

June 2008 Operations Report

June 13, 2008 - Seeding operations were conducted over Glasscock County (31) and Sterling County (4) with fair results. 35 flares were burned within 4 cells. A weak frontal boundary produced strong thunderstorms over the northern target.

June 21, 2008 - Seeding operations were conducted over Crockett County (53), Irion County (5), Reagan County (17), and Sutton County (2) with fair results. 77 flares were burned within 9 clouds. A weak frontal boundary produced thunderstorms over the southern target.

June 23, 2008 - Seeding operations were attempted over Glasscock County (2). 2 flares were burned within 1 cell. A weak shortwave and ineffective surface heating produced a few showers.

June 24, 2008 - Seeding operations were conducted over Glasscock County (16), Irion County (12), Reagan County (10), and Tom Green County Panhandle (5) with fair results. 43 flares were burned within 4 clouds. A weak upper level disturbance produced thunderstorms over the northwest target.

June 27, 2008 – Seeding operations were conducted over Glasscock County (12) and Reagan County (6). 18 flares were burned within 2 clouds. A weak upper level disturbance produced thunderstorms over the western target.

June 28, 2008 – Seeding operations were conducted over Reagan County (47) and Sterling County (26). 83 flares were burned within 8 cells which merge into one large cloud. A surface low and sufficient surface heating produced thunderstorms over the western target.

June 30, 2008 - Seeding operations were conducted over Schleicher County (9). 9 flares were burned within 2 clouds which merge into one cloud. A stationary front and sufficient surface heating produced thunderstorms over the southern target. This is the seventh day for seeding in June and 14th day for seeding during the season.

The month of June contained 7 days of operations

Date	Flares	Counties seeded
13	35	Glasscock, Sterling
21	77	Crockett, Irion, Reagan, Sutton
23	2	Glasscock, Reagan
24	43	Glasscock, Irion, Reagan, Tom Green
27	18	Glasscock, Reagan
28	83	Reagan, Sterling
30	9	Schleicher
Total Flares: 267		

The general weather pattern for June began with a ridge dominating Texas and the south-central Plains. This pattern continued through the first two weeks of June with the ridge center shifting west over Mexico. Northwesterly flow aloft with several shortwave impulses rotating through West Texas during the later third of the month allowed for several seedable days. Nocturnal Mesoscale Convective Systems (MCS) arrived on several early mornings and proceeded to retain midlevel moisture across the region as well. An upper level disturbance combined with an abnormally strong frontal boundary the last few days of the month to supply widespread rain across the target area. Overall, the last half of June was good for seeding and for rain throughout the region. Although rainfall was quite good, totals at Abilene and San Angelo

remained below normal. Midland received above .31 inches above normal monthly precipitation. The majority of rain occurred overnight between the 28th and 30th throughout the target and beyond. Abilene was above normal for the year by 1.20inches at 12.27. San Angelo and Midland were below normal for the year by 1.05 and 2.64 inches at 9.15 and 3.12 inches, respectively.

Monthly rain gauge measurements from nearest locations inside and out of the target area recorded either by the National Weather Service, Weatherbug Sites, Wunderground or Mesowest sites are provided.

1.71	Grape Creek
3.33	Eldorado
0.54	McCamey
1.36	Barnhart
2.19	Mathis Field
2.50	Junction
2.52	Abilene
2.02	Midland
3.56	Sonora
1.20	Big Spring
3.82	Ozona (15mi SSW)
0.07	Cox Ranch
2.53	Mertzon
4.42	Knickerbocker
2.34	Sterling City
1.18	Iraan
2.84	Big Lake