



NOAA G-IV N49RF
WSR-11, RJTY-RJTY
23 Feb 2011, 31WSW Track74



Flight ID: 20110223N1

Sensor or system

Accelerometer
Altitude
Attack Angle
Dew Point Probe
Dynamic Pressure
Geopotential Altitude
Inertial Selected
Static Pressure
Slip Angle
Temperature Probe
True Air Speed
Constants File
Flight Directory

Number or Name

AccZI.1
AltGPS.3
AA.2
TD.2
PQF.2
ALTGA.1 (AltGPS.3)
INE 1
PSF.2
SA.1
TTM.3
TASF.3
49cal102
acdata/MET/2011/20110223N1

Local Met Data:

Aircraft Static Pressure
Tower Pressure (corrected)

Takeoff (0732Z)

1007.9 mb
1008.0 mb

Landing (1526Z)

1009.1 mb
1009.0 mb

Notes:

Static Pressure 2, PS.2, was within 0.5 mb of station pressure on takeoff and landing.

AA.1 spikes erroneously ~30 seconds before takeoff and after landing, which caused a spike in WS. Default was changed to AA.2 to remove spikes.

Both SA 1 and 2 spike 30 seconds before takeoff and after landing. SA.1 was left as default.

The Radar Altimeter, AltRa.1, has several spikes and is noisy throughout flight. The Novatel GPS Altitude, AltGPS.3 is default.

The Left Dewpointer, TD.1, slowly cools to TD.2 after takeoff then warms too much after level flight to ~ -45C, then cools back to TD.2 after initial descent.

23 dropsondes launched (AVAPS II): 19 good, 4 bad.

All 19 good drops successfully transmitted to be ingested into the 23/12Z model.

Flight Director:
Phone #:

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U.S. Dep't. of Commerce / NMAO / NOAA / Aircraft Operations Center

FLT ID: 20110223N	From: RTTY	To: RTTY
FLT #: 11-036	Blk In: 1529 Z	Lnd Time: 1526 Z
ETD: 0800 Z	Blk Out: 0726 Z	T/O Time: 0732 Z
ETE: 8.0	Total Blk: 8+3 (8.1)	Total Flt: 7+54 (7.9)
Sponsoring Org: NCEP	Program: WSR	Purpose: SURV

AOC Flight Crew

Aircraft Commander: TWINING	Data System: GOLDSTEIN
Co-Pilot: TOTH /	Avaps: GREENE
Navigator: /	System Engineer: BASED
Flight Eng: /	AA:
Flt Director: WILLIAMS /	AA:
Avionics:	Crew Chief:

Participating Scientists, Visitors, & Add'l Aircrew on back.

Total # of people on board: 6

of people listed on back: 8

	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure	1007.9	1008.0	1009.1	1009.0
ATIS - Takeoff	0655	17009 UNL CHR 11/01	A3029	
ATIS - Land	1455	01006 UNL SCTMD 7/02	3032	

Data Source	Number	Data Disposition / Date / Quality / File Name(s)
Flight Level Tapes		
Radar Tapes		
Dropsondes	23	Good: 19 Bad: 4 Sent: 19
AXBT		

List other data sources on back in Remarks section.

Remarks (Storm Name, Mission ID, Recco Times, Fix Times)	Recco Times:	Fix #	Fix Time
Storm Name: WSR			
Mission ID: NOAA 9 31WSW TRACK 74			

Storm/Track:

WILCHINS

TRACK 74

Pg. of

Flight ID:

20110223N

Mission ID:

NO 1914 9

Drop #	Sonde ID	Drop Time (UTC)	Lat (°N)	Lon (°W)	Wx Cond.	SFC Pres (mb)	Obs #	L5/R5 (ht, ws, wd)	Last Winds R5 (ht, ws, wd)	Last Winds L5 (ht, ws, wd)	Sent Time/KWB/C (UTC)
1	160145293	081536	35.7	145.8	DRZK	1027.6	1	RS			090030
2	102135021	083409	36.1	149.0		1026.8	2	RS			090216
FF	094735100	0852			FF IN		1	RS	FF IN beginning		
3	094120017	0855	36.2	152.6		1024.1	4	RS			092213
4	102335009	091336	36.4	155.6		1022.3	2	RS			093205
5	102335009	0936	36.5	159.5		1017.9	1	RS			095458
6	102125319	0957	36.8	163.2		1015.3	2	RS			101802
7	102135131	1016	37.5	164.5		1013.5	1	RS	GPS Wind Anomaly		110635
8	102335007	1034	38.6	169.8		1011.8	2	RS			110906
9	102335041	1051					1	-	Faster than Normal		
10	102335044	1053	40.3	172.7		1008.8	4		GPS Wind Anomaly		1127
11	102335044	1112					2		Faster than Normal		
12	100145062	1116	43.2	171.8		1003.9	3		late LAU defect ~280mb		113943
13	094735178	1133	45.0	170.2		1004.5	1				115705
14	102135114	1153	44.9	167.0		1011.6	2				122055
15	102335013	1215					1				
16	094645013	1216	44.3	163.3		1017.2	4	RS			124145
17	102335012	1236	43.7	160.4		1021.8	2	RS			025617
18	100145060	125659	42.9	157.3		10255	1	RS			131840
19	102335048	1315	42.1	154.6		1028	2	RS			134340
20	102135006	1336	41.3	151.6		1029.4	1	RS	SEMI FF 2004 FF		140831
21	102135027	1358	40.3	148.6		1029.0	2	RS	GPS WIND ANOMOLY		143349
22	100145195	1419	39.3	145.8		1027.5	1	RS			144155

Track 74 18 drops

Flying Btu 2 systems
measure intens
at it

t/o wx: wd:

AK winter storm 25th

ws:

ca precip
winter storm

26th

couds:

turb:

T10

Outbound:

wd:

16007kt 120 V190 UNL CLR 12/01

ws:

clouds:

Low SC Stratus 30-35

turb:

Inbound:

wd:

JET 310 130-410

ws:

clouds:

turb:

landing wx:

wd:

03006kt UNL SCT020
BRN030

ws:

clouds:

turb:

local conditions:

Sea Salt:

Volcanic Ash:

20110223N11120010	Lat	Lon	Press	Temp	DP	WD	WS	MSL	Alt	G	Alt	Head	Track	TAS	GS	V	Vel	COMMENTS
071614	35.7355	139.3479	1009.44	11.85	-2.38	90.6752	2.54	122.2	38.9	112.2925	236.3099	2.4	0.2	0.26				test
072619	35.7355	139.3479	1009.27	14.57	-2.62	130.8288	2.15	123.1	38.9	112.2935	206.5650	2.2	0.2	0.24				blockout
073224	35.7466	139.3489	1007.74	11.00	1.03	173.8697	1.24	128.3	38.9	350.0099	350.2940	79.3	80.5	1.81				t/o
081535	35.9005	145.8042	180.30	-47.20	-60.19	303.2695	33.06	12360.7	22.1	81.4483	86.2889	231.8	257.4	-0.18				drop1 ob1
083426	36.1000	148.9969	180.03	-49.27	-60.72	300.5786	27.83	12344.5	16.3	81.0835	85.0879	231.6	253.7	0.14				drop2 ob2
085216	36.2998	151.9951	180.19	-50.30	-60.90	284.1168	23.07	12321.5	10.0	84.7613	86.3078	230.9	252.8	-0.18				drop3 FF
085216	36.2998	151.9951	180.19	-50.30	-60.90	284.1168	23.07	12321.5	10.0	84.7613	86.3078	230.9	252.8	-0.18				drop4 ob3
091333	36.3999	155.5999	179.79	-50.35	-61.80	267.3201	24.08	12331.2	3.5	87.8937	87.8520	231.5	255.6	-0.11				drop5 ob4
093632	36.5012	159.5143	171.67	-48.41	-60.23	238.2401	25.64	12681.5	-1.1	89.0705	86.0998	233.5	255.9	0.06				drop6 ob5
095748	36.7530	163.1948	171.50	-48.04	-60.27	231.2405	39.70	12737.4	-6.2	84.5539	80.1247	234.5	268.4	0.29				drop7 ob6
101622	37.5088	166.5206	171.56	-48.61	-60.65	237.7917	57.14	12762.9	-9.2	72.5137	69.7224	233.3	288.9	0.35				drop8 ob7
103432	38.6055	169.8061	171.55	-48.41	-60.37	241.4488	55.78	12797.4	-13.1	62.4753	62.4062	232.8	288.5	0.03				drop9 ob8
105154	40.0667	172.6621	164.08	-49.37	-61.37	246.5097	54.93	13118.2	-12.5	5.7823	16.8031	231.4	263.1	1.32				drop10 ob9
111118	42.6090	172.2803	163.90	-49.05	-60.60	232.4528	48.69	13012.9	-11.2	327.5437	339.3495	232.8	242.3	0.44				drop11 ob10 FF
111434	42.9631	171.9954	163.89	-47.02	-60.51	231.3898	46.83	12995.1	-11.2	316.9762	328.2274	233.8	234.7	0.62				drop12 ob10
113339	44.9667	170.1507	163.81	-45.82	-59.33	225.9512	31.23	12892.0	-3.8	287.7896	295.2542	234.7	221.9	0.45				drop14 ob11
115313	44.8987	166.9986	164.03	-46.01	-58.61	229.8981	26.71	12821.8	-4.9	258.9054	262.4607	232.7	209.7	0.29				drop15 ob12
121506	44.3990	163.6039	163.68	-45.62	-58.99	230.2711	25.51	12803.5	-1.9	252.7336	255.2788	234.6	211.3	-0.15				drop16 FF
121650	44.3452	163.3393	163.61	-45.27	-58.95	232.9105	24.65	12803.2	-1.5	252.0641	254.0310	235.2	212.0	-0.25				drop17 ob13
123609	43.6981	160.4408	156.44	-48.27	-59.60	234.5466	21.74	13109.3	2.0	250.5167	252.0292	231.5	210.7	-0.10				drop18 ob14
125658	42.8960	157.3508	156.24	-47.77	-60.29	242.3378	17.50	13124.8	5.9	249.0400	249.2993	233.3	215.9	-0.33				drop19 ob15
131555	42.0994	154.5964	149.33	-49.75	-60.60	249.1469	19.76	13421.4	10.1	249.6894	249.4330	231.3	211.6	0.02				drop20 ob16
133650	41.2956	151.5917	149.11	-48.17	-61.07	248.3768	21.08	13449.7	14.9	247.7444	247.5628	234.5	213.5	-0.08				drop21 ob17 semi FF
135847	40.2720	148.6128	149.10	-49.32	-60.88	263.0279	25.46	13479.4	18.9	248.4760	246.4353	233.2	208.7	0.02				drop22 ob18
141947	39.3347	145.8190	149.08	-48.13	-61.71	276.9669	25.00	13513.2	21.5	249.9031	246.5019	233.6	211.7	-0.22				drop23 ob19
152559	35.7562	139.3469	1008.87	6.69	-5.51	27.6025	2.10	135.3	39.0	169.8036	170.5357	62.9	64.6	0.42				land
152921	35.7356	139.3478	1009.64	9.34	-23.11	139.9051	1.01	130.0	38.9	112.6672	63.2760	1.3	0.6	0.14				blockin