

September 2017 Operations Report

The month of September contained 1 day of operations.

Date	Flares	Counties seeded
20	36+3H	Irion
TOTAL	36+3H	

September was dominated by a large rain event during the last week of the month. Rainfall of 2-4 inches area wide was recorded with some areas just ENE of San Angelo receiving 5-9". Despite this, no operations took place as conditions were cool and overcast with only stratiform clouds. We did operations on the 20th, however, as a cell in Irion County developed producing a severe thunderstorm warning. We did have other storms in Crockett, Reagan and Schleicher County but these did not develop until after sunset in which we had to recover due to daylight. With that said, very favorable rainfall fell across the area during the second half of the month. High pressure and upper level ridging dominated the first half of the month. Very dry conditions persisted through the first 2 weeks keeping aircraft grounded.

Month to date rainfall for all three major reporting stations were above average. Midland, which recorded 4.07" of rainfall, saw the highest total above normal by 2.21". San Angelo's 3.46" was 1" above normal while Abilene was 2.19" above normal with a total of 4.43" for the month. These totals now put Midland at 5.23" above normal for the year totaling 16.81" so far. San Angelo and Abilene remain below normal, but are beginning to close the deficit. Abilene now stands at 18.88" (-0.32") with San Angelo at 15.56" (-0.97"). Despite the abundant rainfall, high pressure dominating during the first half of the month resulted in very warm temperatures. All three stations were above normal for the month with Abilene closest to normal at 75.6°F (+0.1°). San Angelo at 1.6°F above normal for the month (77.2°) with Midland the warmest at 77.3°F (+2.8°F).

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.

September 2017 (Normal's of 1.86" from Midland to 2.46" in San Angelo)

Crockett County		Reagan County		Tom Green	
Ozona 32SW	2.59	Big Lake (TTU)	1.43	Wall	4.39
Ozona 20.9SSW	2.80	Big Lake (NWS)	-	San Angelo 7NW	3.19
Ozona 19.6S	3.82	Cope Ranch	1.29	Knickerbocker	3.33
Ozona 15SSW	2.65	Sterling County		Carlsbad	2.27
Ozona Airport	1.35	Sterling City (MES)	3.79	Miles 6.5SSE	9.10
Irion County		Sterling City (TTU)	3.02	San Angelo (NWS)	3.46
Mertzon (TTU)	4.46	Sterling City 0.7NW	4.05	Out of Target Area	
Mertzon (S)	2.47	Sutton County		Junction (Kimble)	2.50
Barnhart	2.15	Sonora Average	2.97	Midland (Midland)	4.07
Schleicher County		Sonora Airport	3.08	Abilene (Taylor)	4.43
Eldorado 0.2	2.46	AREA AVERAGE		St. Lawrence (Glasscock)	2.65
Eldorado 22.6ENE	3.28	3.22		Lees (Glasscock)	-

Year to Date (Normal's of 11.58" from Midland to 16.53" in San Angelo)

Crockett County		Reagan County		Tom Green	
Ozona 32SW	16.74	Big Lake (TTU)	17.02	Wall	22.41
Ozona 20.9SSW	18.38	Big Lake (NWS)		San Angelo 7NW	18.35
Ozona 19.6S	15.92	Cope Ranch	19.59	Knickerbocker	19.93
Ozona 15SSW	17.45	Sterling County		Carlsbad	14.18
Ozona Airport	1.35	Sterling City (MES)	23.34	Miles 6.5SSE	21.35
Irion County		Sterling City (TTU)	18.20	San Angelo (NWS)	15.56
Mertzon (TTU)	23.07	Sterling City 0.7NW	24.73	Out of Target Area	
Mertzon (S)	16.65	Sutton County		Junction (Kimble)	17.19
Barnhart	18.96	Sonora Average	19.44	Midland (Midland)	16.93
Schleicher County		Sonora Airport	18.66	Abilene (Taylor)	18.88
Eldorado 0.2	19.42	AREA AVERAGE		St. Lawrence (Glasscock)	14.13
Eldorado 22.6ENE	19.16	18.57		Lees (Glasscock)	-