

Name	Value/remarks
Atmospheric parameters	
$A_s$	0.01–0.4 @ 760 nm (Lambertian)
$\tau$	1.0–5.0 @ 550 nm (or, 0.60–3.0 @ 760 nm)
$z_{\text{aer}}$	600.0–900.0 hPa
$\omega$	0.95
$g$	0.7
Ångström exponent (Å)	1.5
Temperature–pressure profile	midlatitude summer
Instrument parameters	
Slit function FWHM	0.11 nm
Spectral oversampling factor	3
Slit function shape	Gaussian
Solar-satellite geometry parameters	
$\theta$ (viewing zenith angle)	0–70°
$\theta_0$	0–70°
$\phi - \phi_0$ (relative azimuth angle)	$\phi = 180^\circ$ , $\phi_0$ varied between 0 and 360°