

Highlights

- Weather Report - Northeast Aloft
- NARSTO Request for Articles
- TexAQS Airforce All Up Tomorrow

Inside

- Marsh Fires Along the Coast
- Cool Water - All day we faced the burning waste...
- Thoughts for the Day

The Daily Plan-It

*The TexAQS 2000
Field Study Newsletter
Issue 22
September 5, 2000*



Chance of Precipitation Increases Through Week

Weather Riddles

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

Given yesterday's northeasterly flow, maximum surface levels of hourly ozone occurred to the south of downtown Houston - at Galveston airport (145 ppbv) and Texas City (125 ppbv) from noon to 1 PM. These were the only monitoring sites recording 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 are on the rise, and so are our probabilities of precipitation. The higher dewpoints are attended with increasing chances of precipitation as the week goes on. Several models indicate wide scale precipitation chances

beginning on Thursday.

Winds should continue to clock over the next several days from the north-northeast to the east and eventually to the south-southeast while bringing in ever more humidity.

NARSTO NEWS -- Request for TexAQS y2k Science Articles

A request from Jake Hales of NARSTO.

The NARSTO News is interested in publishing a series of short articles summarizing early scientific results of the TexAQS 2000 campaign. The current newsletter edition (viewable on the NARSTO Web site,

<http://www.cgenv.com/Narsto>)

features an overview of TexAQS 2000. This is a highly qualitative description, however; and in the next issue we hope to include some more "meaty" articles describing early scientific results of the effort.

We'd like to encourage everyone who's associated with TexAQS 2000 to consider submitting short articles of this type, which essentially preview "first results" of your individual scientific efforts. We can handle equations and (electronic) graphics in the newsletter, although contributors should note that the printed version is produced in grayscale, not color.

We're going to shoot for a late December deadline for the next issue. Please send your contributions to the NARSTO Management Coordinator's office by e-mail to jake@cgenv.com.

Electra N308D

The Electra is not flying today but will fly tomorrow with a take off scheduled at 10:00 AM for a 5 to 6 hour Houston urban area characterization flight - likely a stack (a series of parallel, crosswind transects) proceeding downwind from the



Coastal Marsh Fire Between Houston and Port Arthur on 9/4
Courtesy of Twin Otter

northeast through the southwest. The Electra will also conduct a brief intercomparison with the NASA WB-57.

G-1 N701BN

The G-1 will not fly today but is doing an on-ground instrument intercomparison with the Twin Otter. The intercomparison species include ozone, carbon monoxide, sulfur dioxide, and aerosol sulfate.

Tomorrow, the G-1 will conduct a 3-hour urban characterization flight beginning at 2:00 PM

DC-3 N56KS

The DC-3 did not fly yesterday or today. However, it now appears that the DC-3/Lidar folks has secured funding for three more Houston area research flights. This is indeed good news for TexAQS 2000 as the DC-3/Lidar folks have been leading a charmed existence while collecting copious amounts of valuable air quality research data.

The DC-3 is planning a 5 to 6 hour mid-day urban characterization flight tomorrow.

Twin Otter N153BU

The Twin Otter - just like the energizer bunny - just keeps on flying & flying. Yesterday's flight took it over the Beaumont/Port Arthur area. On the way back to Ellington they caught sight of the coastal marsh fires.

The Twin Otter did not fly today but is doing an on-ground instrument intercomparison with the G-1. The intercomparison species include ozone, carbon monoxide, sulfur dioxide, and aerosol sulfate.

Tomorrow, the Twin Otter will conduct a 2.5-hour urban characterization flight beginning at 8:00 AM to complement the Electra and G-1 flights later in the day.

Upcoming Events

Daily Meteorological and Aircraft Planning Meetings - 7:30 AM and 1:00 PM (Ellington CapRock Building, Conference Room).

Aerosol Group Meeting - To be rescheduled. Dave Allen will be back in Houston on Thursday so it's unlikely to happen before then. Keep an eye on the Daily Plan-It for late breaking news.

LaPorte Team Meeting - It will probably be tomorrow (Wednesday, September 6th, 3:00 PM). Eric Williams says that he will inform everybody tomorrow morning.

Participants List

Several of you have been by to check out the list and to make corrections and additions. I personally want to thank Vic Morris for keeping tabs on the folks associated with the G-1 and the Williams Tower.

Cool Water & Logistical Tales

The CapRock water cooler has proven so popular that we'll run out of water before our next shipment on Thursday. We took pity on some waterless LaPorte folks and gave them one of the CapRock 5-gallon containers. Just make sure we get the container back, guys.

The Pitney -Bowes District Service Manager has given me his personal assurance that the copier will be back in business tomorrow. Sorry for the inconvenience.

The TexAQS 2000 T-Shirts should be here on Tuesday, September 12th. Stay tuned for further developments.

Thoughts for the Day

"One must try to make time for everything, Watson."

-Sir Arthur Conan Doyle

Some catchy thoughts from actual Federal Employee service reviews.

- "Works well only when under constant supervision and cornered like a rat in a trap."
- "His associates would follow him anywhere, but only out of morbid curiosity."
- "Has two brains: one is lost and the other is out looking for it."
- "He's so dense, light bends around him."
- "Wheel is turning, but the hamster is dead."
- "This employee is depriving a village somewhere of an idiot."