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Flight Director: SEARS
Phone #: 863.500.3896

ACAT-4 Version = 7.1

APPENDIX 2 – GIV QC Checklist

Flight ID:	20170909N1
Flight Director(s):	SEARS FLAHERTY

Pressure Comparison		
	T/O	Land
Aircraft	1007.6	1007.7
Tower	1007.5	1007.6

UWZ.d mean: 21

	Raw 1Hz Mean File Parameters				C File Parameters	
✓ Accelerometer	AccAXI.1	AccAYI.1	AccAZI.1		AccZref	
	AccAXI.2	AccAYI.2	AccAZI.2			
	AccAXI.3	AccAYI.3	AccAZI.3			
✓ Altitude	AltGPS.1	AltI.1	AltPaADDU.1	AltBCADDU.1	ALTref	
	AltGPS.2	AltI.2	AltPaADDU.2	AltBCADDU.2	ALTPA.d	
	AltGPS.3	AltI.3	AltRA.1		ALTGA.d	
✓ Ground Speed	GsXI-GPS.1	GsXI.1	GsGPS.1	GsXGPS.1	GSXref	
	GsXI-GPS.2	GsXI.2	GsGPS.2	GsXGPS.2	GSYref	
	GsYI-GPS.1	GsXI.3		GsYGPS.1	GSZref	
	GsYI-GPS.2	GsYI.1	GsZI.1	GsYGPS.2		
	GsZI-GPS.1	GsYI.2	GsZI.2	GsZGPS.1		
	GsZI-GPS.2	GsYI.3	GsZI.3	GsZGPS.2		
✓ Lat/Lon	LatGPS.1	LatI.1	LonGPS.1	LonI.1	LATref	
	LatGPS.2	LatI.2	LonGPS.2	LonI.2	LONref	
	LatGPS.3		LonGPS.3			
✓ Pressure	PDALPHA.1	PQALPHA.1	PQM.1	PSM.1	PDALPHAref	PQMref
	PDALPHA.2	PQALPHA.2	PQM.2	PSM.2	PDBETAref	PQ.c
	PDBETA.1	PQBETA.1			PQALPHAref	PSMref
	PDBETA.2	PQBETA.2			PQBETAref	PS.c
✓ Air Speed	CasADDU.1	TasADDU.1	IasADDU.1		IAS.d	TAS.d
✓ Pitch/Roll	PitchI.1	PitchRateI.1	RollI.1	RollRateI.1	PITCHref	
	PitchI.2	PitchRateI.2	RollI.2	RollRateI.2	ROLLref	
	PitchI.3	PitchRateI.3	RollI.3	RollRateI.3		
✓ Temp/Dewpt	TTM.1	TTM.4	TDM.1		TD.c	TTMref
	TTM.2		TDM.2		TDMref	TA.d
	TTM.3					
✓ Miscellaneous (must check)					UWZ.d	WS.d
					DPJ_WSZ	WD.d
					HUM	

FLID_Mission_Documents.pdf:

Error Summary
Crew Manifest
QC checklist
Dropwindsonde Log(s) – AVAPS and FD if completed
Flight Track
Miscellaneous FD notes

NOTES:

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

FLT ID: 20170909IN1	From: KLAL	To: KLAL
FLT #:	Blk In: 1403 Z	Lnd Time: 1358 Z
ETD: Z	Blk Out: 0524 Z	T/O Time: 0538 Z
ETE:	Total Blk: 8.7	Total Flt: 8.3
Sponsoring Org:	Program:	Purpose:

AOC Flight Crew

Aircraft Commander: MACINTYRE	SSA: MILLER
Co-Pilot: COWAN / SMMS	AVAPS: ROLES HARTBERGER
Navigator: /	Scientists:
Flight Eng: /	Scientists
Flt Director: SEARS / FLAHERTY	Scientists
SEB: GOLDSTEIN /	Scientists:

Crew Chief: OSOWSKI Visitors: / /

A/C - Takeoff Wx Station - Takeoff A/C - Land Wx Station - Land

Pressure

AS REQUIRED BY ORM	YES / NO	REMARKS
VOLCANIC ASH		
SCIENCE MISSION WITHIN BOUNDARY LAYER		
LACK OF PRECIPITATION		
RELATIVE HUMIDITY AT OR ABOVE 80%		
LARGE AIR-SEA TEMPERATURE GRADIENT		
HIGH SURFACE WINDS		
LONG FETCH AND/OR DURATION OF SFC WIND		
SEA SALT ACCRETION FORECAST		
SEA SALT ACCRETION OBSERVED		

Dropsondes Good: Bad: Sent:

AXBT Good: Bad: Sent:

List other data sources in Remarks section

Remarks (Storm VDM Identifier, Mission ID, Fix Times)	Fix #	VDM Ob Num	Fix Time / SLP
Storm Number Identifier (VDM): (ie: AL072012)			
TCPOD/WSPOD Mission ID: 2511A IRMA (ie: NOAA2 2418A SANDY)			

Remarks:

N49RF AVAPS DROP LOG

Lead Tech: Gabe Defeo

33 dropped
6 bad

Project : Hurricane 2017

Mission : Irma

Flight ID : 20170909N1

Take Off : 0539

Landing : 1358

Flt Dir : SEARS

Launcher S/N: 2

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	142745122	1	-0.7	0610	Roles	PHS		✓
2	163335180	2	0.0	0619	"			✓
3	162745042						Bad GPS no Drop	
4	163313008	3	-0.2	0636	"			✓
5	163335232	1	-0.1	0651	"			✓
6	142715021	2	-0.9	0702				✓
7	163325005	3	+0.3	0715				✓
8	162715183	1	-0.4	0727				✓
9	163525085	2	-0.2	0743				✓
10	163313007	3	-0.1	0758				✓
11	162715027	1	+0.4	0815				✓
12	162745026	2	0.0	0832				✓
13	163313026	3	-0.3	0844				✓
14	162715034	1	+0.1	0908			Bad data NOT sent	✗
15	163025230	2	-0.8				No Drop weak GPS	✗
16	162735047	3	0.0	0923			BAD GPS	✗
17	162745043	4	?	0925			Bad data	✓
18	163335158	1		0946 ⁵⁰	Way Last		Launch Perfect	✗
19	162715030	2		0936			GPS Late	✗
20	162715222	3		0945				✓
21	162745054	4		1006	"		Drop Point 17 last winds	✗
22	163455035	1	-0.3	1026				✓
23	163335246	2	0.0	1043				✓
24	163025094	3	0.0	1052			ended at 999 mb	✓
25	162715188	1	-0.3	1115				✓
26	162715232	4	0.0?	1204				✓
27	163335206	2	0.0	1125				✓
28	163313016	3	-0.2	1150			No Pressure TH	✗
29	163335305	1	-0.3	1151				✓
30	163455191	2	-0.2	1206				✓
31	163335282	3	+0.2	1225				✓
32	163325006	1	+0.4	1240				✓
33	143425116	2	-0.4	1253				✓
34	1434155087	3	-0.3	1309				✓

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N49RF AOC GPS Dropwindsonde Log

Flight ID: 20170909N1

Flight Director: FAHSEN / SEARS

Mission ID: 25114 IRMA

Storm/Track: Hurricane Irma Surv.

Pg ___ of ___

Drop #	Ob #	Sonde ID	Drop Time (UTC)	Lat (°N)	Lon (°E)	Wx Cond.	LS/R5?	SFC P/s (mb)	Last Wind Alt (m)	Comments	Ch #	SatComm failures	KWBC #
1	1	45122	0610	26.2	-79.2	RA2C		1009.4			1		0828
2	2	35180	0619	27.5	-79	"		1010.3		EARLY LAUNCH	2	DETECT	0638
3	3	13008	0636	29.5	-79	"		1012.2			3		0702
4	4	35232	0651	31.4	-78.8	"		1016.0			1		0715
5	5	15021	0702	31.5	-77	"		1015.0			2		0742
6	6	25005	0715	31.3	-75	"		1014.4			3		0750
7	7	15183	0727	31.4	-73	"		1014.6			1		0759
8	8	25085	0743	29.6	-73.1	"		1012.2			2		0805
9	9	15007	0758	29.5	-75	"		1012.3			3		0820
10	10	15027	0815	29.4	-77	"		1011.1			1		0835
11	11	45026	0822	27.6	-76.9	"		1009.8			2		0852
12	12	13026	0844	23.7	-72	"		1002			3		0905
13	13	15039	0908							SEND/ DATA	1		
14	14	35017	0923							SEND/ DATA	3		
15	15	45043	0925	24.2	-75.6	RA2C		1006.2		RAID WINDS / GO	4		0957
16	16	15030	0936	22.9	-71.1	"		1017		RAID WINDS	2		0959
17	17	35158	0946							RAID SONDE	1		
18	18	15222	0948	21.8	-75.6	RA2C		1005.0			4		1018
19	19	45054	1005	20.1	-73.8	"		1005.9		RAID SONDE	1		
20	20	35035	1026	19.5	-76	OVERCUD		1005.9		RAID SONDE	1		1048
21	21	35224	1043	19.5	-78	"		1011		RAID SONDE	2		1112
22	22	25094	1052	20.1	-79	SCTBW				TERMINATED EARLY	3		1159
23	23	15232	1104	20.7	-80.2	"		998.9			4		1202
24	24	15188	1115	20.9	-81.2	"		1011.3			1		1209
25	25	35206	1125	21	-83	"		1004.3			2		1211
26	26		1149							RAID SONDE - NO PRESSURE	3		
27	27	35305	1151	22.1	-85.2	SCTBW		1008.0			1		1215
28	28	15188	1206	23.9	-86.3	SCTBW		1009.3			2		1236
29	29	35242	1225	24.2	-84	"		1007.4			3		1256
30	30	25006	1240	26	-84.2	"		1009.8			1		1325
31	31	25116	1253	28	-86	"		1015			2		1328
32	32	15087	1309	28	-86	"		1013.4			3		1332
33	33	35055	1324	29	-84	"		1014.0		LAST PPT	1		1349

2017-09-09, 04:46:57-14:04:40

