

N43rf
JEANNE
JOY0924II
WX11A JEANNE

CBLAST

The on-board radar scientist is responsible for data collection from all radar systems on his/her assigned aircraft. Detailed operational procedures and checklists are contained in the operator's manual supplied to each operator. General supplementary procedures follow. (Check off and initial.)

Preflight

- ☒ 1. Determine the status of equipment and report results to the on-board lead project scientist (LPS). *Questionable as to whether we are*
- ☒ 2. Confirm mission and pattern selection from the on-board LPS. *going to get to 3000 or not.*
- ☒ 3. Select the operational mode for radar system(s) after consultation with the on-board LPS. *will Do Initial Calibration Square*
- ☒ 4. Complete the appropriate preflight calibrations and check lists as specified in the radar operator's manual. *and Not Done! Circles*

In-Flight

- ☒ 1. Operate the system(s) as specified in the operator's manual and as directed by the on-board LPS or as required for aircraft safety as determined by the AOC flight director or aircraft commander.
- ☒ 2. Maintain a written commentary in the radar logbook of tape and event times, such as the start and end times of F/AST legs. Also document any equipment problems or changes in R/T, INE, or signal status.

Post flight

- ☒ 1. Complete the summary checklists and all other appropriate check lists and forms.
- ☒ 2. Brief the on-board LPS on equipment status and turn in completed forms to the LPS.
- ☒ 3. Hand-carry all radar tapes and arrange delivery as follows:
 - a. Outside of Miami-to the LPS.
 - b. In Miami-to MGOC or to AOML/HRD. [Note: all data removed from the aircraft by HRD personnel should be cleared with the AOC flight director.]
- ☒ 4. Debrief at MGOC or the hotel during a deployment.
- ☒ 5. Determine the status of future missions and notify MGOC as to where you can be contacted.

BAT
HRD Radar Scientist Check List

Flight ID: J040924I1

Aircraft Number: N43F

BAT
Radar Operators: Leighton / Unlhorn

BAT
Radar Technician: J. Smith

Number of digital magnetic tapes on board: N/A

Component Systems Status:

MARS _____ Computer _____

DAT1 _____ DAT2 _____

LF _____ R/T Serial # _____

TA _____ R/T Serial # _____

Time correction between radar time and digital time: _____

Radar Post flight Summary

Number of digital tapes used: DAT1 _____

DAT2 _____

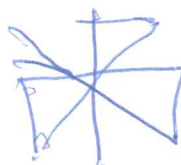
Significant down time:

DAT1 _____ Radar LF _____

DAT2 _____ Radar TA _____

Other Problems:

2623N @ 1757
1305W



BATProbe HRD Radar Event Log

Flight J040924#1 Aircraft N43rf Operator Leighton Sheet 1 of 2

LF RPM

TA RPM

(Include start and end times of DATs, as well as times of F/AST legs and any changes of radar equipment status)

Tape # <i>(Time Sec)</i>	F/AST On?	Event Time (HHMMSS)	Event
0	183	1520200	Power on run delay leg begin
—	183	15:14:30	Probe clearest on
—	208	15:15:00	" " off
492380	5667	1646	clearest on
492500	5777	164800	" off w/ 164800
492600	5888	164949	Rein clearest on
492880	6189	165420	" off 1000 m 3000 ft
493300	6593	170145	Rein clearest on Rain going to TP
494444	7726	172030	IP Inboard Pass 1 leg 1 turn w/ 120
495295	8582	173434	(Eye) clearest off 26.23m w/ 73.00 w/ @ 1738 967m
495800	9088	17143:00	clearest on (late) w/ bank leg 2 pass 1
496660	9922	1757:00	off
496700	9917	1758:00	Rain ON clearest
496800	10094	180000	End leg 2 pass 1 turn to hlk 335 w/ N
497100	10368	180428	BT out Near 3000' clearest off
497180	10458	180600	clearest on in Rain (lot of Rain)
497825	11116	181650	start climb to 5000
498160	11443	182222	turn to 240 end of climb w/ leg 3
498490	11764	182750	360° turn to realign w/ 42 Leg 4 Pass 2
498700	11972	183118	finish turn clearest off turn 205
498800	12089	183320	clearest ON 4 Rain
499130	12415	183838	off in Eye 2 end leg 4 start leg 5

Px() Py(sideslip) Pz(attach#1) Ps(ps2m) Ax(vo) Ay(vo) Az(v9.8) Tpl()
TP2() TBar(TTemp 1/3) Dmpt(Dmpt#2) BodyT() SScT()

BAT Probe Event(cont)

HRD Radar Down-Time Log

Flight JOY0924II Aircraft N43rf Operator Leighton Sheet 2 of 2

Item Time Sec	Time Down (HHMMSS)	Time Up (HHMMSS)	Problem
499370	12648	183800	Rain overall start leg 5 clean on
499530	12787	184445	clean out off Brief slot between
499636	12923	184800	clean out on eye overall rain
500310	13595	185800	clean out off hr 204° leg 5
500600	13874	190300	clean out on Rain hr 204 leg 5
500650	13924	190342	left turn to 105° end leg 5
500735	14021	190518	start leg 6 hr 100° clean out off
500870	14146	190730	Rain band leg 6 clean out on
501010	14295	191000	End leg 6 start turn to North
501120	14406	191145	finish turn start inbound leg to North
501230	14506	191330	clean out off hr 0°
501510	14825	191845	clean out probe on
502030	15295	192630	Eye clean out off
502740	15981	193800	follow inside edge of eye all E exit on
503400	16675	194930	left turn end leg 8
503500	16791	195130	start leg 9 hr 225
504680	17945	201050	left turn end leg 9
504770	18059	201240	End turn start leg 10 pass 4
505500	18762	202424	Eye 4 end leg 10 start leg 11 clean out off
505950	19227	203206	exit Eye 4 to east clean out on
506610	19887	204300	End leg 11 180° turn back W. for leg 12 pass 5
506760	20047	204545	Start inbound leg 12 to W. clean out off

Item List: DAT1, DAT2, COMP, MARS, LF, and TA.

Include serial numbers of any new R/Ts.

507270 20541 205400 clean off TRK 270
 507790 21044 210240 change to 282° start leg 13 both pass 5
 507890 21176 210430 clean on eye overall
 508900 22182 212121 climb out
 22269 Stop
 2128 Power off
 2227 copied files to 25P



Copy
BAT Probe
~~HRD Radar~~ Event Log

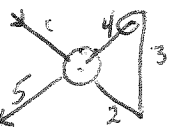
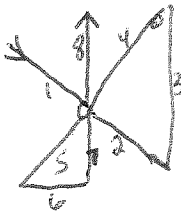
Flight 1040924I Aircraft N43rf Operator Leighton Sheet 1 of 2

LF RPM _____ TA RPM _____

(Include start and end times of DATs, as well as times of F/AST legs and any changes of radar equipment status)

SCAN #

Tape # TIME (Sec)	F/AST On?	Event Time (HHMMSS)	Event
0	0	15 10 00	Power on/run datalog begun
—	183	15 14 30	Probe Cleanout on
—	208	15 15 00	Probe Cleanout off
492380	5667	16 46 00	Cleanout on
492500	5777	16 48 00	Cleanout off
492600	5888	16 49 49	In Rain cleanout on
492880	6159	16 54 20	Cleanout off
493300	6593	17 01 45	Rain, cleanout on, going to IP
494444	7726	17 20 30	IP Inbound Pass 1 leg 1 Trk 20°
495295	8582	17 34 34	(Eye), cleanout off, 26.23N 73.00W @ 1738
495800	9088	17 43 00	Cleanout on (late) Outbound leg 2, Pass 1 967mb
496660	9922	17 57 00	Cleanout off
496700	9977	17 58 00	Rain cleanout on
496800	10094	18 00 00	End leg 2, Pass 1, Turn to trk 335°
497100	10368	18 04 28	Nearing 3000 ft, cleanout off
497150	10458	18 06 00	Cleanout on (in Heavy Rain)
497825	11116	18 16 50	Start Climb to 5000 ft.
498160	11443	18 22 22	End of Downwind leg 3 turn to trk 240°
498490	11764	18 27 50	Circle left to re-align w/ 42 start leg 4, Pass 2
498700	11972	18 31 15	Finished turn, cleanout off, Trk 205
498800	12089	18 33 20	Rain, cleanout on
499130	12415	18 38 38	Cleanout off in Eye, End leg 4 start leg 5



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Bat Probe

~~HRD~~ Radar Event Log

Flight J040924II Aircraft N43rf Operator Leighton Sheet 2 of 2

LF RPM _____ TA RPM _____

(Include start and end times of DATs, as well as times of F/AST legs and any changes of radar equipment status)

SCAN#

Tape # Time (Sec)	F/AST On?	Event Time (HHMMSS)	Event
499370	12648	18 38 00	Rain in Eyewall at leg 5, cleanout ON
499530	12787	18 44 45	Cleanout OFF, brief slot between inner
499636	12923	18 48 00	cleanout ON, eyewall Rain
500310	13595	18 58 00	cleanout OFF, Trk 204°, leg 5
500600	13879	19 03 00	Cleanout ON, trk 204°, leg 5
500650	13924	19 03 42	Start left turn to 105°, end leg 5
500735	14021	19 05 18	start leg 6, trk 100°, Cleanout OFF
500870	14146	19 07 30	Rain band leg 6, Cleanout ON
501010	14295	19 10 00	End leg 6, start turn to North
501120	14406	19 11 45	finish turn start inbound leg to North
501230	14506	19 13 30	Cleanout OFF, trk 0°
501510	14829	19 18 45	Cleanout ON
502030	15295	19 26 30	Eye, Cleanout OFF, end leg 7 start
502740	15981	19 38 00	follow Inside ^{EAST} Edge of eyewall, Cleanout ON
503400	16675	19 49 30	Left turn end leg 8
503500	16791	19 51 30	Start leg 9, trk 225°
504680	17945	20 10 50	Left turn end leg 9
504770	18059	20 12 40	End turn, start leg 10, pass 4
505500	18762	20 24 24	Enter Eye(4), End leg 10, start leg 11, Cleanout OFF
505950	19227	20 32 06	Exit Eye(4) to East cleanout ON
506610	19887	20 43 00	End leg 11, 180° turn back to West for start leg 12
506760	20047	20 45 45	Start inbound leg 12 to 270°(W) Cleanout OFF
506870	20147	20 47 20	Clean out ON
507270	20541	20 54 00	Cleanout OFF trk 270°
507790	21044	21 02 40	Change trk to 282°, start outbound leg 13, pass 5
507890	21176	21 04 30	Eyewall Cleanout ON
508900	22182	21 21 21	Climb out, 222609 → sleep 212800 power OFF

enter eyewall

(end pass 2)

leg 7 (pass 3)

leg 8

exit N (end pass 3)

leg 12 (pass 5)

leg 13, pass 5

power OFF

