

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - August 28, 2009

**SYNOPTIC/MESOSCALE CONDITIONS:**

Upper ridge building Desert Southwest. Shortwave trough running through West Texas.

**LIFTING MECHANISM:**

Shortwave trough, surface heating.

**DISCUSSION:**

MOSTLY SUNNY SKIES OCCURRED DURING MORNING AND AFTERNOON. CLOUDS BEGAN TO BUBBLE BEFORE 12PM; CALLED PILOT. SENT PILOT TO SEED AT 1755Z. CONVECTIVE TEMPERATURE AT MIDLAND WAS 87 AND 97 AT DEL RIO. 12PM TEMPERATURES WERE 89 AT SAN ANGELO AND 79 AT MIDLAND. CALLED 2<sup>ND</sup> PILOT TO SEED AT 18Z; HAD TO RETURN TO BASE QUICKLY. CLOUDS HAD AROUND 300-500 FT/MIN INFLOW; 1000FT/MIN INFLOW SPORADIC. BASES WERE FOUND ~6-9KFT; AT A TEMPERATURE ~12-14°C. AN EARLY MORNING FLIGHT FOUND A MARGINALLY SEEDABLE CLOUD OVER REAGAN; CLOUDS OVER SCHLIECHER AND SUTTON WERE NOT SEEDABLE. FLIGHT TRACK DATA NOT AVAILABLE; LIGHTNING ZAPPED TELEMETRY-WORKING ON SOLUTION.

**WATCHES/WARNINGS:**

None.

**SEEDED CELL ID'S:**

654, 867, 880, 889, 906, 938, 941, 1023, 1057, 1190.

**FLIGHT INFORMATION**

TIME(z)	PLANE	FLARE LOCATION		
1457	30Y 251° @ 60nm (RE)		1914	30Y 227° @ 29nm (RE)
1459	30Y 248° @ 59nm (RE)		1921	30Y 223° @ 31nm (RE)
1530	30Y Return to base		1933	30Y 249° @ 55nm (RE)
1801	30Y 285° @ 18nm (IR)		1936	30Y 248° @ 58nm (RE)
1803	30Y 281° @ 23nm (IR)		1939	30Y 248° @ 55nm (RE)
1811	30Y 290° @ 31nm (ST)		1942	30Y 247° @ 56nm (RE)
1814	30Y 295° @ 36nm (ST)		1948	30Y 260° @ 56nm (RE)
1819	30Y 305° @ 45nm (ST)		1951	30Y 259° @ 56nm (RE)
1822	30Y 301° @ 45nm (ST)		2003	30Y 254° @ 63nm (RE)
1824	30Y 297° @ 48nm (GL)		2007	30Y 253° @ 64nm (RE)
1827	30Y 294° @ 53nm (GL)		2009	30Y 253° @ 67nm (RE)
1829	30Y 294° @ 54nm (GL)		2033	30Y 249° @ 61nm (RE)
1833	30Y 294° @ 44nm (GL)		2035	30Y 244° @ 60nm (RE)
1842	30Y 287° @ 32nm (ST)		2037	30Y 245° @ 63nm (RE)
1849	30Y 262° @ 29nm (IR)		2100	30Y Return to base
1853	30Y 245° @ 26nm (IR)		2105	09P 294° @ 51nm (GL)
1855	30Y 241° @ 26nm (IR)		2110	09P Return to base
1901	30Y 250° @ 31nm (IR)			
1904	30Y 251° @ 33nm (IR)			

Seeding operations were conducted over Glasscock (9), Irion (8), Reagan (18), and Sterling (7) Counties. 42 flares were fired within 10 clouds, with multiple cells. Surface heating and a shortwave trough produced thunderstorms across the target. This is the thirteenth day for seeding in August and 48<sup>th</sup> day for seeding during the season. In "FLARE LOCATION, GL is Glasscock County, IR is Irion County, RE is Reagan County, and ST is Sterling County.