

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - September 24, 2008

SYNOPTIC/MESOSCALE CONDITIONS:

High pressure in control from New England to Texas. Mid-levels dry with ridge through 500mb. Weak shortwave trough 300mb northeast Texas. Moisture push from southwest to West Texas.

LIFTING MECHANISM:

Surface heating, upper trough.

DISCUSSION:

MOSTLY SUNNY SKIES EARLY AFTERNOON; MARGINAL CLOUDS BEGIN TO DEVELOP AROUND 1PM. PILOTS UNAVAILABLE; PILOT AVAILABLE AT 230PM; LAUNCHED AT 240PM. MEANWHILE, CLOUDS BUBBLED WITH LESS THAN MARGINALLY SEEDABLE CONDITIONS. CONVECTIVE TEMPERATURE AT MIDLAND WAS 76 AND 79 AT DEL RIO. 3PM TEMPERATURES WERE 86 AT SAN ANGELO AND 82 AT BARNHART. CLOUDS HAD AROUND 400 FT/MIN INFLOW. BASES WERE FOUND ~6.5KFT-8.5KFT; AT A TEMPERATURE OF 12-14°C.

WATCHES/WARNINGS:

None

SEEDED CELL ID'S:

254, 2 other cells without track.

FLIGHT INFORMATION

TIME (z)	PLANE	FLARE LOCATION
2006	09P 229°	@ 40nm (CR)
2019	09P 227°	@ 60nm (CR)
2049	09P 220°	@ 58nm (CR)
2050	09P 219°	@ 58nm (CR)
2053	09P 218°	@ 57nm (CR)
2100	09P	Return to base

Seeding operations were attempted over Crockett (9) County. 9 flares were burned within 3 small clouds. Surface heating and a weak upper trough produced showers over the southern target. This is the second day for seeding in September and 38th day for seeding during the season. In "FLARE LOCATION", CR is Crockett County.