

FLT ID: I990215	FM: CYXT	TO: CYXT
FLT NO: 99-015	BLK IN: 2026Z	ATA: 2020Z
ETD: 1330Z	BLK OUT: 1429Z	ATD: 1438Z
ETE:	BLK TIME: 5:57	FLT TIME: 5:42
SPONSOR ORG: NESDIS	PROGRAM: SHOWS	PURPOSE: IOPE3 OVER LAND LABRADOR

ORO PERSONNEL

AC TENNESEN ✓	SYS ENG McNamara ✓
CP KENUL ✓	DATA SYS BARR
NAV Kozak / NEWMAN ✓	RADAR
FE MOORE / WADE ✓	BT/ODW
RADIO SANS SOUCI ✓	CLD PHYS
FD DAMIANO	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/ORO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
CHANG ✓	PI	NESDIS
CARSWELL ✓	ASST. PI (SCATTERMETER)	U-MASS
CZYZYK ✓	PM	AOL
BROWN ✓	OBS	AOL
PARRISH ✓	AIR CHEM	ERL

PROPOSED/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PENET, NHOP #)

T/O delayed due to C-SCAT radar dome problems
 BAL DWI 144P20Z 191.5Z RA159 down

1449.06Z turned radiometers on

152230Z cld
 DWI >> DW2+DWS

1921.53 switched to 232 RA

152630Z
 ice buildup up IW

U.S. DEPT. COMM./NOAA/ORO - DATA SECTION WORK FORM NO.2 OROWFZ FILE

FLT ID: *I990215* TIME OFF: *1438Z* TIME ON: *2020Z*

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	<i>1001.5</i>	<i>30.07</i>	<i>1000.7</i>	<i>30.03</i>

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES

2

FAST FLT LVL TAPES

RADAR TAPES

DOPPLER TAPES

ODW CASSETTES

HARD COPIES

AXBT

AXCP

~~OBX~~ *GPS*

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

DW3 2008Z too cool

I990215

TIME	LAT	LONG	TRK	HD	WD	WS	TA	TD	PA	GA	SP	PS			P6
144600	4741	5306	301	296	174	30	-2.9	-30.2	3007	3037	1014.0	700.1	CLR		74.7
150200	4817	5434	300	295	180	34	-3.5	-8.8	3043	2867	990.0	697.4	RTN	CLD	72.5
151300	4840	5536	300	292	183	40	-2.7	-10.9	3041	2850	990.5	697.4	RTN	CLD	73.3
153000	4917	5712	336	331	186	51	-6.1	-7.0	3305	3188	996.6	671.7	IN	CLD	63.7
154900	5038	5811	235	331	199	34	-6.6	-10.0	3410	3340	1003.4	665.2	RTN	CLD	69.0
160900	5202	5914	332	328	188	39	-7.2	-7.7	3322	2773	949.1	672.9	IN	CLD	71.6
161430	icing														
162500	5307	6009	335	329	203	37	-10.8	-11.6	3341	2895	962.1	671.3	ICING		76.5
163100	5331	6025	347	345	194	31	-10.6	-33.4	3341	3098	987.7	671.2	BLW	CLD	79.3
164400	5429	6048	346	345	195	20	-13.5	-32.9	3340	2975	979.7	671.3	CLR		77.4
165600	5518	6110	348	347	197	16	-15.2	-36.5	3359	3189	1002.0	669.6	CLR		75.7
170100	5540	6119	348	347	199	21	-16.5	-42.9	3749	3499	1001.8	636.7	CLR		74.8
170900	5614	6133	346	344	200	20	-15.3	-24.6	3023	2868	1008.9	699.0	CLR		74.2
172900	5600	6127	167	170	200	18	-14.9	-26.8	3024	2881	1008.2	699.0	CLR		72.4
173900	5524	6112	167	170	197	15	-15.2	-36.2	3363	3134	999.9	669.6	CLR		75.5
175800	5410	6038	168	173	205	26	-12.5	-30.2	3357	2929	973.4	669.8	BLW	CLD	81.7
180820	5331	6020	164	170	209	33	-11.4	-19.6	3359	3143	987.3	669.6	IN	CLD	87.4
183300	5203	5914	154	162	200	45	-8.3	-8.7	3358	2805	949.3	669.9	IN	CLD	80.4
185200	5058	5825	157	163	201	38	-8.3	-9.9	3358	3272	1004.8	669.8	IN	CLD	83.1
185820	5036	5810	157	163	198	32	-6.3	-8.8	3099	3032	1006.3	692.3	RTN	CLD	77.9
191500	4938	5729	153	159	187	39	-5.2	-6.1	2086						
192700	4905	5645	114	124	193	43	-4.4	-7.6	3086	2532	946.0	693.6	RTN	CLD	83.9
193800	4847	5544	115	126	190	47	-4.3	-8.5	3088	2872	983.8	693.3	RTN	CLD	86.1
195610	start climb to 15K														
195940	end climb														
200400	4807	5324	120	129	192	33	-4.8	-11.9	3298	3270	1008.9	679.6	CLR		71.9

Answer

61.25W
55.30 N

Flight #4: Feb. 15, 1999

Deer Lake	49 10N 57 26W
Goose Bay	53 11N 60 23W
Nain	56 33N 61 41W

10 AM Takeoff (1330Z)

Fuel for 6 hr flight flown at FL100. Pressure altitude. Block FL090-140

The flight will depart St. John's at 1330Z and climb to FL100.

(St. John's - Deer Lake - Goose Bay - Nain - Goose Bay - Deer Lake - St John's)

St. John's - Deer Lake FL100

Deer Lake - Goose Bay, Climb to FL111 at 50N

Goose Bay - Nain, Climb to FL124 at 55 30N

at 56N descend to FL100 and continue to Nain (10 miles past Nain)

return and repeat

Head to Goose Bay at FL100

~~XXXXXXXXXX~~

at 55 30N descend to FL111

Goose Bay - Deer Lake, Descend to FL100 at 50N

Deer Lake - St. John's at FL100

NO DROPSONDES

Briefing at 8 AM at ESSO.

The tail radar should be operated in normal mode with a sector scan, scanning from the horizontal plane and below.

Temp Drop header: WXWXA SHOWS

3/8 100WX
30.02
100 ARV
MINS

19015

56 N

61.45

22102

61W 030

184420 51°25'N

33
66

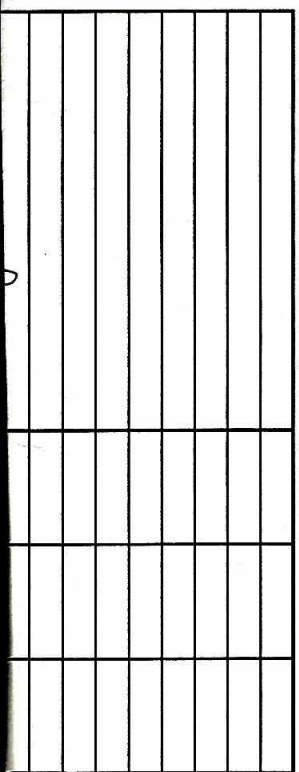
2. TIME

3. ALTITUDE, 66

4. NEXT POSITION

5. ETA

6. NEXT POSITION

[illegible]

10.0' 30.0' 40.0' 50.0' 60.0' 70.0' 80.0' 90.0' 100.0'

1800 170/13618,
VIS 3/8 RVR 5500 100'

109

$$2^{30} 2^{30} 8$$

23/543

DEER
LAKE
GOOSE
Bay
MAIN
GOOSE
DEER
A ARAN

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