



Trans-Pecos Weather Modification Association

Monthly Operations Report

June 2018 Operations Report

The month of June contained 2 days of operations.

Date	Flares	Counties seeded
28	10	Culberson, Reeves
29	23	Pecos, Reeves, Ward
TOTAL	33	

The 2018 Trans-Pecos Weather Modification Association got started on June 15th, 2018. The first two weeks of June, pilots were hired and trained by the West Texas Weather Modification Association. The WTWMA will continue to provide meteorological services and pilot training.

Unfortunately, the first two weeks of the month were dominated by upper level ridging keeping the area predominately dry. A large system developed on the 15th which dropped plentiful rain over areas near Coyanosa, Monahans and areas to the east. By the end of the month, a dryline developed and allowed seeding opportunities on both the 28th and 29th. The first day saw storms develop over the mountains near Kent, TX which moved north northwest into Culberson County. Storms were seeded in east central Culberson County along the Culberson/Reeves county line. The second day of operations took place in Pecos, Reeves and Ward counties as storms developed along I-10 and moved their way northward. Both operational days took place efficiently and radar seemed to show a good response from the seeding efforts.

For the month, precipitation totals were marginal for the most part. However, areas near Pecos, Texas were near normal with rainfall from 0.98" to 1.78", mostly from the seeding on the 29th. Meanwhile, Monahans and Coyanosa saw significant rainfall exceeded 4-7" as a result of the large system that developed during the middle of the month.

Year-to-date, precipitation totals are suffering due to a very dry start of the year. Pecos, TX should be just over 4" but has only hit 2.18" near town. However, thanks to the rain event in mid-June, totals for Monahans and Coyanosa are doing well.



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Monthly rain gauge measurements from nearest locations inside and out of the target area recorded either by the National Weather Service, Texas Tech University, Mesowest as well as CoCoRaHS.

June 2018 (Normal's of 1.80" from Midland to 1.22" in Pecos)

Culberson		Reeves	
Pine Springs	0.71	Pecos	0.98
Van Horn 48.6 NNE	0.36	Balmorhea	-
Van Horn 6 ENE	0	Pecos 2	1.78
Ward		Balmorhea 2.1 SW	0.05
Monahans	4.46	Out of Target Area	
Pecos		McCamey	2.1
Coyanosa	7.08	Midland	2.56
Fort Stockton	3.20	Wink	0.52
Fort Stockton 11.5N	3.40	Kent	0.37

Year to Date (Normal's of 6.06" from Midland to 4.20" in Pecos)

Culberson		Reeves	
Pine Springs	1.99	Pecos	1.48
Van Horn 48.6 NNE	1.66	Balmorhea	-
Van Horn 6 ENE	0.26	Pecos 2	2.18
Ward		Balmorhea 2.1 SW	1.9*
Monahans	5.14	Out of Target Area	
Pecos		McCamey	2.95
Coyanosa	7.36	Midland	3.40
Fort Stockton	4.78	Wink	0.92
Fort Stockton 11.5N	3.64	Kent	1.88