

## Highlights

- Weather Report - "Sunny" weather to continue
- TexAQS 2000 Airforce DC-3 & G-1 Fly Today
- Electra Loses its Cool Again - Will Fly Tomorrow

## Inside

- Today's Meetings - Aerosol, LaPorte, VOC Intercomp.
- Logistics News - Water, T-shirts & First Aid
- Thought for the Day - A Texas Love Story

# The Daily Plan-It

*The TexAQS 2000  
Field Study Newsletter  
Issue 17  
August 31, 2000*



## The (Hazy) Blob Sighted Over and Around Houston!

### CapRock Building Locks Down

We will need to use our key-codes to gain access to the CapRock building and keys to our office suite from 6:00 PM Friday (September 1<sup>st</sup>) through 7:00 AM Tuesday (September 5<sup>th</sup>).

### Weather Wonders

Karl Schulze provided the weather forecast today. Today begins with low background ozone levels - single digits everywhere - but, as we learned yesterday, that doesn't necessarily mean that we won't have a good ozone day.

Yesterday's maximum surface levels of ozone occurred to the east and southeast of Houston - at LaPorte (199 ppbv) at 3 to 4 PM CDT, Deer Park (175 ppbv) at the same time, and at Texas City (173 ppbv) from 1 to 2 PM CDT. In all, seven Houston area monitoring sites recorded preliminary hourly levels in excess of 120 ppbv.

The center of the high pressure system remains just to our southwest over the Gulf and tomorrow's preliminary forecast suggests that things should be much

the same as today with west to northwesterly winds in the morning followed by the establishment of a southerly sea/bay breeze at mid-day. Skies should remain mostly clear with a low probability of precipitation through the weekend. With cutoff lows to our east and west, we have achieved what looks to be a classic omega block situation. Nothing in our immediate future suggests that it will be moving anytime soon.

### Electra N308D

Yesterday, the Electra took off at 10:30 AM and returned at 12:30 PM - focusing on the characterization of chemistry and transport over Galveston Bay and downtown

Houston. After refueling at Southwest Services, the Electra took off again about 1:00 PM to do its standard north-to-south stack from the coast to north of Houston. During the second part of the flight the air conditioning tripped off and the inside temperatures soon rose to 104° F and more, as Gerd - master of the understatement - said, "...I had considerable difficulty convincing the crew to fly within the mixed layer." Nevertheless, Gerd did persevere to a degree and did convince them to run several mixed layer transects between "cooling off" periods at 17,000 feet.

Today's planned intercomparison was scrubbed but has been rescheduled for tomorrow at 10:00 AM. Following the intercomparison, the Electra will fly an east-to-west stack with north-south oriented legs beginning west of Houston and proceeding east over and across downtown, the ship channel and towards Beaumont/Port Arthur tracking the east-northeastward moving urban plume.

The Electra is planning a down day Saturday.



**Twin Otter - Dawn Patrol**

## G-1 N701BN

Today, the G-1 will conduct a mid-afternoon mixing-layer flight focusing on the area east of Houston and over the ship channel. The G-1 will take off at 2:30 PM.

The G-1, in concert with the Electra, is planning an intercomparison flight tomorrow at 10:00 AM. The G-1 will return to Ellington immediately following the intercomparison and is planning a hard down day for Saturday.

## DC-3 N56KS

It is again a splendid day for the DC-3/Lidar crew and a full flight is planned. A 12:00 PM takeoff is anticipated for the DC-3 with the flight lasting for 4 to 6 hours while crossing and criss-crossing the east Houston metro area and extending down into the Gulf.

We are not privy to the DC-3/Lidar plans for tomorrow at this time but, if the clouds are few, it is possible that they will fly. As of this morning, the DC-3/Lidar crew had 22 more hours of flight time.

## Twin Otter N153BU

The Twin Otter and crew are not flying today but are planning a pair of flights tomorrow focusing on Galveston Bay and the ship channel with side trips to Texas City.

Thanks to the Twin Otter for the wonderful pictures that grace today's Daily Plan-It.



Downtown Houston from Twin Otter (8/29/00)

## Electra/G1 Intercomparison

The Electra and G-1 are planning an intercomparison flight tomorrow - Friday, September 1<sup>st</sup>. The flight crews of these aircraft are invited to meet at the Friday 7:30 PM met briefing at the CapRock Building to compare notes and to make specific plans. As I understand it at this time, attendance is desirable but not mandatory.

Following the intercomparison, the Electra will conduct a research flight while the G-1 will return to Ellington for a head start on the Labor Day weekend.



VIPs All - L to R, Jim Thomas, Dave Allen, Jim Meagher, Fred Fehsenfeld, Tom Vanek, and Andrew Larkin

## Upcoming Events

### Daily Meteorological and Aircraft Planning

Meetings - 7:30 AM and 1:00 PM (Ellington CapRock Building, Conference Room)

### Aerosol Group Meeting

- Tuesday, September 5th, 2:00 PM (Stay Tuned -Location to be Announced)

### LaPorte Team Meeting

- Tuesday, September 5th, 3:00 PM (Stay Tuned -Location to be Announced)

-Location to be Announced)

**Labor Day Holiday** - Monday, September 4, 2000. Business as usual for TexAQS 2000.

## Thought for the Day

Irving TX (UPI) - Paul Crouch and Robin Corollo are expecting a baby, so they want to get married.

But in this Texas love story, the father of the 17-year-old-would-be-bride won't let her tie the knot. So she filed suit last week, asking to waive the state parental consent statute required for minors.

Miss Corollo says her father refuses permission because her 18-year-old boyfriend comes from a different background than she.

"We're more or less from two different classes," said Miss Corollo, "I'm not really a redneck. I lived in semi-upper middle-class and I guess Paul lived in lower middle-class. I guess that's one of the main deals."

But her father, Sam, says his objection is one of age, nothing else.

Although the two could

marry when Miss Corollo becomes 18, Miss Corollo would like to be Mrs. Crouch by the time the baby is born.

Crouch's mother has given her full blessing to the union. She said Miss Corollo's father, an aerospace engineer, "doesn't like my son because he's a goat roper. He wears western clothes all the time and dips snuff. He's just a normal teen-age goat roper."

### Trooper of the Day

Stephen Donnelly strikes a blow for freedom of expression. First it was "Close Cover Before Striking," now it's a "Remove Before Flight." There's only so much one man can remember. Besides, it would have made a pretty streamer.



**Trooper Stephen Donnelly  
admires his handiwork.**

### Logistics Support

In addition to publishing the Daily Plan-It, we aren't sitting on our hands all the time. Significant and notable accomplishments this week include the addition of a water cooler, first aid kit (which should arrive tomorrow AM), and the ordering of the **Study T-Shirts** which should be available on the 12<sup>th</sup> of September. Here's the low-down on obtaining T-shirts.

1. You **must** present yourself (after September 12<sup>th</sup>) at the CapRock Office Building during regular business hours and indicate your intent by speaking with Bill Parkhurst or Cathy Burgdorf
2. You must enter/validate your name and address particulars onto the TexAQS 2000 Study Participants list.

3. Get Shirt. Sizes are from M (a few) through XXL (a few). Six special order XXXL are also available.

As of this writing, Jim Price and Ellis Cowling have yet to figure out precisely how to pay for these shirts so it is conceivable that each of us may have the opportunity to "dig deep" and provide a donation of \$10 per shirt to cover the costs.

I **can** say that the shirts should be a thing of beauty. Not your average white T-shirt, but rather stonewashed blue Hanes Beefy-Ts with TexAQS logos fore and aft. A true Collector's Edition for this history-making study.