

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - June 30, 2010

SYNOPTIC/MESOSCALE CONDITIONS:

Moist easterly upslope flow over West Texas and moisture from Hurricane Alex streaming northward. Upper ridge over Colorado and Kansas to Manitoba.

LIFTING MECHANISM:

Surface heating.

DISCUSSION:

MOSTLY CLOUDY MORNING AND AFTERNOON; MARGINALLY SEEDABLE CLOUDS DEVELOPING 1940Z. LAUNCH PLANE TO INVESTIGATE 1945Z. CONVECTIVE TEMPERATURE AT MIDLAND WAS 73 AND 84 AT DEL RIO. 3PM TEMPERATURES WERE 86 AT SAN ANGELO AND 81 AT BARNHART. VERY MARGINAL CONDITIONS CONTINUED WITH SMALL AREAS OF WORKABLE BASES - LIMITED RESPONSE TO SEEDING. CLOUDS CONTAINED WEAK INFLOW WITH POOR CLOUDY CONDITIONS AT BASE. CLOUDS HAD AROUND 300-500 FT/MIN INFLOW. BASES WERE FOUND ~5KFT; AT A TEMPERATURE OF 20°C.

WATCHES/WARNINGS:

None.

SEEDED CELL ID'S:

2624, 3044, 3188, 3249, 3502.

FLIGHT INFORMATION

TIME (z) PLANE FLARE LOCATION

2030	41P 277° @ 51nm (RE)
2040	41P 270° @ 55nm (RE)
2041	41P 270° @ 55nm (RE)
2042	41P 274° @ 54nm (RE)
2045	41P 275° @ 54nm (RE)
2046	41P 274° @ 55nm (RE)
2047	41P 270° @ 57nm (RE)
2117	41P 291° @ 45nm (GL)
2125	41P 278° @ 47nm (RE)
2126	41P 276° @ 47nm (RE)
2144	41P 302° @ 37nm (ST)
2145	41P 297° @ 36nm (ST)
2150	41P Return to base

Seeding operations were attempted over Glasscock (1), Reagan (11) and Sterling (2) County. 14 flares were burned within 5 clouds. Moist easterly upslope and surface heating produced marginal showers. This is the tenth day for seeding in June and 16th day for seeding during the season. In "FLARE LOCATION", GL is Glasscock County, RE is Reagan County, and ST is Sterling County.