SOUTH TEXAS WEATHER MODIFICATION ASSOCIATION – PLEASANTON, TEXAS

SEEDING REPORT – July 20, 2024

SYNOPTIC/MESOSCALE CONDITIONS:
Isolated to scattered showers and thunderstorms are ongoing and are expected to continue primarily across the coastal plains, parts of the I-35 corridor including the San Antonio area. This activity is associated with a stationary boundary extending from the southern Edwards Plateau to the coastal plains. Outflow boundaries moving in various directions have intensified the shower and thunderstorm activity.

LIFTING MECHANISM:

THERMODYNAMIC INDICES -12Z KDRT SOUNDING

Freezing Level (m)	5007	-15°C Height (m)	7700
Precipitable Water (inches)	1.62	CAPE (J/Kg)	399
LCL	1212	CINH (J/Kg)	92
CCL (m)	2122	LI(°C)	-0.99
DRT ICA	-5.68	PB	1
Cloud Base (meters)	2012	CRP ICA	-
Warm Cloud Depth (meters)	2995	Cloud Base Temp (°C)	22.2

DISCUSSION:
Pilot in air at 22Z and headed eastward towards McMullen County. Upon arrival one cloud was seeded. Additional showers and thunderstorms were located in Bee County so the pilot headed there. Upon arrival one large cloud was seeded with glaciogenic flares. Pilot then RTB.

WATCHES/WARNINGS:NONE

SEEDED CELL ID'S:

544	572										

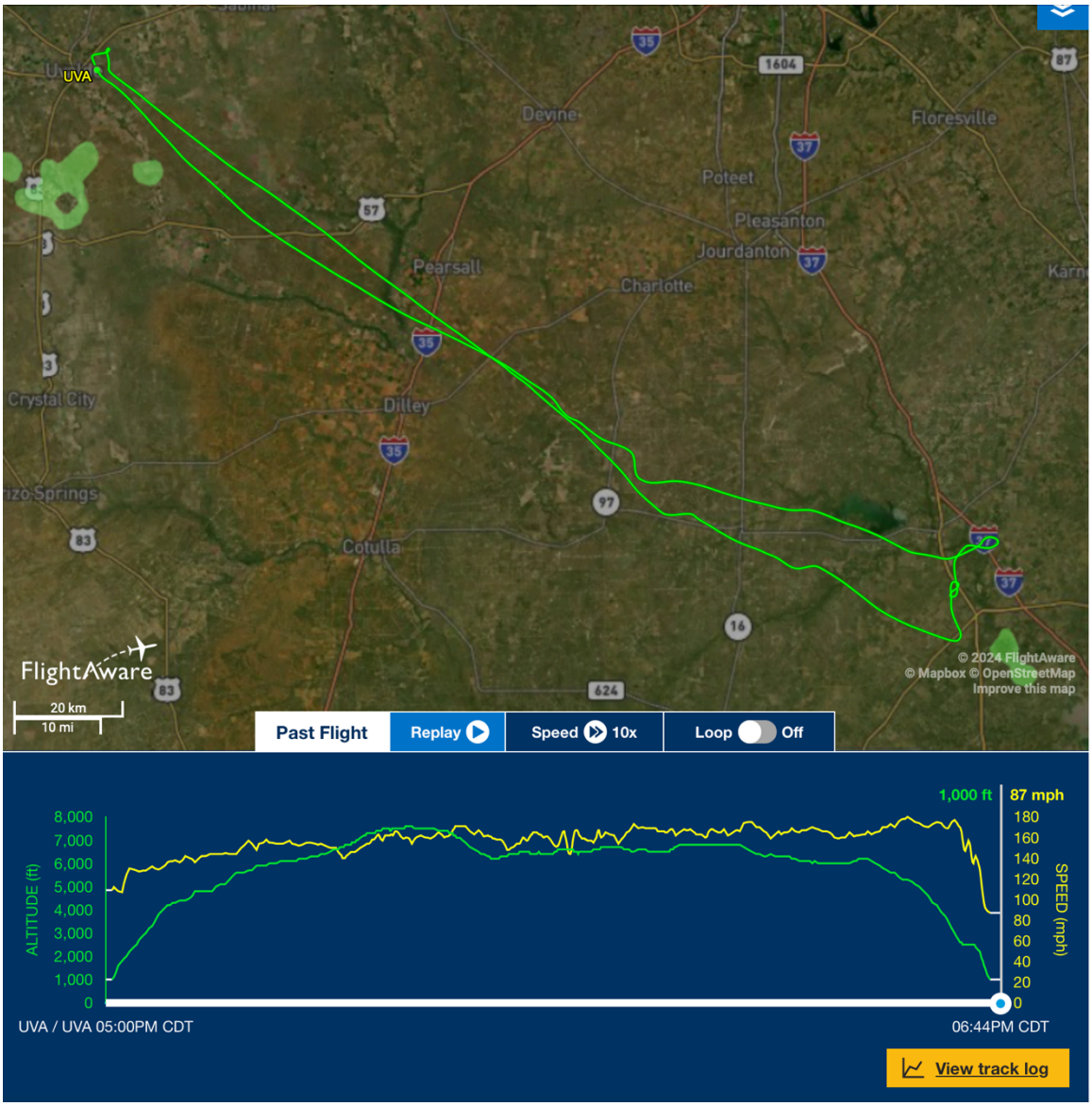
FLIGHT INFORMATION:

TIME (Z)	Plane	Flare Location	County
2145	47P	In Air	
2228	47P	110x60	McMullen
2252	47P	104x113	Bee
2355	47P	RTB	

Seeding operations were conducted over McMullen (2G+0H) and Bee (3G+0H) Counties. 5 glaciogenic flares and 0 hygroscopic flares were burned within 2 clouds. This is the 9th day for seeding in July and the 16th day for seeding during the season. EAA Flares, Glaciogenic, Hygro, AgI.

Note – changes to this season reporting – 1 hygroscopic flare = 500g, not 1kg

Flight #1


UVA
Devine
Floresville
Poteet
Pleasanton
Jourdanton
Pearsall
Charlotte
Crystal City
Dilley
Cotulla
1604
35
37
57
97
83
16
624
FlightAware
20 km
10 mi
© 2024 FlightAware
© Mapbox © OpenStreetMap
Improve this map
Past Flight
Replay
Speed 10x
Loop Off
1,000 ft
87 mph
ALTITUDE (ft)
SPEED (mph)
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
180
160
140
120
100
80
60
40
20
0
UVA / UVA 05:00PM CDT
06:44PM CDT
View track log