

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

SEEDING REPORT – June 25, 2017

SYNOPTIC/MESOSCALE CONDITIONS:

A stationary front is stalled across the south TX region, with very moist air to the south of the front. The front looks to slowly move back north this morning and afternoon, aided by a weak seabreeze. Very little CIN means showers and thunderstorms will likely begin forming from daytime heating in the early afternoon. Heavy rain is possible. Scattered showers and thunderstorms look to last through the afternoon into the early evening hours. High Temperatures in the upper 80's, lower 90's. Isolated showers and thunderstorms in the evening, then mostly cloudy overnight. Overnight low temps in the lower to mid 70's, with cooler temps over hill county.

LIFTING MECHANISM:

Daytime heating, outflow boundaries, and stationary front.

THERMODYNAMIC INDICES (12Z KCRP)

KCRP Freezing Level (m)	4801.11	KDRT Freezing Level (m)	4845.64
Precipitable Water (Inches)	2.06	CAPE (J/Kg)	1111.07
LCL (m)	168.63	CINH (J/Kg)	28.93
CCL (m)	1041.62	LI (degrees C)	-4.54
Cloud Base (m)	763	PB	3.1
Warm Cloud Depth (m)	4038.11	Cloud Base Temp (°C)	24
CRP ICA	-8.1	DRT ICA	-13.4

DISCUSSION: Numerous small showers and storms began forming across the region after the sun can out after 16Z. Launched pilot after 17Z to investigate developing showers. Launched second pilot soon after and both pilots cloud seeded numerous storms over the region. Both pilot returned to reflare and were launched again in the afternoon. Storms started dissipated in the late afternoon and one pilot only had minor success with a weakening storm in Frio county after 21:30Z. Other pilot had more success with a slow moving complex of storms just east of the operational area. Most of the seeding was done outside the operational area, however the storms were slowly moving to the east/southeast. Storm complex continued into Karnes and Bee counties. Pilot ran out of flares so landed, the second pilot continued seeding until storms began rapidly weakening after 22:30Z. Then sent pilot after consistent storm moving southwest through Bandera county. An CCW ETC centered over south TX became apparent later in the day. Pilot did seed the storms in Uvalde/Medina county, however storms soon dissipated.

Warnings: None

Seeded cell ID's: 1980, 2047, 2649, 1839, 2920, 3023, 3024, 3284, 3241, 3526, 3472, 3707, 3828, 2644, 3629

Flight Information:

Time (UTC)	Plane	Flare Location	County
17:27	57AA	In air	
17:38	160P	In air	
17:44	160P	103° @ 44 NM	Goliad
17:45	160P	104 @ 44	Goliad
17:46	160P	105 @ 44	Goliad
17:47	160P	106 @ 44	Goliad
17:48	160P	108 @ 43	Bee
17:57	160P	106 @ 44	Bee
17:58	160P	107 @ 44	Bee
17:58	160P	110 @ 44	Bee
17:59	160P	111 @ 45	Bee
18:00	57AA	256 @ 31	Frio
18:00	160P	108 @ 45	Bee
18:01	57AA	259 @ 31	Frio
18:01	57AA	259 @ 31	Frio
18:02	57AA	258 @ 30	Frio
18:03	57AA	259 @ 31	Frio
18:05	57AA	260 @ 31	Frio
18:07	160P	94 @ 38	Karnes
18:08	160P	96 @ 37	Karnes
18:09	160P	96 @ 38	Karnes
18:10	160P	94 @ 39	Karnes
18:11	160P	96 @ 38	Karnes
18:14	160P	95 @ 34	Karnes
18:15	160P	94 @ 35	Karnes
18:16	160P	94 @ 35	Karnes
18:17	160P	94 @ 33	Karnes
18:17	160P	95 @ 35	Karnes
18:22	57AA	290 @ 23	Medina
18:23	160P	102 @ 28	Karnes
18:23	57AA	288 @ 23	Medina
18:24	160P	103 @ 26	Karnes
18:25	160P	103 @ 26	Karnes
18:25	57AA	287 @ 23	Medina
18:26	160P	103 @ 27	Karnes
18:27	57AA	288 @ 24	Medina
18:27	160P	104 @ 27	Karnes
18:37	160P	88 @ 18	Wilson

18:38	160P	88 @ 20	Karnes
18:39	160P	85 @ 18	Wilson
18:40	160P	87 @ 17	Wilson
18:41	160P	86 @ 19	Wilson
18:42	160P	87 @ 20	Karnes
18:43	57AA	297 @ 24	Medina
18:44	57AA	296 @ 23	Medina
18:45	57AA	296 @ 23	Medina
19:02	160P	Landed	
19:06	57AA	267 @ 21	Frio
19:07	57AA	267 @ 20	Frio
19:08	57AA	268 @ 18	Frio
19:09	57AA	269 @ 19	Frio
19:22	57AA	222 @ 12	Atascosa
19:25	57AA	225 @ 15	Atascosa
19:26	57AA	234 @ 15	Atascosa
19:28	57AA	223 @ 14	Atascosa
19:29	57AA	230 @ 14	Atascosa
19:31	57AA	233 @ 14	Atascosa
19:43	57AA	Landed	
20:29	160P	In air	
21:09	57AA	In air	
21:10	160P	81 @ 45	De Witt
21:10	160P	83 @ 46	De Witt
21:11	160P	83 @ 46	De Witt
21:12	160P	82 @ 45	De Witt
21:13	160P	81 @ 45	De Witt
21:17	160P	89 @ 49	De Witt
21:18	160P	90 @ 49	De Witt
21:20	160P	93 @ 48	Karnes
21:21	160P	95 @ 48	Goliad
21:22	160P	93 @ 48	Karnes
21:28	160P	82 @ 44	De Witt
21:28	160P	81 @ 44	De Witt
21:29	160P	78 @ 43	De Witt
21:30	160P	76 @ 43	De Witt
21:31	160P	74 @ 44	De Witt
21:41	57AA	248 @ 35	Frio
21:42	57AA	246 @ 36	Frio

21:43	57AA	247 @ 36	Frio
21:44	57AA	247 @ 36	Frio
21:45	57AA	246 @ 36	Frio
21:47	57AA	246 @ 37	Frio
21:53	160P	99 @ 45	Karnes
21:54	160P	101 @ 46	Goliad
21:55	160P	104 @ 45	Goliad
21:56	160P	104 @ 45	Goliad
21:57	160P	102 @ 45	Goliad
22:10	160P	100 @ 41	Karnes
22:10	160P	98 @ 42	Karnes
22:11	160P	98 @ 43	Karnes
22:12	160P	96 @ 44	Karnes
22:13	160P	94 @ 44	Karnes
22:15	160P	91 @ 43	Karnes
22:15	160P	90 @ 42	Karnes
22:16	160P	88 @ 42	Karnes
22:17	160P	85 @ 42	Karnes
22:18	160P	87 @ 42	Karnes
22:19	160P	89 @ 42	Karnes
22:27	160P	Landed	
22:37	57AA	102 @ 32	Karnes
22:37	57AA	105 @ 32	Karnes
22:38	57AA	108 @ 32	Karnes
22:40	57AA	112 @ 32	Bee
22:41	57AA	115 @ 33	Bee
22:46	57AA	116 @ 39	Bee
22:47	57AA	116 @ 41	Bee
23:45	57AA	301 @ 59	Medina
23:48	57AA	300 @ 61	Uvalde
23:50	57AA	300 @ 63	Uvalde
23:53	57AA	299 @ 60	Medina
23:55	57AA	299 @ 58	Medina
0:05	57AA	298 @ 56	Medina

Seeding operations were conducted over Atascosa (11 + 0H), Bee (20 + 1H), De Witt (24 + 3H), Frio (32 + 0H), Goliad (18 + 1H), Karnes (68 + 6H), Medina (23 + 0H), Uvalde (4 + 0H), and Wilson (8 + 1H) counties. 208 flares plus 12 hygroscopic flares were burned within 15 clouds. This is the 5th day for seeding in June and the 11th day for seeding during the season.