

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - June 24, 2010

SYNOPTIC/MESOSCALE CONDITIONS:

Ridge over Texas. Weakness over southeast Texas. Shortwave trough moving west. Frontal boundary West Texas.

LIFTING MECHANISM:

Shortwave trough, Surface heating.

DISCUSSION:

MOSTLY CLOUDY WITH CUMULUS BUILDING MORNING AND AFTERNOON; THUNDERSTORMS DEVELOPED THE SOUTHEAST AND NORTHWEST TARGET AROUND 230PM. CONVECTIVE TEMPERATURE AT MIDLAND WAS 88 AND 89 AT DEL RIO. HIGH TEMPERATURES WERE 99 AT SAN ANGELO AND MIDLAND. 3PM TEMPERATURES WERE 93 AT SAN ANGELO, SONORA, AND MIDLAND. CLOUDS HAD AROUND 300-500 FT/MIN INFLOW. BASES WERE FOUND ~8KFT; AT A TEMPERATURE OF 13°C.

WATCHES/WARNINGS:

NONE.

SEEDED CELL ID'S:

77-large merge, 159, 166, 177, 266, 533, 668, 713, 746, 863, 1119, 1402.

FLIGHT INFORMATION

TIME (z) PLANE FLARE LOCATION

2035	30Y 160° @ 25nm (SC)
2037	30Y 185° @ 25nm (SC)
2039	30Y 183° @ 29nm (SC)
2043	30Y 188° @ 39nm (SC)
2043	30Y 190° @ 41nm (SC)
2052	30Y 185° @ 30nm (SC)
2103	30Y 180° @ 36nm (SC)
2105	30Y 177° @ 41nm (SC)
2107	30Y 174° @ 44nm (SC)
2109	30Y 166° @ 44nm (SU)
2119	30Y 166° @ 44nm (SU)
2121	30Y 173° @ 45nm (SU)
2126	30Y 185° @ 47nm (SU)
2128	30Y 195° @ 49nm (SU)
2130	30Y 196° @ 47nm (SU)
2135	30Y 191° @ 48nm (SU)
2138	30Y 184° @ 47nm (SU)
2142	30Y 175° @ 45nm (SU)
2155	30Y 180° @ 48nm (SU)
2200	30Y 180° @ 48nm (SU)
2205	30Y 191° @ 48nm (SU)
2209	30Y 190° @ 54nm (SU)
2215	30Y 185° @ 55nm (SU)
2216	30Y 190° @ 55nm (SU)
2220	30Y 200° @ 52nm (CR)
2226	30Y 200° @ 54nm (CR)
2236	30Y 180° @ 57nm (SU)
2240	30Y 175° @ 62nm (SU)

2245	30Y 180° @ 58nm (SU)
2250	30Y 175° @ 61nm (SU)
2252	30Y 180° @ 62nm (SU)
2256	30Y 180° @ 61nm (SU)
2305	30Y 200° @ 61nm (CR)
2307	30Y 200° @ 62nm (CR)
2310	30Y 200° @ 64nm (CR)
2314	30Y 190° @ 63nm (SU)
2320	30Y Return to base
2129	24P 224° @ 22nm (IR)
2134	24P 220° @ 20nm (IR)
2155	24P 217° @ 45nm (CR)
2200	24P 224° @ 45nm (CR)
2206	24P 225° @ 46nm (CR)
2218	24P 220° @ 49nm (CR)
2229	24P 231° @ 42nm (CR)
2235	24P 235° @ 43nm (CR)
2250	24P 244° @ 56nm (CR)
2309	24P 240° @ 61nm (CR)
2326	24P 241° @ 65nm (CR)
2338	24P 246° @ 66nm (CR)
0023	24P 200° @ 19nm (SC)
0028	24P 200° @ 22nm (SC)
0031	24P 201° @ 21nm (SC)
0035	24P 205° @ 13nm (TG)
0054	24P Return to base

Seeding operations were conducted over Crockett (27), Irion (4), Schleicher (22), Sutton (48), and Tom Green (2) Counties. 103 flares were burned within 1 very large track cloud with more than 11 additional cells. An upper low over southeast Texas and sufficient surface heating allowed for very good cloud seeding. This is the fourth day for seeding in June and 10th day for seeding during the season. In "**FLARE LOCATION**", CR is Crockett County, IR is Irion County, SC is Schleicher County, SU is Sutton County, and TG is Tom Green County.