

SOUTH TEXAS WEATHER MODIFICATION ASSOCIATION - PLEASANTON, TEXAS

SEEDING REPORT - AUGUST 18, 2009

SYNOPTIC/MESOSCALE CONDITIONS:

500mb trough axis from northwestern Ontario to southern California with ridging across southern U.S.; weak tropical wave pushing west into south Texas with associated increase in moisture (PW 1.73" at DRT increasing to 2.10" at CRP); seabreeze front moving inland during the afternoon; convective temperatures 87-93°F.

LIFTING MECHANISM:

Intense surface heating; convergence along seabreeze boundary; weak lift associated with tropical wave.

DISCUSSION:

Scattered showers and isolated thunderstorms developed during the morning hours across the southeastern target area associated with a tropical wave moving west across southern Texas. The activity continued to develop and move northwest across the eastern half of the target area into the afternoon hours with several flights launching to conduct seeding operations. Late in the afternoon, the seabreeze front moved into the eastern target area with a few clouds developing along it which were also seeded.

WATCHES/WARNINGS/LIMITATIONS:

Nil.

The pyrotechnics were 40g AgI flares. 27 AgI flares were burned in Bee (9), Live Oak (13), Atascosa (1), Karnes (3) and DeWitt (1) counties, totaling 1080g of AgI.