

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - June 14, 2010

SYNOPTIC/MESOSCALE CONDITIONS:

Surface low Colorado with dryline/mild trough New Mexico to Trans-Pecos. Frontal boundary southern Panhandle. Upper ridge over the Southeast

LIFTING MECHANISM:

Dryline, Frontal Boundary.

DISCUSSION:

MOSTLY SUNNY MORNING AND AFTERNOON; THUNDERSTORMS DEVELOPED WEST AND NORTH OF THE TARGET AREA. WESTERLY STORMS MOVED SLOWLY INTO TARGET THROUGH THE EARLY EVENING. LATE ARRIVAL DUE TO AIRCRAFT ISSUE. CONVECTIVE TEMPERATURE AT MIDLAND WAS 89 AND 88 AT DEL RIO. HIGH TEMPERATURES WERE 99 AT SAN ANGELO AND MIDLAND. 5PM TEMPERATURES WERE 72 AT SAN ANGELO AND 95 AT SONORA. CLOUDS HAD AROUND 300-500 FT/MIN INFLOW. BASES WERE FOUND ~8KFT; AT A TEMPERATURE OF 13°C.

WATCHES/WARNINGS:

NONE.

SEEDED CELL ID'S:

115.

FLIGHT INFORMATION

TIME (z) PLANE FLARE LOCATION

0121	41P 275° @ 59nm (GL)
0125	41P 278° @ 61nm (GL)
0125	41P 278° @ 65nm (GL)
0127	41P 278° @ 62nm (GL)
0129	41P 278° @ 59nm (GL)
0131	41P 278° @ 59nm (GL)
0137	41P 290° @ 57nm (GL)
0139	41P 290° @ 55nm (GL)
0140	41P 290° @ 59nm (GL)
0142	41P 290° @ 56nm (GL)
0144	41P 290° @ 51nm (GL)
0150	41P Return to base

Seeding operations were conducted Glasscock (23) County. 23 flares were burned within 1 very large track cloud with numerous strong cells. A dryline to the west and frontal boundary to the northern produced seedable thunderstorms. This is the third day for seeding in June and 9th day for seeding during the season. In "FLARE LOCATION", GL is Glasscock County.