

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - July 18, 2010

SYNOPTIC/MESOSCALE CONDITIONS:

Upper level ridge California/Nevada to Texas. Shortwave East-central 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 AFTERNOON; SHOWERS DEVELOPING SOUTHEASTERN TARGET LATE AFTERNOON ~2130Z. LAUNCH PLANE TO INVESTIGATE 2220Z. CONVECTIVE TEMPERATURE AT MIDLAND WAS 94 AND 98 AT DEL RIO. 5PM TEMPERATURES WERE 96 AT SAN ANGELO, 93 AT MIDLAND AND SONORA. CLOUDS HAD AROUND 300-400 FT/MIN INFLOW. BASES WERE FOUND ~8.5-9KFT; AT A TEMPERATURE OF 11-12°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:

53.

FLIGHT INFORMATION

TIME (z) PLANE FLARE LOCATION

2313	41P 175° @ 38nm (SC)
2317	41P 180° @ 39nm (SC)
2345	41P Return to base

Seeding operations were attempted over Schleicher (4) County. 4 flares were burned within 1 very marginal cloud in response to surface heating and a weak surface low. This is the fifth day for seeding in July and 21st day for seeding during the season. In "FLARE LOCATION", SC is Schleicher County.