

South Texas Weather Modification Association

Flight Activity Report

July 2, 2009

Synoptic conditions:

Upper level high located over west Texas/northern Mexico with upper level ridge across most of the central and western parts of the U.S. A mid level high was a bit further to the east than its upper level reflection. In the lower levels, high moisture values existed mostly along coastal areas and further into the lower Rio Grande Plains due to a weak tropical wave coming ashore near Brownsville.

Mesoscale/Operational Discussion:

As the seabreeze moved inland today, it interacted with decent moisture over the southern target area associated with the tropical wave to produce scattered convection in Bee County. A flight was launched on this convection and during the first part of the flight, rapid development occurred in Bee and Live Oak counties. The pilot reported frequent lightning associated with this convection and very good inflow. Meanwhile, a weak boundary was draped over the Hill County and convection began to develop there. A seeding flight was launched to Bandera County.

Operational Notes:

None.

Warnings:

None.

The pyrotechnics were 40g AgI flares. 38 flares were burned in DeWitt (3), Bee (21), Karnes (4) and Bandera (10) counties, totaling 1520g of AgI. In addition, SWTREA assisted with seeding using 40g AgI flares. 19 flares were burned in Live Oak (5), McMullen (9), Atascosa (2) and Frio (3) counties, totaling 760g of AgI.