

allStorms_XXX_v10.pro

../class_data/monthly_class_v10/MM

File structure for:

Deep_Convective_MM_YYYY_XXX.dat

Wide_Convective_MM_YYYY_XXX.dat

DeepWide_Convective_MM_YYYY_XXX.dat

BroadStratiform_MM_YYYY_XXX.dat

A row for each event

44 columns with the following info

CORE

- Shape

in tmp_shape CV vector

1. longitude
2. latitude
3. area (km2)
4. top height (km)
5. bottom height (km)
6. dim_X (deg)
7. dim_Y (deg)
8. terrain height (m)
9. 0=ocean, 1=land

- Near Sfc Rain

in rain_moment CV vector

10. mean (mm/hr)
11. standard deviation (mm/hr)
12. max (mm/hr)
13. min (mm/hr)
14. # pixels total
15. # pixels Stra
16. # pixels Conv

in statsRain CV vector

17. mean All (mm/hr)
18. mean Stra (mm/hr)
19. mean Conv (mm/hr)
20. vol All (10^6 kg/s)
21. vol Stra (10^6 kg/s)
22. vol Conv (10^6 kg/s)

FULL STORM

- Shape

in tmp_shape vector

23. longitude
24. latitude
25. area (km2)
26. top height (km)
27. bottom height (km)
28. dim_X (deg)
29. dim_Y (deg)
30. terrain height (m)
31. 0=ocean, 1=land

- Near Sfc Rain

in rain_moment vector

32. mean (mm/hr)
33. standard deviation (mm/hr)
34. max (mm/hr)
35. min (mm/hr)
36. # pixels total
37. # pixels Stra
38. # pixels Conv

in statsRain vector

39. mean All (mm/hr)
40. mean Stra (mm/hr)
41. mean Conv (mm/hr)
42. vol All (10^6 kg/s)
43. vol Stra (10^6 kg/s)
44. vol Conv (10^6 kg/s)

../class_data/stats_class_v10/NearSurfRain/mm

TYPE_MM_YYYY.stats

1st line = # of events (# rows)

9 columns with the following info:

CORE

1. longitude
2. latitude
3. area
4. height

FULL STORM

5. longitude
6. latitude
7. area
8. height

9. orbit.YYYYMMDD.hhmmss.core#

TYPE_MM_YYYY.rain

1st line = # of events (# rows)

25 columns with the following info:

Rain ZR/NSR CORE

1. mean-All (mm/hr)
2. mean-Stra (mm/hr)
3. mean-Conv (mm/hr)
4. vol-All (10^6 kg/s)
5. vol-Stra (10^6 kg/s)
6. vol-Conv (10^6 kg/s)

Rain ZR/NSR FULL STORM

7. mean-All (mm/hr)
8. mean-Stra (mm/hr)
9. mean-Conv (mm/hr)
10. vol-All (10^6 kg/s)
11. vol-Stra (10^6 kg/s)
12. vol-Conv (10^6 kg/s)

Near Sfc Rain CORE

13. mean-All (mm/hr)
14. mean-Stra (mm/hr)
15. mean-Conv (mm/hr)
16. vol-All (10^6 kg/s)
17. vol-Stra (10^6 kg/s)
18. vol-Conv (10^6 kg/s)

Near Sfc Rain FULL STORM

19. mean-All (mm/hr)
20. mean-Stra (mm/hr)
21. mean-Conv (mm/hr)
22. vol-All (10^6 kg/s)
23. vol-Stra (mm/hr)
24. vol-Conv (10^6 kg/s)

25. orbit.YYYYMMDD.hhmmss.core#

allStorms_rain_XXX_v41.pro (no ZR calcs)

../class_data/rainAccum_v41/MM

File structure for:

raining_systems_MM_YYYY_XXX.dat

A row for each event

16 columns with the following info:

event >=2 pixels

- Shape

1. longitude
2. latitude
3. area (km²)
4. top height (km)
5. bottom height (km)
6. dim_X (deg)
7. dim_Y (deg)
8. terrain height (m)
9. 0=ocean, 1=land

- Near Sfc Rain

10. mean All (mm/hr)
11. mean Stra (mm/hr)
12. mean Conv (mm/hr)
13. vol All (10⁶ kg/s)
14. vol Stra (10⁶ kg/s)
15. vol Conv (10⁶ kg/s)

- Info Event

16. orbit.YYYYMMDD.hhmmss