

Appendix J

Operational Checklists

19790221H1-LPS

FORM J-1

On-board Lead Project Scientist Checklist

DATE 2/21/79AIRCRAFT 42RFFLT 790221H

A. Participants

Function	Participant	Function	Participant
<u>Pilot</u> Turner <u>Co Pilot</u> Werly <u>NAV</u> Schissel <u>FLT ENG</u> ROSE	Lead Proj. Sci. <u>SHEETS</u>	Gust Probe	<u>N/A</u>
	Cloud Physics <u>I</u>	Omega Sonde	<u>DuGrzner</u>
	AXBT	Sys Eng	<u>II</u>
	Hot Film <u>N/A</u>	Data Tech	<u>Brown</u>
	Radar <u>LEWIS</u>	El Tech	<u>Conner</u>
	Flt DIR/MET <u>DAVIS</u>	Other	<u>NUNN</u>

Time Off ~ 2:30 PM Location TOWNSVILLE
AUST.Time On ~ 11:30 PM Location TOWNSVILLE
AUST.

B. Past and Forecast Storm Position - Observed Positions

Date	Time	Lat	Lon	Date	Time	Lat	Lon	MSLP
..		<u>18.5°N</u>	<u>154.0°E</u>					

C. Mission Briefing

FLY CLOVERLEAF PATTERN AT 1500 ft, 18,000 ft, ~24,000 ft
with 60 NM legs. Enter at point 3 (Fig 3 pp 10) oriented
at 300° radial. Climb point 2-3 to next level.

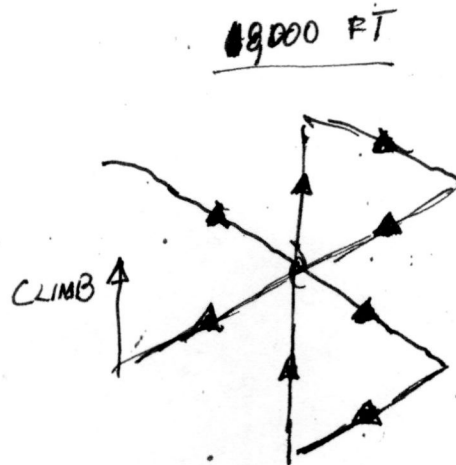
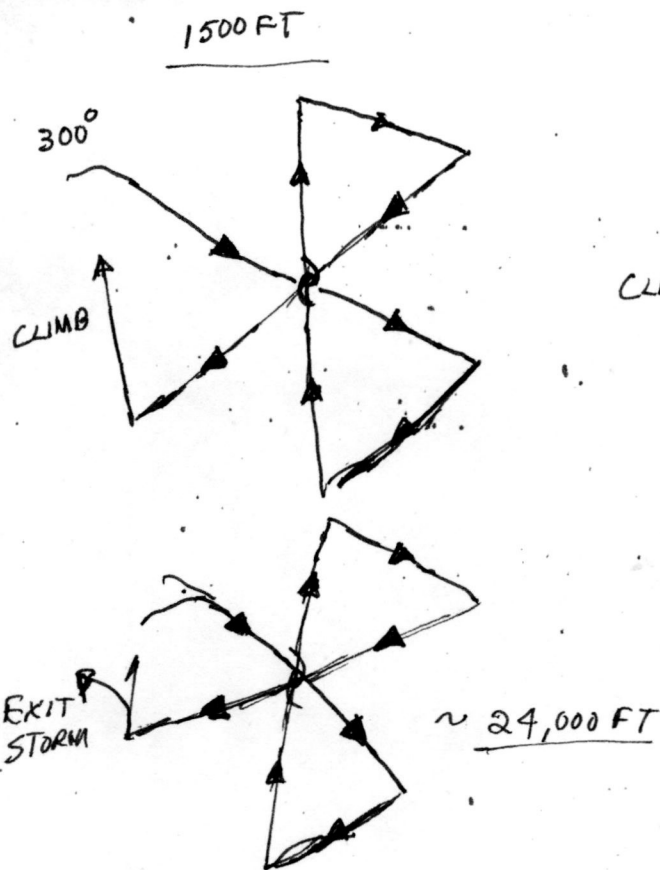
D. Equipment Status

<u>Equipment</u>	<u>Pre Flt</u>	<u>In Flt</u>	<u>Post Flt</u>	<u>Reports Collected</u>
Aircraft				
Radar	<i>See remarks</i>			
Cloud Physics	<i>See remarks</i>			
Data Sys	✓			
Omega Sondes	✓			
AXBT				
Gust Probe				
Hot Film				
Photography				

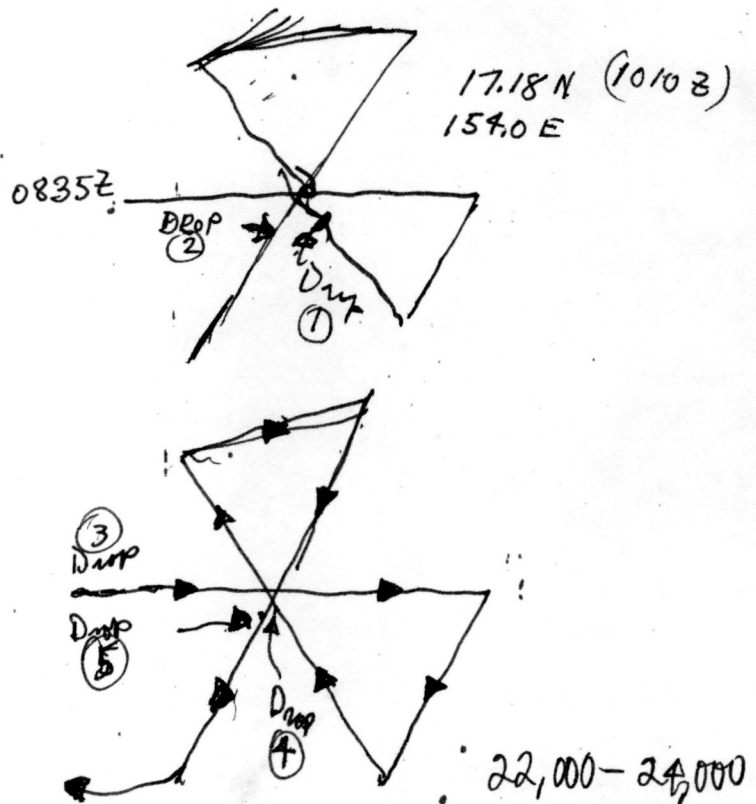
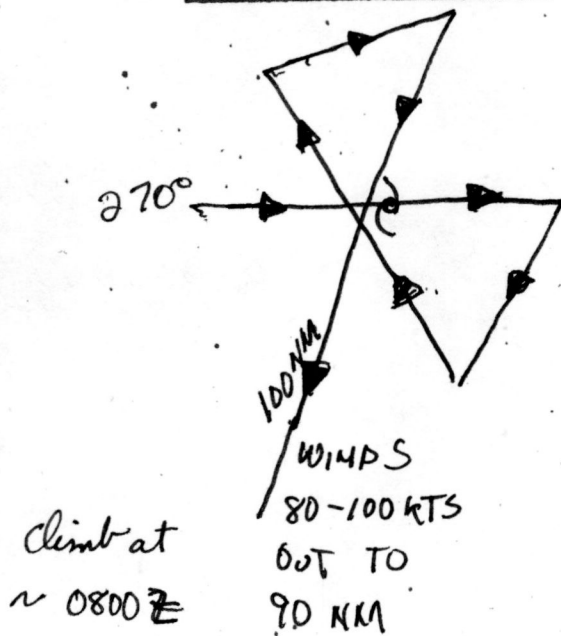
REMARKS

- ① Lower Fuselage radar not stabilized - fixed at zero tilt
Tail radar inoperative.
 - ② (Prisip. probe inoperative
{ Foil inoperative
Foimvar inoperative
 - ③ 10 omegasondes onboard - all same channel - 30 minutes between drops.
Signal weak but there according to Dubranutt.
 - ④ Only 6 AXBT'S ON BOARD
Weight - balance problem?
- P. BLACK AND PAUL WILLIS WERE BUMPED FROM FLIGHT.

E. Proposed Flight Patterns

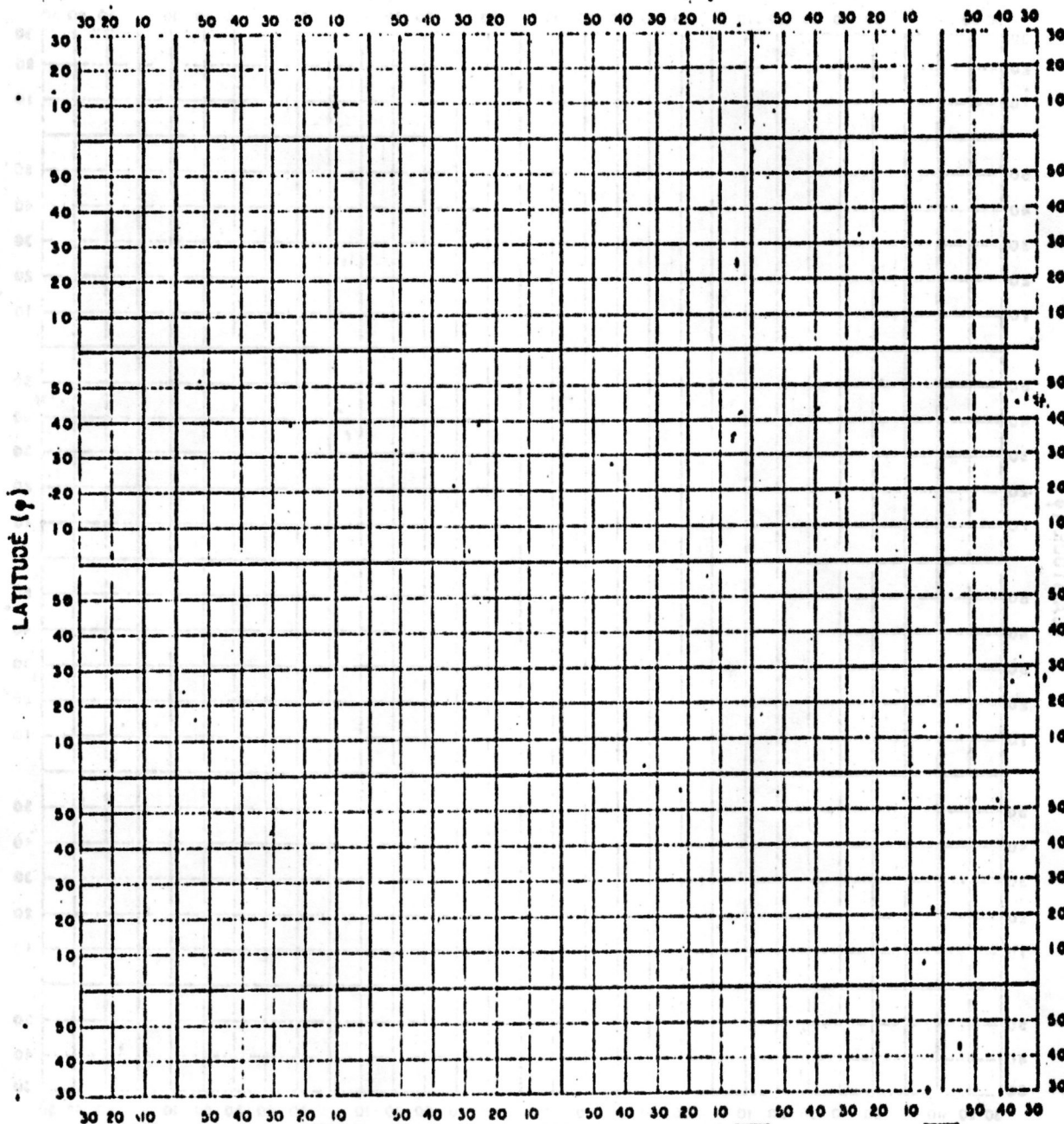


F. Actual Flight Patterns



HURRICANE RECCO PLOTTING CHART

TRUE AT 25° LATITUDE, IN DEGREES AND MINUTES OF ϕ AND λ



DATE _____

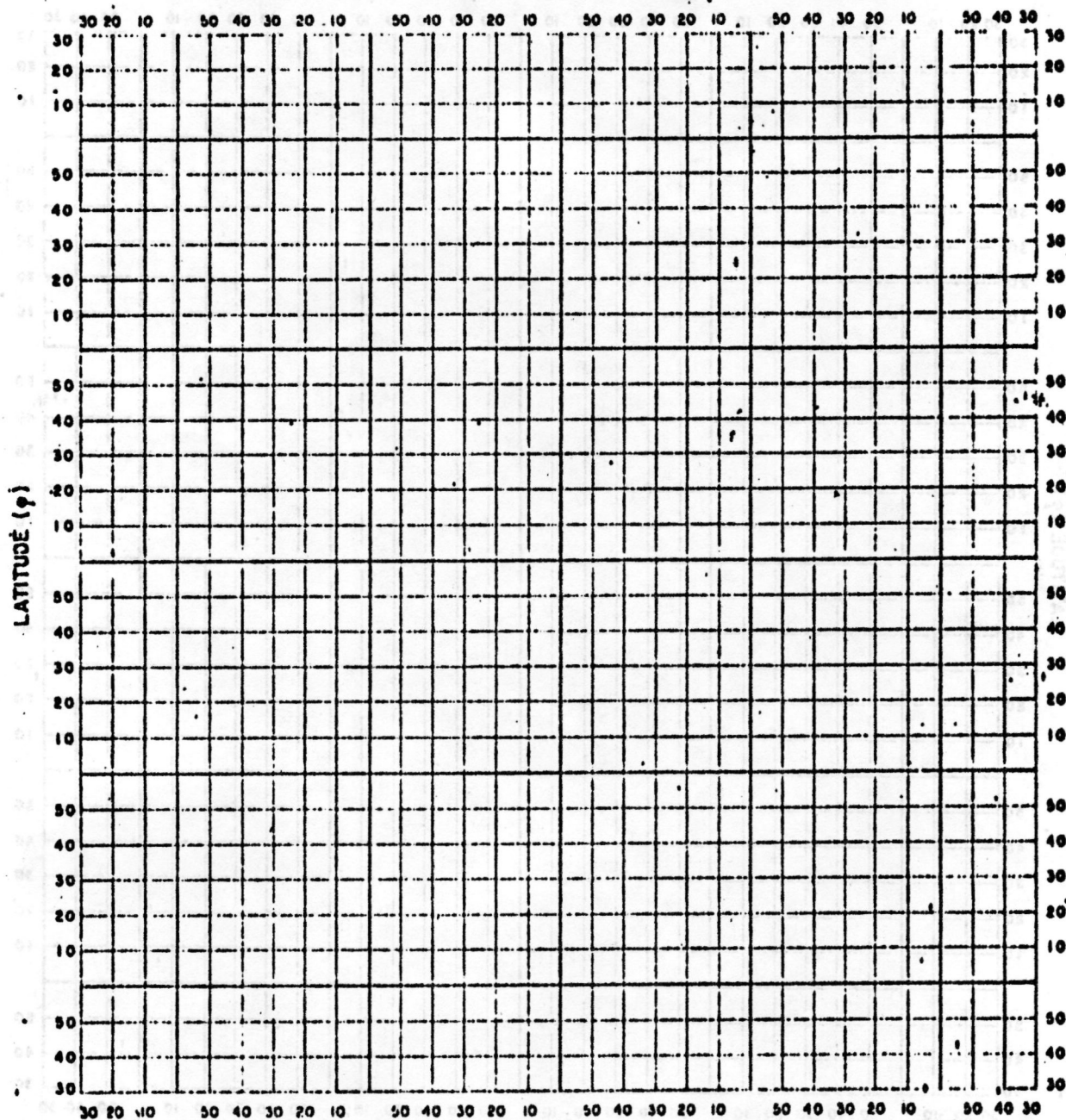
LONGITUDE (λ) _____

OBSERVER _____

NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA

HURRICANE RECCO PLOTTING CHART

TRUE AT 25° LATITUDE, IN DEGREES AND MINUTES OF ϕ AND λ



DATE _____

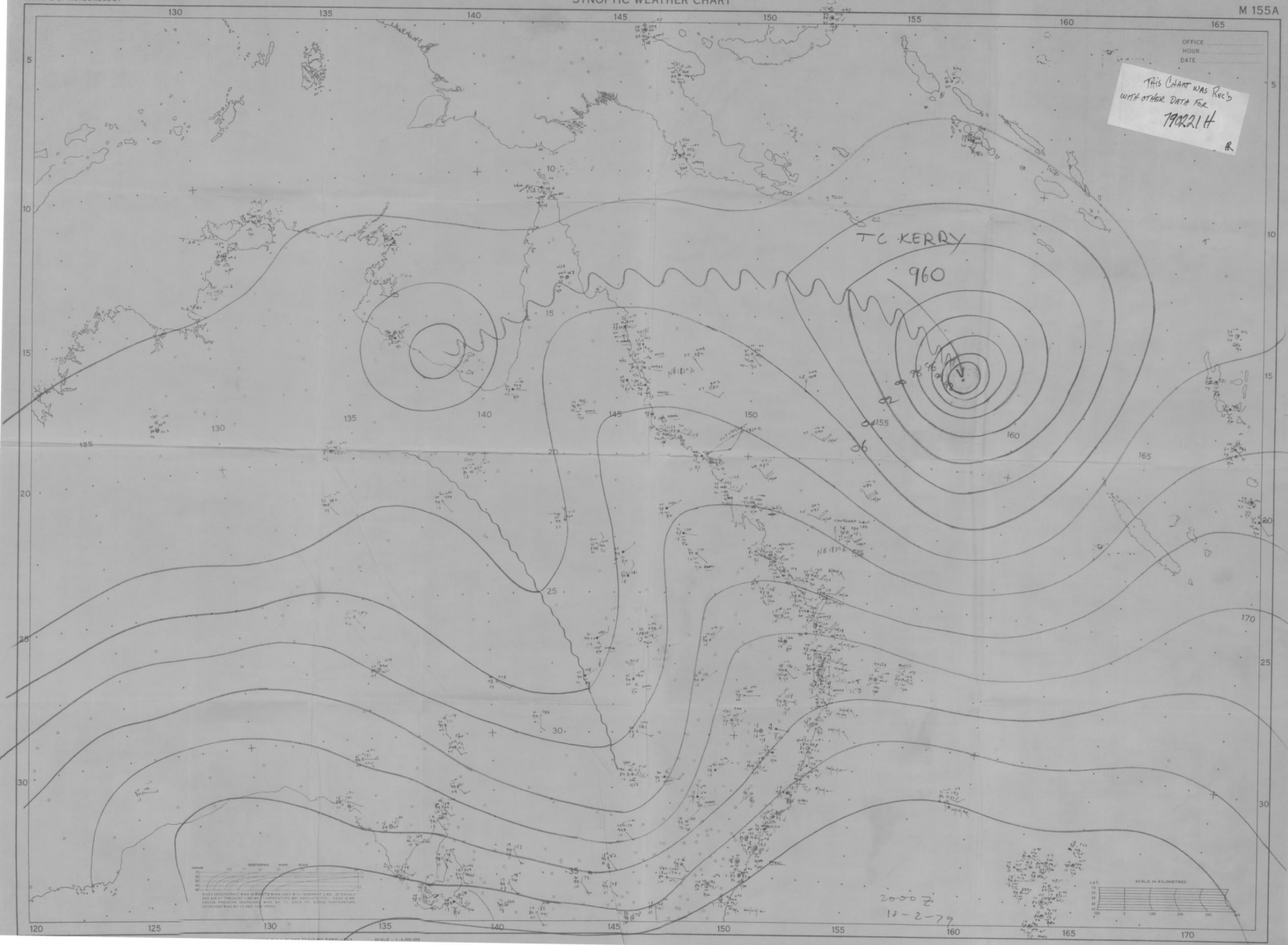
LONGITUDE (λ) _____

OBSERVER _____

NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA

OFFICE _____
NUMBER _____
DATE _____

THIS CHART WAS REC'D
WITH OTHER DATA FOR
MAR 21 H
R.



MC

12/73 09

175 153E

150

160

WT

TV

MK

RK

BNE

KERRY
(PACIFICO)