

Radar Scientist

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 or initial.)

Preflight

- ☒ 1. Determine the status of equipment and report results to the lead project scientist (LPS).
- ☒ 2. Confirm mission and pattern selection from the LPS.
- ☒ 3. Select the operational mode for radar system(s) after consultation with the LPS.
- ☒ 4. Complete the appropriate preflight calibrations and check lists as specified in the radar operator's manual.

In-Flight

- ☒ 1. Operate the system(s) as specified in the operator's manual and as directed by the 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 forms.
- ☒ 2. Brief the 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.

HRD Radar Scientist Check List

Flight ID: 050710H1

Aircraft Number: N42RF

Radar Operators: Paul Leighton

Radar Technician: Mark

Number of digital magnetic tapes on board: _____

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:

14
st
1
at
11
2
11
1
2
fr
2
2
2

20050709 H1 H. Dennis

NHC Tasked Mission

1201 A Dennis

09:00 & 12:00 2 Fixes

N12 Sonda drops Rulis aux

clouds Tropical Storm Fina

radit and Center drops.

French Antenna 2100/2100

Kennedy
Silan

Seien

Clay
Gallagher
Klippel
Wade

Rogers
Leighton
Morillo

Torrey
Flaherty
Macmillan
Hill
Rogers

Shore located
just on coast
Near Hawaiian

0530 position 23.3 82.4

~~0530 A Dennis~~

Current pos:

92 pos?

122 pos?

Take off delayed, engines hot low power. A/C will reconfigure and start if we can take off again.
Took off at 0500hrs

20050710 H Dennis

Post-kind Fall Analysis (HRD)

N18100 29.50 min 86.55 min

20:00 Eye located in Pensacola Bay
then N 50 N from Eye (SE)

Kennedy Silan Clay
Klippel Wade Torrey
Gallagher Flaherty
Macmillan Rogers Hill

Peter Dodge
S. Morillo
R. Rogers
P. Leighton