

19840924HI-RADAR

SEP 24 1984

840924H

H. W. W. W.

Kohler / Bogert

E.4 Radar Scientist (On-Board)

This individual is responsible for data collection from all radar systems on board his or 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.)

E.4.1 Preflight

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

E.4.2. In-Flight

- KML 1. Operate system as specified in the operator's manual and as directed by the HRD radar scientist, unless superseded by directions from the on-board LPS or as required for aircraft safety as determined by the OAO flight director or aircraft commander.

E.4.3 Postflight

- KML 1. Complete summary checklists and all other appropriate checklists and forms.
- KML 2. Brief on-board LPS on equipment status and turn in completed forms to LPS.
- KML 3. Hand-carry all radar tapes and arrange delivery as follows:
 - a. Outside of Miami - the HRD operations center.
 - b. In Miami - the HRD/AOML offices.
- 4. Debrief at operations center.
- 5. Determine status of future missions and notify operations center as to where you can be contacted.

Radar Scientist Checklist

SEP 24 1984

H. Norbert

Flight # 840924H
A. C. # N42RF
Operator Kohler/Bogert
Radar Tech. Berles/Jarvi + DuGronaut

Number of digital magnetic tapes on board 16

Number of video tapes on board 2

Number of tape labels on board Enough

Component systems up and checked:

RDSC ✓
Computer ✓
DMTR1 ✓
DMTR2 ✓

VTR ✓
DSC1 ✓
DSC2 ✓
Scopes ✓

NO ✓
LF ✓
TA ✓

Time correction between radar time and digital time -15

Radar Postflight Summary

Number of digital tapes used DMTR 1 6

DMTR 2 6

Number of video tapes used 2

Significant recorder down time (other than for tape changes):

DMTR: LF —
NO —
TA ✓

VTR: LF —
NO —
TA —

Other problems: (stabilization, interference, etc.) Possible stabilization problem with tail radar observed 0450 heading out of storm - 4 to +4 tilt & constant heading

Form E-4
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HRD RADAR TAPE LOG

FLIGHT 890924H

AIRCRAFT *N42RF*

OPERATOR Kohler/Bogert

SHEET / OF

[illegible]

ITEM LIST: VTR, DMTR1, DMTR2, COMP, RO SC, LF, NO, TA, DSCI, DSC2