

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - July 26, 2010

SYNOPTIC/MESOSCALE CONDITIONS:

Upper level ridge Arizona/Utah to Carolinas and Florida. Stronger ridge over the Southeast. Upper low spins over north central Texas.

LIFTING MECHANISM:

Surface heating, Upper low.

DISCUSSION:

MOSTLY SUNNY MORNING AND CUMULUS FIELD DEVELOPING EARLY AFTERNOON; SHOWERS DEVELOPING EAST OF TARGET EARLY, THEN OVER STERLING COUNTY AROUND 18Z. LAUNCH PLANE TO INVESTIGATE 1850Z. INITIAL FLIGHT FOUND GOOD INFLOW BUT CLOUD DID NOT PROSPER. SECOND FLIGHT FOUND BETTER CLOUDS WITH FAIR RESPONSE. CONVECTIVE TEMPERATURE AT MIDLAND WAS 85 AND 86 AT DEL RIO. 1PM TEMPERATURES WERE 90/62 AT SAN ANGELO, 85/60 AT MIDLAND AND 88/64 AT SONORA. CLOUDS HAD AROUND 200-500 FT/MIN INFLOW OR OTHERWISE NEGLIBLE. BASES WERE FOUND ~7.5-8KFT; AT A TEMPERATURE OF 12-13°C.

WATCHES/WARNINGS:

None.

SEEDED CELL ID'S:

55, 944, 1127.

FLIGHT INFORMATION

TIME (z) PLANE FLARE LOCATION

1914	30Y 306° @ 41nm (ST)		
1918	30Y 306° @ 39nm (ST)		
1925	30Y Return to base		
2056	41P 159° @ 45nm (SU)	2206	41P 146° @ 29nm (SC)
2102	41P 160° @ 42nm (SU)	2238	41P 305° @ 33nm (ST)
2105	41P 159° @ 47nm (SU)	2241	41P 304° @ 38nm (ST)
2109	41P 159° @ 49nm (SU)	2245	41P 310° @ 43nm (ST)
2115	41P 160° @ 45nm (SU)	2249	41P 312° @ 46nm (ST)
2135	41P 144° @ 32nm (SC)	2253	41P 304° @ 41nm (ST)
2138	41P 140° @ 31nm (SC)	2255	41P 304° @ 40nm (ST)
2143	41P 145° @ 32nm (SC)	2311	41P Return to base
2147	41P 137° @ 29nm (SC)		

Seeding operations were attempted over Schleicher (10), Sterling (16), and Sutton (9) Counties. 35 flares were burned within 4 clouds in response to surface heating and an upper low. This is the tenth day for seeding in July and 26th day for seeding during the season. In "**FLARE LOCATION**", SC is Schleicher County, ST is Sterling County, and SU is Sutton County.