

CloudSat Tropical Cyclone data fields

count refers to the number of data points in the CloudSat overpass.

Contact information or questions: Natalie Tourville, natalie@atmos.colostate.edu

Field	Size	Units	M value	Data Source
StormCenterLat	1	degrees	-999	Best Track
StormCenterLon	1	degrees	-999	Best Track
StormMSLP	1	mb	-999	Best Track
StormMaxWind	1	m/s	-999	Best Track
ProfileTime	count	UTC (hours)	--	CS 2B-GeoProf
Latitude	count	degrees	--	CS 2B-GeoProf
Longitude	count	degrees	--	CS 2B-GeoProf
LandSeaFlag	count	1, 2 or 3	--	CS 2B-GeoProf
Min_Radial_Dist	1	km	--	--
Storm_Shear	1	knots	-999.9	SHIPS
Storm_SST	1	C	-999.9	Reynolds
Date_Created	6	yr, mon, day, hr, min, secs (MST)	--	--

Field	Size	Units	M value	Data Source
PressLevels	17	mb	-999	NoGAPS
Temperature	[17, count]	K	-999	NoGAPS
HeightLevels	[17, count]	km	-999	NoGAPS
DewPoint	[17, count]	K	-999	NoGAPS
Usfc	count	m/s	-999	NoGAPS
Vsfc	count	m/s	-999	NoGAPS
Tairsfc	count	K	-999	NoGAPS
SST	count	K	-999	NoGAPS
Radial_Dist	count	km	--	--
Height	[125, count]	m	-9999	CS 2B-GeoProf
Cloud_Mask	[125, count]	--	-9	CS 2B-GeoProf
Reflectivity	[125, count]	dBZ	-999	CS 2B-GeoProf
Gaseous_Attenuation	[125, count]	dBZ	-99.99	CS 2B-GeoProf
Cloud_Top_Temp	count	K	-999	CS MOD06-5KM-AUX
Cloud_Top_Press	count	hPa	-999	CS MOD06-5KM-AUX
Cloud_Top_Height	count	m	-999	CS MOD06-5KM-AUX
Radius	count	km	--	--
Azimuth	count	degrees	--	--
Brightness_Temp	count	K	-999	CS MOD06-5KM-AUX
Surface_Height_Bin	count	--	255	CS 2B-GeoProf

AMSRE_fields	[6, count]			
- 89 H Brightness T	count	K	-999	AMSRE_fields[0,*]
- Derived SST	count	K	-999	AMSRE_fields[1,*]
- Derived wind	count	m/s	-999	AMSRE_fields[2,*]
- Derived water vapor	count	kg/m ²	-999	AMSRE_fields[3,*]
- Derived LWP	count	kg/m ²	-999	AMSRE_fields[4,*]
- Derived rain rates	count	mm/h	-999	AMSRE_fields[5,*]