

SOUTH TEXAS WEATHER MODIFICATION ASSOCIATION - PLEASANTON, TEXAS

SEEDING REPORT - AUGUST 19, 2009

SYNOPTIC/MESOSCALE CONDITIONS:

850-500mb trough axis from Yorkton, Saskatchewan to near Dallas; squashed 500mb ridge across southern U.S.; weak tropical wave pushing west across northern Mexico; sufficient moisture in place, with PW 1.61" at DRT increasing to 1.94" at CRP; seabreeze front moving inland during the afternoon.

LIFTING MECHANISM:

Intense surface heating; convergence along seabreeze boundary.

DISCUSSION:

Only a few showers managed to develop today across the southeastern target area as the seabreeze front moved inland. An increasing cap prevented more widespread convection such as what occurred the day before. One flight was dispatched to seed a cloud along the Bee/Goliad county line.

WATCHES/WARNINGS/LIMITATIONS:

Nil.

The pyrotechnics were 40g AgI flares. 2 AgI flares were burned in Bee County, totaling 80g of AgI.