

## Highlights

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# The Daily Plan-it

*The TexAQS 2000  
Field Study Newsletter  
Issue 14  
August 28, 2000*



## Wonder Unto Wonder, Existence Opens! – Lao Tzu

### August 25<sup>th</sup> Aircraft Data

The truncated intercomparison - the early breakoff of the G-1 - allowed the remainder of the TexAQS Houston airforce to make the best of their remaining flight time by taking a long, hard look at the high ozone conditions in the boundary layer over downtown and the western part of the ship channel. All of the aircraft encountered ozone levels in excess of 200 ppbv and these high levels were mirrored at the surface stations.

Three Twin Otter data plots (ozone, green particle scatter, and sulfur dioxide) collected along the I10 corridor are included on the last page of the Plan-It for your perusal and edification.

### Telephone Numbers

The RV's on the ramp just outside the Southwest Services Hangar now have telephones. You can reach them at:

- Baylor RV - 281 922-6533
- DOE RV - 281 922-7698

### Weather Wonders

Karl Schulze provided the weather forecast today.

The Louisiana high pressure system over is working its way west where it should produce favorable pollution conditions for tomorrow and Wednesday.

Macroscale circulation aloft continues light and from the southeast although over the next several days it should be switching to the west northwest by night and - given the weak pressure gradient - south southeast during the day.

The 10 to 15% chance of showers for today should be on the decline

### Electra N308D

Sunday, the Electra conducted a sea breeze/urban area characterization flight from the Gulf through the north side of Houston. The maximum ozone level encountered was 110 ppbv just north of Intercontinental Airport at about 3:00 PM

Today a similar flight pattern is planned with a standard "stack" pattern beginning at the bay and continuing across the Houston metro area. Today's orientation, as well, is north to south. The Electra flight is scheduled to begin at 12:30 PM and should last about 5 hours.

The Electra is not planning a flight tomorrow but will be back in harness on Wednesday, August 30th.

### G-1 N701BN

The G-1 was originally planning a day-into-night flight this evening but that has been scrapped in favor of two flights tomorrow and two flights on Wednesday when conditions should be more conducive to high ozone production.



**Baylor Twin Otter Crew—Max Shauck, Steve Stanford,  
Sergio Alvarez, Jimmy Flynn, Matt Tilghman,  
Clint Owens, & Guelmy Garcia (Kneeling)**

through Wednesday as we will remain under the influence of high pressure. Karl suggests that conditions will change on Thursday with a stronger northwesterly flow and an opportunity to get some "dirtier, continental air."

## DC-3 N56KS

The Lidar crew worked yesterday to repair the data link to the GPS on the DC-3. The DC-3 is planning to fly both today and tomorrow. It's reasonably clear today and should be clearer tomorrow as the high pressure system continues to blanket the Houston area.

## Twin Otter N153BU

Today, the Twin Otter will conduct two or three (9:30 AM, 12:30 PM, and 3:00 PM) transition model validation flights consisting of multiple legs and spirals over Galveston Bay, La Porte, and Ellington.

Tomorrow, the Twin Otter will conduct an early morning (7:00 AM takeoff) land breeze characterization flight followed at noon by a sea breeze & source characterization flight.

## Upcoming Events

**Don't forget to park in the Employee's/Deliveries Lot.**

**TNRCC/EPA Region 6 Data Analysis Meeting** Tuesday, August 29<sup>th</sup> - 10:00 AM to 4:00 PM (Ellington, CapRock Conference Room)

**Aerosol Group Meeting** - Thursday, August 31<sup>st</sup>, 2:00 PM (Ellington, CapRock Conference Room)

**LaPorte Team Meeting** - Thursday, August 31<sup>st</sup>, 3:00 PM (Ellington, CapRock Conference Room)

**VIP Day** - Wednesday, August 30<sup>th</sup> (Ellington, Southwest Services)

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

## Trooper of the Day

Three cheers for Donna Sueper, the recipient of the TOD award for

Monday, August 28, 2000. Rising above and beyond the call of the pedestrian and ordinary, Donna met yesterday's returning Electra flight with a cooler full of cold and refreshing non-alcoholic beverages. There is no doubt a special place in field study heaven for such selflessness.



**"Sueper Trooper"**

## Restaurant Review - Oriental Gourmet

Ken Olszyna and I ate at the Oriental Gourmet on El Camino Real - just up from the TownePlace Suites on Bay Area Blvd. Its sole virtues are a smiling and friendly staff and proximity to the Motel. It's your standard "all you can eat" kind of Chinese restaurant. The emphasis is strictly on quantity - not quality.

Everyone gets the buffet and I had the distinct impression that if anyone asked for a menu, the wait staff would smile and leave quietly. I must admit that they did have some interesting combinations, however, with such noteworthy entrees as "Peng-Peng Chicken" which was essentially cooked chicken chunks, raw onions, cilantro, and jalapeno peppers, and, in deference to their global neighbors "Japanese Chicken" looked a lot like Peng-Peng Chicken without the

jalapeno peppers and cilantro - although it was liberally doused in teriyaki sauce to make up for it.

Not being boat rockers, Oz and I had the buffet. I liked most of what I had although it pretty much tasted the same with only subtle changes in texture. Oz didn't like the "Salt Baked Shrimp," because he discovered - much to his dismay - that the shrimp had the shells on them. After crunching through several mouthfuls and alternately looking startled and dismayed, he finally abandoned all hope and moved on to that old standby "green pepper steak." Evidently they didn't leave the hide on the steak and Oz seemed much happier.

Also, I must admit, that I haven't seen so many large Houstonians in one place before. I - never being mistaken for being svelte - felt skinny in this crowd. One out of four stars for convenience and smiling wait-staff. ★

## Thoughts for the Day

"We must be the change we hope to see."

"An eye for an eye only makes the whole world blind."

-Mohandas K. Gandhi

"The best executive is one who has sense enough to pick good people to do what he wants done, and self-restraint enough to keep from meddling with them while they do it."

-Theodore Roosevelt

"The important thing in science is not so much to obtain new facts as to discover new ways of thinking about them."

Sir William Bragg

## Baylor Aircraft - Ozone, Green Particle Scatter, & Sulfur Dioxide Flight 140, August 25, 2000 Preliminary Data

