



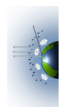
## CERES Processing Level Details



- The CERES data products are written in HDF format ([Information on HDF](#)) and netCDF format. ([Information on netCDF](#))
- [Processing Level Detail Definitions](#)
- [Processing Scheme Detail Definitions](#)

### Available Processing Level Data Sets

Processing Level	Processing Scheme	CERES Data Product	Data Averaging Information		Data File Information	
			Temporal Resolution	Spatial Resolution	File Frequency	Approx File Size <sup>1</sup>
Level 3B	TOA Flux	EBAF: Energy Balanced and Filled	monthly and climatology	1° gridded regional, 1° zonally averaged, globally averaged,	1/dataset	208
Level 3	Clouds and Computed Flux	ZAVG Monthly Zonal and Global Radiative Fluxes and Clouds	monthly monthly 3-hourly	1° zonally averaged, globally averaged	1/month	4
		AVG Monthly Regional Radiative and Clouds	monthly monthly 3-hourly	1° gridded regional	1/month	630
		SYN Synoptic Radiative Fluxes and Clouds	3-hourly	1° gridded regional	1/day	256
		FSW Gridded Radiative Fluxes and Clouds	instantaneous	1° gridded regional	60 zonal files/month (3 zones/file)	100
	Clouds and TOA/SFC Flux	SRBAVG TOA/Surface Averages	monthly, monthly hourly	1° gridded regional, 1° zonally averaged globally averaged	3 files/month	SRBAVG1: 245 SRBAVG2: 500 SRBAVG3: 515
		SFC Gridded TOA/Surface Fluxes and Clouds	instantaneous	1° gridded regional	36 zonal files/month (5 zones/file)	60



	Clouds	ISCCP-D2like Monthly Cloud Averages	monthly monthly 3-hourly	1° gridded regional	3 files/month	-MRG: -GEO: 33 -Day: 671 -Nit: 671
	ERBE-like	ES-4 ERBE-like Geographical Averages	monthly, daily, monthly hourly	2.5°, 5°, 10° gridded regional and zonally averaged, globally averaged	1 file/month	9
		ES-9 ERBE-like Regional Averages	monthly, daily, monthly hourly instantaneous	2.5° gridded regional	1 file/month	70
Instantaneous Products (not averaged)						
Level 2	Clouds and Computed Flux	CRS Clouds and Radiative Swath	instantaneous	instantaneous instrument  field-of-view	1 file/hour	85
	Clouds and TOA/SFC Flux	SSF TOA/Surface Fluxes and Clouds	instantaneous		1 file/hour	60
	ERBE-like	ES-8 ERBE-like TOA Estimates	instantaneous	(FOV) swaths <sup>2</sup>	1 file/day	290
Level 1B	N/A	BDS Instrument data	instantaneous	instantaneous instrument field-of-view (FOV) swaths <sup>2</sup>	1 file/day	640
<p>1. (MB) File sizes may vary based on amount of data collected and instrument sampling.</p> <p>2. On TRMM with a satellite altitude of 350 km, the optical field-of-view (FOV) at nadir is 10 km resolution.  On Terra and Aqua with a satellite altitude of 705 km, the optical FOV at nadir is 20 km resolution.  On NPP with a satellite altitude of 824 km, the optical FOV at nadir is 22 km resolution.</p>						

