

## Highlights

- Weather Report - Change in the Wind
- TexAQS 2000 Airforce Airborne Today
- Twin Otter to Fly Tomorrow

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# The Daily Plan-It

*The TexAQS 2000  
Field Study Newsletter  
Issue 20  
September 3, 2000*



## "Sunny" - Houston Sets Record Temperatures

### Weather Ways & Means

Stephanie Naumann and Dick McNider - Dick, fresh from a gig in Huntsville - provided the weather forecast today. Although the heat continues seemingly unabated, background ozone levels are rather low today with Galveston showing only 10 ppbv from 6 to 7 AM. Single digits everywhere else.

Yesterday's maximum surface levels of hourly ozone occurred to the east and southeast of downtown Houston - at LaPorte (121 ppbv) from 2 to 3 PM, West Baytown (119 ppbv) from 3 to 4 PM and at Clinton (106 ppbv) from 3 to 4 PM. No Houston area monitoring sites recorded preliminary hourly levels in excess of 120 ppbv.

High pressure continues to hang on to our northwest. Strong westerly surface winds this morning will delay the establishment of a southerly sea/bay breeze until 3 to 4 this afternoon. Skies should remain clear. Winds aloft are currently light and from the northeast. It is anticipated that these winds will strengthen over the next several days bringing the possibility of advecting dirty/hazy air from the central U.S.

Today's afternoon ozone high goes to East Baytown which recorded an

hourly average of 127 ppbv from 4 to 5 PM.

### Electra N308D

The Electra will take off at 11 AM today for a "plume and isoprene chemistry" flight across east Texas following a north to south stack



**Fred and Lenny wish you all  
a Safe & Happy Labor Day**

beginning just north (upwind) of the Mt. Pleasant power plant and proceeding with parallel transects

across and south (downwind) of the Lake Martin power plant

The Electra is planning a down day tomorrow and Tuesday to make any necessary instrument repairs or adjustments for the "final push" towards the end of the study. As it now stands, the Electra will have about 16 flight hours left after today's mission although there is movement afoot to obtain additional flight hours.

### G-1 N701BN

The G-1 is taking off at 11 AM to conduct an intercomparison flight with the Twin Otter and DC-3. The G-1 will conduct a research flight across the Houston & ship channel following the intercomparison.

The G-1 will not fly tomorrow but will be available on Tuesday.

### DC-3 N56KS

The DC-3 will take off at 11 AM today for an intercomparison with the G-1 and the Twin Otter. Following this, the DC-3 will conduct a research flight over and to the east of Houston lasting from 4 to 6 hours.

### Twin Otter N153BU

The Twin Otter will conduct an intercomparison flight with the G-1 and the DC-3 today and is planning a

“Beaumont plume characterization flight” tomorrow in honor of Labor Day.

**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 (Monday, September 4<sup>th</sup>).

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

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

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

**Participants List**

Praise be to Cathy Burgdorf who is putting together our official “TexAQS 2000 Participants List.” Stop by the next time your in the CapRock to make sure that your particulars are correctly listed. Remember, no info, no shirt!

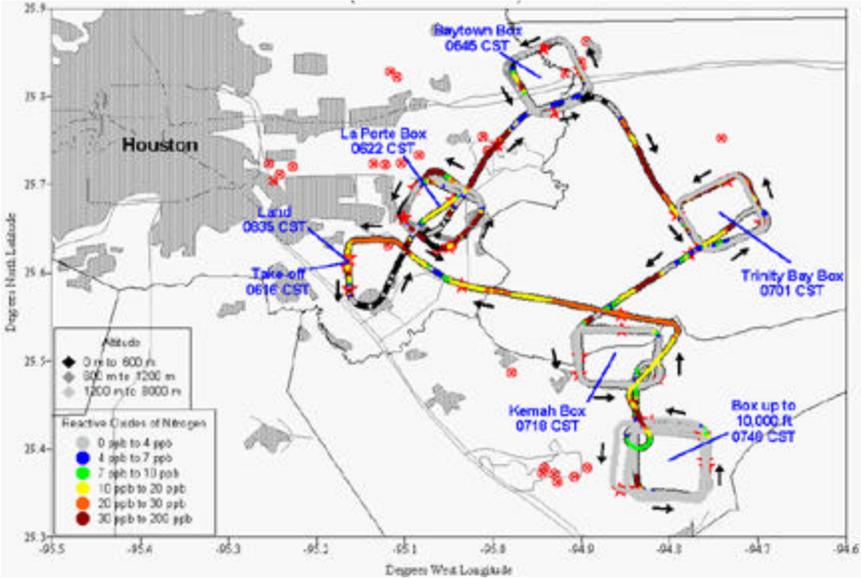
**Thought for the Day**

“Labor Day differs in every essential way from the other holidays of the year in any country,” said Samuel Gompers, founder and longtime president of the American Federation of Labor. “All other holidays are in a more or less degree connected with conflicts and battles of man's prowess over man, of strife and discord for greed and power, of glories achieved by one nation over another. Labor Day...is devoted to no man, living or dead, to no sect, race, or nation.”

Labor Day, the first Monday in September, is a creation of the labor movement and is dedicated to the social and economic achievements of American workers. It constitutes a yearly national tribute to the contributions workers have made to the strength, prosperity and well-being of our country.

Through the years the nation gave increasing emphasis to Labor Day. The first governmental recognition came through municipal ordinances passed during 1885 and 1886. From them developed the movement to secure

state legislation. The first state bill was introduced into the New York legislature, but the first to become law was passed by Oregon on February 21, 1887. During the year four more states – Colorado, Massachusetts, New Jersey, and New York – created the Labor Day holiday by legislative enactment. By the end of the decade Connecticut, Nebraska, and Pennsylvania had followed suit and by 1894, 23 other states had adopted the holiday in honor of workers. On June 28 of that year, Congress passed an act making the first Monday in September of each year a legal holiday in the District of Columbia and the territories.



Morning NO<sub>x</sub> Concentrations - Twin Otter