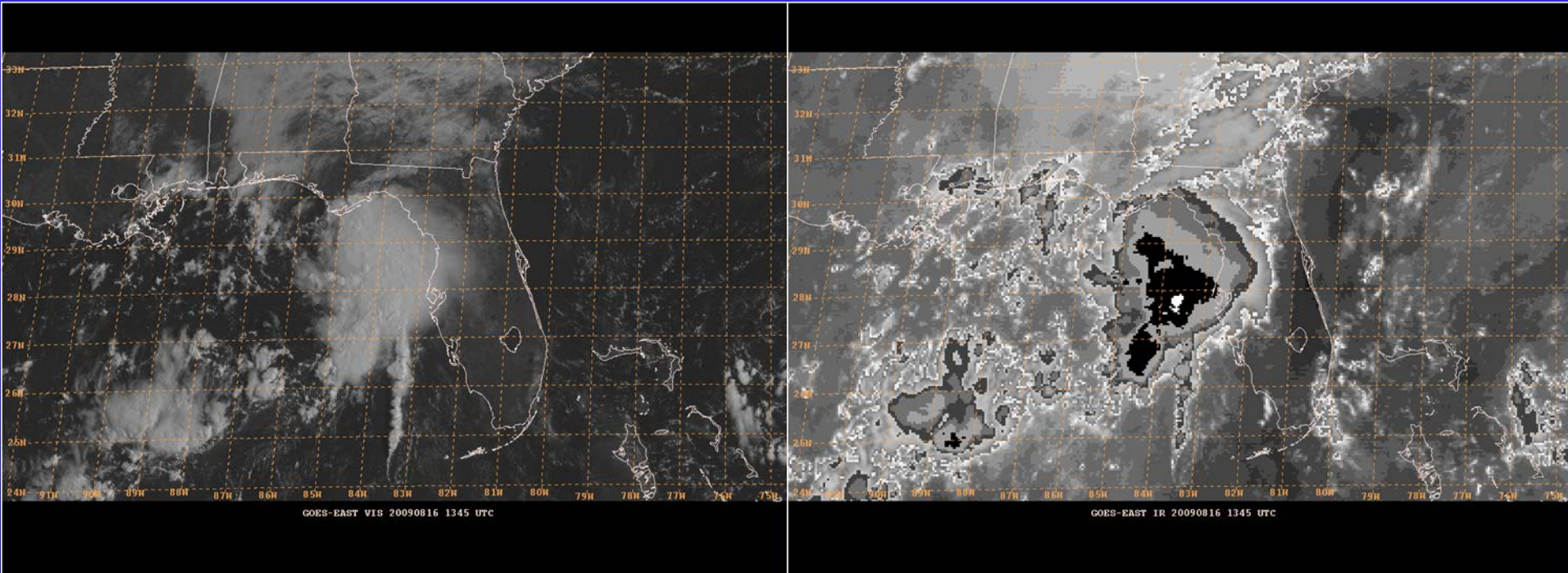
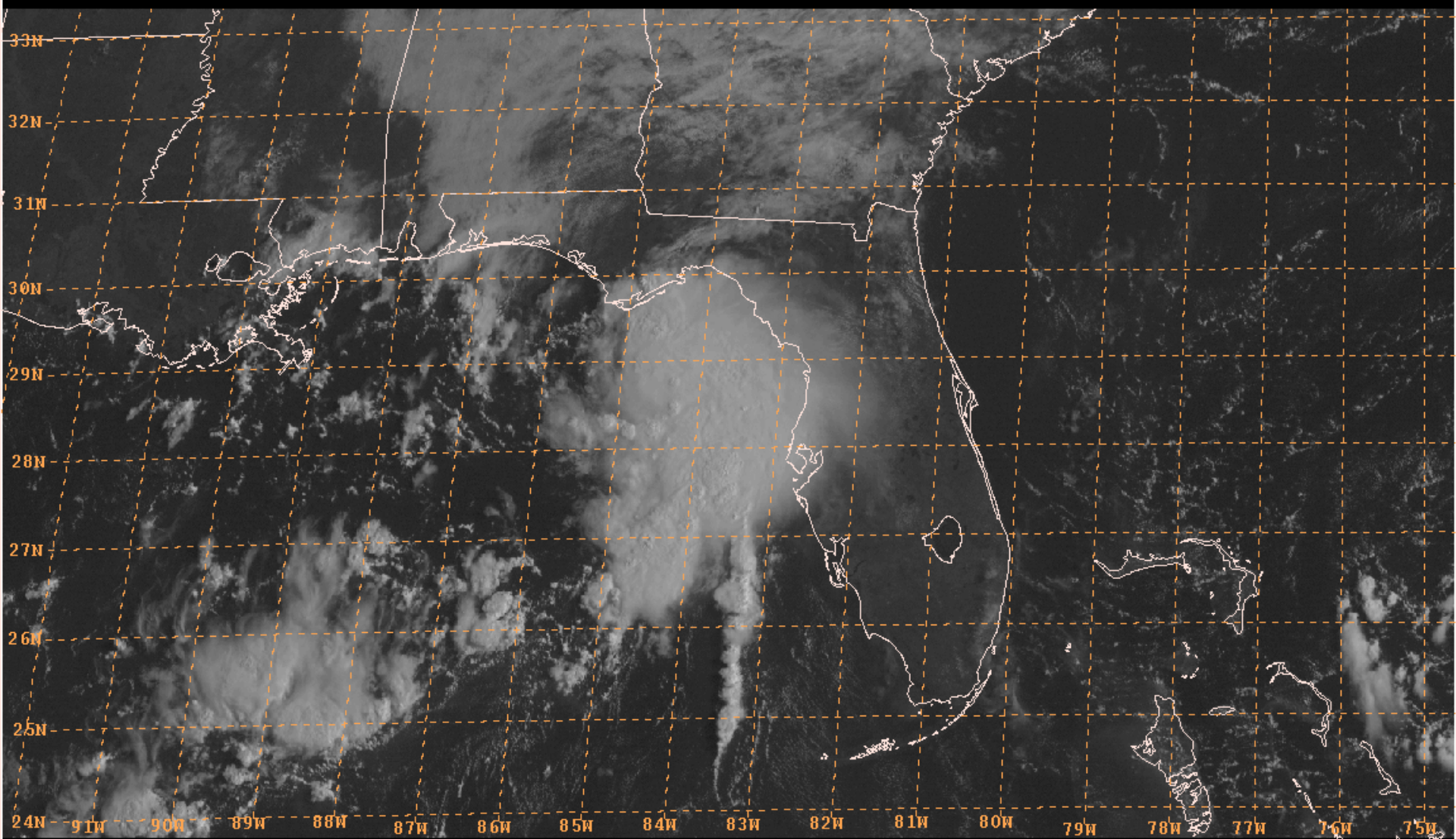


Dvorak Center Location Exercises

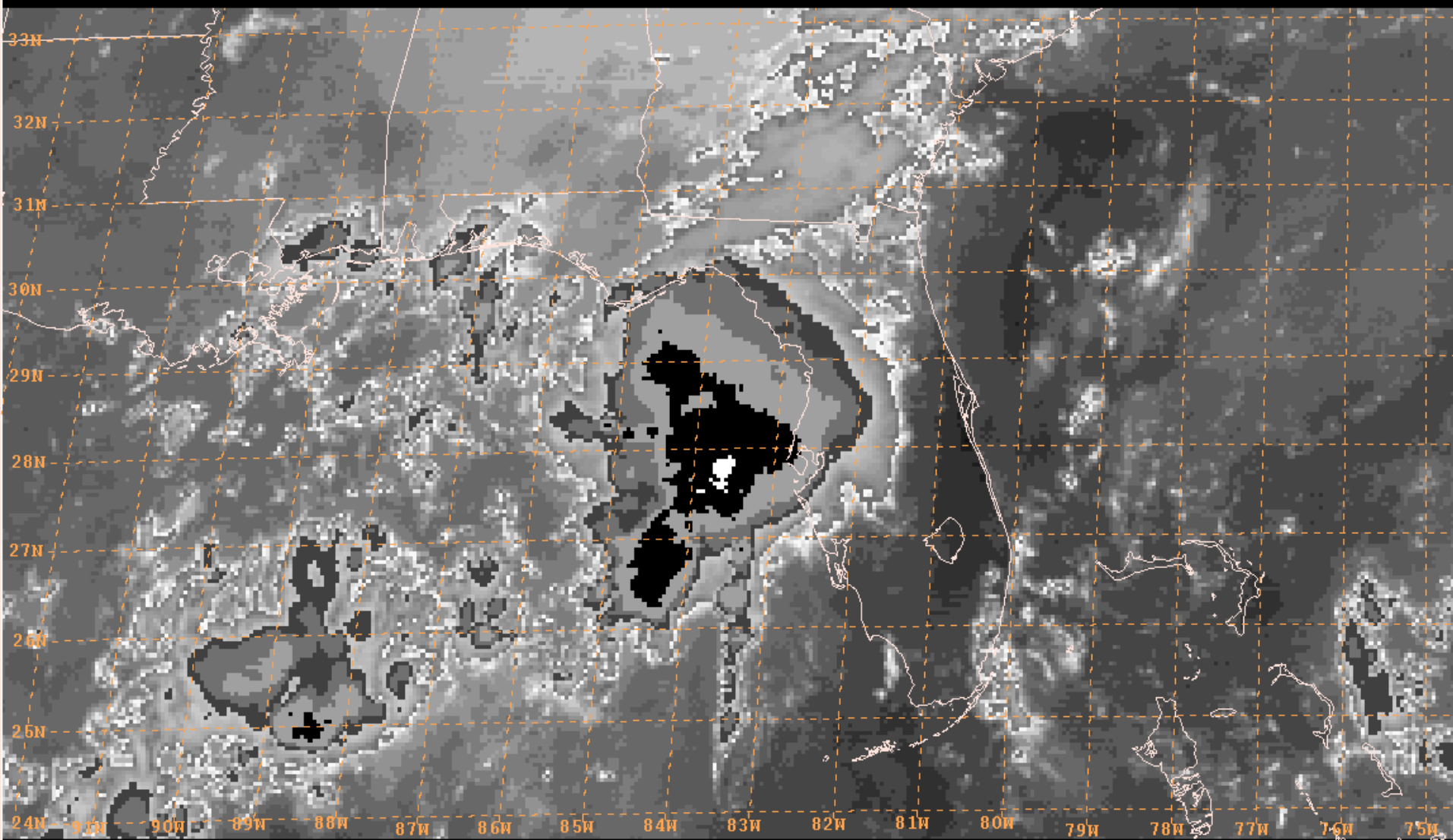
Objective: To locate the cloud system centers (CSCs) of the following examples of tropical weather systems.

Center Location Exercise 1



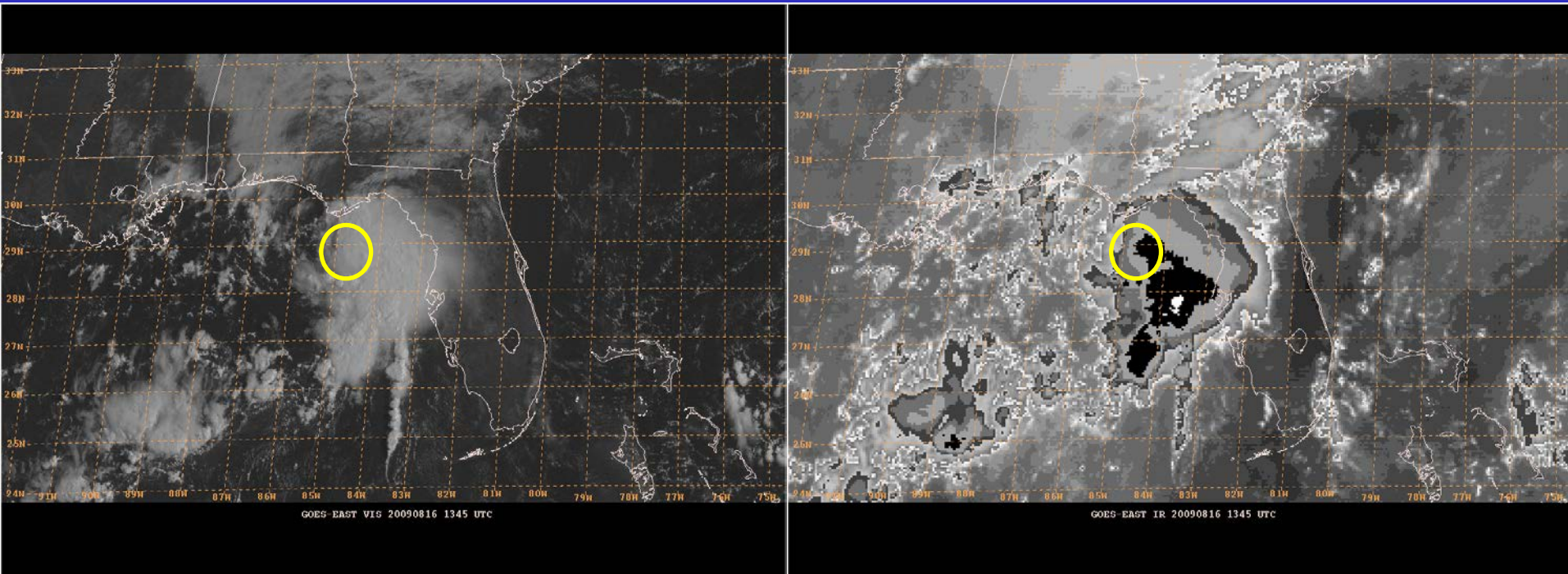


GOES-EAST VIS 20090816 1345 UTC



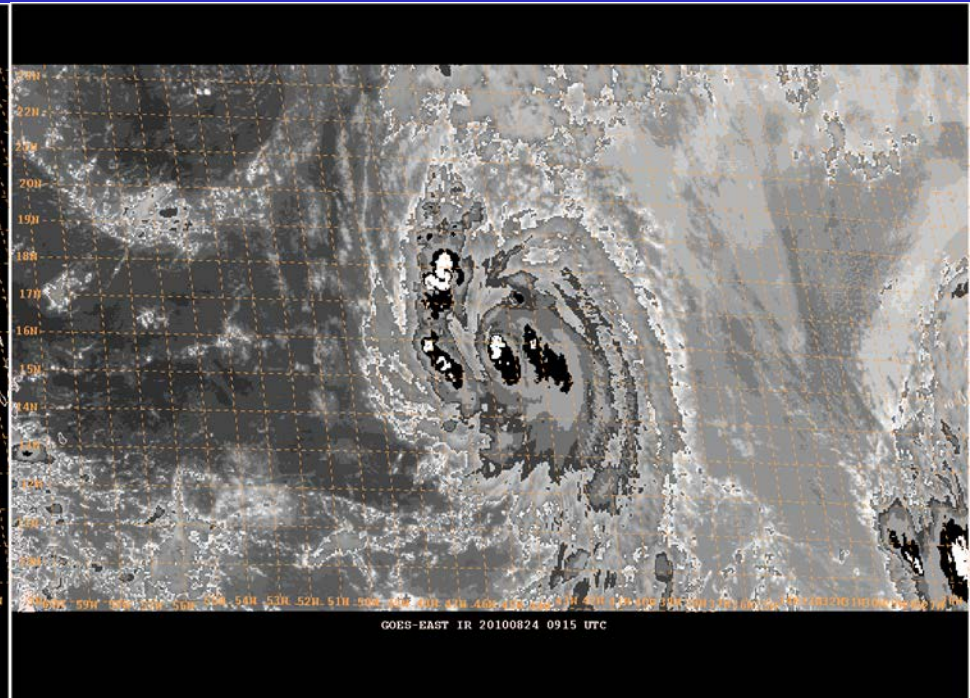
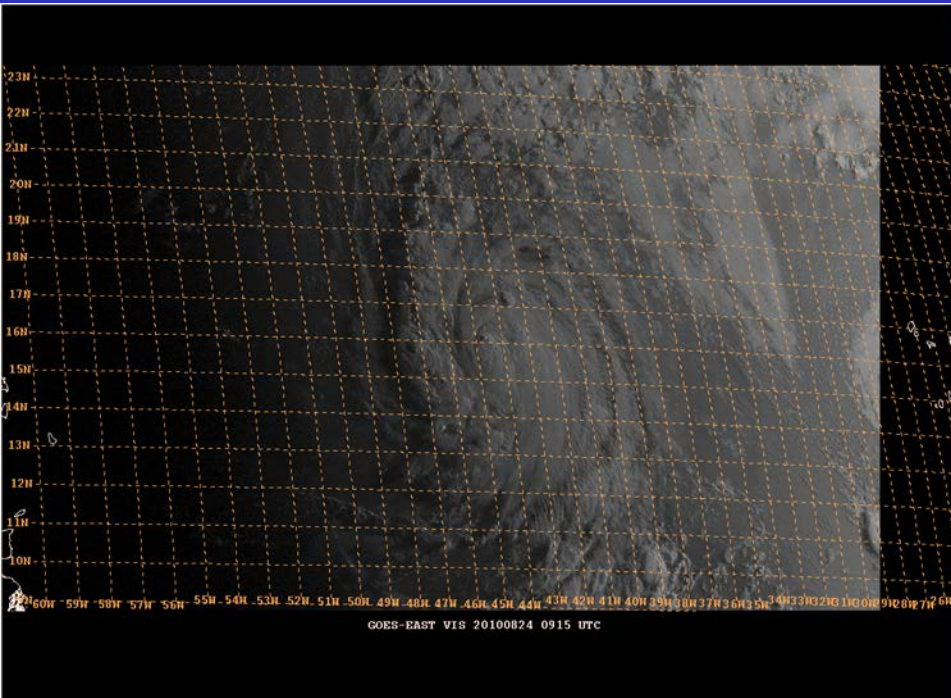
GOES-EAST IR 20090816 1345 UTC

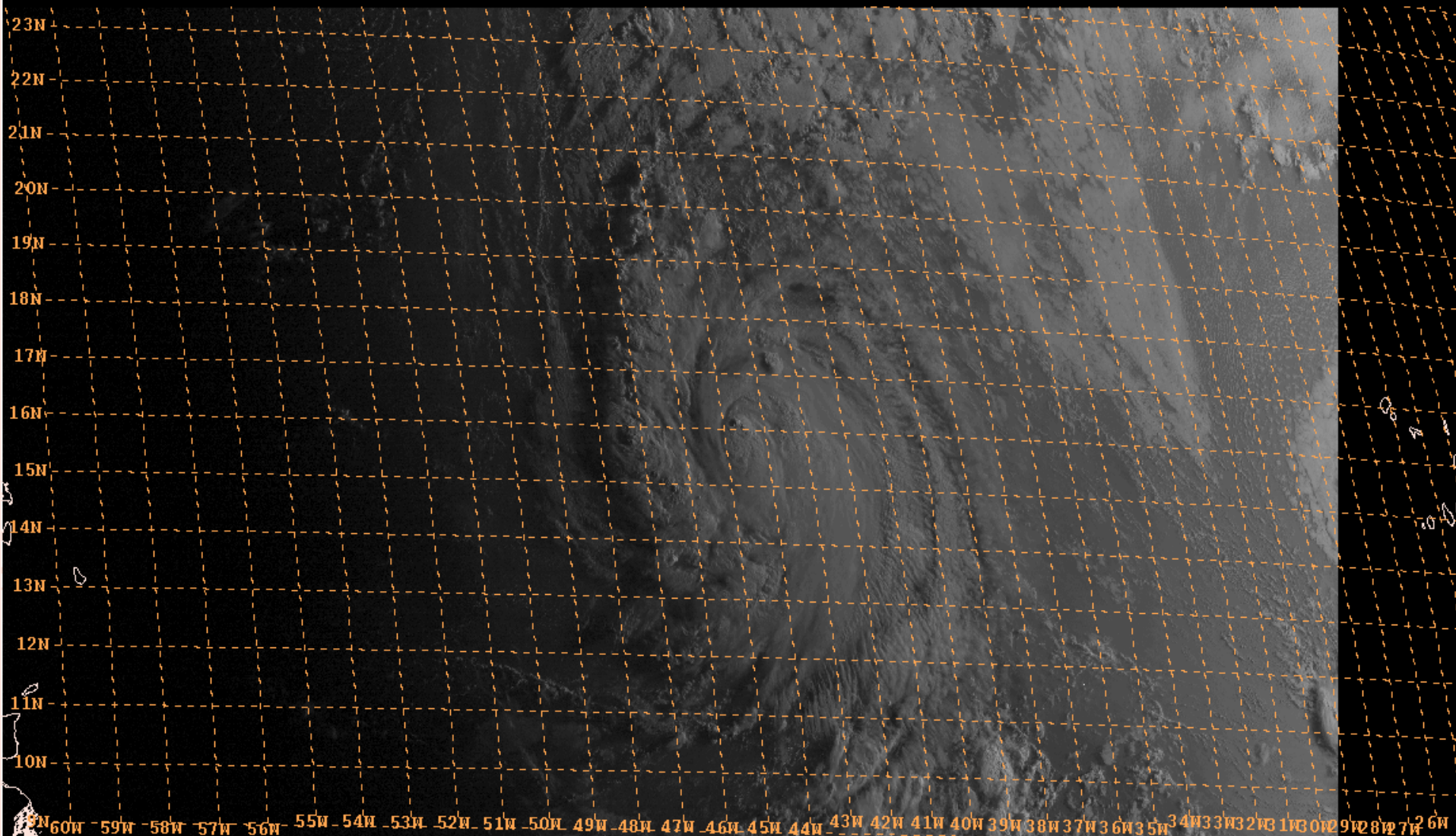
Center Location Exercise 1



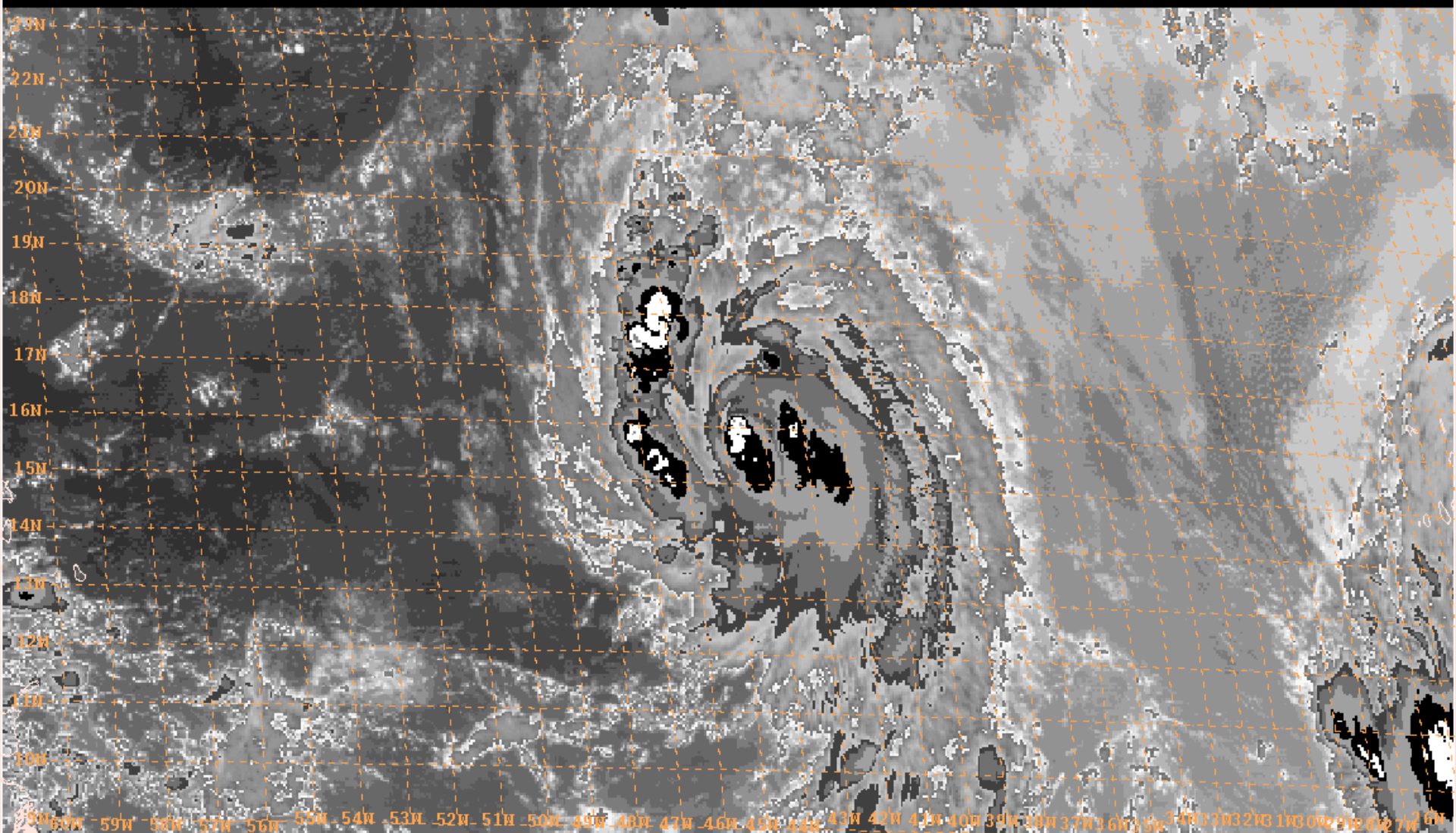
Interpolated Best Track Position: 16/1500Z 28.7N 84.7W
Tropical Storm Claudette August 2009

Center Location Exercise 2



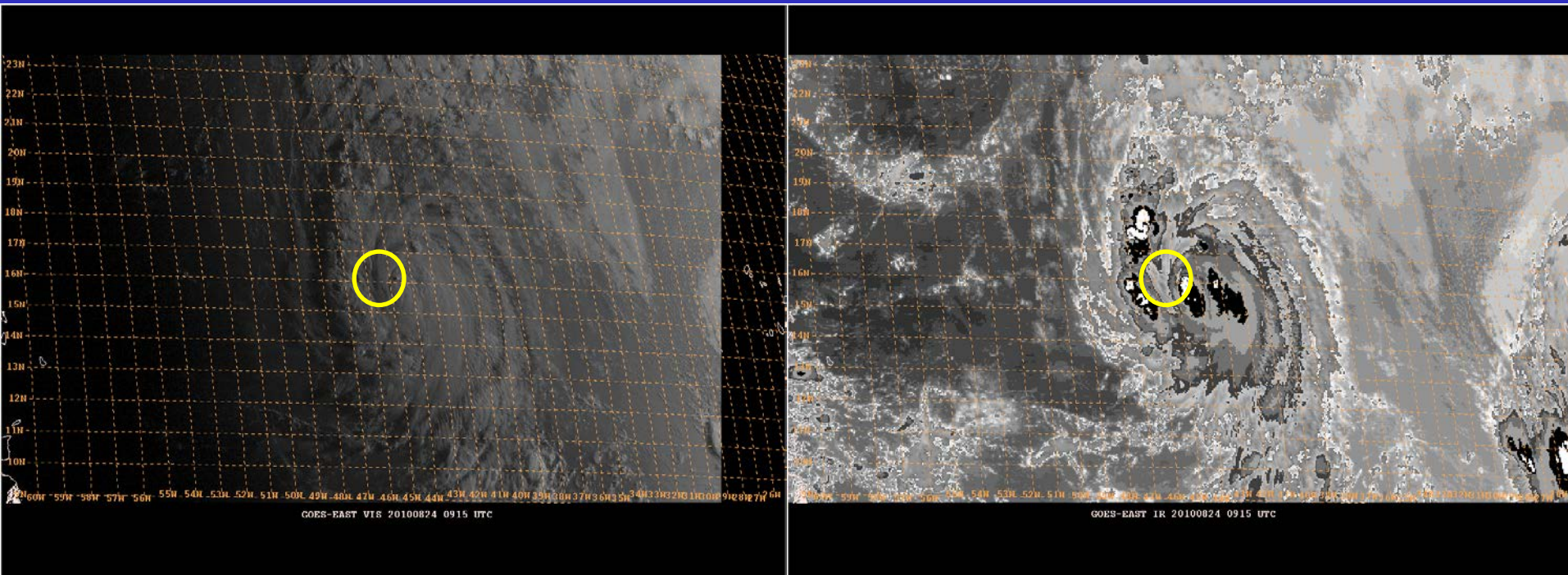


GOES-EAST VIS 20100824 0915 UTC



GOES-EAST IR 20100824 0915 UTC

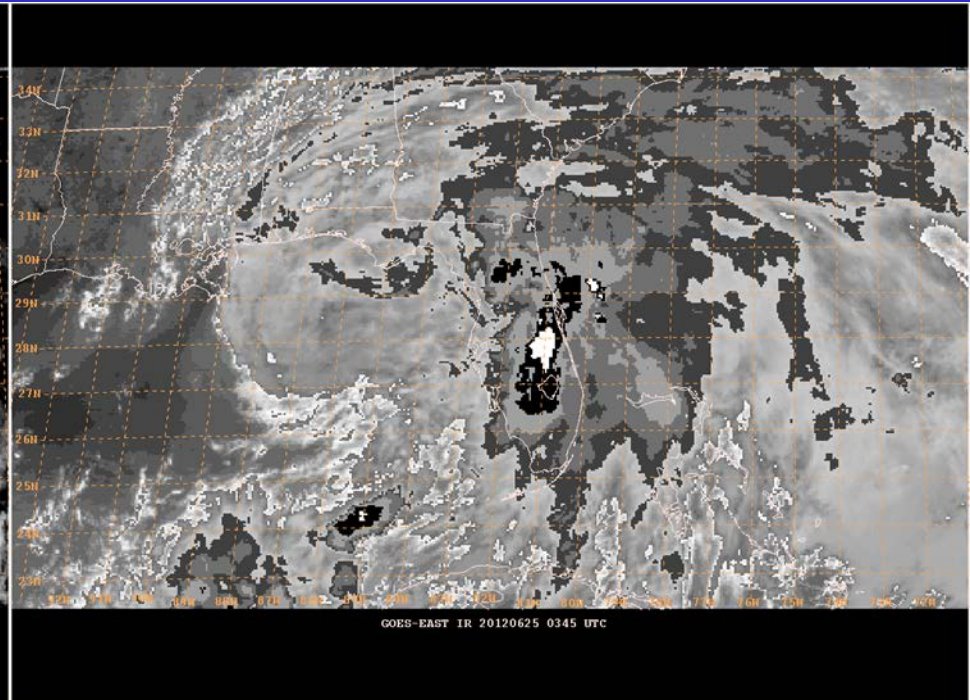
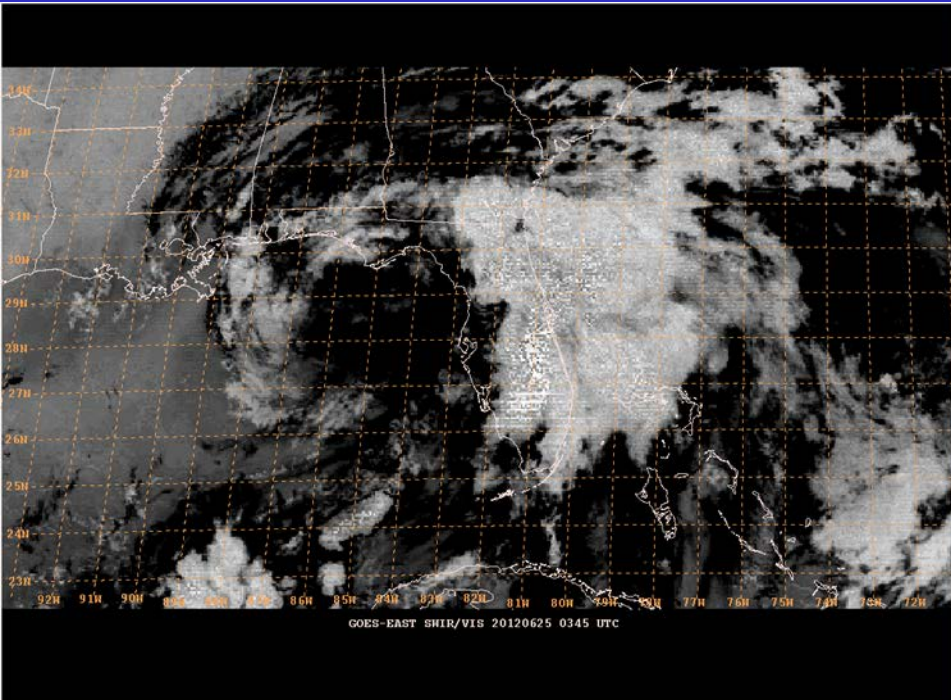
Center Location Exercise 2

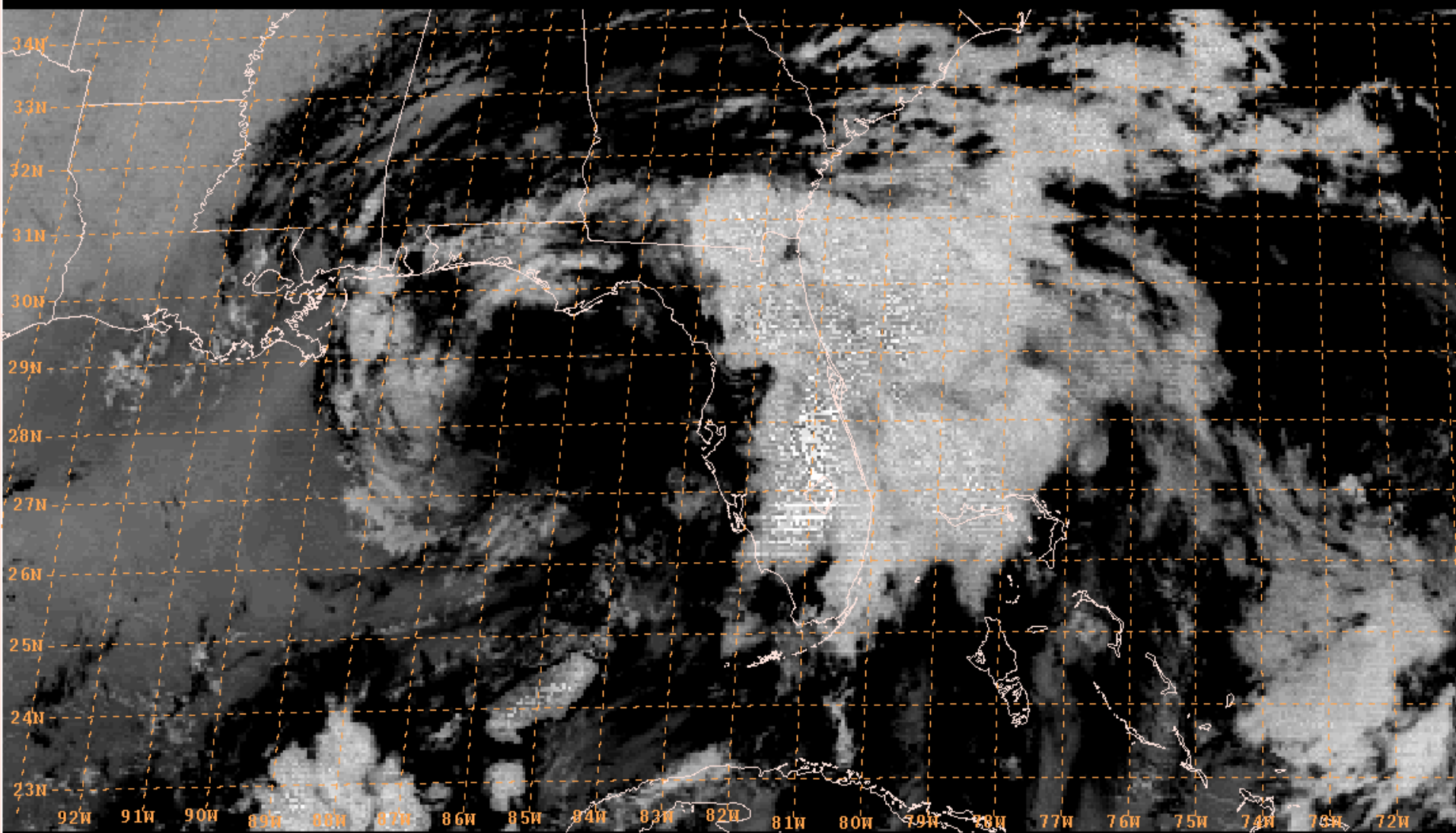


Best Track Position: 24/1200Z 16.2N 45.8W

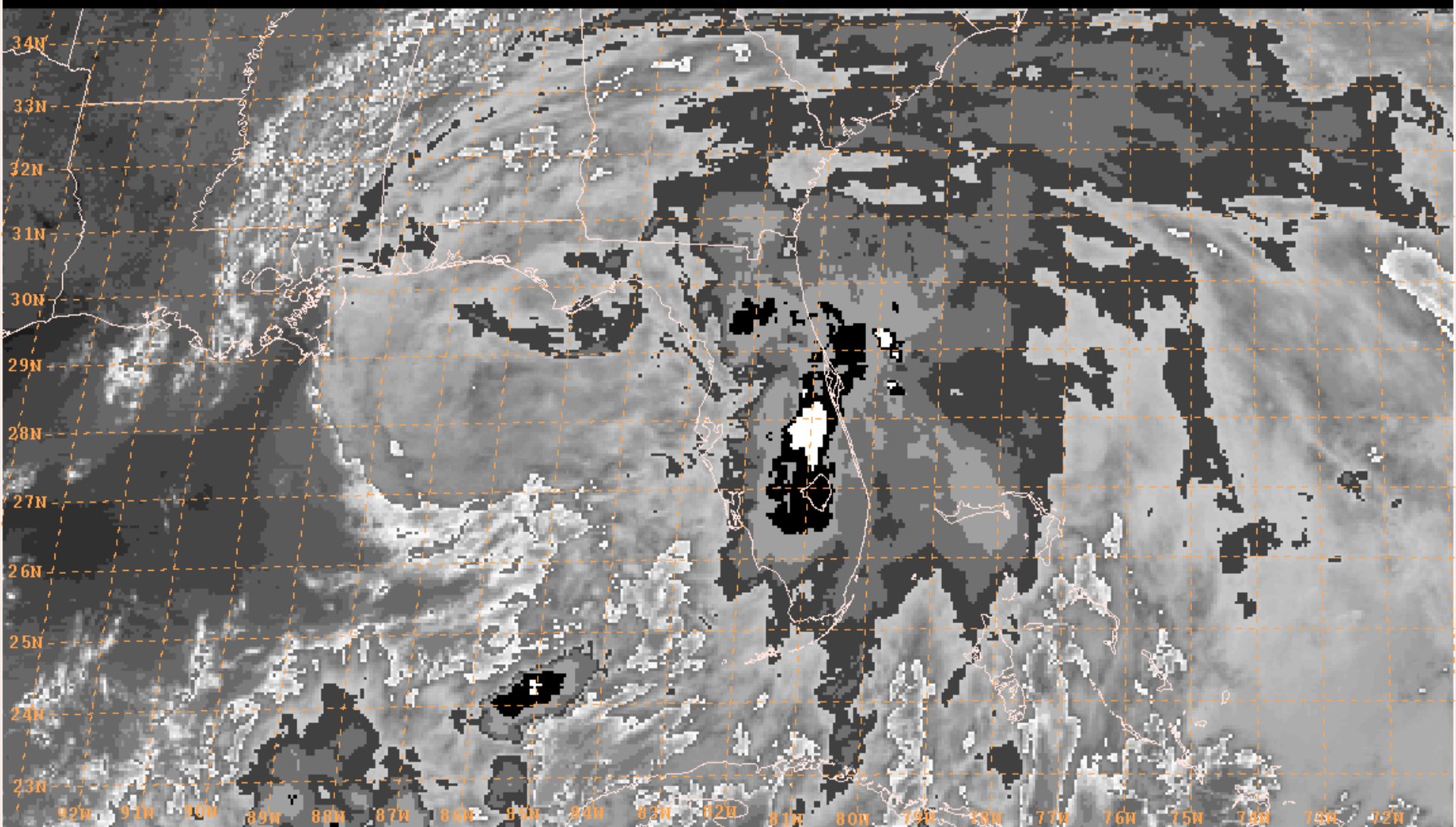
Hurricane Danielle August 2010

Center Location Exercise 3



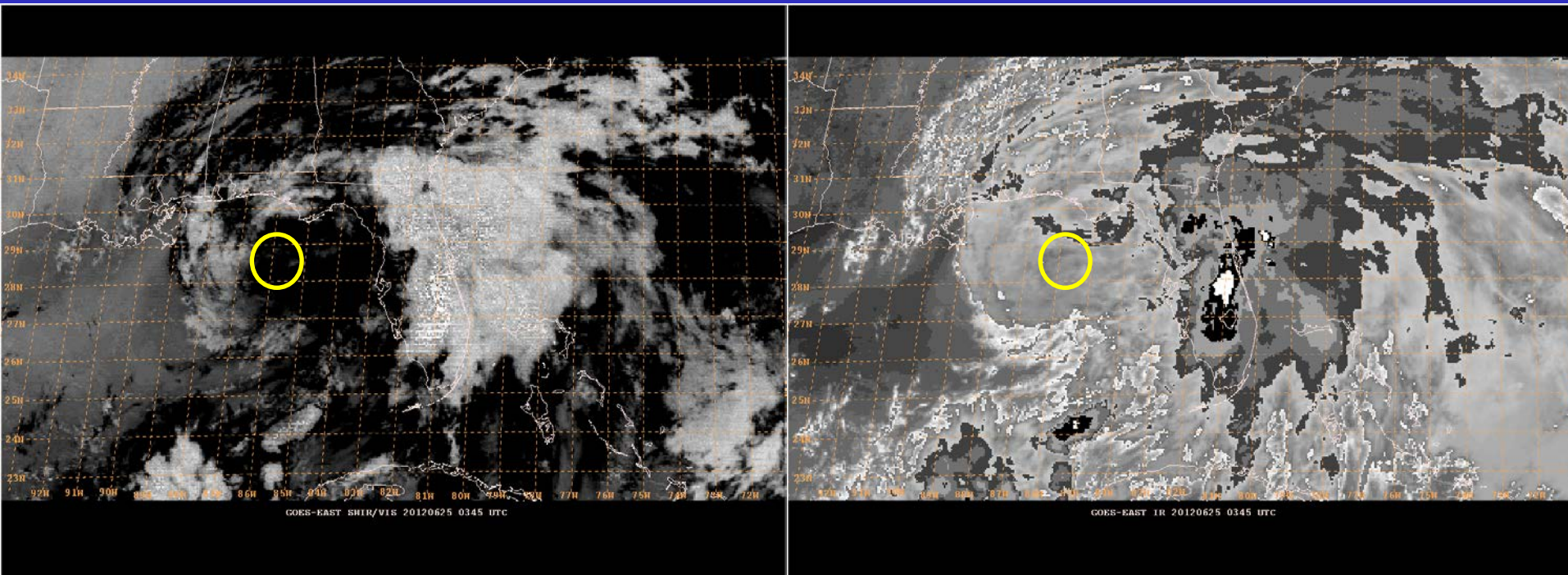


GOES-EAST SWIR/VIS 20120625 0345 UTC



GOES-EAST IR 20120625 0345 UTC

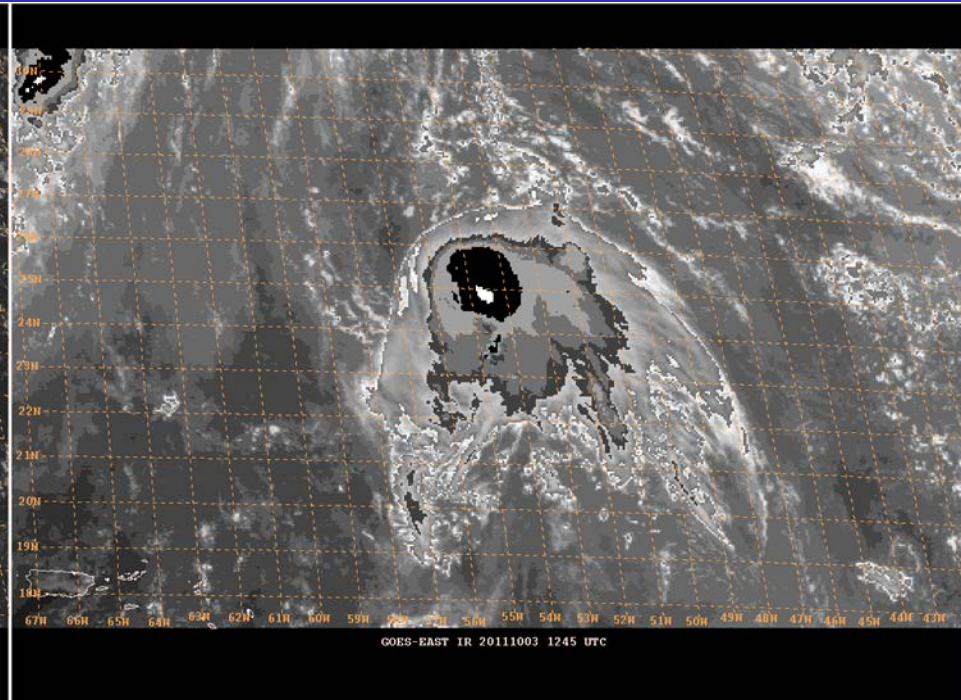
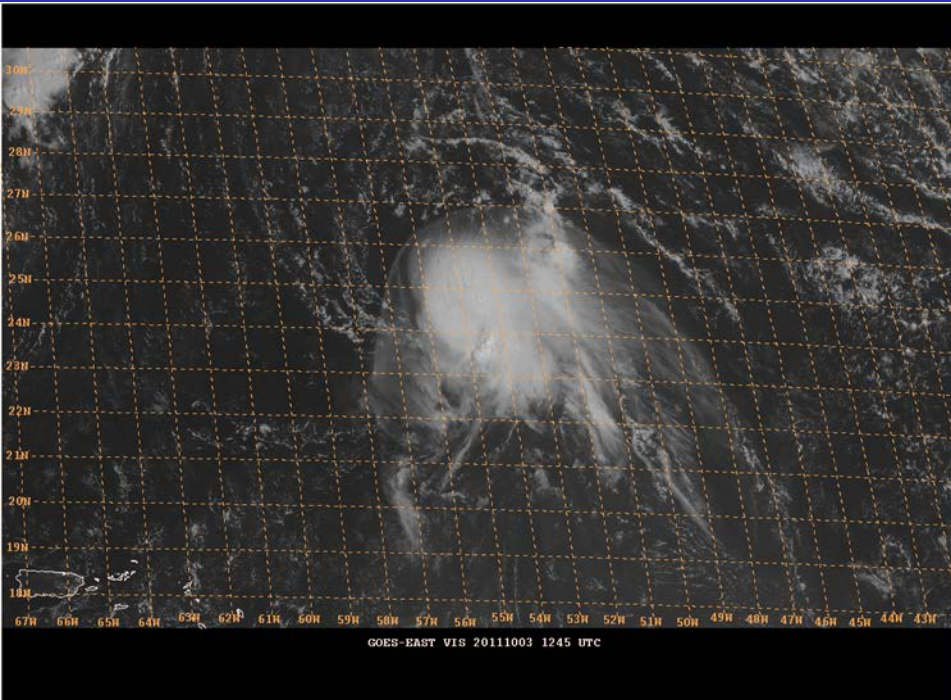
Center Location Exercise 3

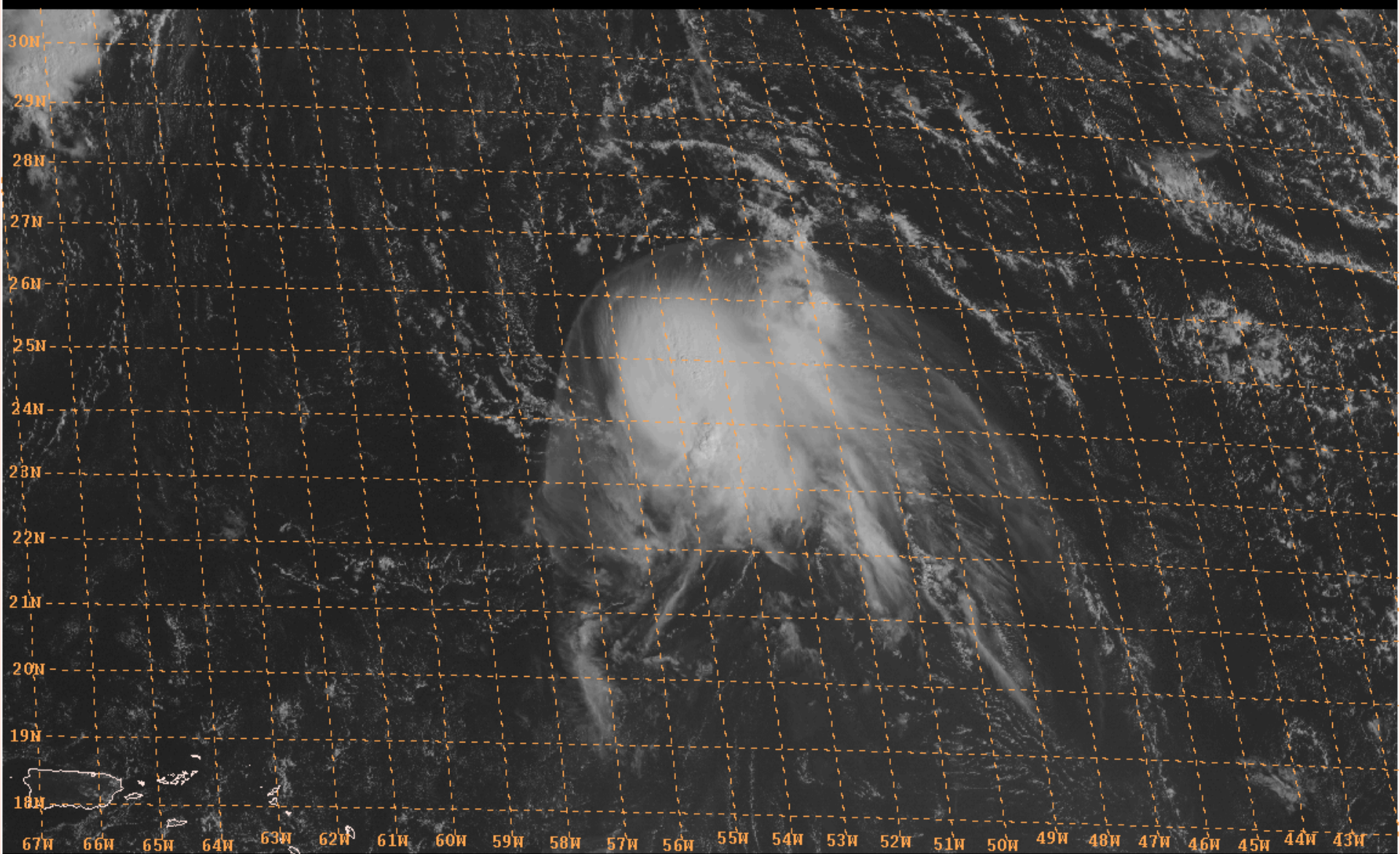


Best Track Position: 25/0600Z 28.6N 85.8W

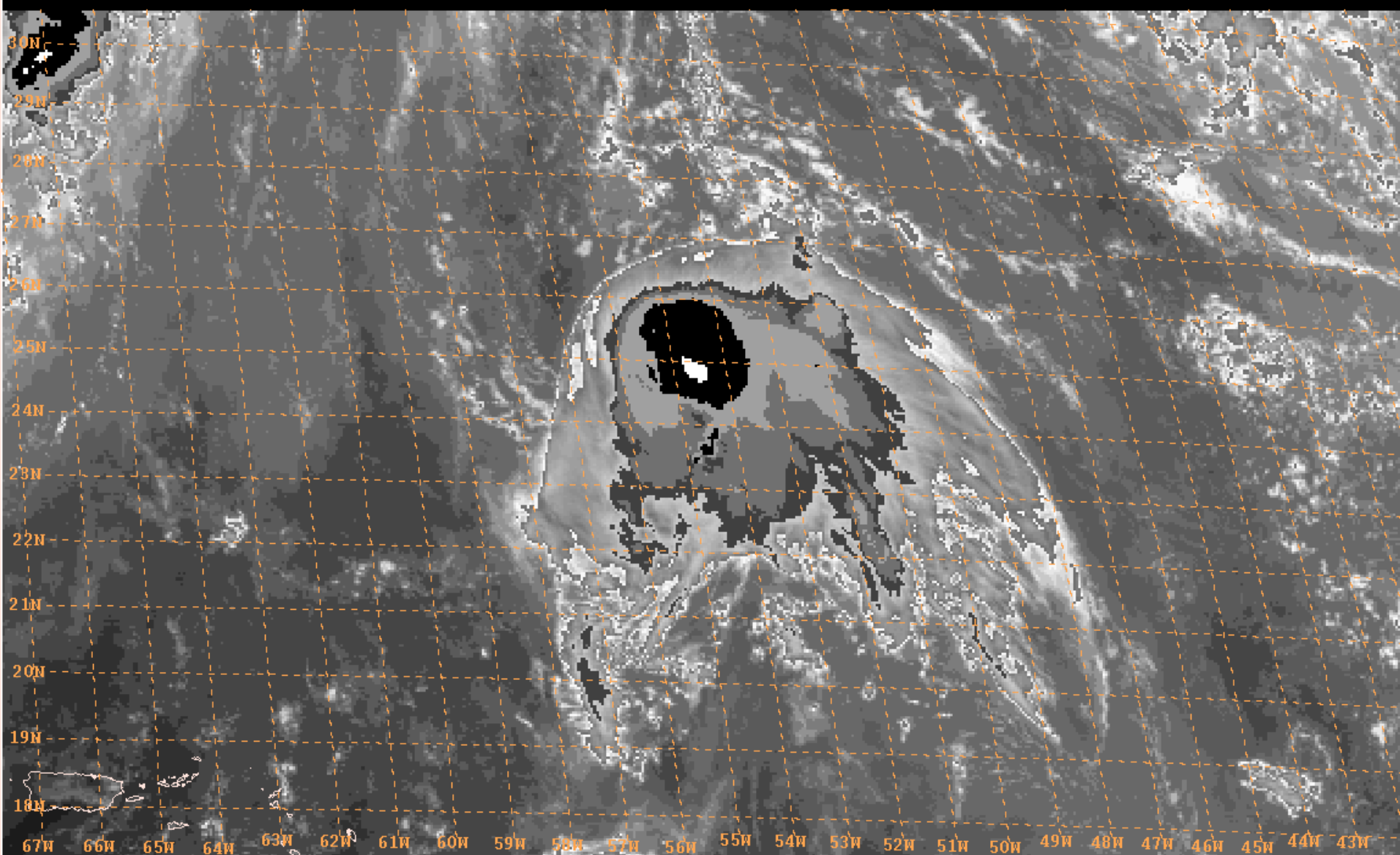
Tropical Storm Debby June 2012

Center Location Exercise 4



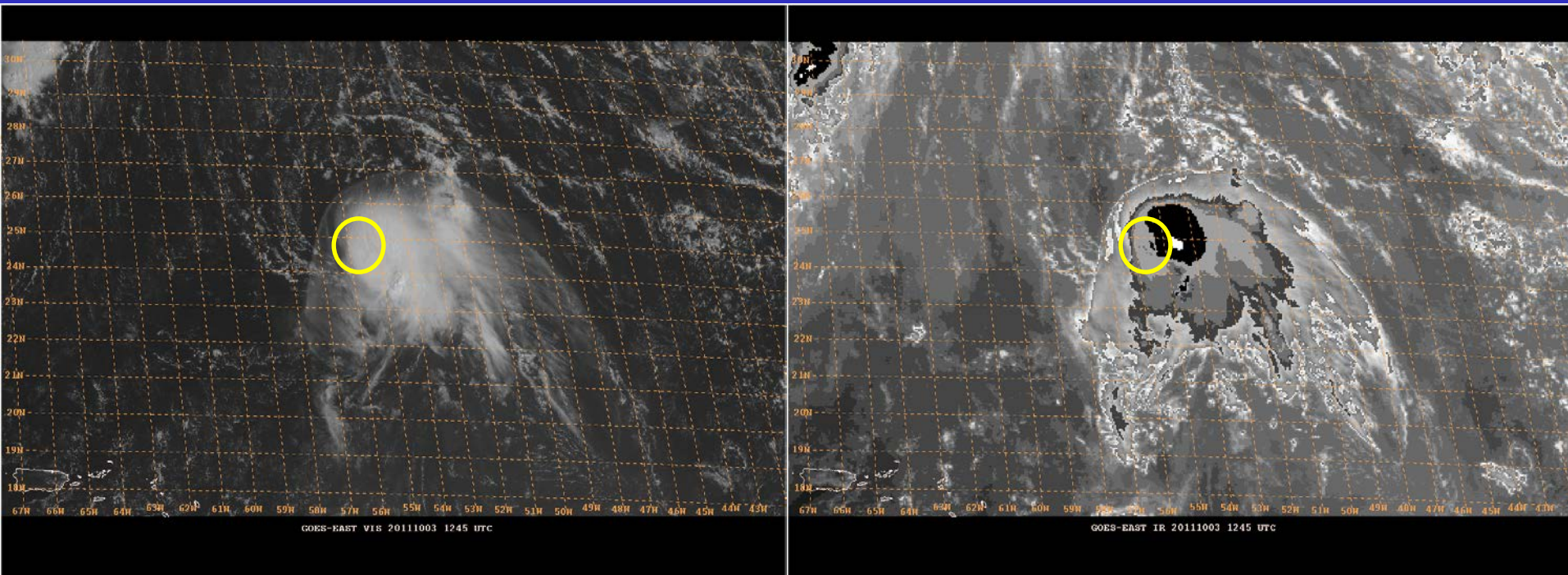


GOES-EAST VIS 20111003 1245 UTC



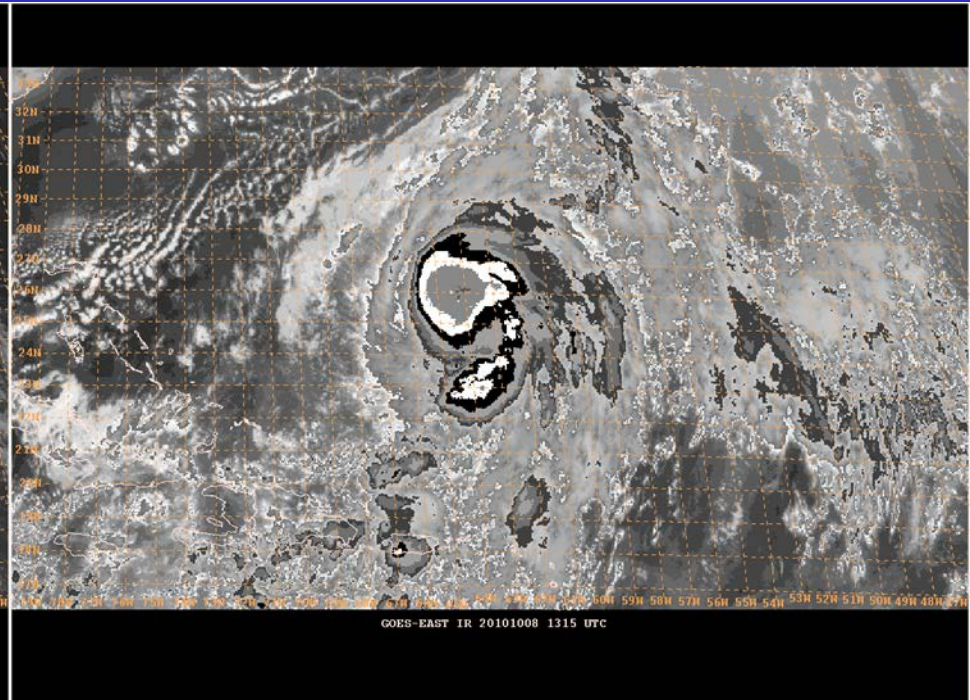
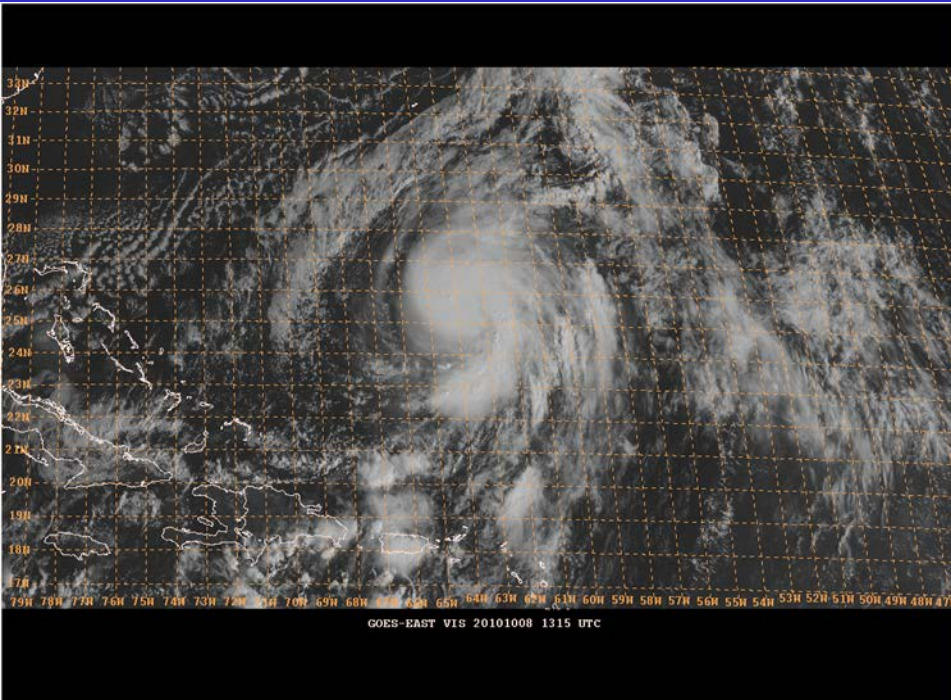
GOES-EAST IR 20111003 1245 UTC

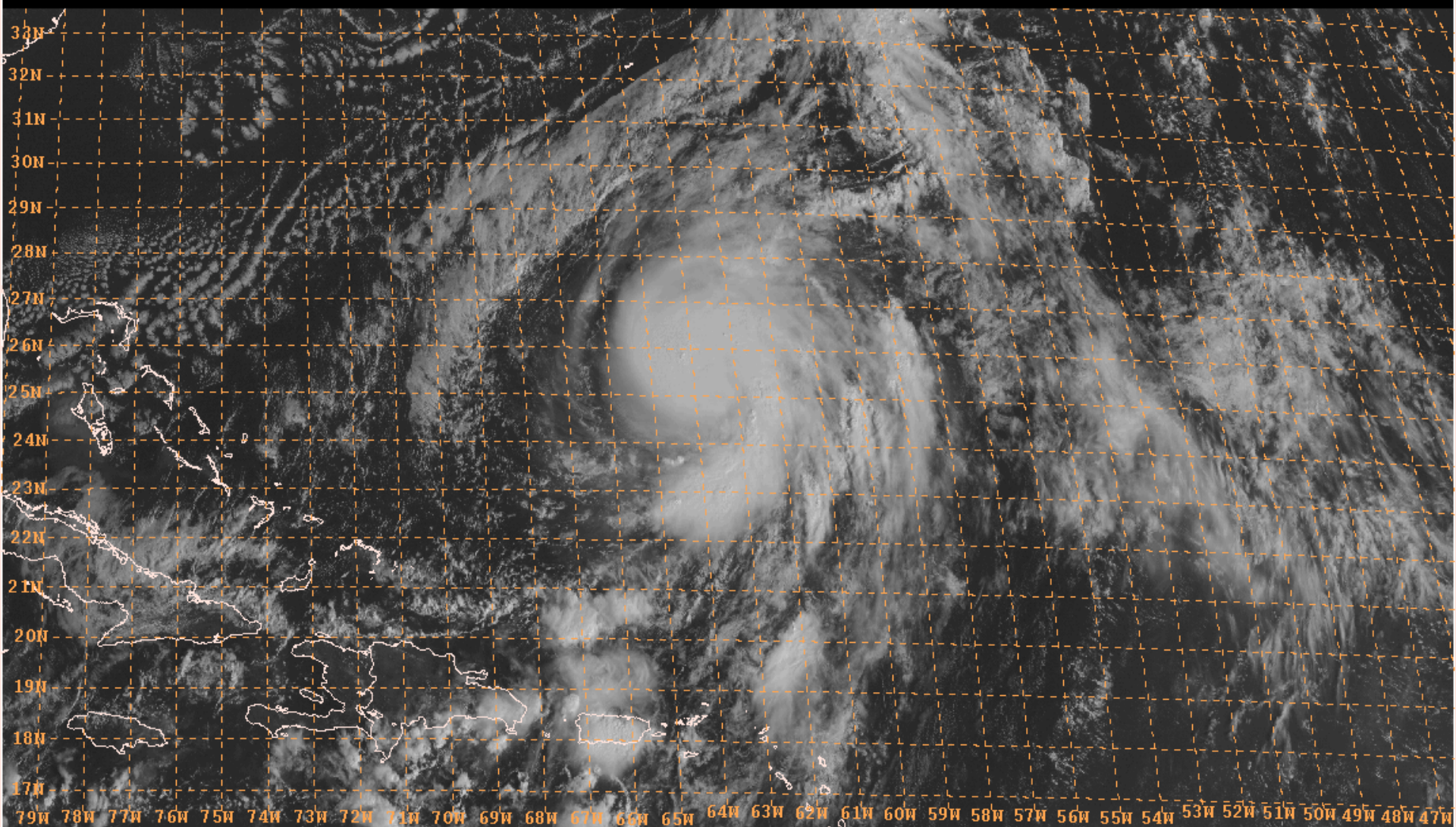
Center Location Exercise 4



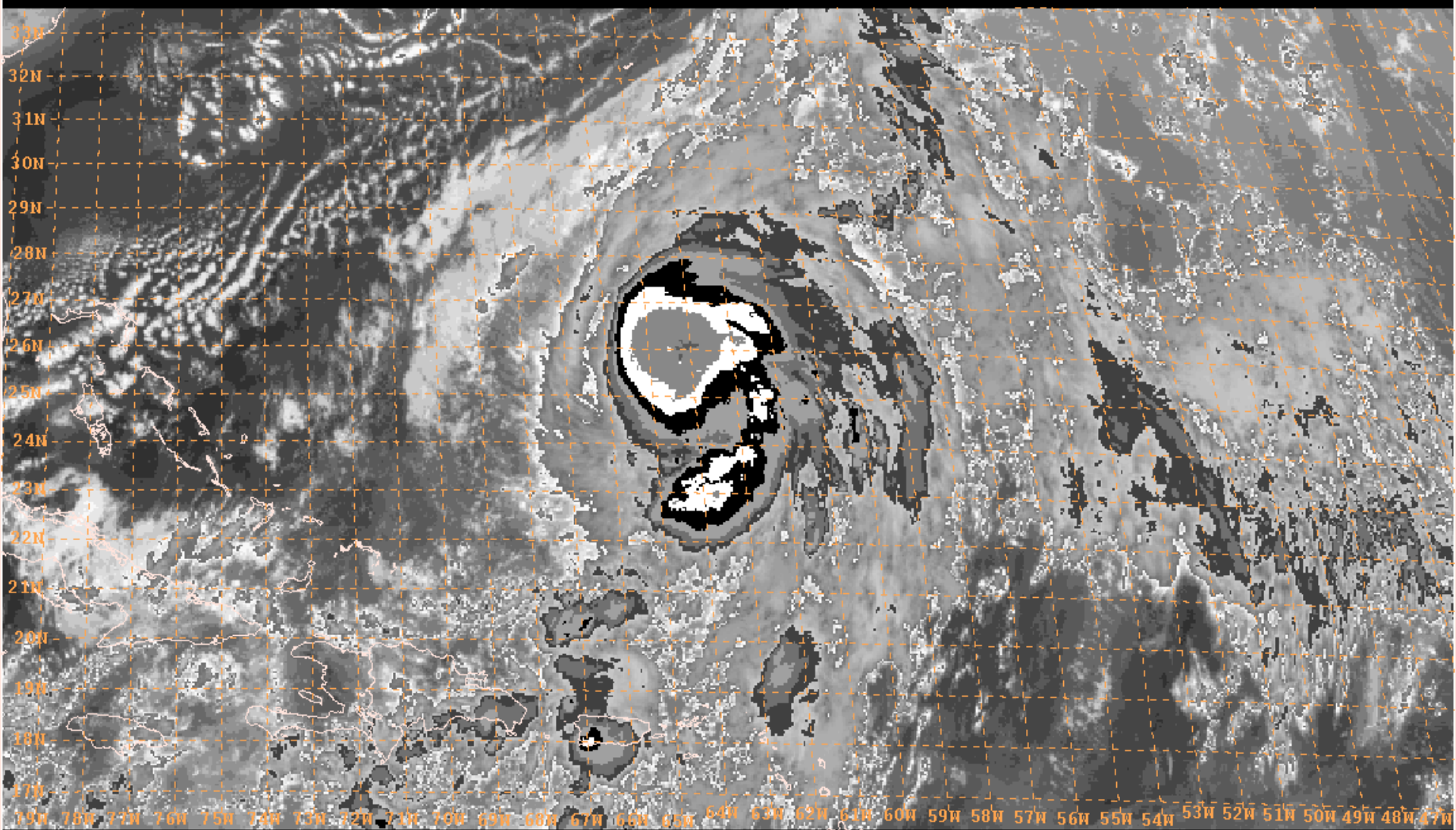
Interpolated Best Track Position: 03/1500Z 24.6N 55.2W
Tropical Storm Philippe October 2011

Center Location Exercise 5



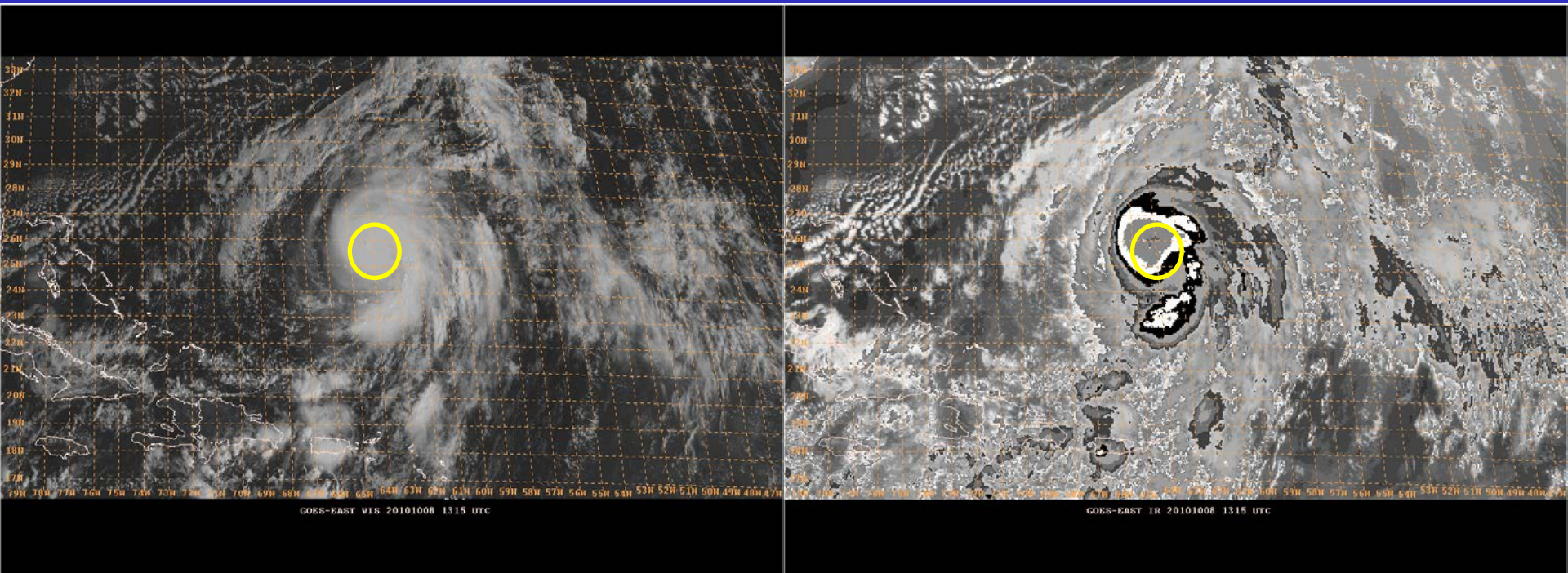


GOES-EAST VIS 20101008 1315 UTC



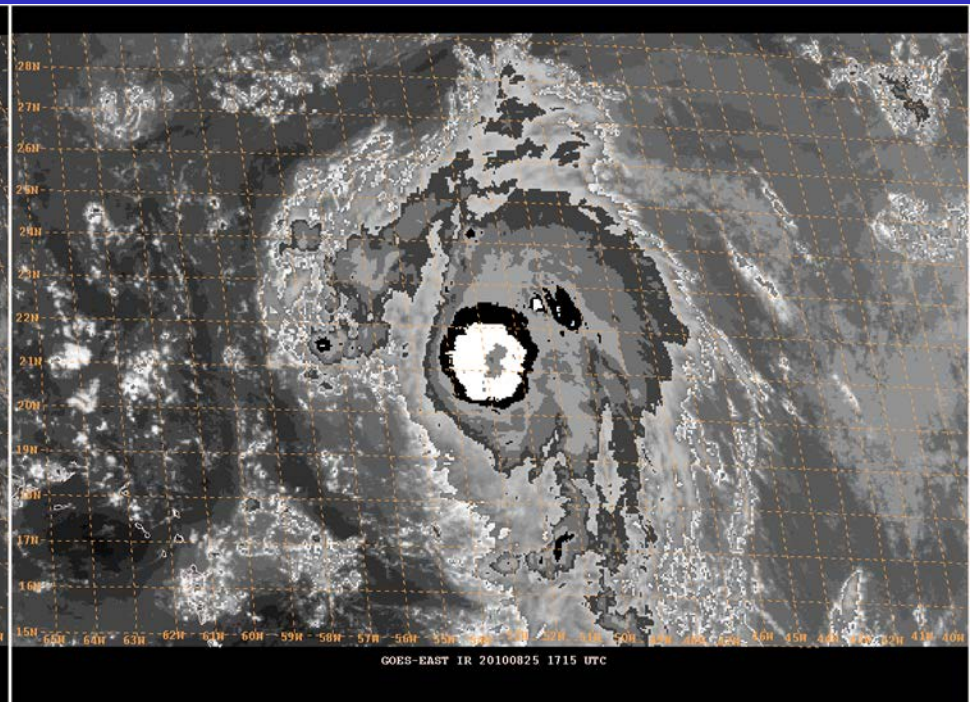
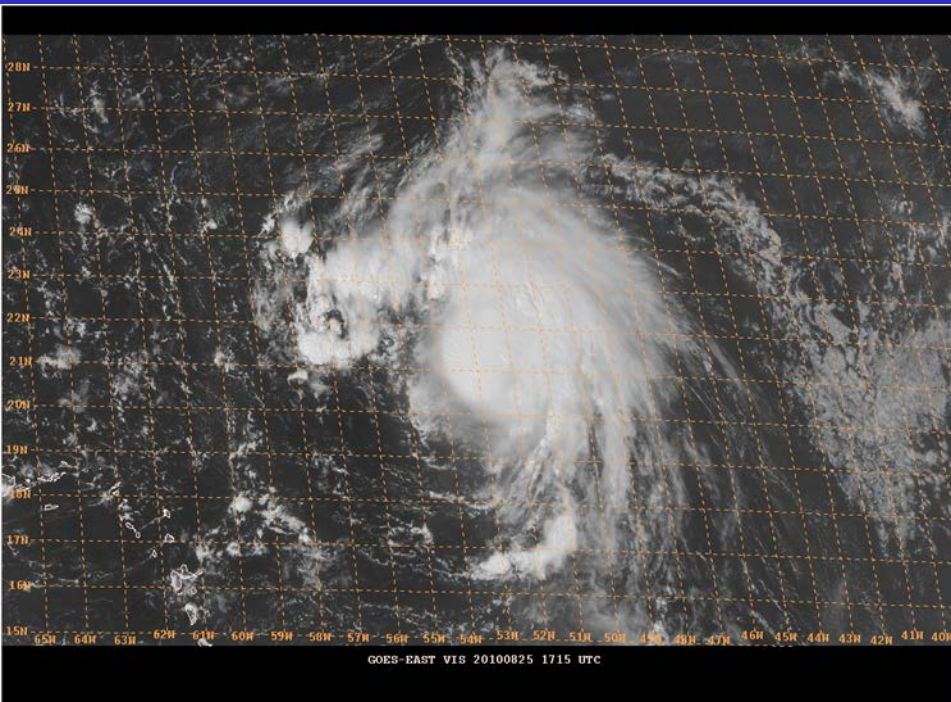
GOES-EAST IR 20101008 1315 UTC

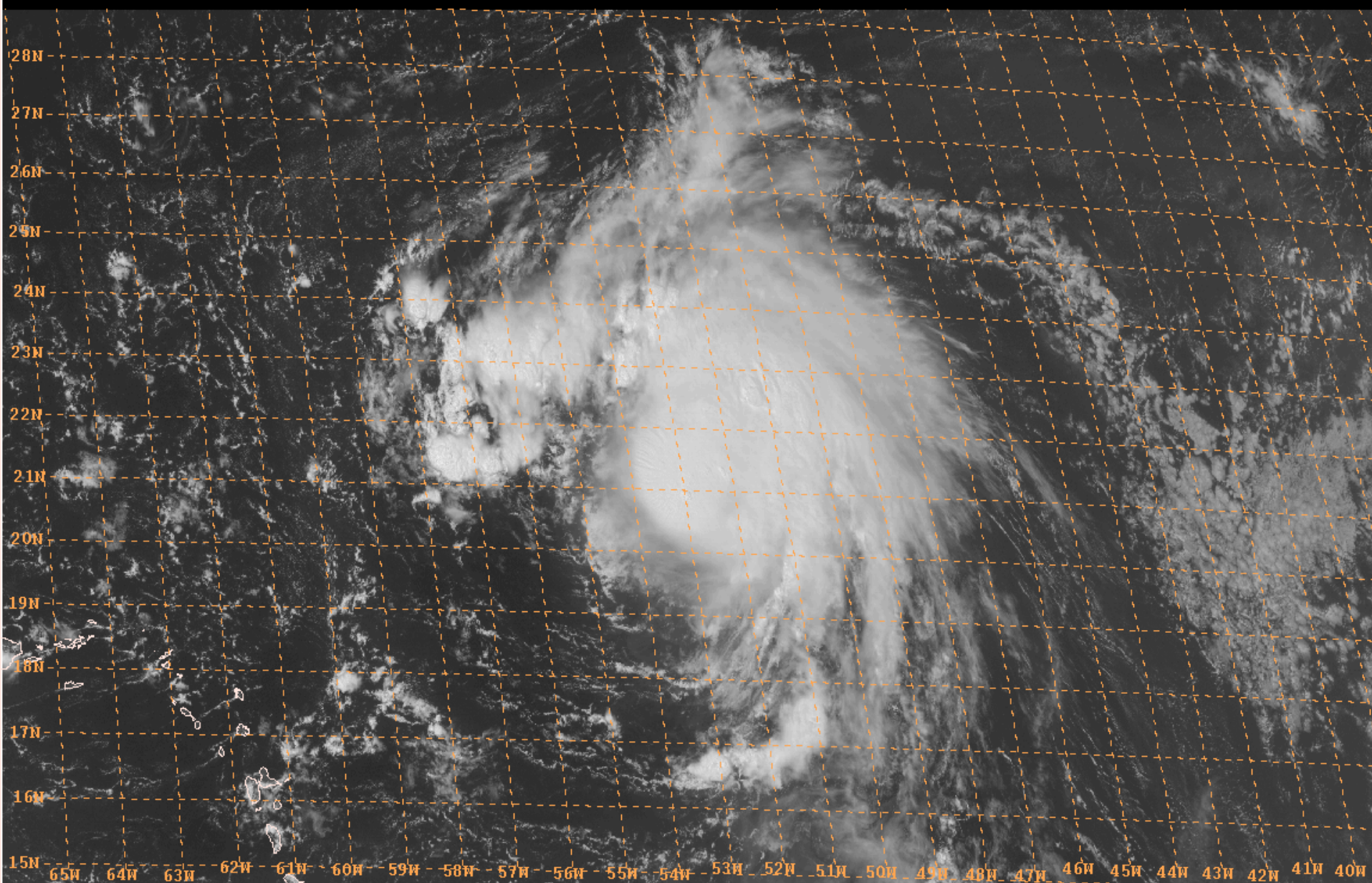
Center Location Exercise 5



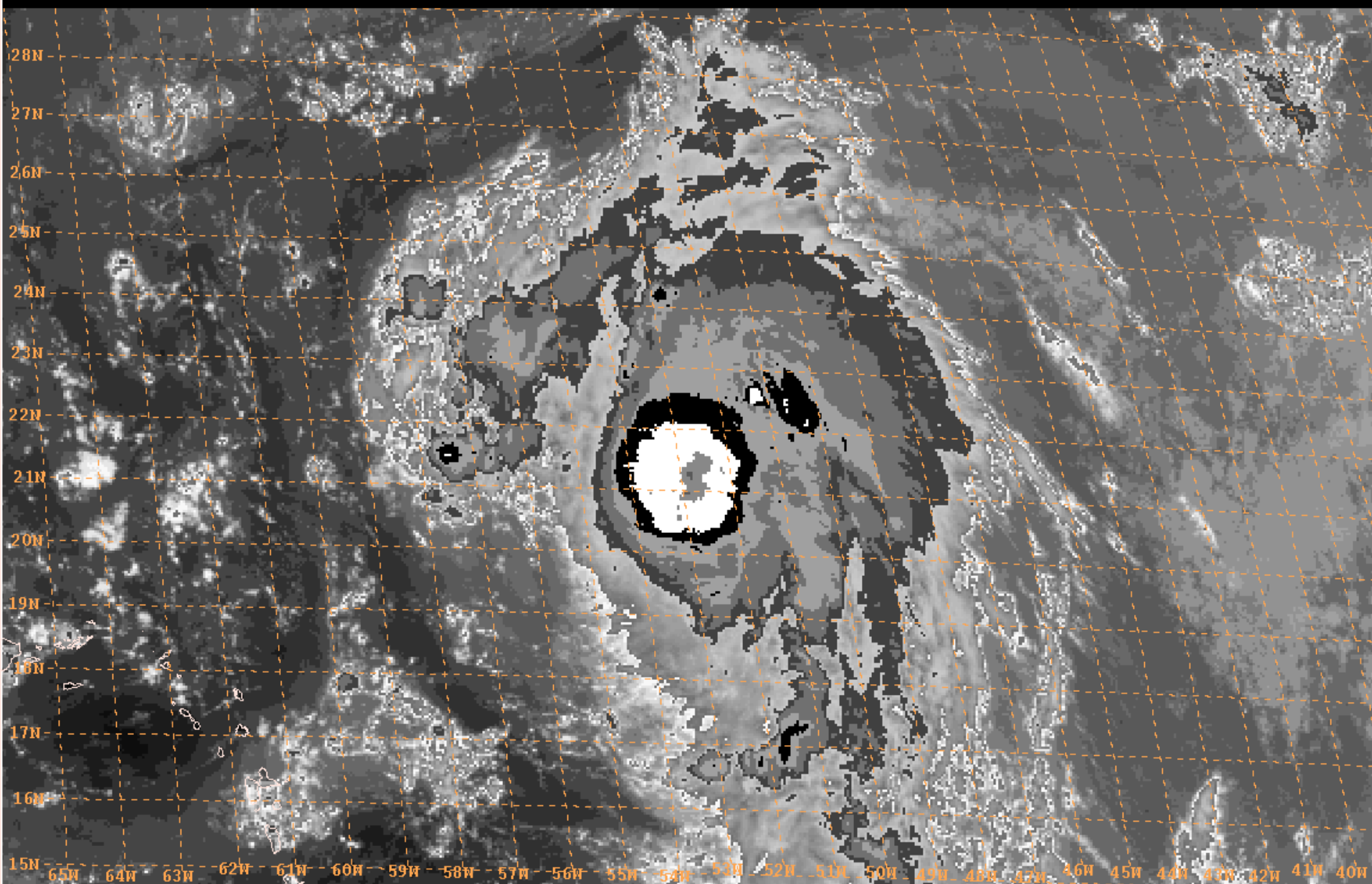
Interpolated Best Track Position: 08/1500Z 25.7N 64.0W
Hurricane Otto October 2010

Center Location Exercise 6



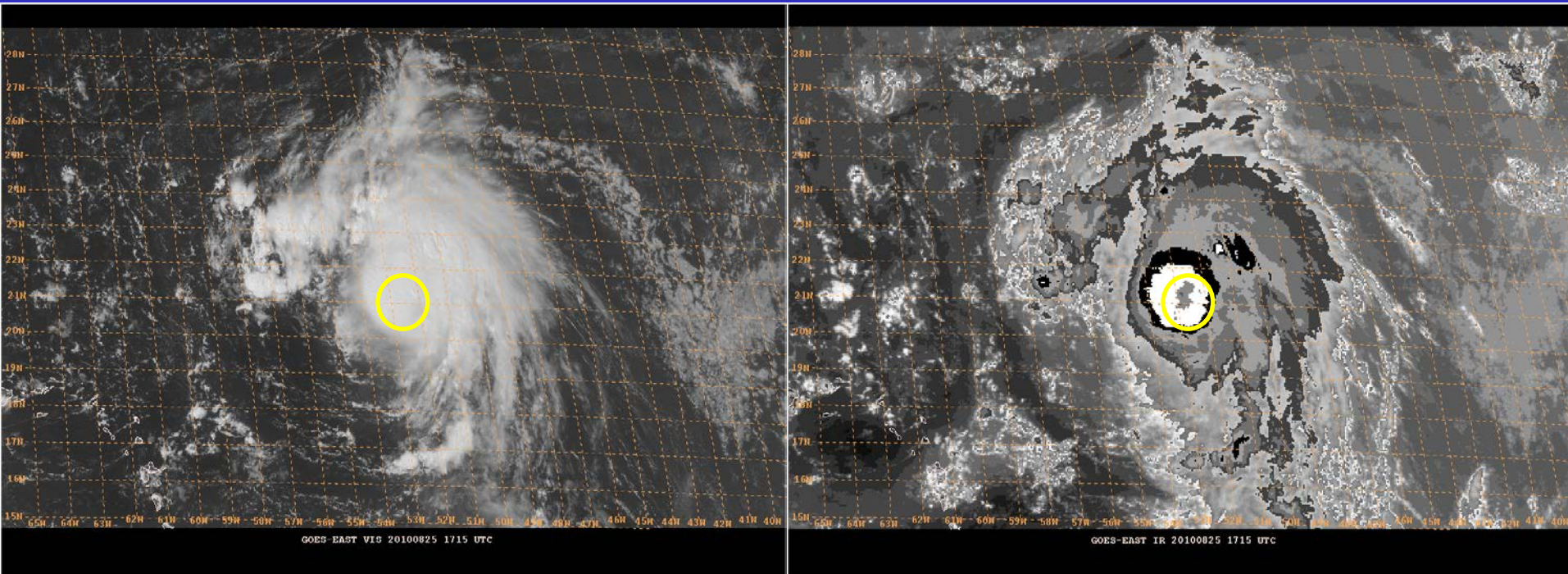


GOES-EAST VIS 20100825 1715 UTC



GOES-EAST IR 20100825 1715 UTC

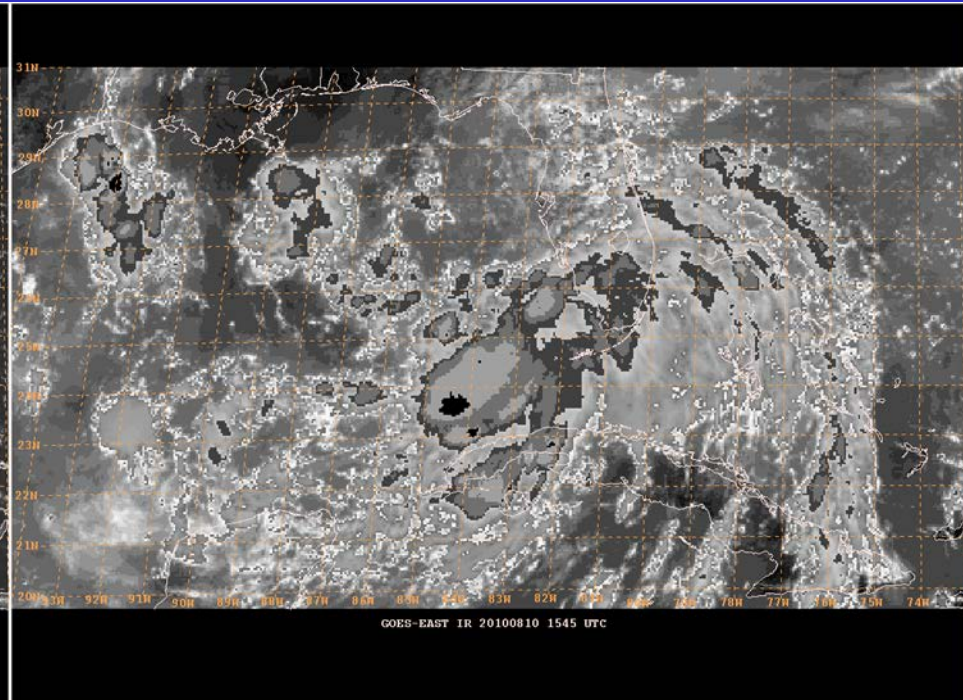
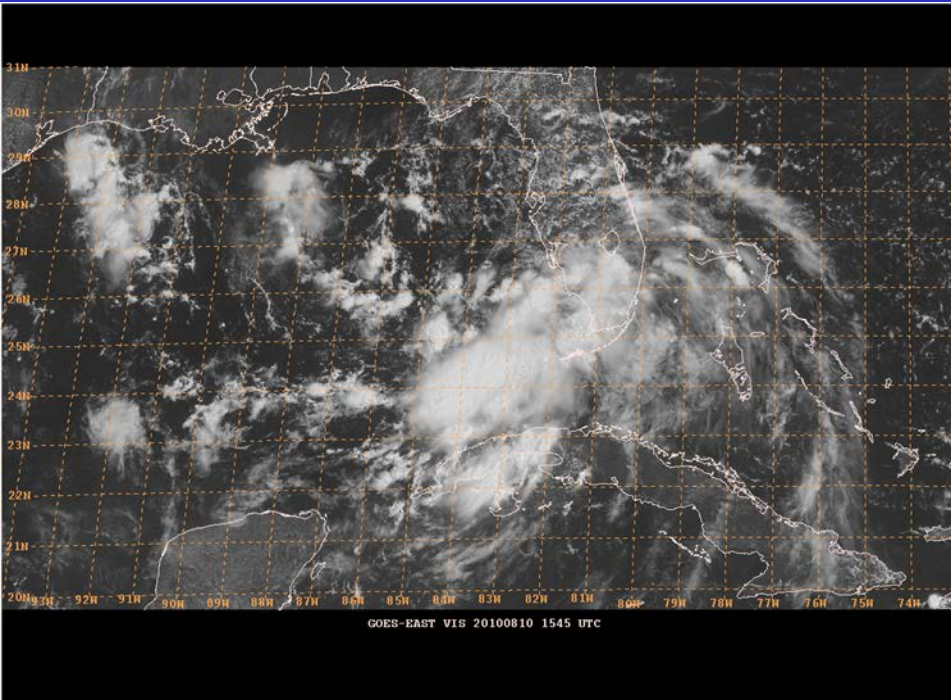
Center Location Exercise 6

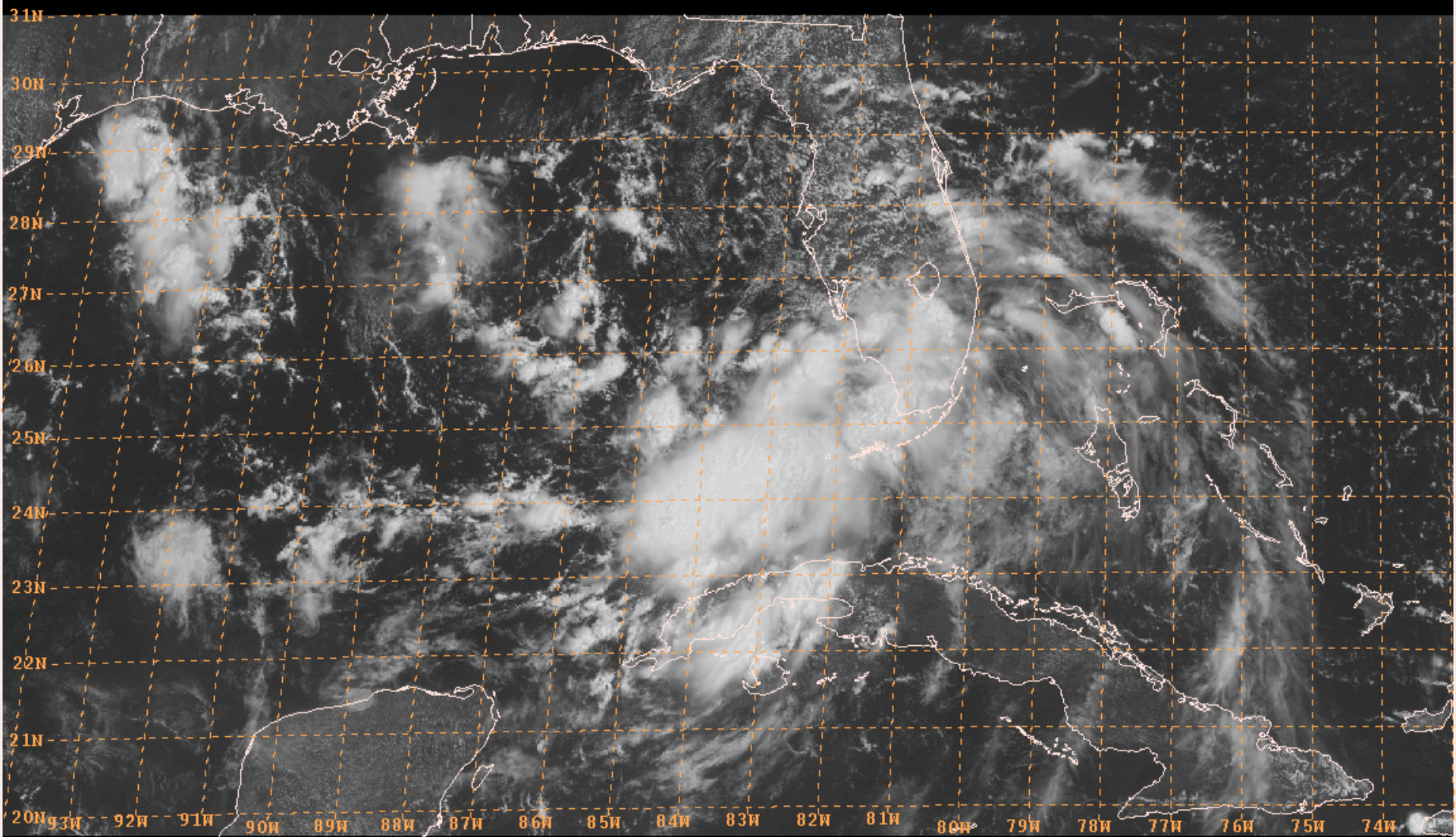


Best Track Position: 25/1800Z 20.7N 52.6W

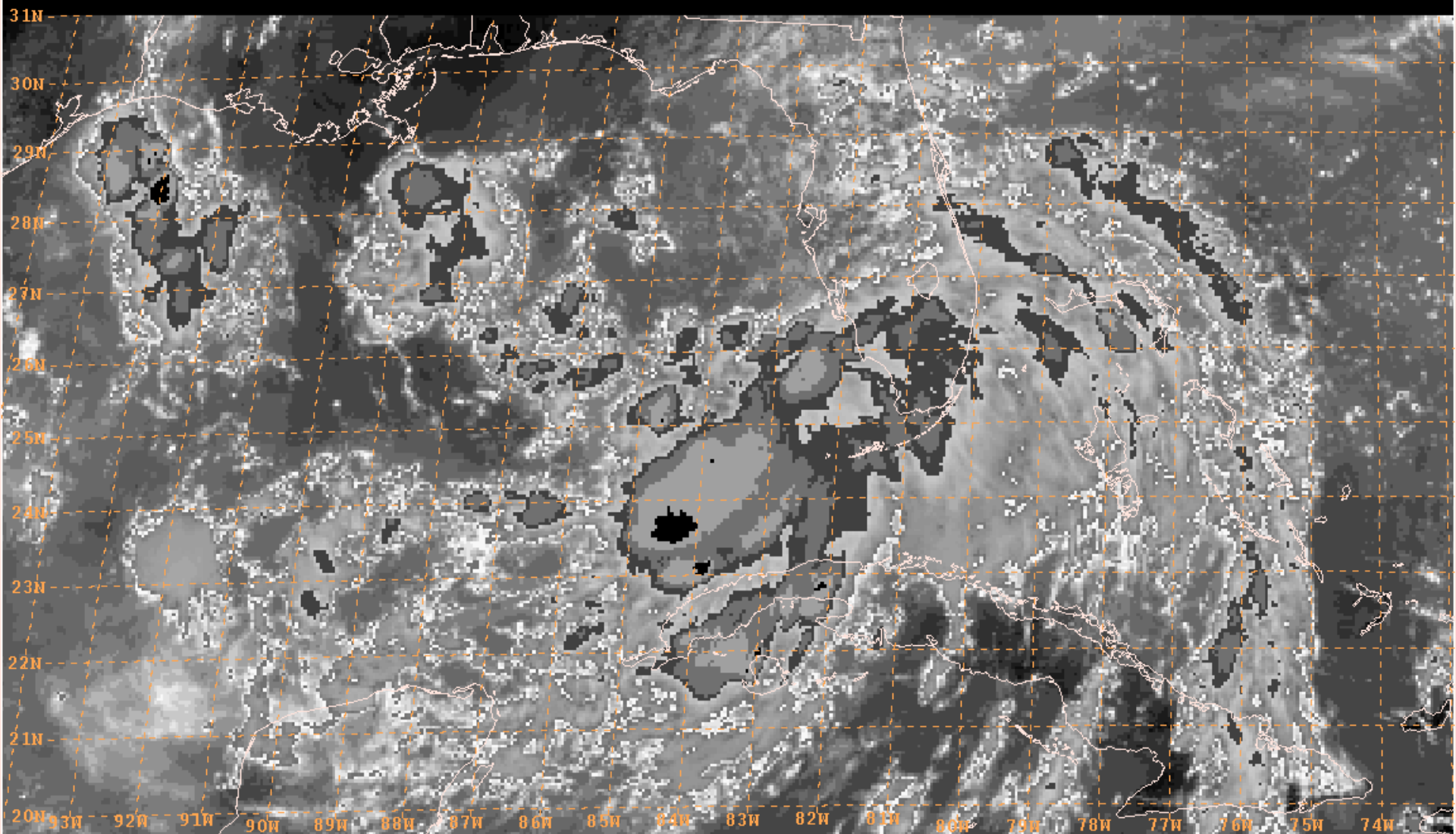
Hurricane Danielle August 2010

Center Location Exercise 7



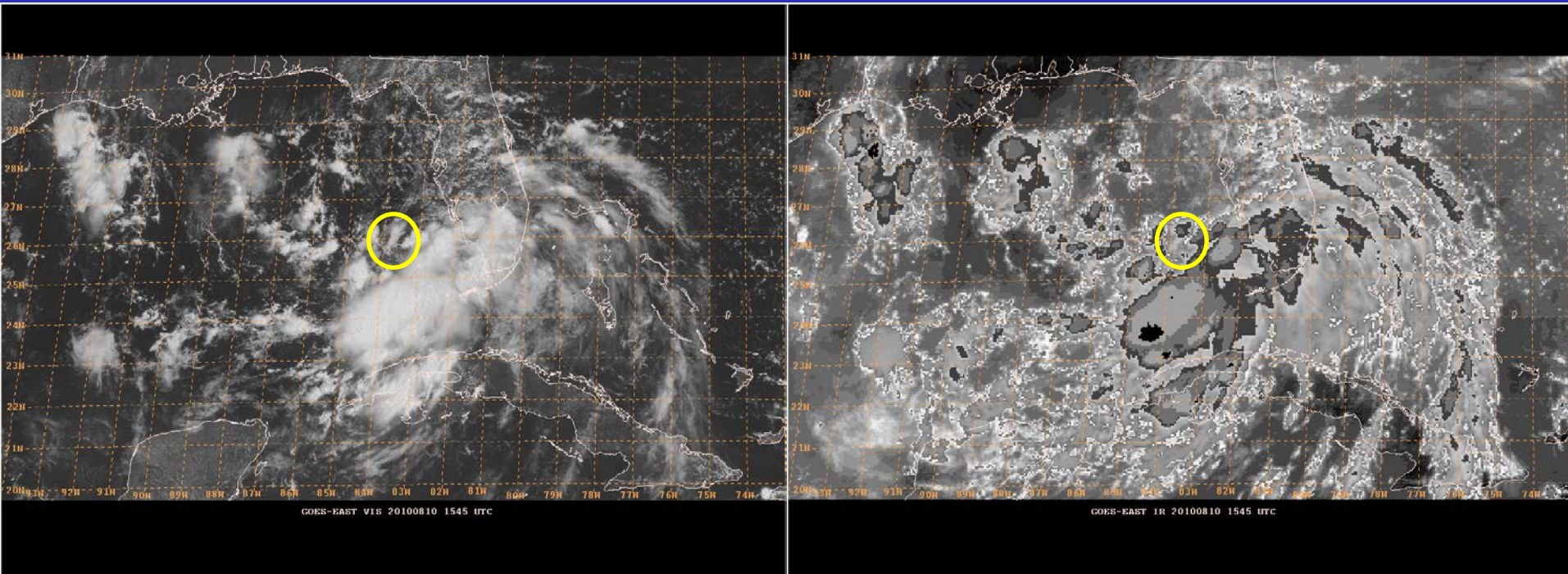


GOES-EAST VIS 20100810 1545 UTC



GOES-EAST IR 20100810 1545 UTC

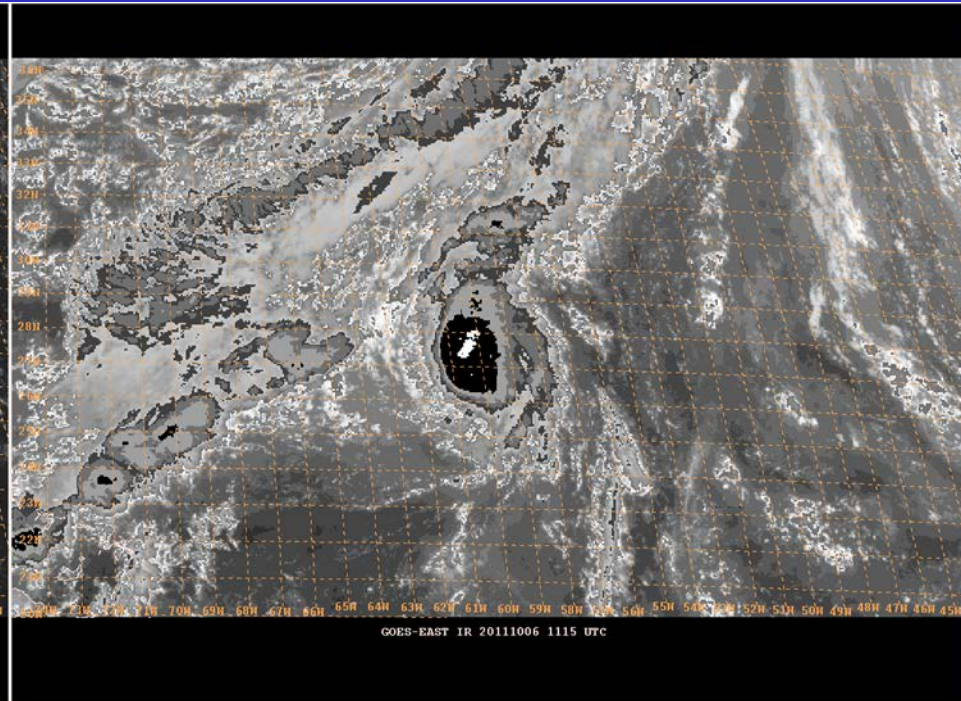
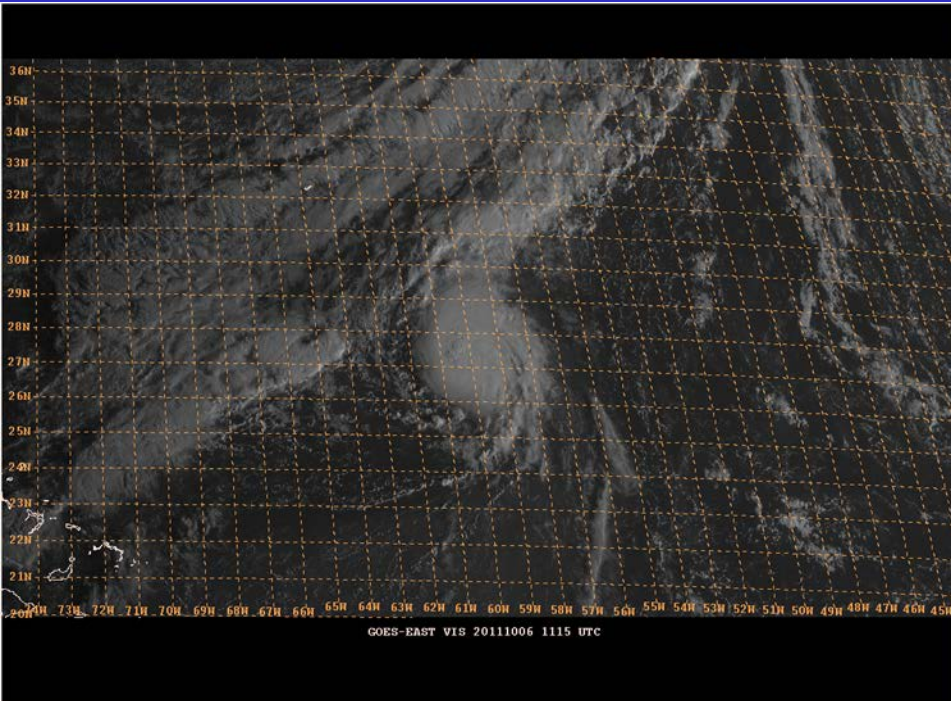
Center Location Exercise 7

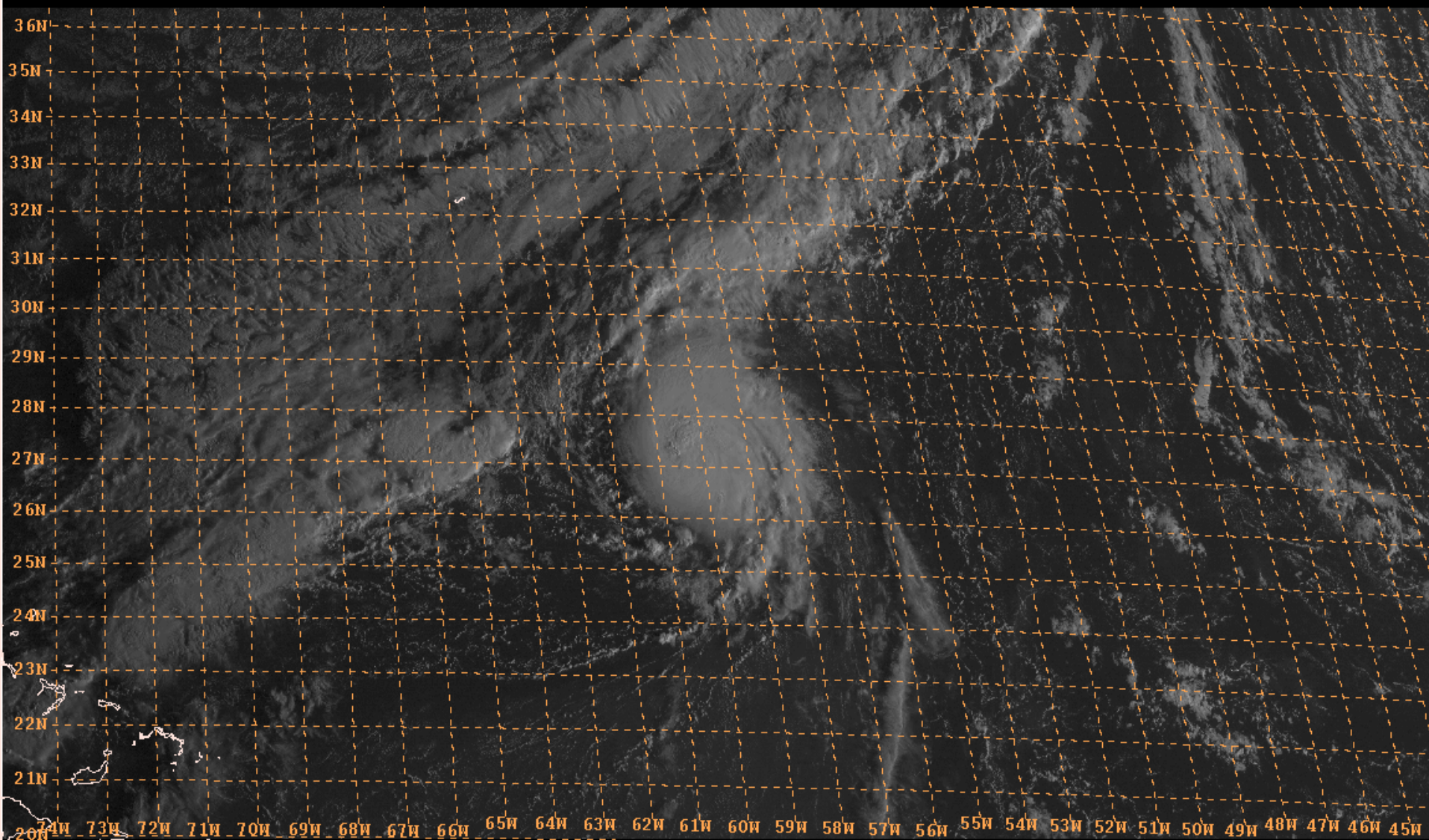


Best Track Position: 10/1800Z 25.9N 83.7W

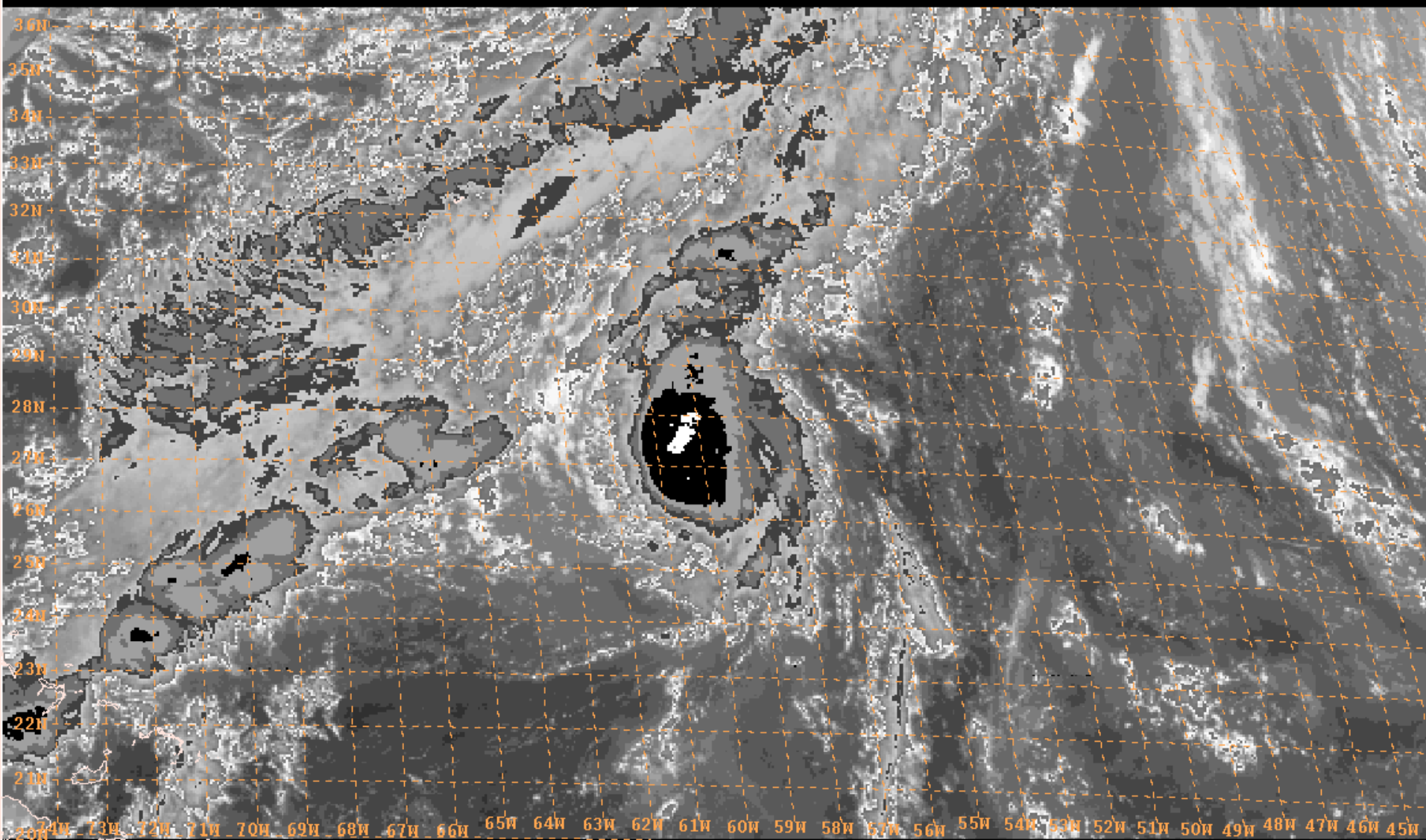
Tropical Depression Five August 2010

Center Location Exercise 8



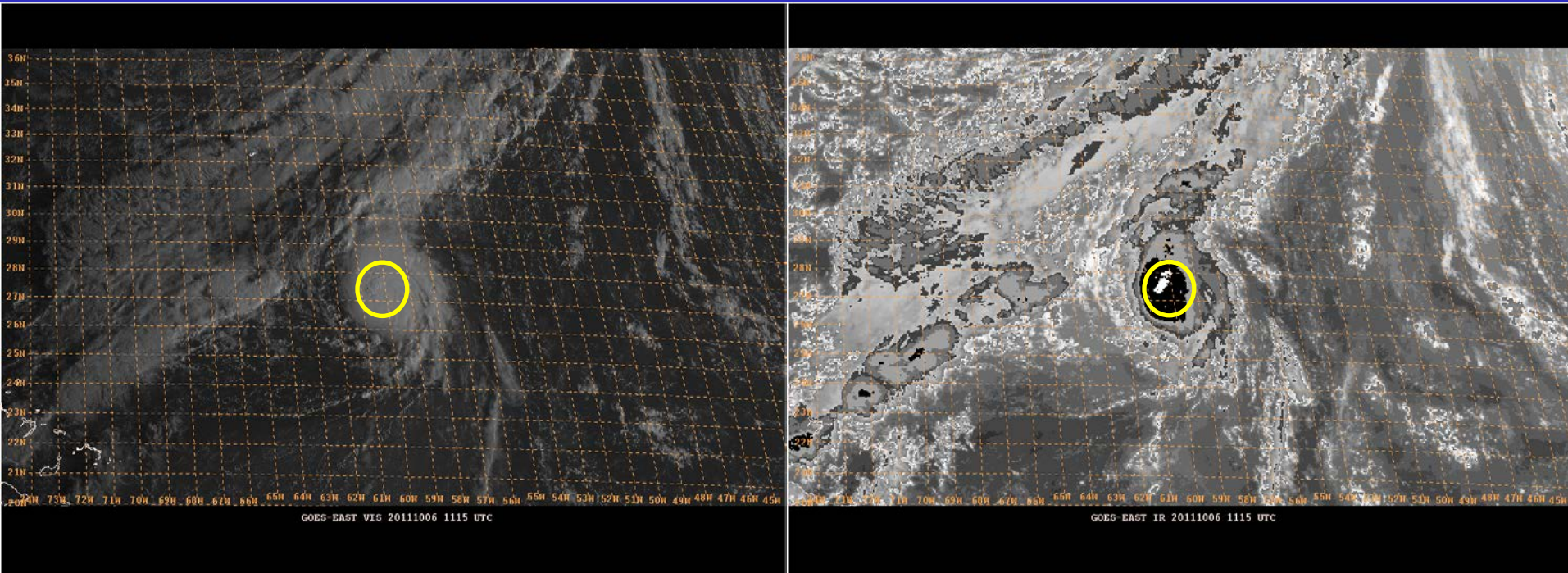


GOES-EAST VIS 20111006 1115 UTC



GOES-EAST IR 20111006 1115 UTC

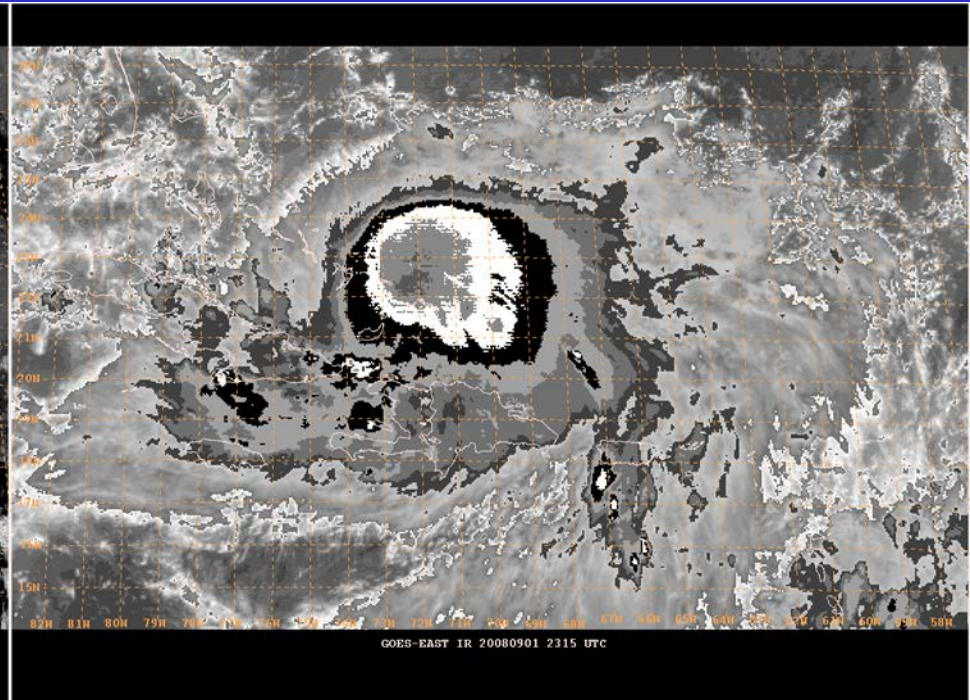
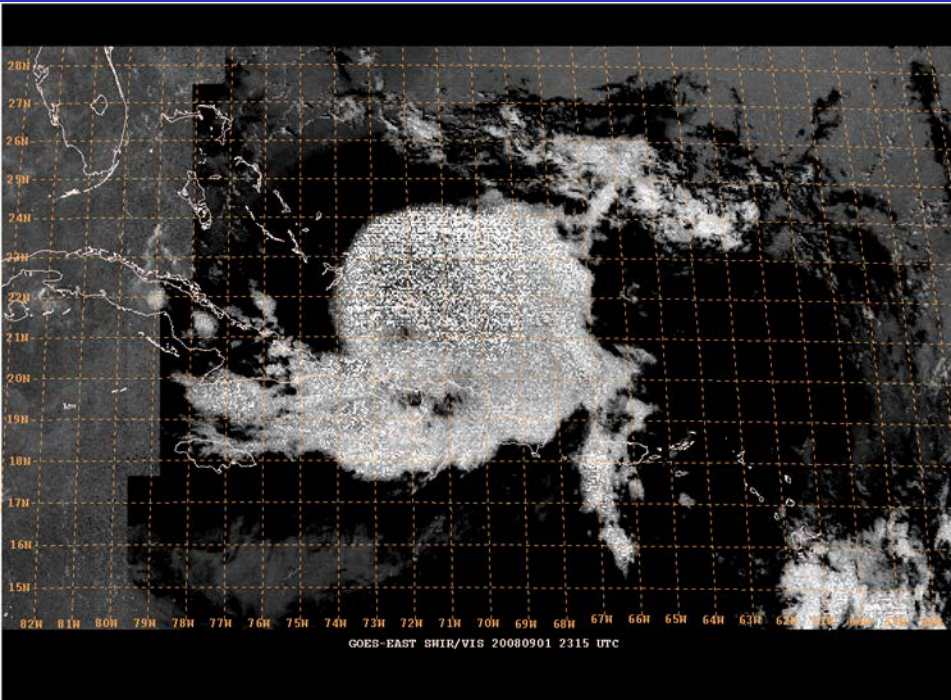
Center Location Exercise 8

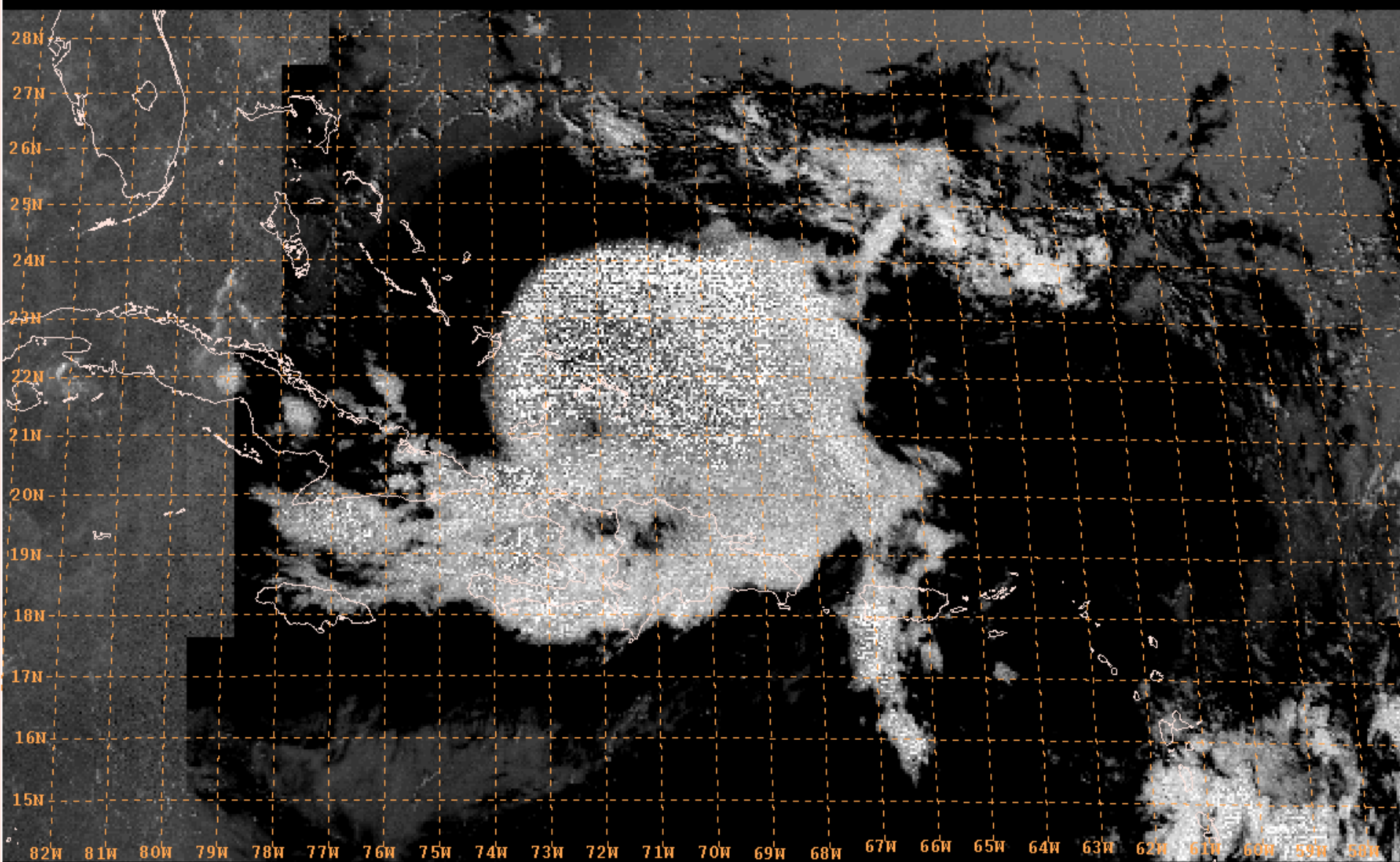


Best Track Position: 06/1200Z 27.4N 60.4W

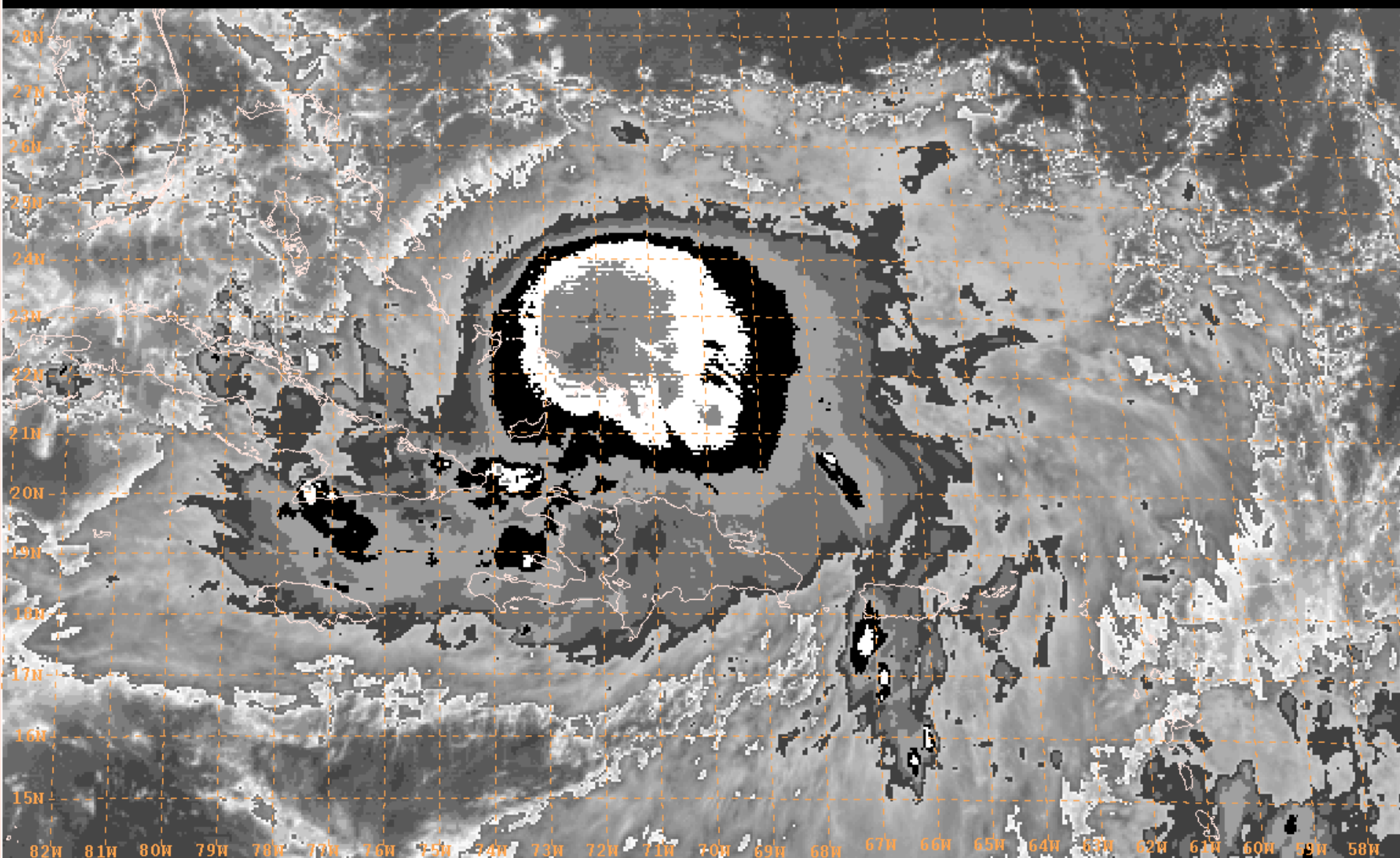
Hurricane Philippe October 2011

Center Location Exercise 9



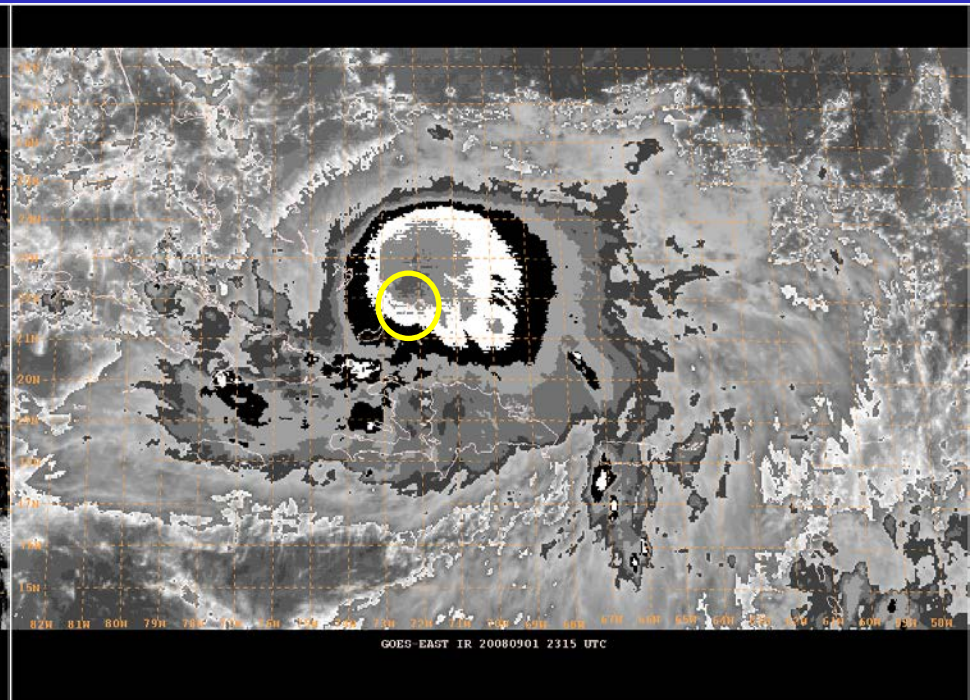
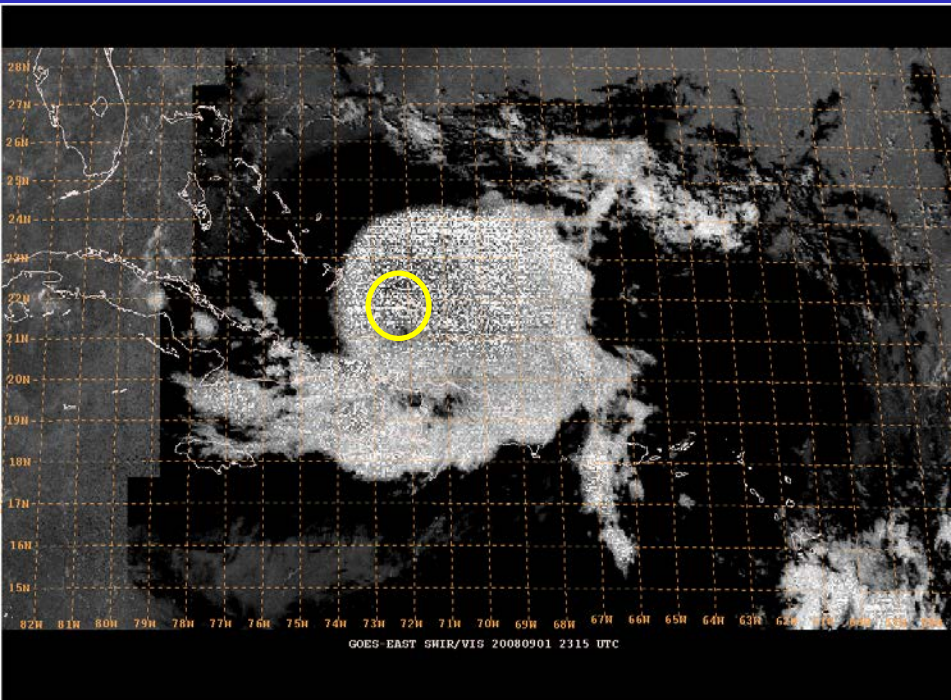


GOES-EAST SWIR/VIS 20080901 2315 UTC



GOES-EAST IR 20080901 2315 UTC

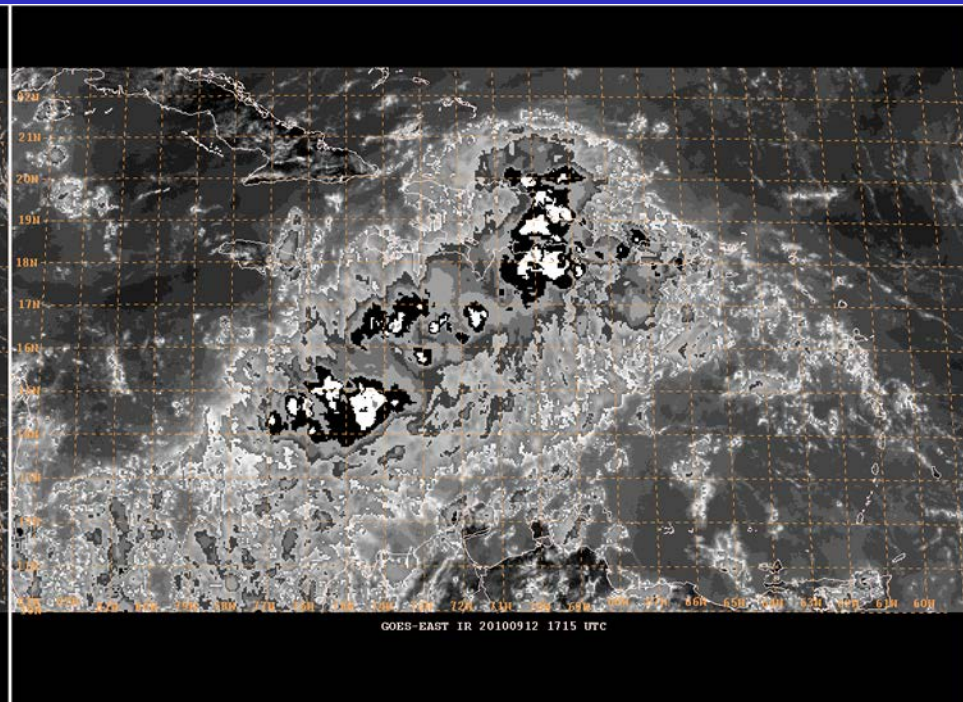
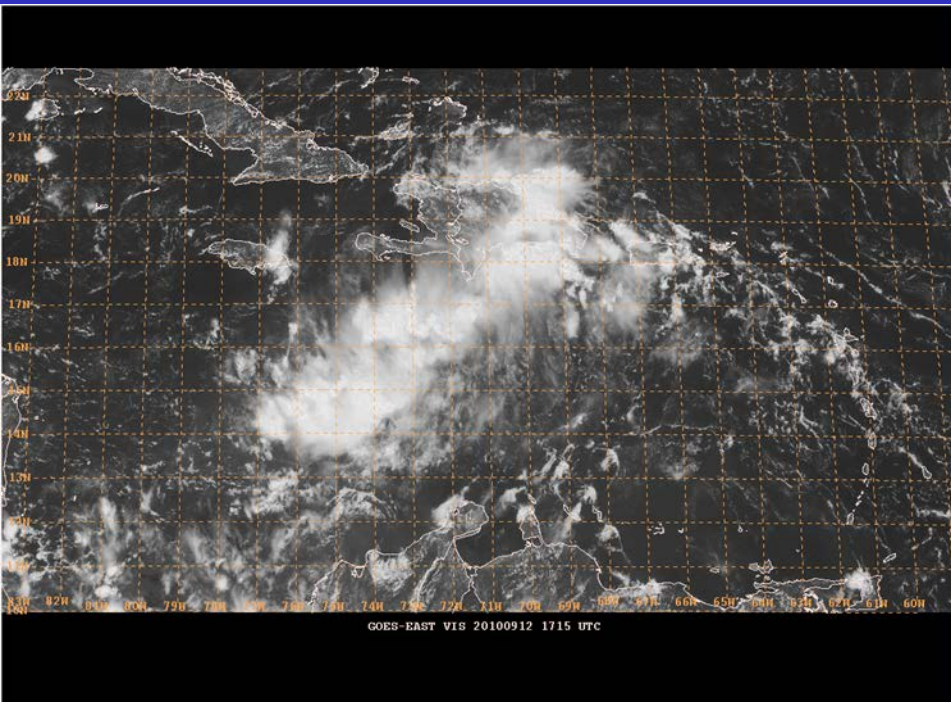
Center Location Exercise 9

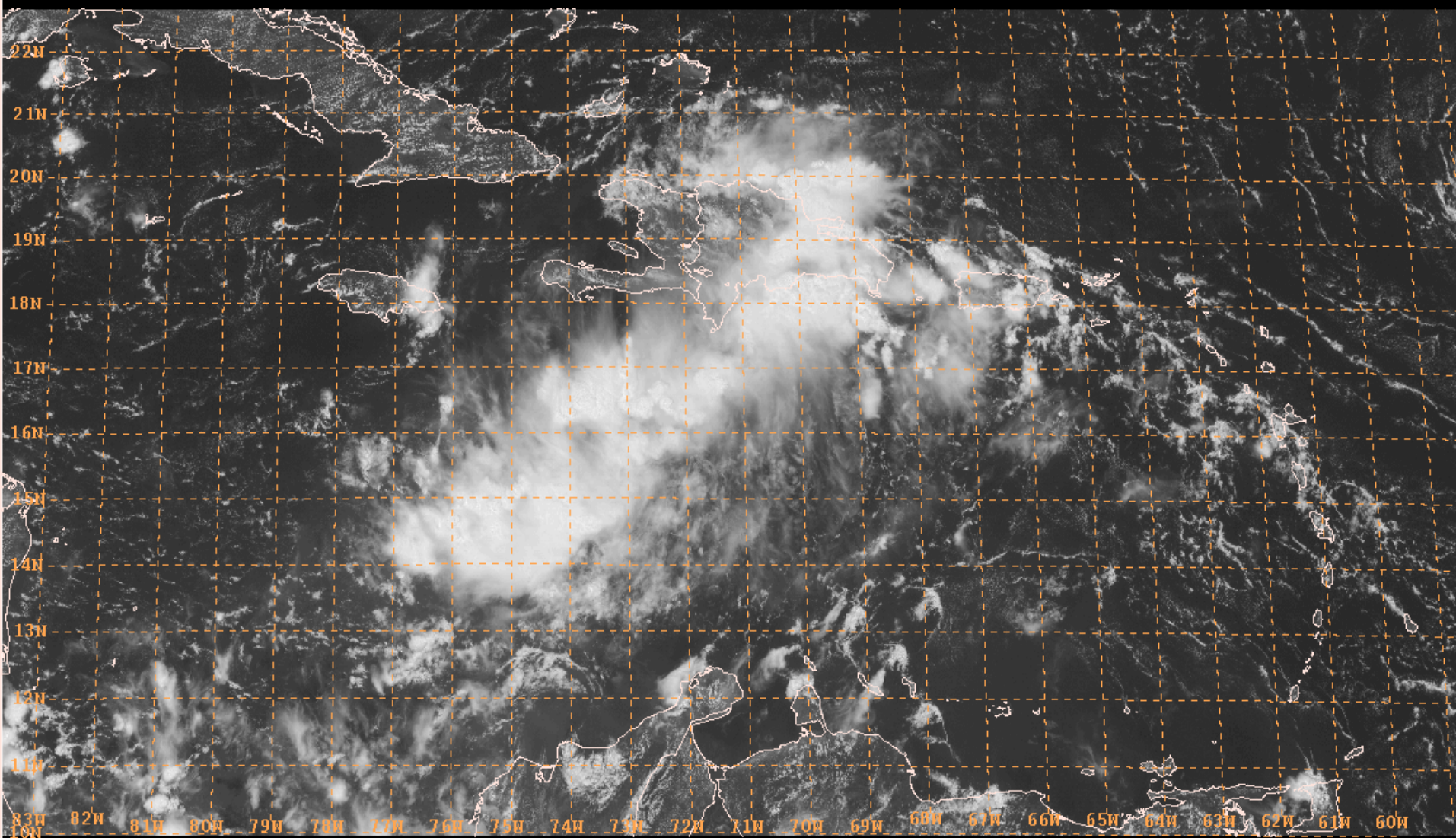


Best Track Position: 02/0000Z 21.8N 72.3W

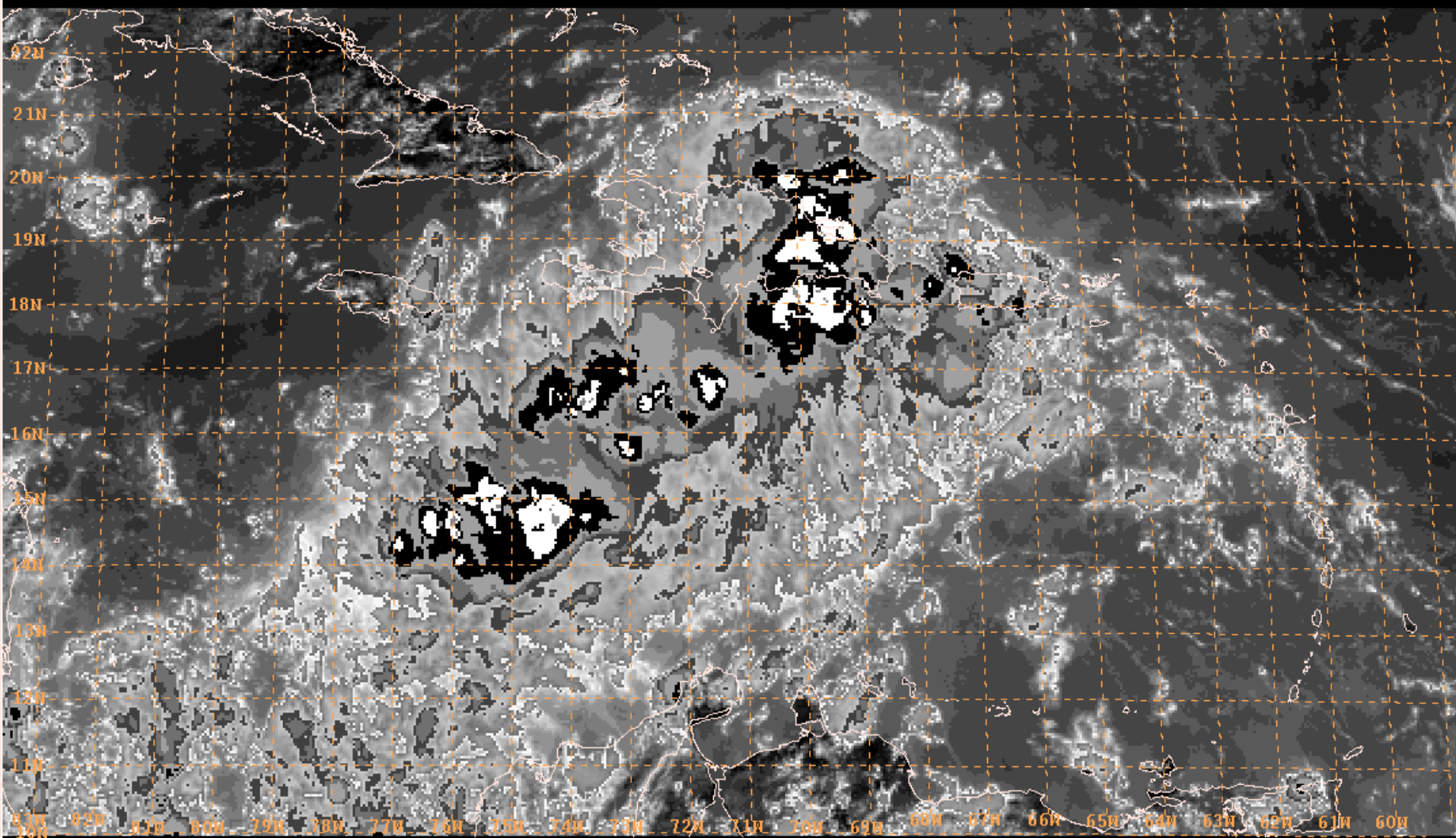
Hurricane Hanna September 2008

Center Location Exercise 10



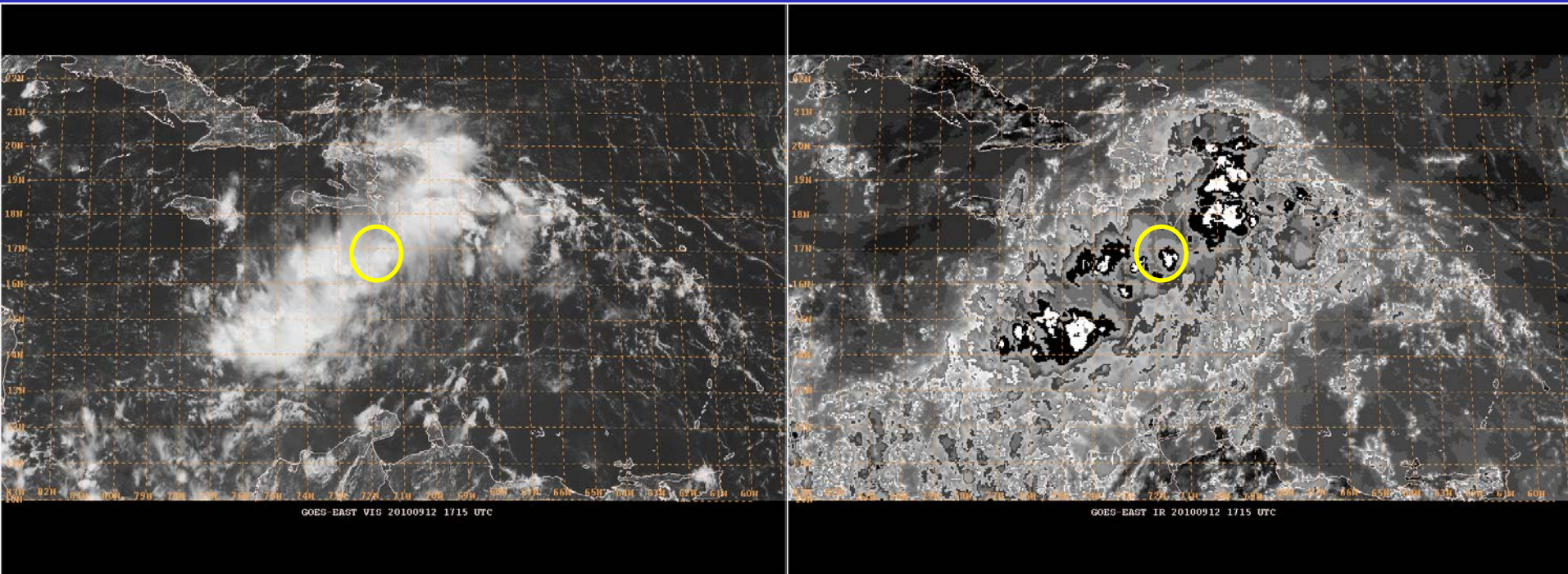


GOES-EAST VIS 20100912 1715 UTC



GOES-EAST IR 20100912 1715 UTC

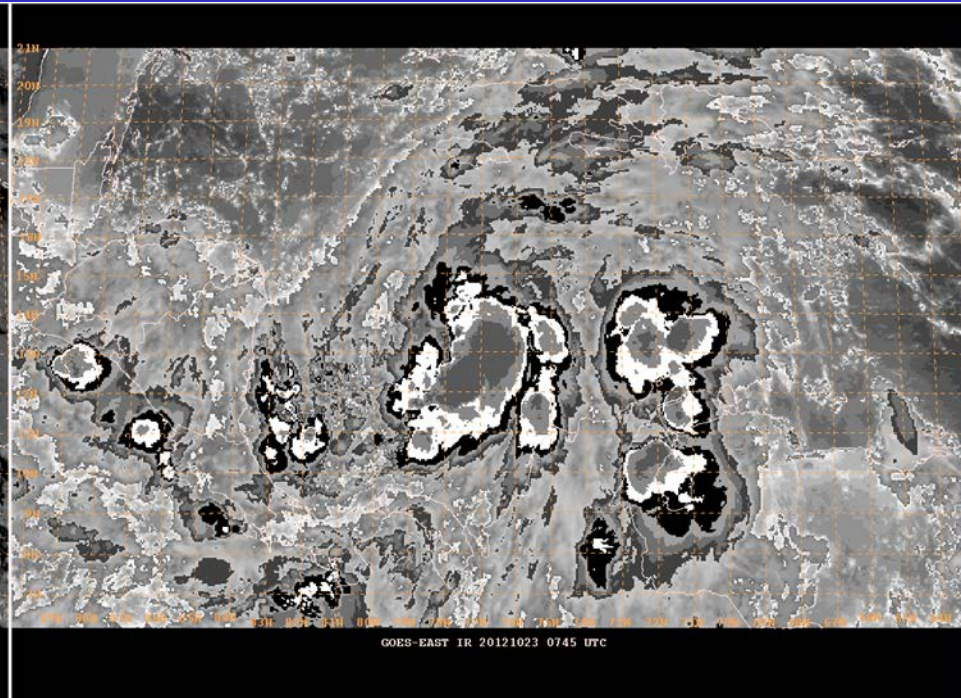
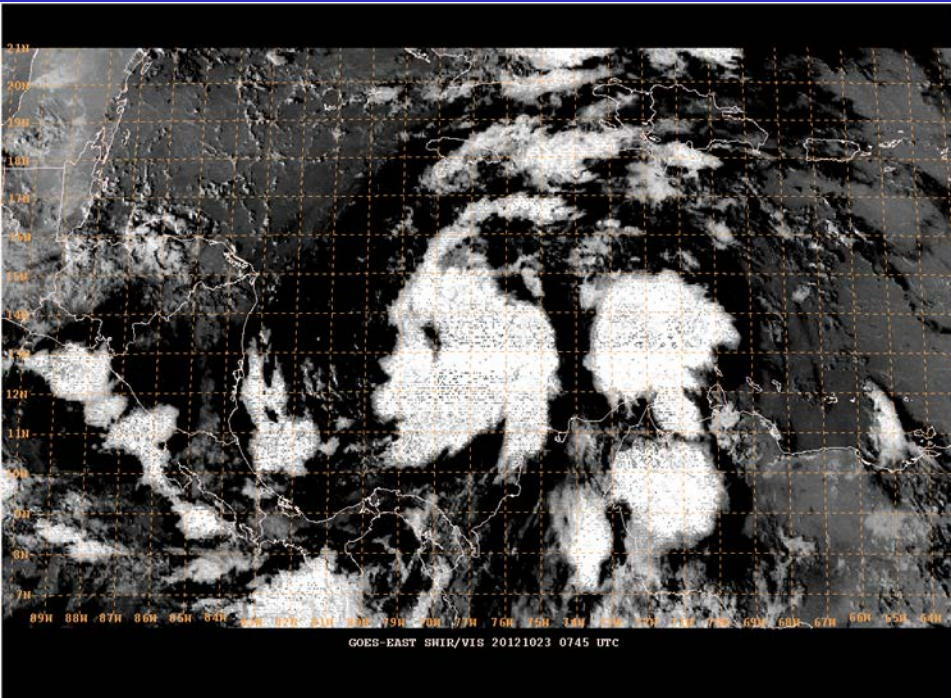
Center Location Exercise 10

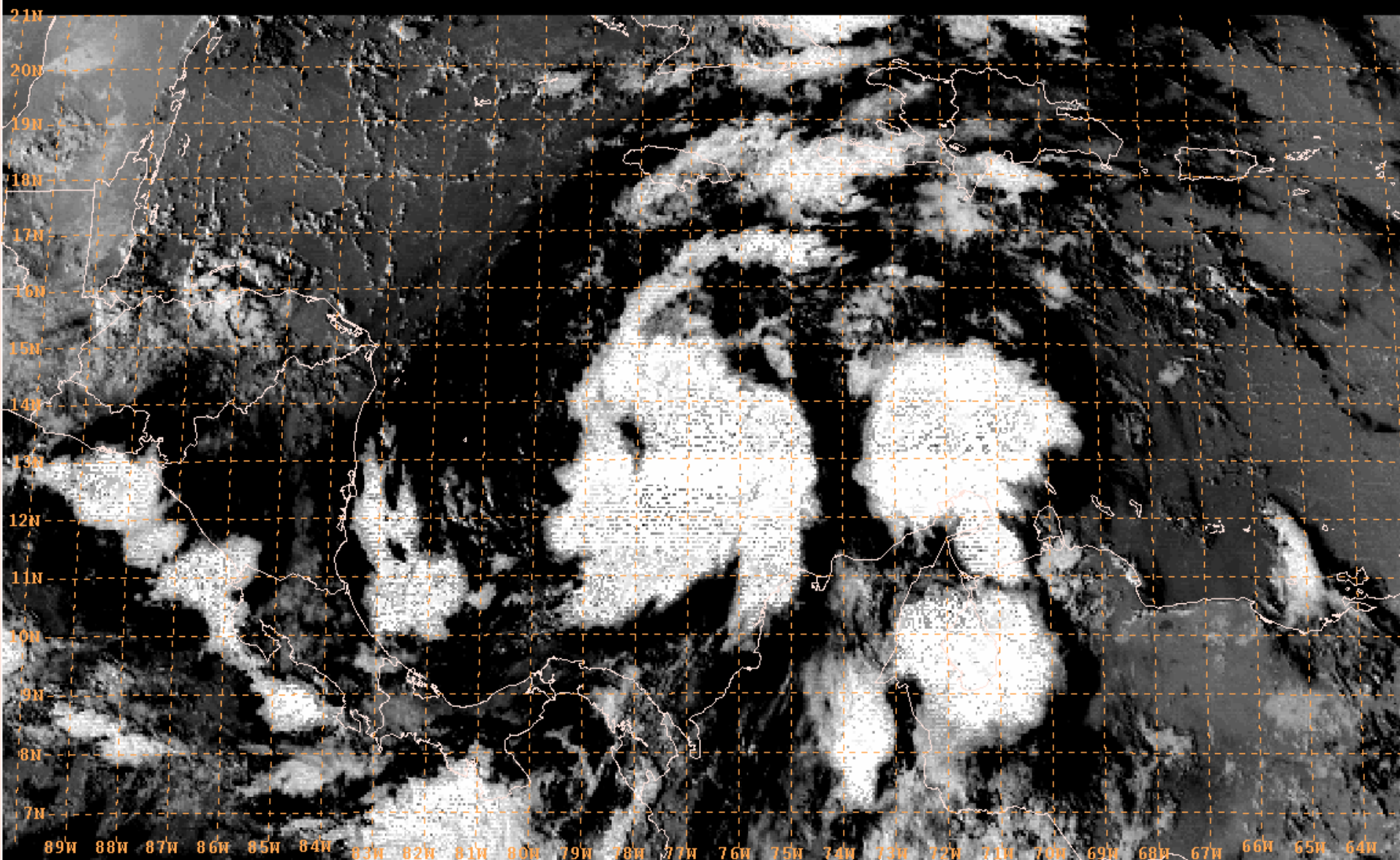


Best Track Position: N/A

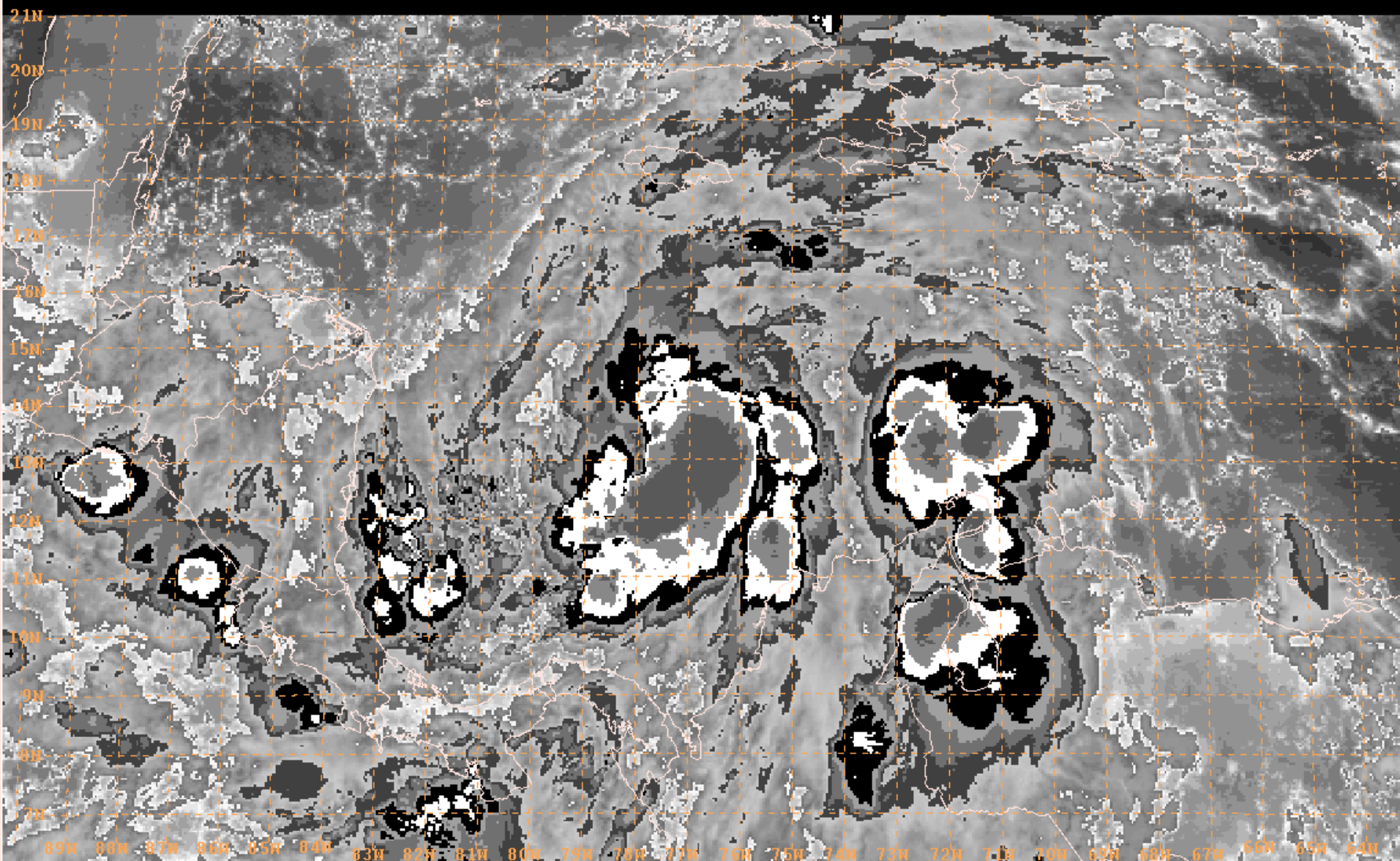
Pre-Karl Disturbance September 2010

Center Location Exercise 11



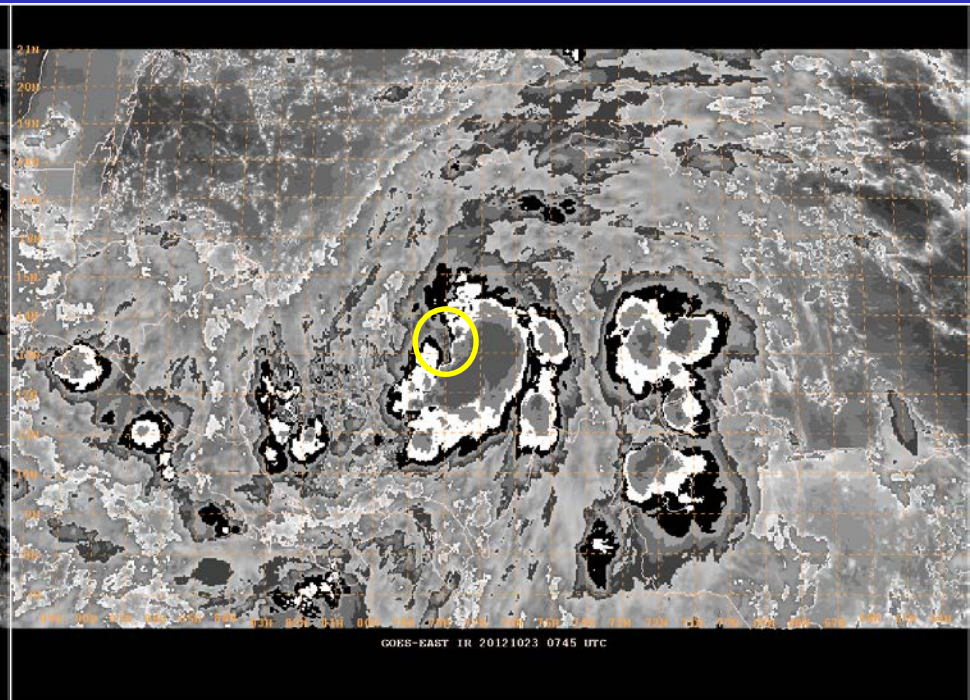
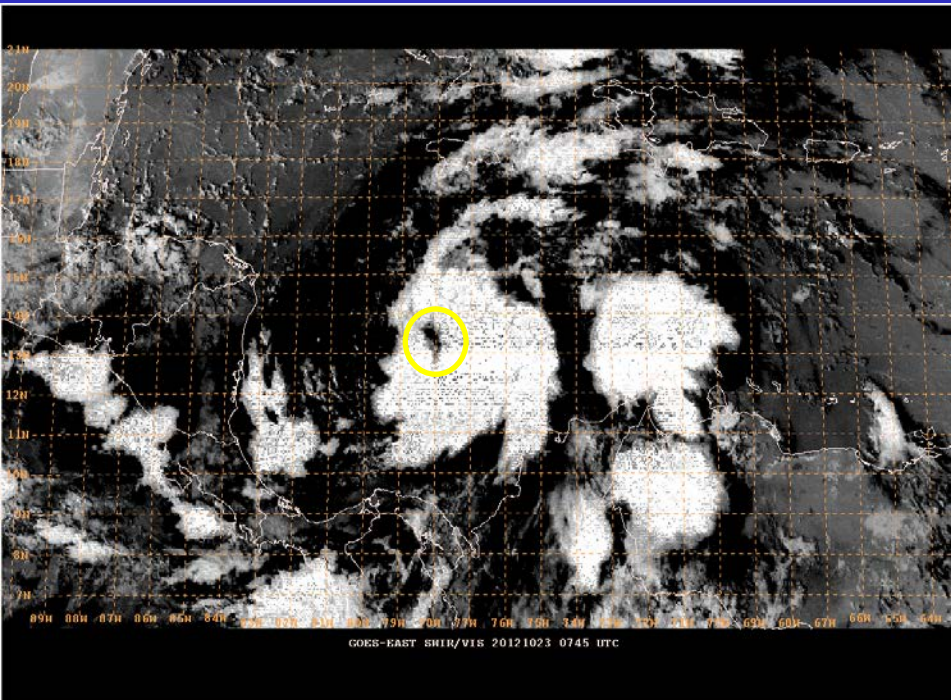


GOES-EAST SWIR/VIS 20121023 0745 UTC



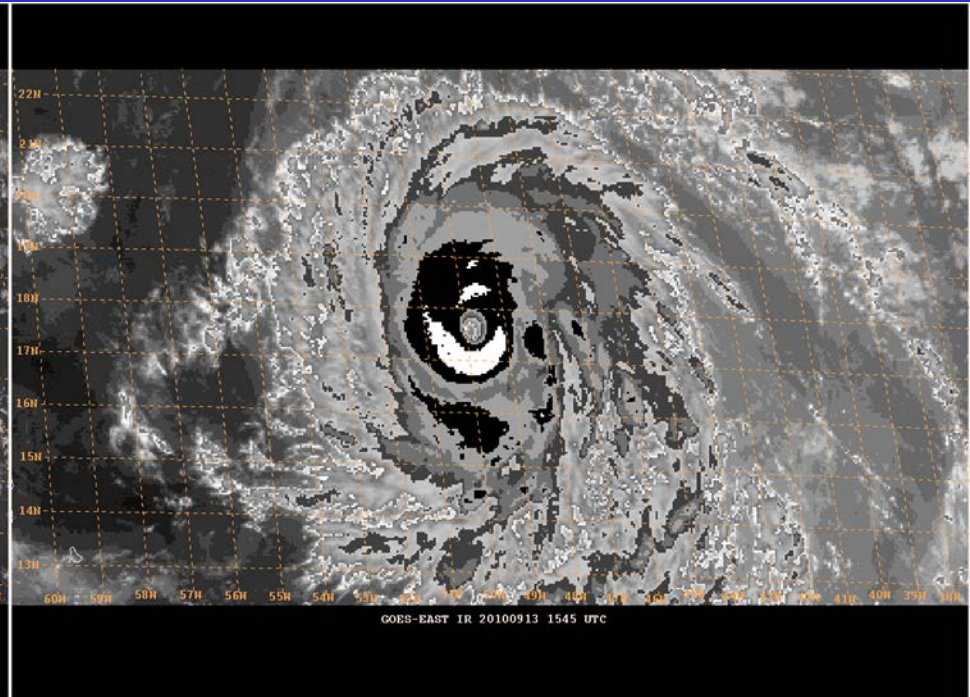
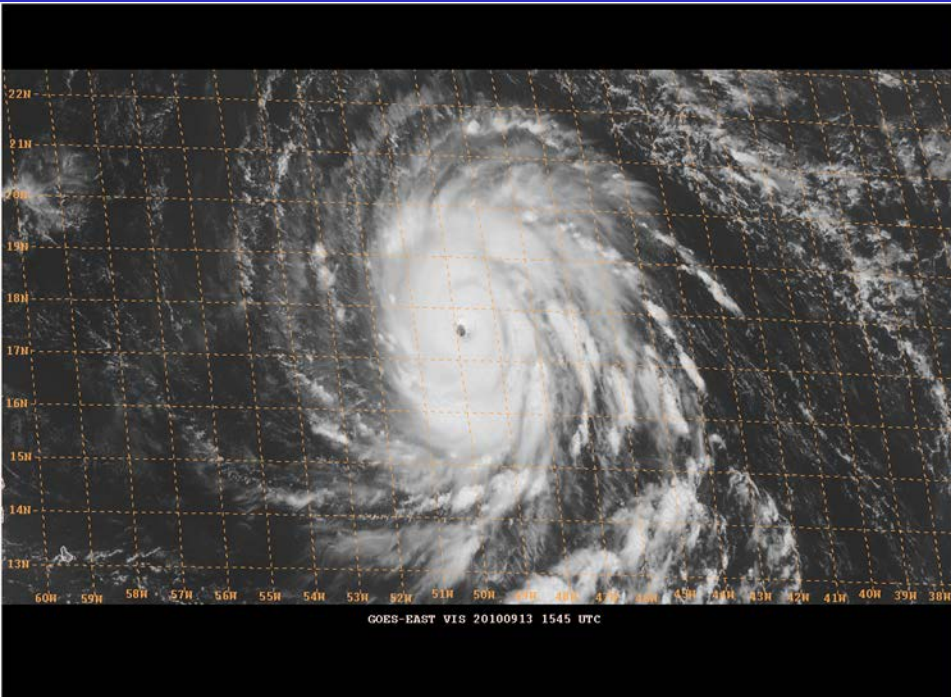
GOES-EAST IR 20121023 0745 UTC

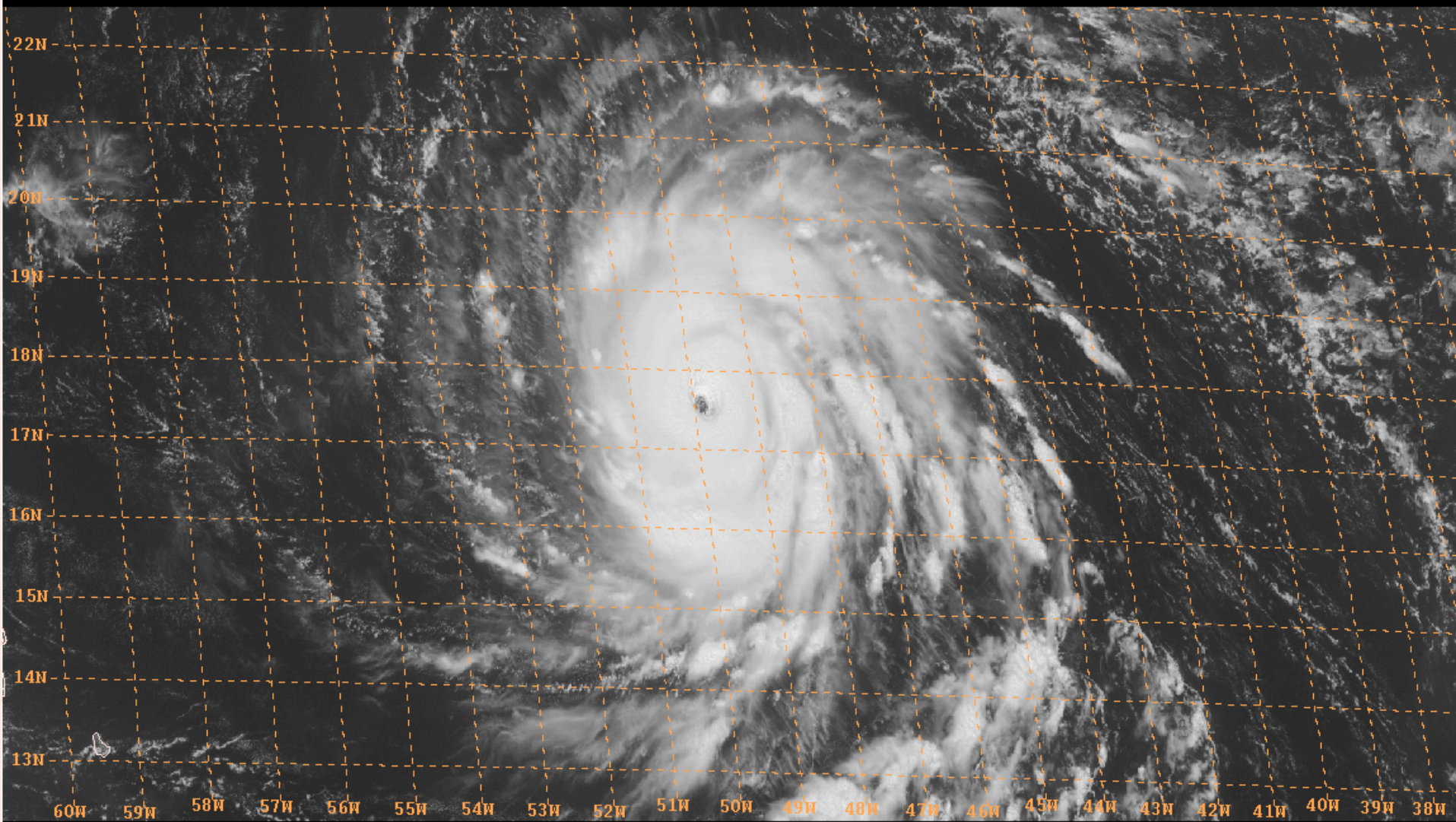
Center Location Exercise 11



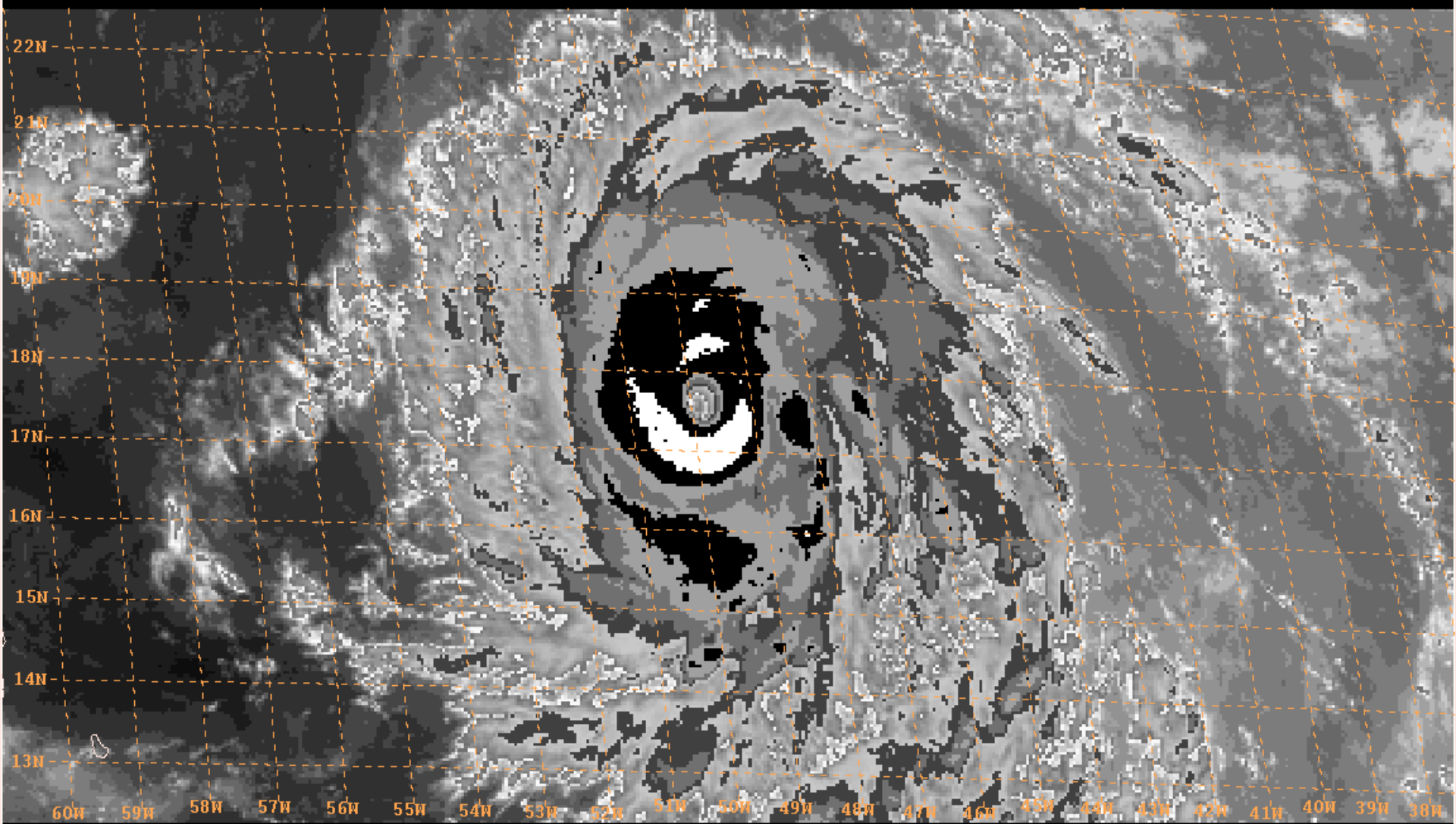
Interpolated Best Track Position: 23/0900Z 13.2N 78.0W
Tropical Storm Sandy October 2012

Center Location Exercise 12



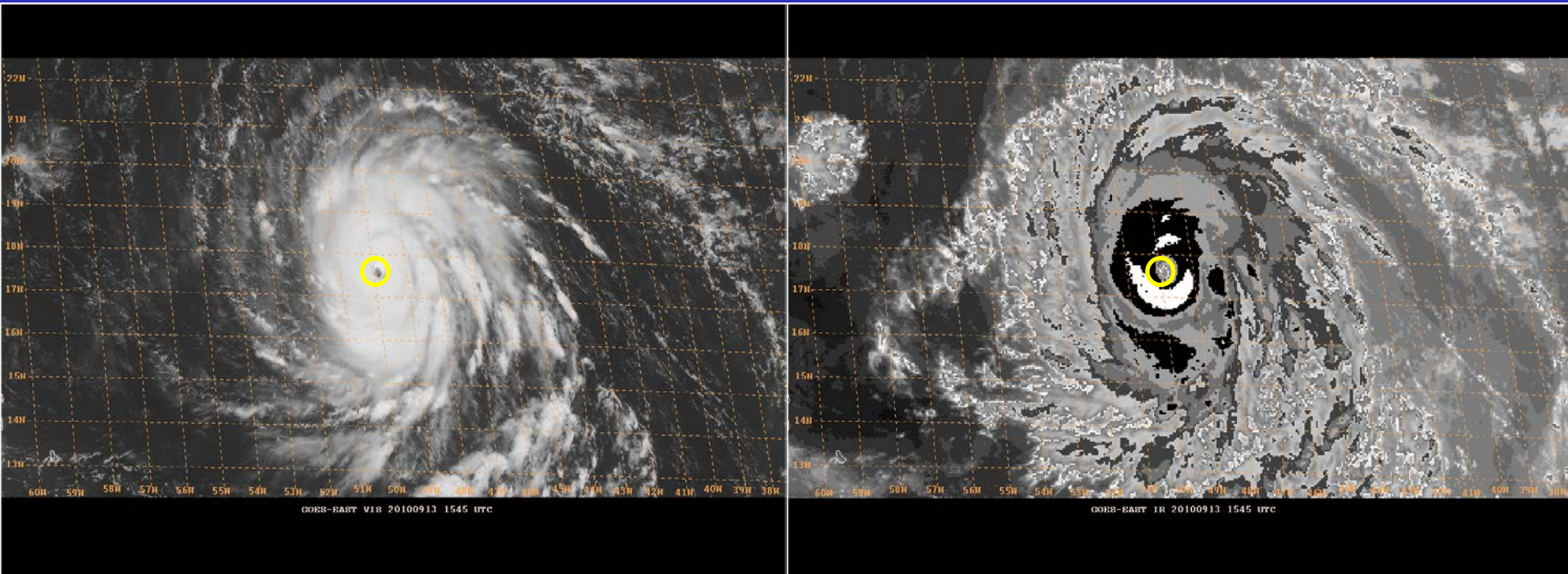


GOES-EAST VIS 20100913 1545 UTC



GOES-EAST IR 20100913 1545 UTC

Center Location Exercise 12



Best Track Position: 13/1800Z 17.6N 50.2W

Hurricane Igor September 2010

