

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - July 12, 2010

SYNOPTIC/MESOSCALE CONDITIONS:

Upper level ridge along the south from Florida to the Desert Southwest. Weakness within ridge over Texas and associated surface trough from Alberta to Texas.

LIFTING MECHANISM:

Surface heating.

DISCUSSION:

MOSTLY CLOUDY MORNING AND SUNNY AFTERNOON; SEEDABLE CLOUDS DEVELOPING OVER PECOS COUNTY EARLY AFTERNOON AND CUMULUS OVER TARGET ~20Z. LAUNCH PLANE TO INVESTIGATE 2315Z. CONVECTIVE TEMPERATURE AT MIDLAND WAS 90 AND 100 AT DEL RIO. 6PM TEMPERATURES WERE 94 AT SAN ANGELO, 89 AT MIDLAND AND 93 AT SONORA. MARGINAL CLOUDS DEVELOPING OVER TARGET BECAME LARGER AND SEEDABLE INTO EVE. OLD 'PECOS' CLOUD MOVED INTO CROCKETT. CLOUDS HAD AROUND 300-1000 FT/MIN INFLOW. BASES WERE FOUND ~6.5KFT; AT A TEMPERATURE OF 18-19°C.

WATCHES/WARNINGS:

0000z - Flash flood warning for Pecos County.

SEEDED CELL ID'S:

3524, 3810, 3788, 3858, 3788, 3926.

FLIGHT INFORMATION

TIME (z)	PLANE	FLARE LOCATION		
2330	30Y 282° @ 31nm (TG)		0057	30Y 247° @ 55nm (RE)
2341	30Y 268° @ 51nm (RE)		0059	30Y 253° @ 57nm (RE)
2343	30Y 266° @ 55nm (RE)		0102	30Y 258° @ 60nm (RE)
2354	30Y 269° @ 41nm (IR)		0104	30Y 260° @ 65nm (RE)
0003	30Y 294° @ 30nm (ST)		0106	30Y 261° @ 61nm (RE)
0005	30Y 301° @ 29nm (ST)		0110	30Y 260° @ 56nm (RE)
0008	30Y 299° @ 31nm (ST)		0113	30Y 258° @ 52nm (RE)
0012	30Y 302° @ 29nm (ST)		0115	30Y 255° @ 48nm (RE)
0021	30Y 277° @ 40nm (TG)		0117	30Y 250° @ 46nm (RE)
0027	30Y 270° @ 43nm (RE)		0135	30Y 301° @ 26nm (ST)
0029	30Y 276° @ 41nm (RE)		0137	30Y 310° @ 30nm (ST)
0032	30Y 281° @ 40nm (RE)		0139	30Y 313° @ 36nm (ST)
0035	30Y 273° @ 41nm (ST)		0143	30Y 314° @ 42nm (ST)
0050	30Y 246° @ 58nm (RE)		0145	30Y 316° @ 39nm (ST)
0052	30Y 243° @ 57nm (RE)		0147	30Y 318° @ 34nm (ST)
0055	30Y 242° @ 56nm (CR)		0150	30Y Return to base

Seeding operations were attempted over Crockett (2), Irion (2), Reagan (45), Sterling (9), and Tom Green (5) Counties. 63 flares were burned within 6 clouds, one with several cells. Shear axis and surface heating produced marginal showers. This is the fourth day for seeding in July and 20th day for seeding during the season. In "FLARE LOCATION", CR is Crockett County, IR is Irion County, RE is Reagan County, ST is Sterling County, and TG is Tom Green County.