

SOUTH TEXAS WEATHER MODIFICATION ASSOCIATION - PLEASANTON, TEXAS

SEEDING REPORT - JUNE 25, 2009

SYNOPTIC/MESOSCALE CONDITIONS:

Surface high pressure over the Gulf with high pressure aloft centered over the TX/OK panhandles; weakly diffluent flow at 250mb over south Texas; weak surface low developing near Pleasanton by mid-afternoon, with trough extending east to Louisiana; sufficient moisture, with PW values 1.50"-1.70"; moderate instability, with CAPE values to 2000 J/kg and LI values to -6; convective temperatures near 100°F.

LIFTING MECHANISM:

Intense surface heating; convergence along weak trough across northern target area.

DISCUSSION:

Convection developed along the Balcones Escarpment in Medina and Bexar counties towards the middle part of the afternoon, and a flight was sent to the area to investigate, with one large cloud being seeded in Medina County. Additional convection developed east of San Antonio and drifted SW into Wilson County, and this prompted a second flight, with this cloud also being treated. A third flight was launched as more convection formed in the eastern target area, and seeding was conducted once again. This last activity banded together into a small line that crossed central and southern Karnes County.

WATCHES/WARNINGS/LIMITATIONS:

Nil.

The pyrotechnics were 40g flares. 21 flares were burned in Medina (9), Karnes (4) and Wilson (8) counties, totaling 840g of AgI.