

Contents of OMPS Limb Profiler (LP) PMC Data File

Ntime = number of samples for season

Quantity	Description	Units	Size
AltMaxRatio	Altitude of maximum value in radiance ratio profile (above 80 km) $Z_{\max} < 0.0 \rightarrow$ Peak lies below 80 km $Z_{\max} = 0.0 \rightarrow$ Maximum value occurs in top 3 samples (removed for quality issues)	km	Ntime
BkgdShift	Normalization factor to force agreement between measured radiance profile and background profile at 45 km	none	Ntime
Day	Day of measurement	none	Ntime
DayOfYear	Running day of year of measurement	none	Ntime
EventNumber	Event number in current orbit	none	Ntime
Latitude	Tangent point latitude of measurement	degrees	Ntime
Longitude	Tangent point longitude of measurement	degrees	Ntime
MaxRatio	Maximum radiance ratio (measured/background) in profile. If altitude of maximum is greater than 80 km, result from 3-point quadratic fit is used.	none	Ntime
Month	Month of measurement	none	Ntime
OrbitNumber	Orbit number since launch	none	Ntime
ScattAngle	Scattering angle of measurement	degrees	Ntime
SAAFlag	Flag for South Atlantic Anomaly particle effects at satellite location based on climatology 0: Estimated effects < 5% of maximum level 1: Estimated effects = 5-40% of maximum level 2: Estimated effects = 40-75% of maximum level 3: Estimated effects > 75% of maximum level	none	Ntime
SlitNumber	Slit number for each event	none	Ntime
TimeOfDay	Time of measurement (UT)	seconds	Ntime
Wavelength	Wavelength of radiance data	nm	Ntime
Year	Year of measurement	none	Ntime