

March 2010 Operations Report

March 8, 2010 - Seeding operations were conducted over Schleicher (10) and Sutton (8) Counties. 18 flares were burned within 3 small cells along a line. An upper level low and cold front produced marginal thunderstorms in the morning.

March 24, 2010 - Seeding operations were conducted over Crockett (11), Schleicher (10), and Sutton (18) Counties. 39 flares were burned within 2 small cells and one large cell with good results. A dryline produced marginal thunderstorms during mid-afternoon. This is the second day for seeding in March and 2nd day for seeding during the season.

The month of March contained 2 days of operations

Date	Flares	Counties seeded
8	18	Schleicher, Sutton
24	39	Crockett, Schleicher, Sutton
Total Flares: 57		

The general weather pattern for March began with cool temperatures but began to see an increasing number of low-pressure systems move across northern Mexico and into western Texas. Afternoon Temperatures hovered between 50 and 80 degrees for the first half of the month with the exception of the 14th where 87° was reached. That last week of March yielded a warmer than average period as mostly zonal conditions transitioned into a large trough over the western states pulling in warm southerly winds. Windy conditions were prevalent as strong surface lows migrated across the state.

Seeding opportunities were very marginal with temperatures only near 70 degrees but proved to be very beneficial for training a new weather modification pilot.

March continued an above normal precipitation pattern with three episodes of rainfall at San Angelo. Totals at San Angelo, Midland, and Abilene rose above the monthly normal for March. San Angelo received 1.17 inches and was .18 inches above normal. Abilene received 1.76 inches and was .35 inches above normal. Midland received .59 inches in March and was .17 inches above normal. All three sites pushed further above normal for annual precipitation. San Angelo recorded 6.05 inches, Abilene 7.09, and Midland 3.76. Respectively, each site was above normal by 3.06, 3.58, and 2.23 inches for the year.

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.

<u>NWS</u>	1.02	Ozona	1.68	Vancourt
1.17	Mathis Field	0.51	Iraan	
1.76	Abilene	1.75	Sterling City	<u>Wunderground</u>
1.65	Junction			1.20
0.59	Midland	<u>CocoRahs</u>		0.63
0.81	Big Spring	1.34	Eldorado	<u>Other</u>
		1.39	Knickerbocker	1.06
<u>Utah Mesonet</u>		0.70	Garden City	0.34
1.16	Barnhart	0.77	Ozona (15mi SSW)	1.38
1.76	Sonora	0.51	Iraan	
0.75	Cox Ranch	0.48	Iraan	