

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - May 24, 2010

**SYNOPTIC/MESOSCALE CONDITIONS:**

Low-pressure over Wyoming and south Dakota draws a surface trough into New Mexico. Dryline set up over New Mexico and Trans-Pecos. Upper level trough Idaho to Arizona/New Mexico.

**LIFTING MECHANISM:**

Shortwave influence, sufficient surface heating.

**DISCUSSION:**

MOSTLY CLOUDY MORNING AND AFTERNOON BUT CLEARING WEST TO EAST MID AFTERNOON. EARLY MORNING STRONG THUNDERSTORMS WEST OF TARGET PROGRESSED VERY SLOWLY SOUTHEASTWARD DURING THE DAY. MARGINALLY SEEDABLE DEVELOPMENT BEGAN TO OCCUR 1925Z. LAUNCHED PILOT ON MARGINAL CLOUDS SCHLIECHER/SUTTON AT 2030Z OR 330PM CONVECTIVE TEMPERATURE AT MIDLAND WAS 76 AND 88 AT DEL RIO. 3PM TEMPERATURES WERE 89 AT SAN ANGELO AND 82 AT SONORA. TWO MISSIONS: FIRST RECONAISSANCE OVER SCHLEICHER/SUTTON COUNTIES FOUND NO SEEDABLE CLOUDS - TRIP OUT TO CROCKETT BORDER FOUND STRONG THUNDERSTORMS TOO FAR AWAY AND NOT MOVING IN. SECOND FLIGHT FOUND SEEDABLE CLOUDS OVER NORTHERN SCHLEICHER MOVING INTO TOM GREEN. CLOUDS HAD AROUND 500-1000 FT/MIN INFLOW. BASES WERE FOUND ~6.8-7 KFT; AT A TEMPERATURE OF 11-16°C. \*\* SJT RADAR DOWN AS PILOT TAKING OFF\*\*

**WATCHES/WARNINGS:**

1800z - Severe storm Watch for West Texas and the Panhandle  
2040z - Severe warning Crockett Panhandle

**SEEDED CELL ID'S:**

639, 732, 801.

**FLIGHT INFORMATION**

TIME (z)	PLANE	FLARE LOCATION
2348	30Y 116°	@ 28nm (SC)
2350	30Y 122°	@ 25nm (SC)
2355	30Y 124°	@ 28nm (SC)
2357	30Y 159°	@ 29nm (SC)
0008	30Y 137°	@ 28nm (SC)
0011	30Y 138°	@ 19nm (SC)
0014	30Y 146°	@ 18nm (SC)
0016	30Y 182°	@ 20nm (SC)
0025	30Y 178°	@ 18nm (SC)
0029	30Y 179°	@ 17nm (TG)
0035	30Y 184°	@ 16nm (TG)
0038	30Y 188°	@ 16nm (TG)
0100	30Y	Return to base

Seeding operations were conducted over Schleicher (21) and Tom Green (7) counties. 28 flares were burned within 3 small clouds merging into one. Sufficient surface heating and shortwave influence helped to promote marginally seedable clouds. This is the third day for seeding in May and 5<sup>th</sup> day for seeding during the season. In "FLARE LOCATION", SC is Schleicher County and TG is Tom Green County.