

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - August 31, 2007

SYNOPTIC/MESOSCALE CONDITIONS:

High pressure over New Colorado/New Mexico stretching into Ontario. Cold front stretched across south Texas. Western Ridge over Four Corners region to Manitoba. Trough/shear axis west Texas.

LIFTING MECHANISM:

Upper-low, Surface heating

DISCUSSION:

MOSTLY SUNNY THROUGH THE AFTERNOON. A FEW CLOUDS DEVELOPED OVER THE SOUTHERN TARGET AFTER NOON. CLOUDS PRODUCED DECENT INFLOW FOR SHORT PERIODS OF TIME BUT CLOUDS WERE ULTIMATELY SHORT-LIVED. CONVECTIVE TEMPERATURE AT MIDLAND WAS 80 AND DEL RIO WAS 86. 2PM TEMPERATURES WERE 84 AT SAN ANGELO AND 82 AT SONORA. PILOT FOUND 500-800 FT/MIN INFLOW. BASES WERE FOUND ~6300-6500 FT WITH A BASE TEMPERATURE OF 15-17°C.

WATCHES/WARNINGS:

None

SEEDED CELL ID'S:

667, 1188.

FLIGHT INFORMATION:

TIME (z)	PLANE	FLARE LOCATION
1933	41P	230° @ 74nm (CR)
2015	41P	170° @ 50nm (SU)
2035	41P	Return to base

Seeding operations were conducted over Crockett (1) and Sutton (2) with fair results. 3 flares were burned within two small clouds. Surface heating and an upper-low/shear axis helped to produce marginal clouds. This is the sixth day for seeding in August and 37th day for seeding during the season. In "FLARE LOCATION", CR is Crockett County and SU is Sutton County.