

**SOUTH TEXAS WEATHER MODIFICATION ASSOCIATION - PLEASANTON, TEXAS**

**SEEDING REPORT - AUGUST 26, 2009**

**SYNOPTIC/MESOSCALE CONDITIONS:**

700-250mb low over southern Louisiana with 65kt jet streak at 250mb moving south across southeast Texas around west side of low; 500mb shortwave over Colorado; surface trough from near Childress to Big Bend; moisture gradient across south Texas from east to west, with highest moisture east; 12Z PW at CRP 1.76", 1.44" at DRT; convective temperature 92-94°F; seabreeze front moving inland; outflow boundary moving west from convection over SE Texas.

**LIFTING MECHANISM:**

Intense surface heating; convergence along seabreeze boundary/outflow boundary intersection.

**DISCUSSION:**

Scattered convection developed over southeast Texas during the morning hours associated with a jet streak moving around the west side of a low centered over southern Louisiana. Outflow from this activity propagated westward toward south-central Texas and would play a factor later in the day. Scattered airmass convection developed north of the target area and moved south-southwest toward Bandera and Bexar counties. A plane was dispatched to the area to investigate, with a couple of marginal clouds seeded in Bandera County. These produced areas of light rain across the eastern half of Bandera County and northern Medina County. During the evening hours, the seabreeze boundary intersected with the aforementioned outflow boundary and an intense cell developed over Lavaca County, moving southwest toward Karnes County. A second flight was launched to investigate this storm, with seeding taking place.

**WATCHES/WARNINGS/LIMITATIONS:**

Severe T-storm - Karnes, S Wilson Cos.: 0042-0130 UTC.

The pyrotechnics were 40g AgI flares. 13 AgI flares were burned in Bandera (6) and Karnes (7) counties, totaling 520g of AgI.