

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - July 31, 2008

**SYNOPTIC/MESOSCALE CONDITIONS:**

Weak low pressure is over Oklahoma with a very weak front into south-central Texas. A low over Trans-Pecos also. High Pressure Colorado/New Mexico. A ridge over the Desert Southwest.

**LIFTING MECHANISM:**

Boundary, Surface heating.

**DISCUSSION:**

MOSTLY SUNNY WERE PRESENT OVER THE TARGET AREA DURING THE MORNING AND AFTERNOON; CLOUDS BEGAN TO THICKEN OVER KIMBLE AND SOUTHERN SUTTON COUNTY BORDER AROUND 3PM. CONVECTIVE TEMPERATURE AT MIDLAND WAS 97 AND 88 AT DEL RIO. 4PM TEMPERATURES WERE 100 AT SAN ANGELO AND 99 AT SONORA. AIRCRAFT DELAY AT 330; LAUNCHED TWO AIRCRAFT BY 415. CLOUDS HAD AROUND 500-1400 FT/MIN INFLOW. BASES WERE FOUND ~8.2-9.6 KFT; AT A TEMPERATURE OF 13-19°C. VERY GOOD CLOUDS WERE SEEDED SUTTON COUNTY.

**WATCHES/WARNINGS:**

None.

**SEEDED CELL ID'S:**

Titan tracking errors inhibit ID.

FLIGHT INFORMATION

TIME (z) PLANE FLARE LOCATION

2131	30Y 000° @ 67nm (SU)	2213	30Y 344° @ 54nm (SU)
2132	30Y 002° @ 68nm (SU)	2216	30Y 344° @ 48nm (SU)
2133	30Y 001° @ 69nm (SU)	2218	30Y 344° @ 47nm (SU)
2136	30Y 002° @ 64nm (SU)	2210	30Y 344° @ 51nm (SU)
2137	30Y 003° @ 64nm (SU)	2242	30Y 350° @ 50nm (SU)
2139	30Y 002° @ 62nm (SU)	2244	30Y 351° @ 47nm (SU)
2140	30Y 003° @ 60nm (SU)	2246	30Y 347° @ 47nm (SU)
2152	30Y 346° @ 59nm (SU)	2247	30Y 345° @ 50nm (SU)
2154	30Y 347° @ 57nm (SU)	2250	30Y 341° @ 54nm (SU)
2157	30Y 350° @ 62nm (SU)	2305	30Y 329° @ 51nm (SU)
2201	30Y 347° @ 60nm (SU)	2306	30Y 329° @ 50nm (SU)
2205	30Y 349° @ 60nm (SU)	2310	30Y Return to Base
2206	30Y 350° @ 62nm (SU)		
2207	41P 218° @ 83nm (CR)	2236	41P 188° @ 62nm (SU)
2215	41P 218° @ 83nm (CR)	2239	41P 191° @ 64nm (SU)
2233	41P 192° @ 66nm (SU)	2246	41P 189° @ 62nm (SU)
		2325	41P Return to Base

Seeding operations were conducted over Crockett (2) and Sutton Counties (52). 54 flares were burned within 6 clouds. A frontal boundary and surface heating produced thunderstorms over the southern target. This is the seventh day for seeding in July and 21st day for seeding during the season. In "FLARE LOCATION", CR is Crockett County and SU is Sutton County.