

Processing required?: Yes

U.S. DOC / NMAO / NOAA / AOC

HD?: Y

hurricane penetrations

Flight ID: 10 02181 From:

CYTT

To:

0

Flight No: 10-019

In HH MM

2202

On_Hour

2148

Task Codes

ETD: 15 00

Out HH MM

1433

Off_Hour

1444
1433

ETE: 7+00

Block time:

7.0
7.5

Flight Time

7.1

Sponsor NBSDIS

Program:

OW2010

Purpose:

IWRAP

AOC FLIGHT CREW

Aircraft Commander: WIZIMONT

Co-Pilot: MARTIN

EBHARDT

Navigator: SLOAN

BISHOP

FE: DAM DARA

BAST

FD: Sears Ian

DAMIANO

Avionics: BOSKO

Data System: OKERER

AVAPS: OLNEY

System Engineer:

AA 1: HILL

AA 2: MILLER

Crew Chief:

Other AOC:

Participating Scientist / Visitor

guests

CHAM

SELENAL

DVORSKY

activity:

affiliation 1:

Remarks

Mission ID:

Storm Name:

TD2 SLOW TO DRY

0630L

U.S. DOC / NMAO / NOAA / AOC

Flight ID: 10

On_Hour:

Off_Hour:

A/C Takeoff press:

WX Station takeoff press:

A/C Land press:

WX Station Land Pres

Pressure

Data Source

Number

Data Disposition / Quality

Flight level
tapes:

Radar tapes:

cloud physics
tapes/cds:

video tapes:

Expendables

Charge To

good

bad

total

Sent

Messages

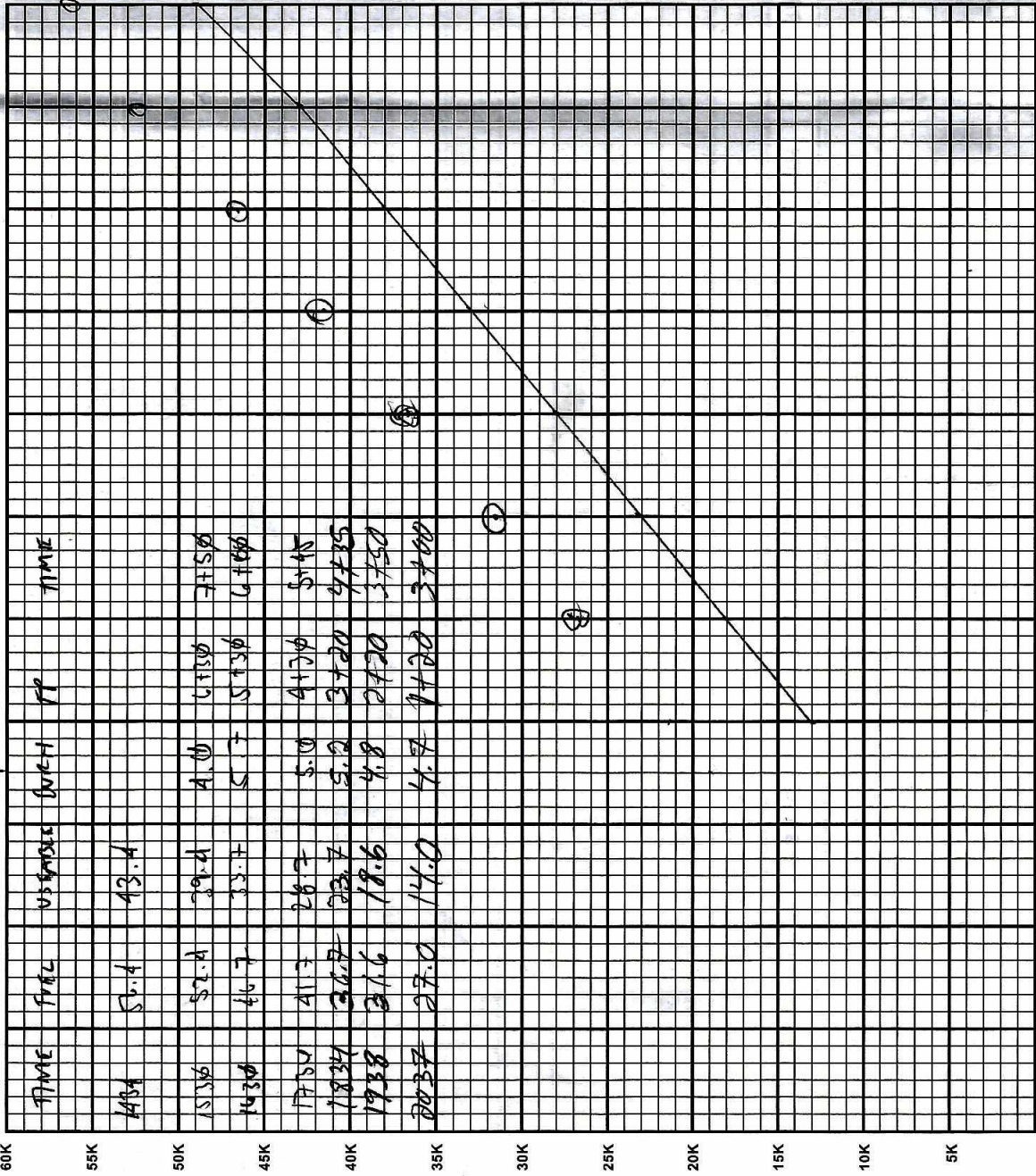
Remarks

155040	51*54.36'	-50*15.12'	31.7	124.1	2425.5	124.1	15.5	-6.7	-6.0	988.8	731.8	0.0	0.0	level
160309	52*37.20'	-49*33.00'	30.7	124.4	2443.0	129.0	20.9	-5.7	-6.3	990.1	732.6	0.0	0.0	wingtip
back in line...dyn sslip a bit high														
161400	53*14.04'	-48*55.26'	31.7	123.9	2429.1	129.1	24.4	-5.6	-5.8	992.7	734.7	0.0	0.0	drop combo
bt=5.3														
163648	54*29.88'	-47*34.20'	33.1	122.5	2444.7	132.8	20.6	-5.7	-10.0	999.1	740.7	0.0	0.0	combo bt=4.3
164540	54*59.76'	-47* 0.24'	32.6	125.7	2428.1	133.9	16.3	-6.3	-7.4	1001.6	741.1	0.0	0.0	pt
165634	55* 1.92'	-48*17.22'	268.1	136.6	2434.1	131.4	19.9	-5.9	-8.1	1000.1	741.9	0.0	0.0	sonde
172203	54*40.44'	-48* 6.96'	113.3	103.9	2417.0	125.9	19.4	-5.4	-7.8	998.7	740.6	0.0	0.0	setup
172946	54*30.24'	-47*25.80'	113.9	104.7	2436.4	125.9	19.0	-4.9	-7.2	998.8	740.9	0.0	0.0	sonde
174552	54* 8.16'	-46* 0.06'	113.9	105.1	2437.3	136.4	18.8	-5.3	-9.8	1000.4	741.6	0.0	0.0	sonde
175954	54*29.82'	-46*10.38'	317.1	143.2	2411.2	133.4	20.6	-5.7	-8.1	1001.3	742.1	0.0	0.0	sonde pth
no good ...intermittent														
182651	54*18.36'	-48*45.66'	235.9	129.4	2426.2	117.7	25.6	-5.3	-5.5	995.6	740.2	0.0	0.0	sonde
184303	54* 0.24'	-48*44.28'	90.3	102.4	2463.7	130.0	23.4	-5.5	-5.6	994.9	735.6	0.0	0.0	sonde
190456	54*29.94'	-46*47.16'	55.7	118.2	2459.7	136.6	18.8	-4.6	-11.3	998.5	739.5	0.0	0.0	sonde
191322	54*47.88'	-46* 1.92'	57.1	115.4	2459.0	133.1	17.5	-5.1	-13.0	1000.5	740.6	0.0	0.0	nose
pressure dorked up														
192552	55* 0.18'	-46*15.24'	268.6	133.3	2443.5	128.4	17.6	-5.3	-12.4	1001.5	742.4	0.0	0.0	sonde
202857	51*51.78'	-49*48.90'	204.8	111.5	2415.2	160.7	15.6	-6.0	-16.9	988.8	734.7	0.0	0.0	data screen
just went haywire														
204032	51*14.70'	-50*18.42'	207.1	107.9	2416.2	183.3	15.2	-6.1	-27.2	988.0	734.4	0.0	0.0	data screen
haywire again														
210404	49*59.88'	-51*15.42'	204.3	107.0	2408.9	181.5	13.4	-7.7	-30.2	988.0	733.5	0.0	0.0	box exit
214826	47*37.50'	-52*44.64'	266.0	62.8	2.2	165.4	4.4	.8	-1.6	991.0	975.0	0.0	0.0	land
215222	47*37.44'	-52*45.36'	93.3	.0	2.5	62.4	1.4	1.1	-1.5	990.3	973.6	0.0	0.0	eff check
220204	47*37.14'	-52*44.16'	309.9	.2	2.1	301.3	1.3	1.4	-2.0	989.9	974.5	0.0	0.0	block

1002181111	LAT	Lon	TK	GS	RA	WD	WS	TA	TD	SP	PS	SFWS	SFRR	COMMENT
142836	46*19.26'	-51*17.88'	92.5	.0	1.9	192.5	6.0	.8	12.7	968.0	951.9	0.0	0.0	engine
starts														
143231	47*37.14'	-52*44.16'	200.9	.4	2.0	172.8	7.5	.7	1.4	987.1	971.5	0.0	0.0	block
144425	47*37.02'	-52*44.46'	139.0	66.8	2.4	201.5	6.5	.3	1.3	987.6	971.5	0.0	0.0	t/o
144637	47*32.64'	-52*37.50'	127.1	103.0	964.9	214.5	19.5	-4.1	-2.5	987.3	875.8	0.0	0.0	broke out
above clouds														
145101	47*35.16'	-52*21.90'	7.2	141.8	2530.6	213.2	23.6	-9.7	-10.4	985.3	719.5	0.0	0.0	dew 2 is
suspect....														
145156	47*39.30'	-52*21.06'	5.4	143.6	2797.7	209.8	24.3	-11.0	-13.1	984.6	693.6	0.0	0.0	just before
last log, we were over 100% rh, and well above clouds, in really clear sky														
145248	47*43.38'	-52*20.46'	5.7	146.5	3039.4	208.6	24.3	-13.2	-14.8	985.3	671.0	0.0	0.0	it's
starting to dry out														
145548	47*58.14'	-52*18.36'	5.1	167.6	3572.0	204.8	27.3	-16.0	-17.9	983.5	625.4	0.0	0.0	td 1 and td
2 are now agreeing														
151610	49*45.90'	-52* 2.34'	5.7	154.5	2966.8	170.8	20.3	-12.6	-19.9	984.4	678.5	0.0	0.0	on our way
down to 8000 ra														
151854	49*59.16'	-51*59.88'	8.3	142.4	2412.4	176.4	19.1	-9.3	-14.7	985.2	729.6	0.0	0.0	pretty good
spread on dew														
151925	50* 1.38'	-51*58.92'	29.2	135.4	2428.6	172.6	16.8	-9.0	-16.0	984.8	728.9	0.0	0.0	zero h2o
154710	51*41.94'	-50*27.00'	30.3	127.4	2441.9	140.9	17.8	-6.8	-6.7	988.5	731.6	0.0	0.0	wingtip pgm
bad....														
154753	51*44.52'	-50*24.60'	29.9	127.5	2443.0	143.2	18.4	-6.9	-6.9	988.8	731.8	0.0	0.0	#1 dewpt
too high														
155012	51*52.68'	-50*16.68'	32.0	126.3	2425.9	123.8	16.2	-6.8	-6.1	988.8	731.5	0.0	0.0	banks left
155026	51*53.52'	-50*15.84'	31.9	125.5	2422.0	124.4	15.6	-6.7	-6.0	988.6	731.9	0.0	0.0	banks right

RANGE CONTROL GRAPH

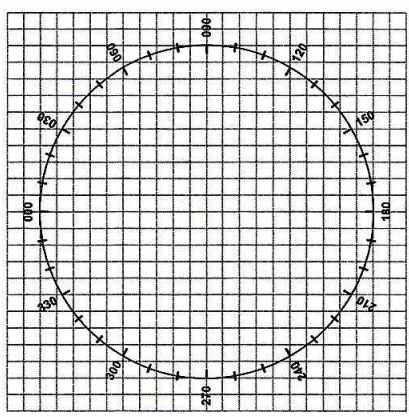
1434 41.7 46.8 52.4 56.4



CEX - TRUE BEARING METHOD				CEX SIGHT			
COMPASS TYPE	INS1	INS2	WET	GMT			
MCH (READING)				GHA			
MTH (SEXTANT)				CORR			
OE				GHA			
VAR				LONGAW			
DEV				EXACTIHA			
				LAT			
				BODY			
				DEC			
				HC/D			
				CORR			
				HG			
				Z			
				ZM			

TACTICAL (OFFSTA TO DESTINATION)			
DISTANCE (OFFSTA TO DEST)	4 ENG	3 ENG	
ENROUTE TIME (OFFSTA TO DEST)			
BURN RATE (LB/HR)	4500	5500	
ENROUTE FUEL REQUIRED			
RESERVE AT DEPARTURE			
FUEL AT OFFSTA			

POINT OF SAFE RETURN			
		4 ENG	3 ENG
ETP DISTANCE (TO DEPARTURE)			
ENROUTE TIME (TO DEPARTURE)			
BURN RATE (LB/HR)	4500	5500	
FUEL REQUIRED			
RESERVE AT DEPARTURE			
PSR FUEL			



TRUE AIRSPEED CROSS-CHECK							
TIME	IAS	PRESS ALT	"F" FACTOR	EAS	OAT	TAS	ITAS
1500	229	12750			-16	269	274

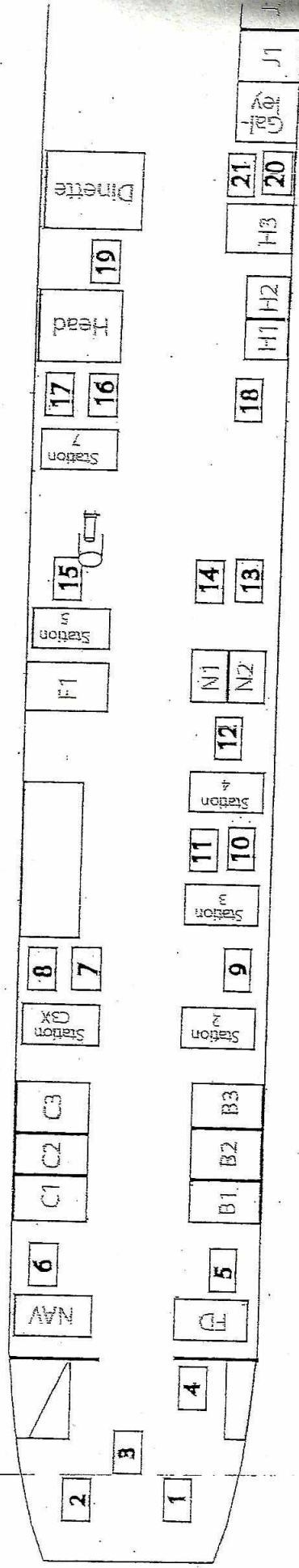
WIND FACTOR			
WINDSPEED	HEADWIND	TAILWIND	
10	1.03	.97	
20	1.06	.94	
30	1.10	.92	
40	1.14	.89	
50	1.18	.87	
60	1.22	.85	

DISTANCE REMAINING

ETP = .5(TOTAL DISTANCE x OUTBOUND WIND FACTOR)

NOAA AIRCRAFT OPERATIONS CENTER

Flight ID 10 0218J



1. GILZIMONTÉ

PILOT

2. EBHARDT

COPILOT

3. PARRY

FLIGHT ENGINEER

4. CHAND

STATION 1

5. SEARS

FLIGHT DIRECTOR

6. SLOAN

NAVIGATOR

7. DAMIANO

STATION C3X

8. MILLET

STATION C3X

9. MARTIN

STATION 2

10. BISHOP

STATION 3

11. HILL

STATION 3

12. PAWEL

STATION 4

13.

PROJECT SEAT

14. BOSKO

PROJECT SEAT

15. OLNEY

STATION 5

16. DORSKY

STATION 7

17. SELENAX

STATION 7

18. BAST

STATION 8

19.

DINETTE

20.

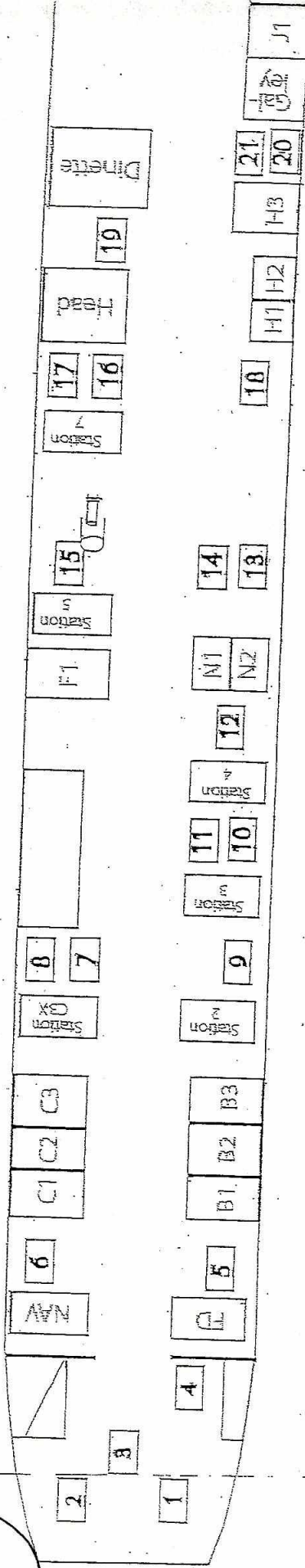
GALLEY

21.

GALLEY

NOAA AIRCRAFT OPERATIONS CENTER

Flight ID 1002151



1. GIRIMONTE
PILOT
2. EBHARDT
COPILOT
3. DARBY
FLIGHT ENGINEER
4. CHANG
STATION 1
5. SEARS
FLIGHT DIRECTOR
6. BISHOP
NAVIGATOR
7. DAMIANO
STATION C3X

8. MILLER
STATION C3X
9. RAFFIN
STATION 2
10. SLOAN
STATION 3
11. HILL
STATION 3
12. NAEMER
STATION 4
13. PROJECT SEAT
14. BOSKO
PROJECT SEAT

15. OLNEY
STATION 5
16. SELENIAK
STATION 7
17. DORSKY
STATION 7
18. BAST
STATION 8
19. DINETTE
20. GALLEY
21. GALLEY

