

SOUTH TEXAS WEATHER MODIFICATION ASSOCIATION - PLEASANTON, TEXAS

SEEDING REPORT - JUNE 27, 2009

SYNOPTIC/MESOSCALE CONDITIONS:

Broad upper level high stretched across much of the southern U.S.; trough moving through northern Plains as well as New England; surface thermal low west of Eagle Pass; marginal moisture availability, with PW values 1.40"-1.50"; weak to moderate instability, with CAPE values to 1500 J/kg and LI's to -3.

LIFTING MECHANISM:

Intense surface heating; convergence along seabreeze boundary.

DISCUSSION:

The seabreeze front provided sufficient convergence and lift to produce isolated convection as it moved inland. Activity moving across DeWitt County towards Karnes County prompted a flight to be launched late in the afternoon to investigate. One small cloud was treated with silver iodide as it moved into eastern Karnes County. The convection was short-lived.

WATCHES/WARNINGS/LIMITATIONS:

Nil.

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