

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - May 27, 2007

**SYNOPTIC/MESOSCALE CONDITIONS:**

High pressure over eastern CONUS; Shortwave trough over the Texas Panhandle. Upper level trough over Texas.

**LIFTING MECHANISM:**

Surface heating, trough

**DISCUSSION:**

MOSTLY SUNNY WITH LIGHT CIRRUS DECK THROUGH THE AFTERNOON; SEVERAL CLOUDS DEVELOPED BEFORE 2PM OVER EASTERN TOM GREEN. PILOT READY AT 2:15PM. CLOUDS WERE INITIALLY SMALL AND AT MARGINAL STATUS. CONVECTIVE TEMPERATURE AT MIDLAND AND DEL RIO WAS 81. TEMPERATURES WERE 81 AT SAN ANGELO, 75 IN SONORA AT 2PM. SEEDING COMENCED AROUND 3:00. PILOTS FOUND 400-1300 FT/MIN INFLOW. BASES WERE FOUND AT 5300-6500 FT WITH A BASE TEMPERATURE OF 10-14°C.

**WATCHES/WARNINGS:**

Flash flood warning issued for Tom Green 4-6PM

**SEEDED CELL ID'S:**

Small cloud 808, 1116, 1143, 1305, 1415, and 1531 merged into one over eastern target. 1535 started west of Big Lake and progressed southward over Crockett County.

**FLIGHT INFORMATION:**

TIME (z)	PLANE	FLARE LOCATION
2000	09P	145° @ 26nm (SC)
2028	09P	168° @ 14nm (TG)
2038	41P	271° @ 18nm (IR)
2042	41P	271° @ 16nm (IR)
2043	41P	270° @ 16nm (IR)
2045	41P	270° @ 18nm (IR)
2046	09P	229° @ 26nm (IR)
2049	09P	252° @ 26nm (IR)
2053	41P	020° @ 08nm (TG)
2054	09P	230° @ 15nm (IR)
2057	09P	228° @ 16nm (IR)
2100	09P	228° @ 17nm (IR)
2100	41P	002° @ 08nm (TG)
2103	41P	350° @ 06nm (IR)
2106	09P	227° @ 15nm (IR)
2107	41P	330° @ 04nm (TG)
2108	09P	225° @ 20nm (IR)
2112	09P	223° @ 20nm (IR)
2121	41P	208° @ 21nm (SC)
2151	09P	248° @ 56nm (RE)

<b>TIME (z)</b>	<b>PLANE</b>	<b>FLARE LOCATION</b>
2130	41P	200° @ 22nm (SC)
2132	41P	211° @ 22nm (SC)
2135	41P	220° @ 23nm (IR)
2137	41P	217° @ 20nm (IR)
2139	41P	220° @ 25nm (SC)
2141	41P	215° @ 24nm (SC)
2143	41P	206° @ 23nm (SC)
2148	41P	208° @ 24nm (SC)
2202	09P	247° @ 56nm (RE)
2211	09P	246° @ 56nm (RE)
2214	09P	244° @ 57nm (RE)
2220	41P	235° @ 20nm (IR)
2245	41P	Return to base
2258	09P	235° @ 56nm (RE)
2303	09P	234° @ 56nm (RE)
2310	09P	Return to base

Seeding operations were conducted over Crockett (9), Irion (35), Reagan (7), Schleicher (17), and Tom Green (9) with excellent results. 77 flares were burned within seven small clouds. An upper-level trough, surface heating, and moist-southerly flow promoted showers and thunderstorms. This is the fifth day for seeding in May and 10th day for seeding during the season. In "**FLARE LOCATION**", CR is Crockett County, IR is Irion County, Re is Reagan County, and TG is Tom Green County.