

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - July 27, 2010

SYNOPTIC/MESOSCALE CONDITIONS:

Upper level ridge Arizona/Utah to Carolinas and Florida. Stronger ridge over the Southeast. Upper low spins over west-central Texas.

LIFTING MECHANISM:

Surface heating, Upper low.

DISCUSSION:

MOSTLY SUNNY MORNING AND CUMULUS FIELD DEVELOPING EARLY AFTERNOON; SHOWERS DEVELOPING NORTH AND EAST OF TARGET EARLY, THEN OVER STERLING COUNTY AROUND 18Z. LAUNCH PLANE TO INVESTIGATE 20Z. INITIAL FLIGHT FOUND DIEING CLOUD. SECOND FLIGHT FOUND BETTER CLOUDS WITH FAIR RESPONSE. CONVECTIVE TEMPERATURE AT MIDLAND WAS 82 AND 83 AT DEL RIO. 5PM TEMPERATURES WERE 97/63 AT SAN ANGELO, 93/61 AT MIDLAND AND 90/64 AT SONORA. CLOUDS HAD AROUND 200-500 FT/MIN INFLOW OR OTHERWISE NEGLIBLE. BASES WERE FOUND ~6.4-7.2KFT; AT A TEMPERATURE OF 15°C.

WATCHES/WARNINGS:

None.

SEEDED CELL ID'S:

1816, 1978, 2205.

FLIGHT INFORMATION

TIME (z)	PLANE	FLARE LOCATION
2350	41P 248°	@ 06nm (TG)
2352	41P 271°	@ 09nm (TG)
0009	41P 301°	@ 35nm (ST)
0011	41P 297°	@ 34nm (ST)
0027	41P 287°	@ 07nm (TG)
0030	41P	Return to base

Seeding operations were attempted over Sterling (3), and Tom Green (6) Counties. 9 flares were burned within 3 clouds in response to surface heating and an upper low. This is the eleventh day for seeding in July and 27th day for seeding during the season. In "FLARE LOCATION", ST is Sterling County, and TG is Tom Green County.