

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - April 26, 2009

SYNOPTIC/MESOSCALE CONDITIONS:

Low pressure Texas Panhandle with associated triple point; warm front Kansas to Iowa. Cold front New Mexico Border to El Paso and Dryline West Texas.

LIFTING MECHANISM:

Dryline, surface low.

DISCUSSION:

MOSTLY CLOUDY MORNING AND AFTERNOON. PILOT AWAITING CLOUDS 2PM. FIRST CLOUD DEVELOPS PECOS COUNTY AFTER 2PM. LAUNCH AIRCRAFT AT 325PM TO INTERCEPT STORM ENTERING CROCKETT COUNTY. STORM TORNADO WARNED AT BORDER AND ALL THE WAY ACROSS THE TARGET. HAZY SKIES AND EMBEDDED INFLOW MADE FOR DIFFICULT SEEDING. SECOND PILOT SENT AT 425PM. SIMILAR HAZY SKIES AND EMBEDDED INFLOW OVER GLASSCOCK STORMS. CONVECTIVE TEMPERATURE AT MIDLAND WAS 81 AND 88 AT DEL RIO. 3PM TEMPERATURES WERE 88 AT MIDLAND, 79 AT BARNHART, AND 77 AT SONORA. BASES WERE FOUND ~6.5 KFT; AT A TEMPERATURE OF 15°C. CLOUDS HAD AROUND 500 FT/MIN INFLOW.

WATCHES/WARNINGS:

Storm prediction center Slight Risk; Tornado watch West Texas
Tornado warning Pecos County 3PM - 20Z, extended Crockett County 2110Z
Severe warning Glasscock 2120Z, extended Glasscock 2140, 2148.
Severe warning Crockett 22Z; Tornado warning extended 2236
Flood warning Crockett 2225Z - Ceases operations Crockett County
Severe warning extended Sterling 2300Z
Tornado warning extended E. Crockett 2340Z
Tornado warning extended Sutton 0Z, SVR warning Schleicher, Sutton 0Z

SEEDED CELL ID'S:

241, 254.

FLIGHT INFORMATION

TIME (z)	PLANE	FLARE LOCATION		
2114	30Y 232° @ 82nm (CR)		2204	41P 325° @ 63nm (GL)
2118	30Y 231° @ 83nm (CR)		2223	41P 266° @ 54nm (GL)
2200	30Y 274° @ 69nm (RE)		2226	41P 285° @ 53nm (GL)
2203	30Y 279° @ 64nm (GL)		2228	41P 284° @ 54nm (GL)
2206	30Y 281° @ 62nm (GL)		2249	41P 287° @ 49nm (GL)
2215	30Y Return to base		2254	41P 286° @ 51nm (GL)
			2335	41P 217° @ 31nm (SC)
			2344	41P 208° @ 38nm (SC)
			2348	41P 207° @ 38nm (SC)
			0000	41P Return to base

Seeding operations were conducted over Crockett (4), Glasscock (16), Reagan (3), and Schleicher (5) Counties. 28 flares were burned within 3 large clouds. A surface low with associated dryline produced severe thunderstorms west of target moving into target late afternoon. This is the third day for seeding in April and 4th day for seeding during the season. In "FLARE LOCATION", CR is Crockett County, GL is Glasscock County, RE is Reagan County, and SC is Schleicher County.