

SOUTH TEXAS WEATHER MODIFICATION ASSOCIATION - PLEASANTON, TEXAS

SEEDING REPORT - MAY 28, 2009

SYNOPTIC/MESOSCALE CONDITIONS:

Upper level trough over central and eastern U.S. with axis near Mississippi River; surface high over southeast Texas; marginal moisture and instability as airmass was worked over from overnight MCS that passed west/south of area, but PW values in 1.00"-1.30" range and CAPE values around 1500 J/kg, highest in axis running SE to NW across eastern/northern counties.

LIFTING MECHANISM:

Strong surface heating.

DISCUSSION:

Two flights were launched as scattered weak convection developed mainly across central target area. Clouds had good radar presentation but upon inspection by pilot, revealed short, stout clouds with little precipitation and no inflow. Early in the evening, a large storm which appeared to be propagating along the axis of greatest instability approached Bandera County and another flight was dispatched to investigate, with seeding taking place in Bandera County. No randomization.

WATCHES/WARNINGS/LIMITATIONS:

Flood Advisory - E Bandera Co.: 0134-0330 UTC.

The pyrotechnics were 40g flares. 12 flares were burned in Bandera County, totaling 480g of AgI.