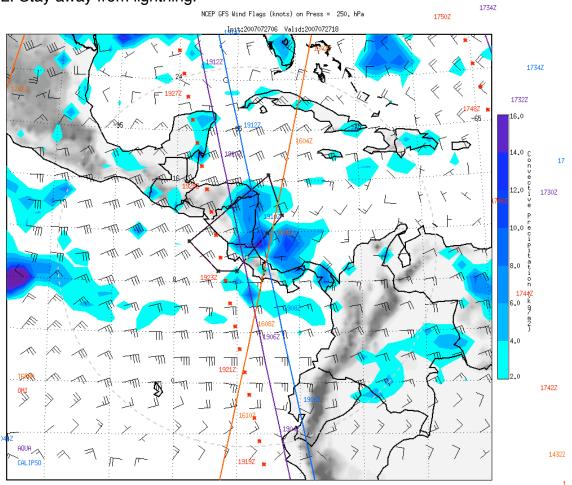
TC4 DC8 Science Flight: July 28, 2007 Tentative Flight Plan

Flight Scientists: P. Wennberg Sortie: TBD Pilots: Bill Brockett and Mike Fuller Takeoff (SJO): 1245 UTC Landing (SJO): 1900 UTC (1:00 PM local) Duration: 6:15

Objectives:

- 1. Examine the removal / redistribution of Saharan dust between the Caribbean and the Pacific.
- 2. Stay away from lightning.



Total Precip.; Winds at 240 mb valid 18Z on flight day.

Flight Profile. We will find clear air in the Caribbean and run north in the boundary layer. We will use the LIDAR to determine the altitude of the dust layer. We will return directly above the low level track at the altitude of the peak dust loading. At the south end, we will spiral to 35 Kft and run one last time above the same track before heading west to the Pacific. We will repeat a similar "wall" on the Pacific from top to bottom before returning to SJO.