

Appendix F: Uncertainty Components for Analysis

Table F1. Standard uncertainty for NIST's uncorrelated effects during the CCPR-K6.2010 comparison, $u_{NIST,r,KC}$

Filter Identifier	Wavelength (nm)							
	380	400	500	600	700	800	900	1000
A	2.16E-04	2.16E-04	2.16E-04	2.17E-04	2.18E-04	2.18E-04	2.18E-04	2.19E-04
B	1.66E-03	9.48E-04	2.57E-04	8.75E-05	9.61E-05	1.05E-04	8.71E-05	3.70E-05
C	6.12E-04	3.50E-04	1.26E-04	8.37E-05	6.69E-05	6.06E-05	5.73E-05	1.43E-05
D	4.61E-05	3.21E-05	1.48E-05	1.94E-05	2.50E-05	1.44E-05	2.00E-05	1.41E-05
E	2.68E-05	2.09E-05	1.34E-05	1.36E-05	1.53E-05	1.36E-05	1.39E-05	1.36E-05

Table F2. Standard uncertainty for NRC's uncorrelated effects during the CCPR-K6.2010 comparison, $u_{NRC,r,KC}$

Filter Identifier	Wavelength (nm)							
	380	400	500	600	700	800	900	1000
A	1.18E-04	1.08E-04	1.08E-04	8.49E-05	7.55E-05	8.62E-05	9.58E-05	1.15E-04
B	1.66E-04	1.23E-04	8.68E-05	6.12E-05	7.42E-05	6.57E-05	7.15E-05	6.27E-05
C	6.55E-05	4.64E-05	1.71E-05	1.15E-05	2.90E-05	2.48E-05	1.51E-05	8.04E-06
D	1.78E-06	3.21E-06	2.00E-06	1.60E-06	6.02E-06	7.38E-06	4.60E-06	2.95E-06
E	1.52E-07	9.44E-07	6.57E-07	4.15E-07	1.7eE-06	2.98E-06	6.58E-06	3.52E-06

Table F3. Standard uncertainty for NIST's uncorrelated effects during the SIM.PR-K6.2010 comparison, $u_{NIST,r,RMO}$

Filter Identifier	Wavelength (nm)							
	380	400	500	600	700	800	900	1000
A	2.39E-04	2.40E-04	2.40E-04	2.41E-04	2.41E-04	2.41E-04	2.41E-04	2.41E-04
B	1.83E-03	9.49E-04	2.58E-04	9.32E-05	1.00E-04	1.08E-04	9.10E-05	4.55E-05
C	6.34E-04	3.55E-04	1.26E-04	8.42E-05	6.71E-05	5.99E-05	5.65E-05	1.07E-05
D	3.77E-05	2.48E-05	7.32E-06	1.47E-05	2.17E-05	6.59E-06	1.53E-05	5.64E-06
E	5.48E-06	5.28E-06	9.15E-07	2.58E-06	7.66E-06	2.69E-06	3.84E-06	2.64E-06

Table F4. Standard uncertainty for NRC's uncorrelated effects during the SIM.PR-K6.2010 comparison, $u_{NRC,r,RMO}$

Filter Identifier	Wavelength (nm)							
	380	400	500	600	700	800	900	1000
A	2.03E-04	1.43E-04	1.37E-04	1.30E-04	1.36E-04	1.54E-04	1.08E-04	9.55E-05
B	7.08E-05	4.66E-05	4.81E-05	3.61E-05	7.24E-05	6.41E-05	3.58E-05	4.79E-05
C	8.81E-06	1.48E-05	9.00E-06	7.28E-06	9.38E-06	1.05E-05	1.09E-05	4.97E-06
D	6.65E-07	1.88E-06	1.43E-06	1.41E-06	3.32E-06	4.17E-06	5.42E-06	2.58E-06
E	4.53E-08	5.12E-07	3.61E-07	2.78E-07	9.37E-07	1.74E-06	9.69E-07	1.10E-06

Table F5. Standard transfer uncertainty for CCPR-K6.2010 comparison, s_{KC}

Filter Identifier	Wavelength (nm)							
	380	400	500	600	700	800	900	1000
A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B	0.0	0.0	0.0	0.0	2.90E-05	0.0	1.70E-05	1.70E-05
C	0.0	0.0	0.0	1.70E-06	0.0	0.0	5.60E-06	2.90E-06
D	0.0	0.0	0.0	0.0	1.10E-06	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table F6. Standard uncertainty for reproducibility of NIST's scale, $u_{NIST,st}$

Filter	Wavelength (nm)							
	380	400	500	600	700	800	900	1000
A	2.19E-03	2.20E-03	1.07E-03	1.07E-03	1.07E-03	1.07E-03	1.08E-03	1.08E-03
B	9.87E-04	1.46E-03	7.17E-04	7.02E-04	7.35E-04	6.62E-04	5.72E-04	5.13E-04
C	5.58E-05	2.32E-04	8.02E-05	6.24E-05	1.63E-04	1.50E-04	9.32E-05	6.17E-05
D	4.96E-06	1.63E-05	1.36E-05	1.36E-05	1.75E-06	8.60E-06	1.36E-05	1.36E-05
E	4.03E-06	4.86E-06	1.14E-06	1.14E-06	1.36E-05	1.36E-05	1.36E-05	1.36E-05

Table F7. Standard uncertainty for reproducibility of NRC's scale, $u_{NRC,st}$

Filter	Wavelength (nm)							
	380	400	500	600	700	800	900	1000
A	7.37E-05	5.23E-05	8.92E-05	1.01E-04	1.14E-04	1.18E-04	9.85E-05	5.33E-05
B	7.95E-05	4.93E-05	1.06E-05	4.18E-05	4.84E-05	4.17E-05	3.64E-05	2.76E-05
C	1.08E-05	8.39E-06	4.55E-06	3.75E-06	4.52E-06	4.95E-06	8.31E-06	7.78E-06
D	3.05E-07	1.88E-06	1.41E-06	1.81E-06	6.41E-06	7.33E-06	3.37E-06	2.28E-06
E	2.53E-08	1.48E-07	1.60E-07	2.23E-07	1.28E-06	2.32E-06	1.34E-06	7.14E-07