

U.S. Dept. of Commerce / NOAA / Aircraft Operations Center

AOCWF-1

Flt ID: 060911I	From: KEFD	To: KEFD
Flt No: 06-	Blk In: 2237	ATA: 2232Z
ETD: 16Z	Blk Out: 1555Z	ATD: 1605Z
ETE: 6+30	Blk Time: 6+42 (6.7)	Flt Time: 6+27 (6.5)
Sponsor Org: NOAA/ERSL	Program: TEXAQS	Purpose: JF2 - OIL PLATFORMS

AOC Personnel

AC: CHOY, B	Sys Eng: DEFEO, G
CP: NEWMAN, C	Data Sys: LYNCH, T
Nav: BRAKOB, D	Radar:
FE: FLOYD, D	GPS/BT:
FD: FLAHERTY, P	Cld Phys:
Avionics:	

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
RYERSON, Tom		
FLOCKE, Frank		
BAYNARD, TAUHSE		
BAHREINI, ROYA		
RICHTER, DIRK		
DEGOUW, JOOST		

Proposed/Actual Mission Remarks (Recco, Fixes, Storm, PENET, NHOP #)

RON BROWN 29-25.5
 -94 25.5
 TAF 1400 VCSH
 1700 VCTS
 Temo 20/24 TSRA
 FIREBIL ACTIVATED
 IN TERMINATED

PS2M BAD AT TAXI
 RA2M RA3M INOP AT T/O
 RA159 INOP
 CHANGE DEFAULT DYN P4
 P24M

RA159 BACK UP
 1746
 SWITCHED TO 10
 1753

SWITZHLING
 REASON JUNE 1 2011

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AOCWF2

Flt ID: 060911 I Time Off: 1605z Time On: 2232z

	A/C (Take Off)	Wx Station (Take Off)	A/C (Land)	Wx Station (Land)
Pressure	1017.8	A3000	1015.1	A2994

	Number	Data Disposition / Date / Quality
Flt Lvl Tapes		
Radar Tapes		
Cloud Physics Tapes		
Video Tapes		
AXBT		
AXCP		
AXCTD		
Dropsondes		

Video

	Forward	Left Side	Right Side	Down	Remarks
Time On					
Time Off					
Rate					

Remarks

0000KT @SM 28/27 ~~142~~ A3000

OIC SLIC

2845.9 9225.7

27

29-25,5 94-25,5 RB

EMERGENCY MESSAGE

TRANSMIT THE FOLLOWING MESSAGE TO ANY AGENCY ON THE AIR-GROUND FREQUENCY IN USE. IF UNABLE TO ESTABLISH COMMS, ATTEMPT CONTACT ON ANY OF THE FOLLOWING EMERGENCY FREQUENCIES:

UHF/VOICE VHF/VOICE MF/VOICE MF/CW
243.0 121.5 2182 KHZ 8364 KHZ 500 KHZ

MAYDAY, MAYDAY, MAYDAY

THIS IS NOAA _____, NOAA 43

- POSITION _____ N/S _____ E/W AT _____ Z

- HEADING _____ TRUE/MAG _____
- AT _____ KTS TRUE/INDICATED _____

- FLIGHT LEVEL OR ALTITUDE _____

- WE ARE A P-3 AIRCRAFT WITH _____ SOULS ON BOARD

- NATURE OF EMERGENCY _____

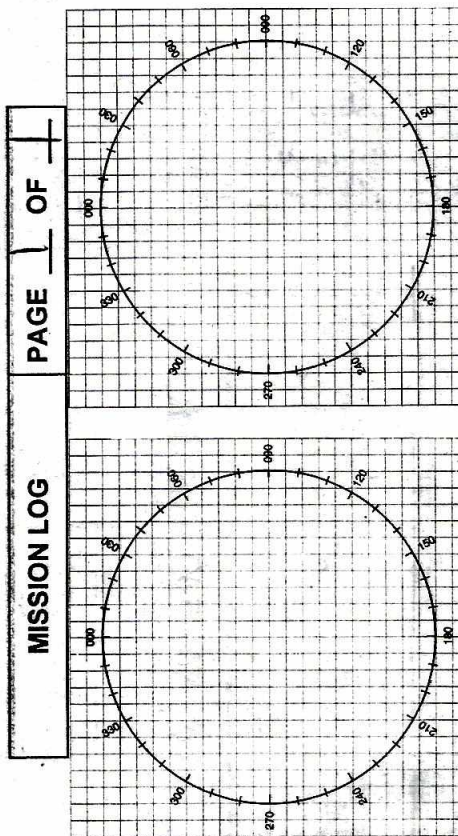
- ASSISTANCE DESIRED _____

- PILOT INTENTIONS _____

- WE HAVE _____ ENDURANCE REMAINING _____

POSITION REPORT

1. POSITION
2. TIME
3. ALTITUDE
4. NEXT POSITION
5. ETA
6. NEXT POSITION

[illegible][illegible]

060911I

1948

Time	Lat	Long	Trk	Hdg	Wind Dir	Wind Spd	T _a	T _d	Press. Alt.	Geo. Alt.	Sfc Press.	Sfc	Dyn. Press	Remarks
162115	2927	9429							300 FT					REN BROWN
162350	2924	9426							4900 FT					OVER R BROWN
162634	2923	9427							7800 FT					OVER R BROWN
162920	2926	9425							10000 FT					"
163645									157500 FT					LYING BROWN
165526	2839	9308	137	138	269	5.3	-1.3	-3.2	4732	4831	993.8	560.0	65	15,500 FT PA
170104									STARTING DESCENT FROM 15,400' TO 600'					
170625									STARTING DESCENT TO 600'					
171325									AT PT 2 @ 1000 FT					
171643	2945	9200							STARTING 2 → 3 LEG AT 600'					
172115									AT PT 3 CLIMBING + TURNING					
173435									STARTING PT3 → PT2 1500' LEG					
175009									END LEG					
175308									START PT2 - PT3 3000' LEG					
181000									DESCENDING TO 600', TO PT4					
181510									TURNING TO PT5					
181645									STARTING PT4 → PT5 LEG @ 600'					
183215									TURNING STARTING PT5 → PT4 LEG @ 1500'					
183423									START LEG					
185145									START PT4 → PT5 3000' LEG					
191350									AT 600' TOWARD PT6					
191700									AT 600' TOWARD PT7					
193349									START PT6 - PT8 1500' LEG					
194940									CLIMBING TO 3000', PT6 → PT7					
195312									START LEG					
200759									DESCENDING PT7 → PT2 @ 3000'					
203652									END LEG, TURNING, DOWN TO 1500' → PT7					
205613									END LEG, TURNING, DOWN TO 600' → PT2					
210450									TURN FOR LIGHTNING					
211204									END LEG - FERRY FOR FUEL - HOLD TO PT 2 @ 16,500'					
213626									DESCENDING TO 2000' ENROUTE TO PT 1 (R BROWN OLD POSITION)					
214500									BASIC OVER PT 1					
220000									WAITING FOR CLEARANCE - SPIRAL - UP TO 3000' TO PT 8					
220900									BACK TO 2000'					
221100									R TURN TO FOLLOW I-10					
223000									MISSED APPROACH AT LAFORETE					

Flight Plan for Monday 11 September 2006

OPTION 2

Oil Platforms in the Gulf of Mexico

Emission characterization, chemical processing

Default climb rates 1500 ft/min

Access to plane: 00 CDT

Preflight :

Pt. 0 : Ellington Airfield (29 36.5 N, 95 09.4 W)

Doors close: CDT

Takeoff: 11:00 CDT

Head to Pt. 1 (29 11 N, 94 33 W) at 2000 ft to meet Ronald H. Brown

Fly by RHB at low altitude (300 ft)

Spiral profile over RHB to 15 kft,

(76 km, 12min)

Head to Pt. 2 (27 45N, 92 00W), calibration on way to Pt.2 at 15 kft

The target region for the oil platform characterization may be adjusted according to cloud field

Arrive at Pt. 2 at 600 ft AGL, descend en route close to Pt. 2

(296 km, 22min)

Characterization of the emissions of multiple oil platforms in a 1 deg x 1 deg box
and the effect of these emissions on photochemistry:

Horizontal transects between Pt. 2 and Pt. 3 at 3 altitudes choose altitudes according to profile en route to Pt. 2
Default 600 ft, 1500 ft, and 3000 ft (3 altitudes in the "mixed layer")

Repeat pattern as described above between Pt. 4 and Pt. 5, Pt. 6 and Pt. 7, as well as Pt. 7 and Pt. 2

Head in direction of Pt. 1 and climb en route to 18 kft
Calibration en route to Pt. 1 at 18 kft

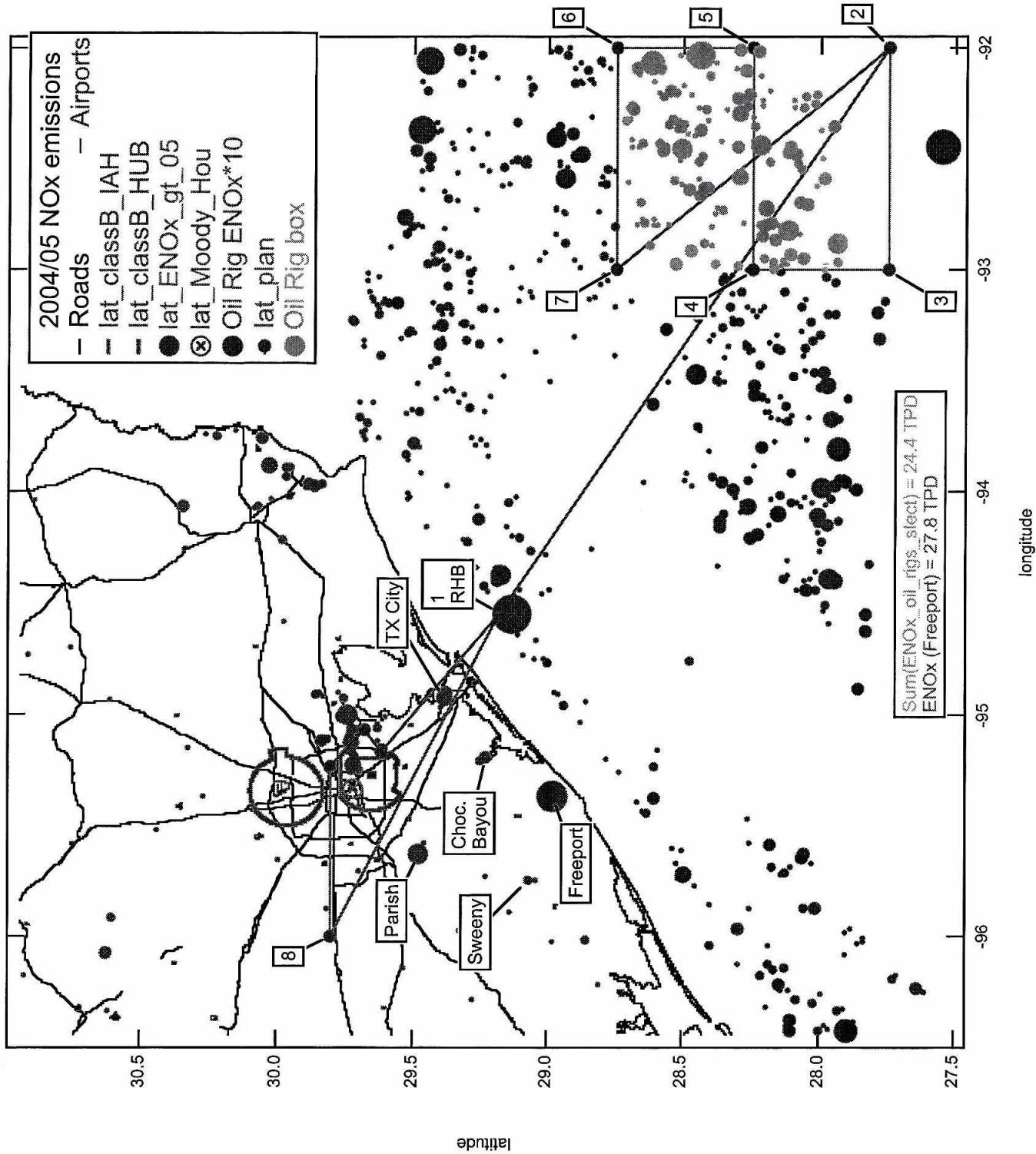
Arrive at Pt. 18 at 2 kft

Pt. 8 to Pt. 9 parallel to I10 across Houston

Include missed approach over La Porte airport Pt. 10 before return to Ellington (if time permits)

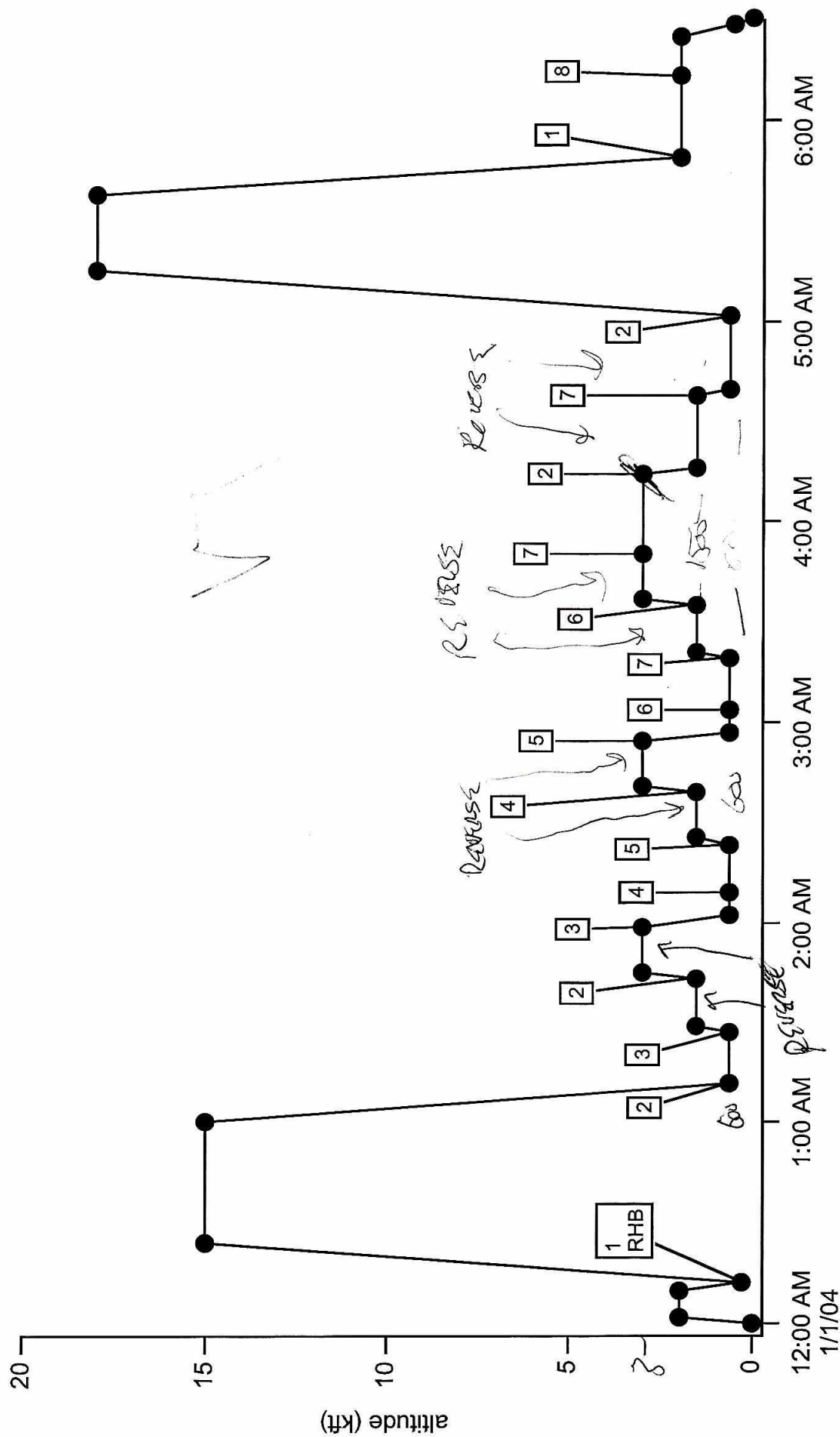
Return to Ellington Field
Flight time : ~ 6.5 hrs

2) Oil Platforms, 9/11/06



Pick location
of Points 2 - 7
according
to satellite
cloud field

2) Oil Platforms, 9/11/06



estimated time since take off (hr) assumes 202 knots gspd