

## Highlights

- Weather Report - Variations on same theme
- Lone Eagle - Indefatigable Twin Otter Flies to Beaumont
- Otter Data - Ozone and Carbon Monoxide from Yesterday

## Inside

- Upcoming Events
- Trooper of the Day - Dennis Nicks
- Thoughts for the Day

# The Daily Plan-It

The TexAQs 2000  
Field Study Newsletter  
Issue 21  
September 4, 2000



## “Sunny” - Hot & Dry goes to Hot & Humid Midweek

### Weather Ways & Means

Karl Schulze and Dick McNider provided today's weather forecast. Although the heat continues seemingly unabated, background ozone levels are rather low today with single digits everywhere.

Yesterday's maximum surface levels of hourly ozone occurred to the east and southeast of downtown Houston - at East Baytown (127 ppbv) and West Baytown (119 ppbv) from 4 to 5 PM and at LaPorte (114 ppbv) from 3 to 4 PM. Just the East Baytown monitoring site recorded preliminary hourly levels in excess of 120 ppbv.

High pressure continues to hang on to our northwest but the slow encroachment of low pressure to our east has shifted our winds to the east northeast today and tomorrow. The dewpoints through the surface and mid levels remain low and so do the probabilities of precipitation. Higher dewpoints are expected towards the middle part of this week and will be attended with an increased chance of

precipitation. So, we will go from record setting dry heat to more seasonal heat and humidity. Winds should clock over the next several days from the north-northeast to the east and eventually to the south-southeast.

across and southeast (downwind) of these and several other power plants.

### G-1 N701BN

The G-1 will not fly today or tomorrow but will be available on Wednesday.

The G-1 was up and down yesterday but did not collect any data. The planned intercomparison with the Twin Otter will be rescheduled.

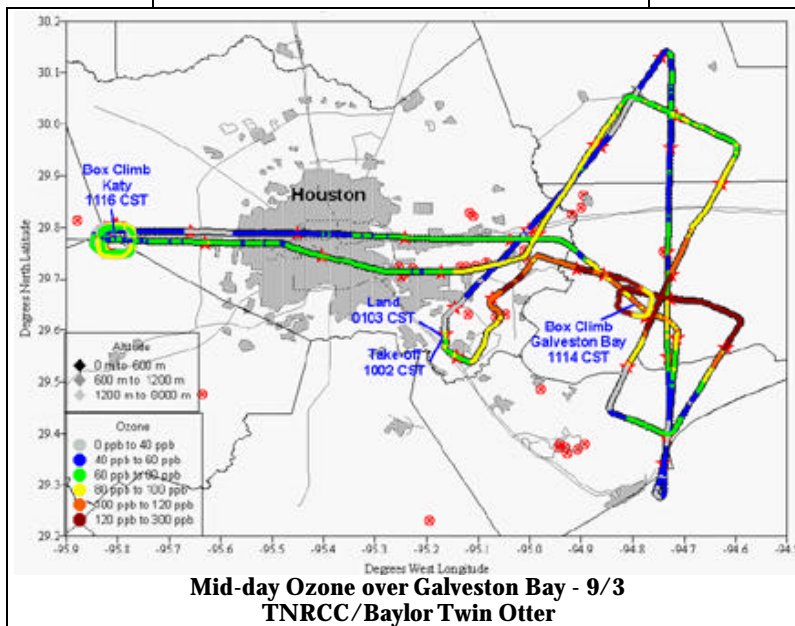
### DC-3 N56KS

Yesterday, the DC-3 conducted a research flight over and to the east of Houston lasting from 5 to 6 hours. According to Christoph Senff, they are now over their flight hour budget by 1.5 hours, so it's my

guess that they have a plan in the works to purchase some more flight time. Other than that, the DC-3/Lidar crew are, collectively, happy as clams and eagerly processing their data.

### Twin Otter N153BU

Some of the Twin Otter's wares from yesterday's flights are displayed on the figures in today's PlanIt. They are not flying tomorrow but did fly



### Electra N308D

The Electra is not flying today or tomorrow but had a very interesting and successful flight yesterday over east Texas. They took off at 11 AM for a "plume and isoprene chemistry" flight following a north to south stack beginning just north (upwind) of the Monticello and Welsh power plants and proceeding with parallel transects

morning and afternoon urban characterization flights today over Beaumont/Port Arthur, Texas, refueling at Jefferson County Airport.

**Upcoming Events**

**Daily Meteorological and Aircraft Planning Meetings** - 7:30 AM and 1:00 PM (Ellington CapRock Building, Conference Room). **Note:** The next meeting is scheduled for 1:00 PM tomorrow (Tuesday, September 5<sup>th</sup>).

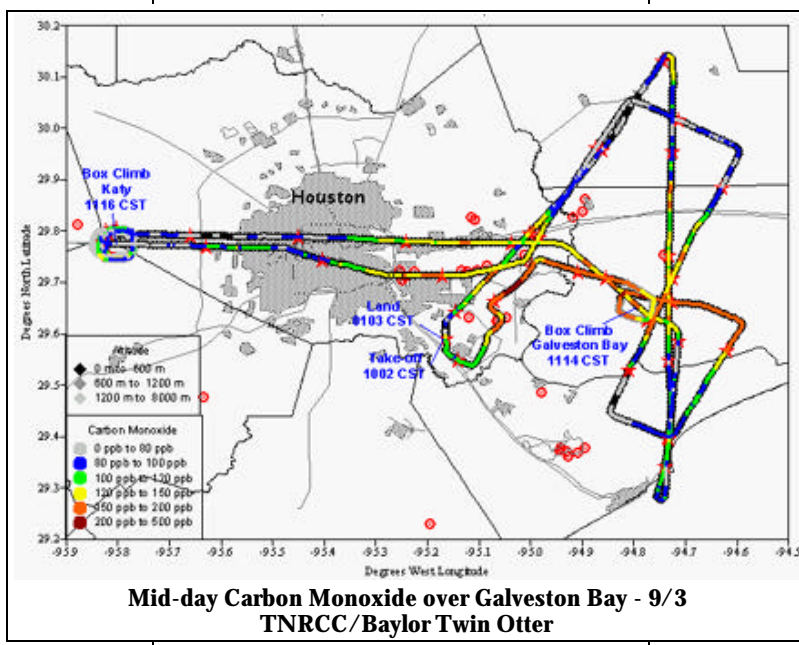
- Aerosol Group Meeting** - Tuesday, September 5<sup>th</sup>, 2:00 PM (Stay Tuned - Location to be Announced)
- LaPorte Team Meeting** - Wednesday, September 6<sup>th</sup>, 3:00 PM (Stay Tuned - Location to be Announced)

**Participants List**

A hard copy of the **Participants List** is available on Bill Parkhurst's desk in the CapRock Building. Please check it out for accuracy when you pass by.

**Thoughts for the Day**

"This land is your land. This land is my land. From California to the New



"Nothing much to this science stuff, is there?" Dennis Nicks appears to be cool, calm and collected on yesterday's Electra flight. "In this picture, I was obviously visualizing highly complex relationships among and between nitrogen species. It's important to develop one's visualization capabilities and, I must say, in all humility, that I've raised it to a high art form."

York Island. From the Redwood forests to the Gulf stream waters. This land was made for you and me."

- Woody Guthrie
- "Science should be of interest to all of us. It represents the triumph of man over nature. Man wrings secrets from nature in spite of her bitter opposition."
- Agatha Christie
- "Sir Francis Drake circumcised the world with a 100 foot clipper and Queen Elizabeth's navy defeated the Spanish Armadillo."
- Student's Answer to History Question

**Trooper of the Day**

