

**SOUTH TEXAS WEATHER MODIFICATION ASSOCIATION – PLEASANTON,
TEXAS**

SEEDING REPORT – June 26, 2017

SYNOPTIC/MESOSCALE CONDITIONS:

Mostly clear across south Texas this morning, with patchy fog and a few isolated showers along the coast. Fog looks to last through the early morning hours. A stalled front continues to bring very moist air into the region, with isolated showers continuing through the mid morning hours. Partly to mostly cloudy today with isolated showers and thunderstorms looking to develop by the late morning hours, then become scattered by the early afternoon. Locally heavy rain is possible. High temperatures in the upper 80's, lower 90's. Isolated showers and storms look to continue through the evening, then slowly dissipate, however storms could continue through hill country into the early overnight hours. Mostly cloudy overnight with patchy fog. Overnight low temps in the lower to mid 70's with cooler temps over hill county.

LIFTING MECHANISM:

Daytime heating, and outflow boundaries.

THERMODYNAMIC INDICES (12Z KCRP)

KCRP Freezing Level (m)	4828.65	KDRT Freezing Level (m)	4762.02
Precipitable Water (Inches)	2.22	CAPE (J/Kg)	842.43
LCL (m)	220.09	CINH (J/Kg)	18.33
CCL (m)	1090.68	LI (degrees C)	-3.04
Cloud Base (m)	1122	PB	2.3
Warm Cloud Depth (m)	3706.65	Cloud Base Temp (°C)	24
CRP ICA	-9.4	DRT ICA	-9.5

DISCUSSION: Numerous small showers and storms began forming across the region after the sun can out after 16Z. Launched first pilot who began seeding on a small storm over central Atascosa county. Most of the storms briefly had strong updrafts, however these storms did not last long even with seeding. There were so many storms it was hard to choose just one, however pretty much all storms lasted less than one hour. Send first pilot over to Karnes and Wilson counties, and launched second pilot. Second pilot had better luck with a longer-lived storm in McMullen county, but the storm eventually moved into the bombing range and we could not pursue it. Returned both pilot after 21Z as storms dissipated across the region. Launched pilot again after 22:50Z as strong storms formed in western Bexar county, and far northwestern Uvalde county. Pilot cloud seeded the storm in eastern Medina county, which looked good on radar but had a weak updraft. Pilot then moved on to large storm moving southeast through Uvalde county. Pilot started seeding that storm after 23:40Z and storm intensified. Seeding continued until just after 00Z when it became too dark.

Warnings: None

Seeded cell ID's: 17, 349, 422, 391, 611, 843, 1408, 396

Flight Information:

Time (UTC)	Plane	Flare Location	County
18:20	57AA	In air	
18:44	57AA	173° @ 14 NM	Atascosa
18:44	57AA	172 @ 14	Atascosa
18:46	57AA	169 @ 13	Atascosa
18:47	57AA	175 @ 14	Atascosa
18:48	57AA	170 @ 13	Atascosa
19:05	160P	In air	
19:08	57AA	197 @ 36	McMullen
19:08	57AA	197 @ 36	McMullen
19:09	57AA	197 @ 36	McMullen
19:11	160P	190 @ 5	Atascosa
19:13	160P	186 @ 5	Atascosa
19:14	160P	184 @ 6	Atascosa
19:15	160P	181 @ 6	Atascosa
19:16	160P	192 @ 7	Atascosa
19:28	57AA	173 @ 50	McMullen
19:28	57AA	172 @ 51	McMullen
19:29	57AA	173 @ 50	McMullen
19:40	57AA	165 @ 37	McMullen
19:41	57AA	164 @ 36	McMullen
19:42	57AA	167 @ 37	McMullen
19:58	57AA	162 @ 33	McMullen
19:59	57AA	163 @ 34	McMullen
20:00	57AA	166 @ 35	McMullen
20:25	160P	60 @ 34	Wilson
20:26	160P	61 @ 36	Wilson
20:31	57AA	178 @ 40	McMullen
20:32	57AA	180 @ 41	McMullen
20:33	57AA	178 @ 41	McMullen
20:55	160P	48 @ 15	Wilson
20:56	160P	55 @ 16	Wilson
21:06	57AA	Landed	
22:20	160P	Landed	
22:50	57AA	In air	
23:15	57AA	313 @ 35	Medina
23:16	57AA	314 @ 37	Medina
23:17	57AA	313 @ 37	Medina

23:18	57AA	312 @ 36	Medina
23:19	57AA	314 @ 38	Medina
23:43	57AA	287 @ 74	Uvalde
23:47	57AA	291 @ 70	Uvalde
23:49	57AA	291 @ 69	Uvalde
23:51	57AA	290 @ 67	Uvalde
0:00	57AA	279 @ 72	Uvalde
0:02	57AA	279 @ 74	Uvalde
0:06	57AA	282 @ 71	Uvalde
0:53	57AA	Landed	

Seeding operations were conducted over Atascosa (21 + 1H), McMullen (30 + 0H), Medina (10 + 0H), Uvalde (14 + 0H), and Wilson (8 + 0H) counties. 83 flares plus 1 hygroscopic flares were burned within 15 clouds. This is the 6th day for seeding in June and the 12th day for seeding during the season.