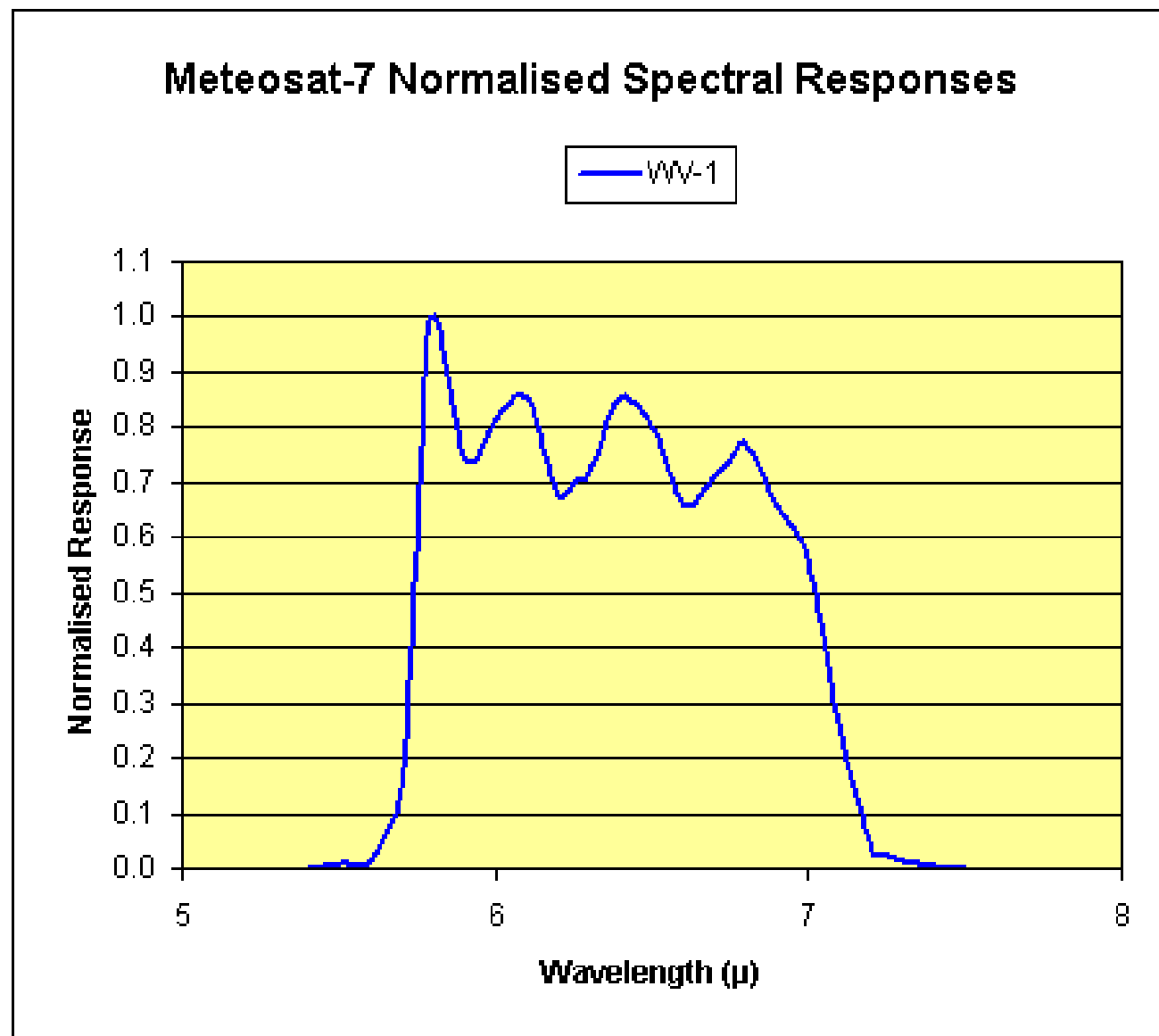
## 2 GRAPHS

- [Nominal Spectral Configuration](#) (VIS-1/VIS-2, IR-1, WV-2)
- [Backup Spectral Configuration](#) (VIS-3/VIS-4, IR-2, WV-1)

## 2.1 Nominal Spectral Responses









## 2.2 Backup Spectral Responses

