

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - July 6, 2010

SYNOPTIC/MESOSCALE CONDITIONS:

Strong upper ridge over Mid-atlantic States, weaker ridge Desert Southwest. Shear axis West Texas with ample moisture.

LIFTING MECHANISM:

Surface heating.

DISCUSSION:

MOSTLY CLOUDY MORNING AND AFTERNOON; MARGINALLY SEEDABLE CLOUDS DEVELOPING 2145Z. LAUNCH PLANE TO INVESTIGATE 2215Z. CONVECTIVE TEMPERATURE AT MIDLAND WAS 84 AND 77 AT DEL RIO. 5PM TEMPERATURES WERE 90 AT SAN ANGELO AND 88 AT SONORA. VERY MARGINAL CONDITIONS CONTINUED WITH SMALL AREAS OF WORKABLE BASES - LIMITED RESPONSE TO SEEDING. CLOUDS CONTAINED WEAK INFLOW WITH POOR CLOUDY CONDITIONS AT BASE. CLOUDS HAD AROUND 200-500 FT/MIN INFLOW. BASES WERE FOUND ~7.5-8KFT; AT A TEMPERATURE OF 13-15°C. *TITAN DATA LOSS: FIRST PART OF MISSION* **USED HYGROSCOPIC FLARE ON ISOLATED CLOUD 199 IN ADDITION TO AgI**

WATCHES/WARNINGS:

None.

SEEDED CELL ID'S:

129, 130, 131, 132, 199*.

FLIGHT INFORMATION

TIME (z)	PLANE	FLARE LOCATION
2258	41P 177°	@ 60nm (SU)
2301	41P 174°	@ 60nm (SU)
2311	41P 187°	@ 60nm (SU)
2313	41P 190°	@ 60nm (SU)
2321	41P 181°	@ 60nm (SU)
2323	41P 181°	@ 60nm (SU)
2331	41P 186°	@ 60nm (SU)
2336	41P 187°	@ 60nm (SU)
0001	41P 197°	@ 60nm (SC)
0004	41P 202°	@ 60nm (SC)
0007	41P 205°	@ 60nm (SC)
0011	41P 203°	@ 60nm (SC)**
0018	41P	Return to base

Seeding operations were attempted over Schleicher (5), and Sutton (12) County. 17 flares were burned within 5 clouds. Shear axis and surface heating produced marginal showers. This is the first day for seeding in July and 17th day for seeding during the season. In "FLARE LOCATION", SC is Schleicher County and SU is Sutton County.