

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - July 19, 2010

SYNOPTIC/MESOSCALE CONDITIONS:

Upper level ridge California/Nevada to Texas. Low pressure Montana to surface trough eastern New Mexico. Mesoscale surface low centered over Kimble affecting Sutton Co.

LIFTING MECHANISM:

Surface heating, Mesoscale surface low.

DISCUSSION:

MOSTLY SUNNY MORNING AND CUMULUS FIELD DEVELOPING AFTERNOON; SHOWERS DEVELOPING SOUTHEASTERN TARGET MID AFTERNOON ~1915Z. LAUNCH PLANE TO INVESTIGATE 1955Z. CONVECTIVE TEMPERATURE AT MIDLAND WAS 91 AND 86 AT DEL RIO. 3PM TEMPERATURES WERE 93 AT SAN ANGELO, 89 AT MIDLAND AND 91 AT SONORA. CLOUDS HAD AROUND 200-500 FT/MIN INFLOW. BASES WERE FOUND ~7-7.5KFT; AT A TEMPERATURE OF 15°C. THERE WAS LIMITED RESPONSE TO SEEDING DUE TO LOW TOPS, FREEZING LEVEL AT 5KM AND CORES ONLY BETWEEN 4-5KM.

WATCHES/WARNINGS:

None.

SEEDED CELL ID'S:

26, 33.

FLIGHT INFORMATION

TIME (z)	PLANE	FLARE LOCATION
2021	41P 163°	@ 27nm (SC)
2033	41P 149°	@ 36nm (SC)
2054	41P 148°	@ 32nm (SC)
2056	41P 142°	@ 29nm (SC)
2058	41P	Return to base

Seeding operations were attempted over Schleicher (7) County. 7 flares were burned within 3 very marginal clouds in response to surface heating and a weak surface low. This is the sixth day for seeding in July and 22nd day for seeding during the season. In "FLARE LOCATION", SC is Schleicher County.