

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - September 20, 2009

**SYNOPTIC/MESOSCALE CONDITIONS:**

Surface trough Manitoba to North Dakota - eastern New Mexico and West Texas. mid level low/trough Manitoba to southern Plains. Upper low Alberta to Wyoming/central Plains trough.

**LIFTING MECHANISM:**

Trough, surface heating.

**DISCUSSION:**

MOSTLY SUNNY SKIES OCCURRED DURING MORNING AND AFTERNOON. PECOS COUNTY STORM MOVING INTO CROCKETT PANHANDLE; CALLED PILOT TO SEED AROUND 145PM. LAUNCHED PILOT 240PM OR 1940Z. CONVECTIVE TEMPERATURE AT MIDLAND WAS 83 AND 85 AT DEL RIO. 2PM TEMPERATURES WERE 88 AT SAN ANGELO AND 86 AT MIDLAND. CLOUDS HAD AROUND 2-500 FT/MIN INFLOW. BASES WERE FOUND ~7-9KFT; AT A TEMPERATURE ~12-15°C. FLIGHT TRACK DATA NOT AVAILABLE; LIGHTNING ZAPPED TELEMETRY-WORKING ON SOLUTION.

**WATCHES/WARNINGS:**

None.

**SEEDED CELL ID'S:**

47, 151, 171, 207

**FLIGHT INFORMATION**

TIME(z)	PLANE	FLARE LOCATION			
2002	24P 240° @ 40nm (IR)		2105	24P 288° @ 30nm (ST)	
2012	24P 236° @ 59nm (CR)		2107	24P 288° @ 27nm (TG)	
2014	24P 235° @ 62nm (CR)		2207	24P 212° @ 73nm (CR)	
2016	24P 232° @ 65nm (CR)		2209	24P 211° @ 76nm (CR)	
2019	24P 231° @ 66nm (CR)		2211	24P 211° @ 79nm (CR)	
2021	24P 231° @ 62nm (CR)		2214	24P 210° @ 76nm (CR)	
2023	24P 235° @ 58nm (CR)		2228	24P 197° @ 48nm (SU)	
2040	24P 267° @ 51nm (RE)		2235	24P 189° @ 39nm (SC)	
2043	24P 270° @ 56nm (RE)		2237	24P 185° @ 35nm (SC)	
2046	24P 270° @ 42nm (RE)		2239	24P 181° @ 32nm (SC)	
2048	24P 270° @ 37nm (RE)		2245	24P 179° @ 33nm (SC)	
2057	24P 291° @ 32nm (ST)		2247	24P 181° @ 38nm (SC)	
2102	24P 293° @ 32nm (ST)		2250	24P Return to base	

Seeding operations were conducted over Crockett (20), Irion (2), Reagan (8), Schleicher (9), Sterling (6), Sutton (2), and Tom Green (2) Counties. 49 flares were fired within 4 clouds merging together. A trough and sufficient surface heating produced seedable thunderstorms. This is the seventh day for seeding in September and 55<sup>th</sup> day for seeding during the season. In "FLARE LOCATION, CR is Crockett County, IR is Irion County, RE is Reagan County, SC is Schleicher, ST is Sterling County, SU is Sutton County, and TG is Tom Green County.