

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - July 22, 2010

**SYNOPTIC/MESOSCALE CONDITIONS:**

Upper level ridge California/Nevada to South Carolina. Strong ridge centered Alabama rising into New England. Weak low over West Texas.

**LIFTING MECHANISM:**

Surface heating.

**DISCUSSION:**

MOSTLY SUNNY MORNING AND CUMULUS FIELD DEVELOPING AFTERNOON; SHOWERS DEVELOPING SOUTHEASTERN TARGET MID AFTERNOON ~21Z. LAUNCH PLANE TO INVESTIGATE 2145Z. CONVECTIVE TEMPERATURE AT MIDLAND WAS 86 AND 83 AT DEL RIO. 4PM TEMPERATURES WERE 93/66 AT SAN ANGELO, 91/63 AT MIDLAND AND 91/63 AT SONORA. CLOUDS HAD AROUND 200-300 FT/MIN INFLOW OR OTHERWISE NEGLIBLE. BASES WERE FOUND ~7KFT; AT A TEMPERATURE OF 19°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:**

232, 434.

**FLIGHT INFORMATION**

TIME (z)	PLANE	FLARE LOCATION
2201	41P 148° @ 27nm	(SC)
2238	41P 166° @ 44nm	(SC)
2301	41P	Return to base

Seeding operations were attempted over Schleicher (3) County. 2 flares were burned within 2 very marginal clouds in response to surface heating and a weak low. This is the eighth day for seeding in July and 24<sup>th</sup> day for seeding during the season. In "FLARE LOCATION", SC is Schleicher.