

19840901H1-LPS

Form E-1
Page 1 of 5

On-board Lead Project Scientist Checklist

DATE 01 SEP 84

AIRCRAFT N42RF

FLT 840901H1

A. Participants

Function	Participant	Function	Participant
Lead Proj. Sci.	<u>WILLOUGHBY</u>	Gust Probe	
Cloud Physics		Omegasonde	
AXBT/AXCP		Sys Eng	
Hot Film		Data Tech	<u>JARVIE</u>
Radar	<u>DODGE/DORST/KOHLER</u>	EI Tech	<u>BURLISS</u>
Flt Dir/Met	<u>PARRISH</u>	Other	

Take Off 01/1033 Location STU Landing 01/1909 Location STU

B. Past and Forecast Storm Position

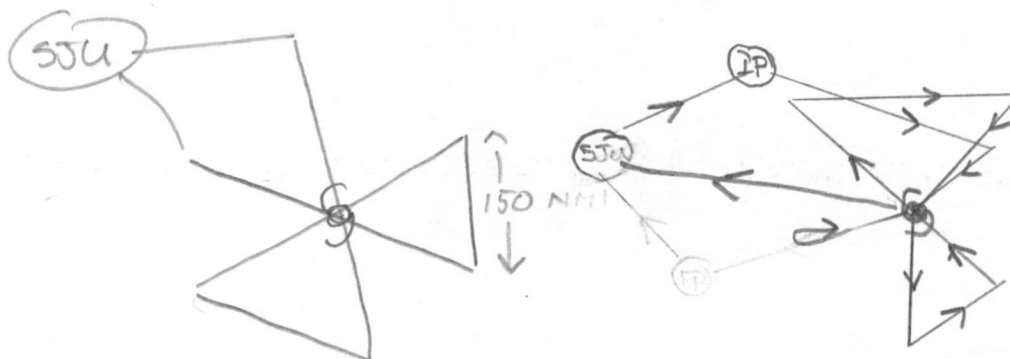
Date	Time	Latitude	Longitude	MSLP
FCST <u>01 SEP</u>	<u>1200Z</u>	<u>18N</u>	<u>59 1/2</u>	<u>1011</u>

C. Mission Briefing

FLY B-SIDED BUTTERFLY, GET 12 AND 18Z FIX

D. Equipment Status

Equipment	Pre Flt	In Flt	Post Flt	Reports Collected
Aircraft	↑	↑	↑	HT
Radar ⁽¹⁾	↑	↑	↑	HT
Cloud Physics	↑	↑	↑	
Data Sys	↑	↑	↑	
Omegasondes	↑	↑	↑	
AXBT/AXCP				
Gust Probe				
Hot Film				
Photography				

① RECORDING EVERY OTHER SCAN,
L.F. ONLYE. Proposed and Actual Flight Patterns (Identify by number and type - give reason for modification)

E.1 Lead Project Scientist (On-Board)

The on-board lead project scientists are responsible for carrying out the scientific mission of their assigned aircraft. (Check off and initial when completed.)

E.1.1 Preflight

- HE 1. Participate in general mission briefing.
- HE 2. Determine specific mission and flight requirements for assigned aircraft.
- HE 3. Determine from CARCAH or field program director whether aircraft has operational fix responsibility and discuss with OAO flight director/meteorologist and CARCAH, unless briefed otherwise by field program director.
- HE 4. Contact HRD members of crew to:
 - a. Assure availability for mission.
 - b. Arrange ground transportation schedule when deployed.
 - c. Determine equipment status.
- HE 5. Meet with OAO flight crew at least 90 minutes before takeoff, provide copies of flight requirements and provide a formal briefing for the flight director, navigator, and pilots.
- HE 6. Report status of aircraft, systems, necessary on-board supplies and crews to appropriate HRD operations center.

E.1.2 In-Flight

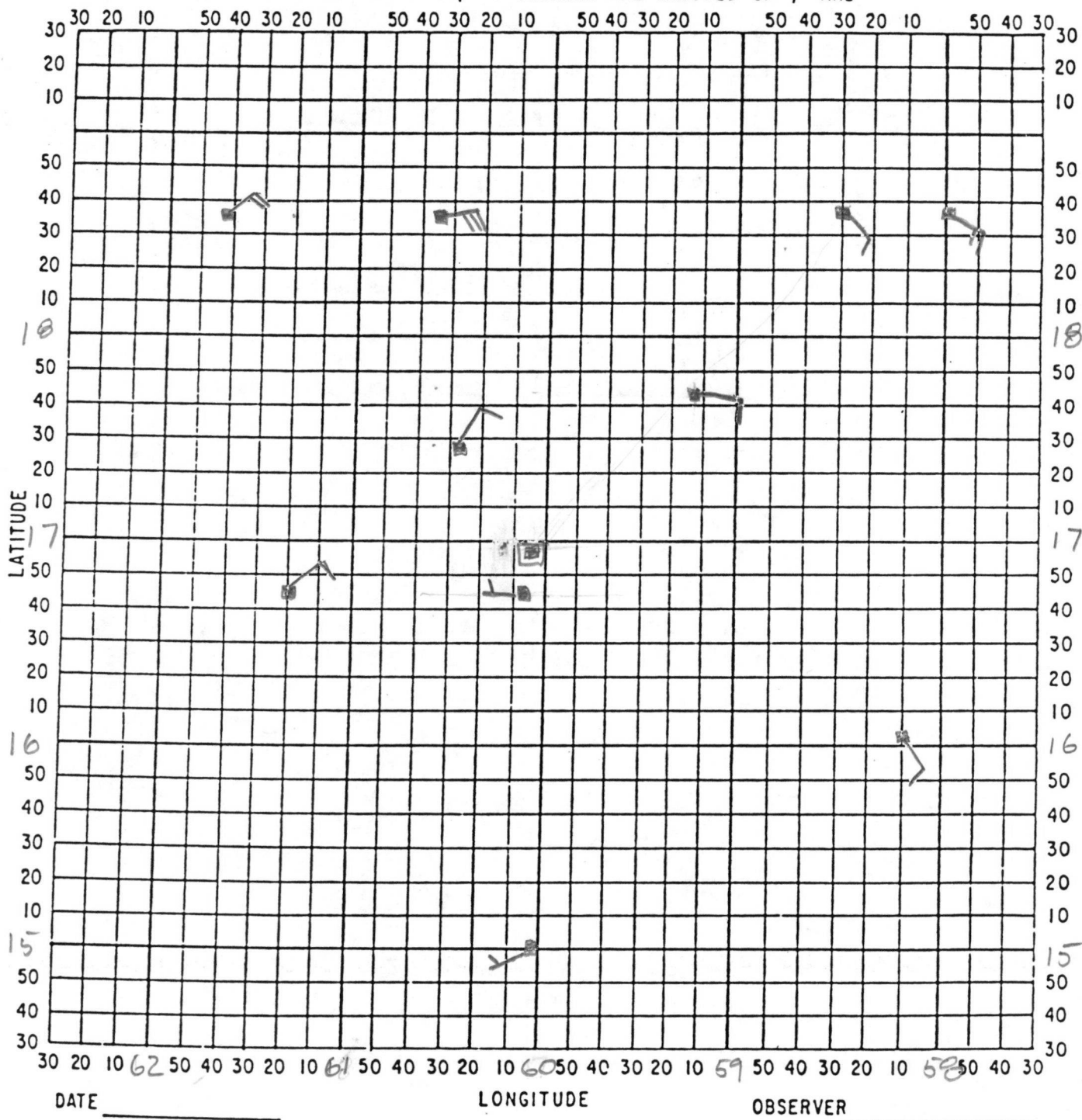
- HE 1. Confirm from OAO flight director/meteorologist that satellite data link is operative (information).
- HE 2. Confirm camera mode of operation.
- HE 3. Confirm data recording rate. 1-SEC
- HE 4. Complete form E-1.

E.1.3 Postflight

- FE 1. Debrief scientific crew.
- FE 2. Report landing time, aircraft, crew and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to HRD operations center.
- FE 3. Gather completed forms for mission and turn in at the operations center.
- FE 4. Determine next mission status, if any, and brief crews as necessary.
- FE 5. Notify operations center as to where you can be contacted and arrange for any further coordination required.

HURRICANE RECCO PLOTTING CHART

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



NOTE: Label full degrees according to location of flight area

DATE 01 SEP 84

FLIGHT 840901H

LPS WILLOUGHBY

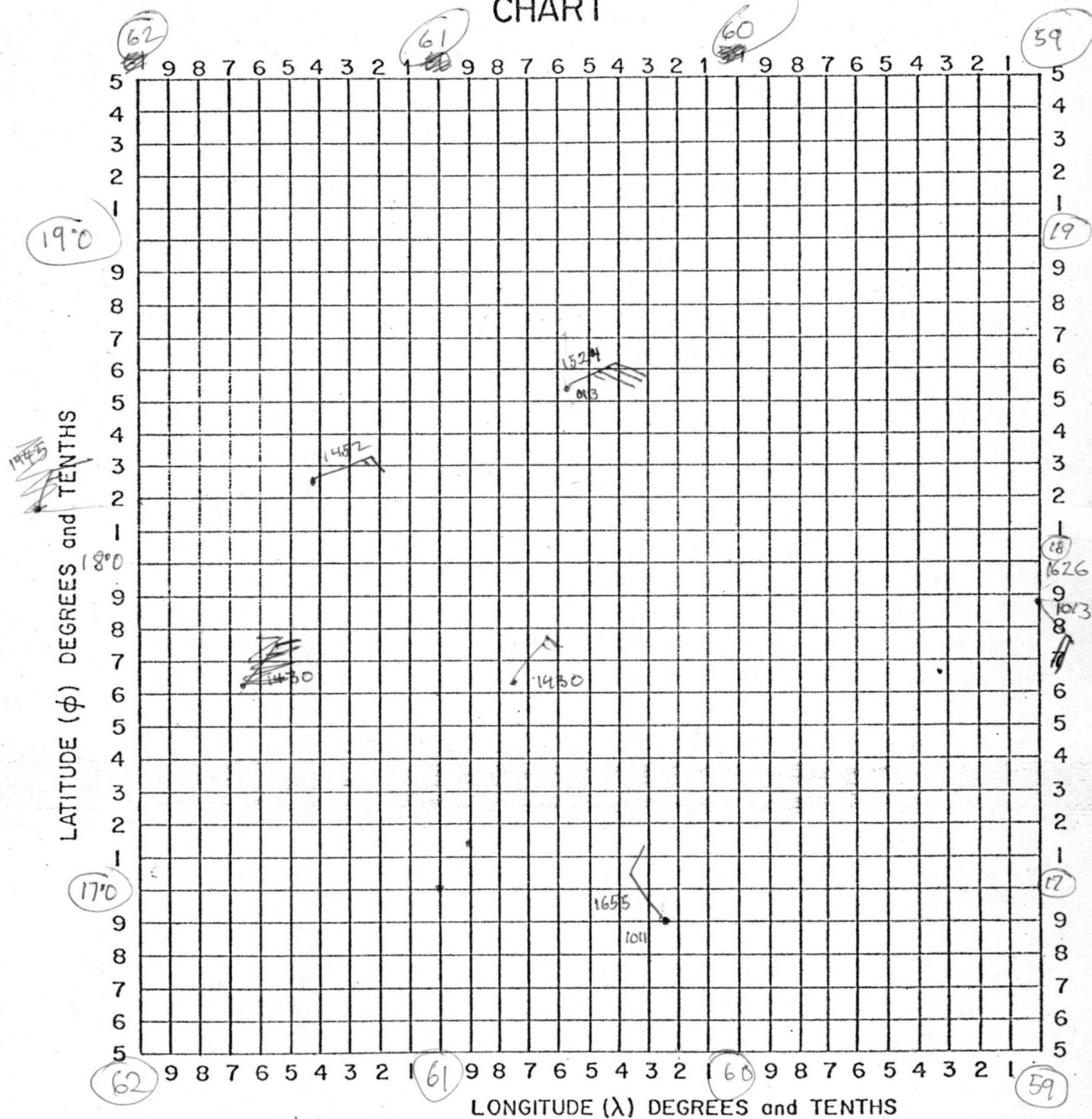
Lead Project Scientist Event Log

EVENT	TIME*	POSITION	COMMENTS**
TAKE OFF	01/1033Z	SJU	
	01/11Z		DISCOVERED WEAPONS AREA "ALFA" IS ACTIVE WHICH CUTS OFF NORTHERN LEGS
TROFF AXIS	1209Z	17.67N 59.19W	TURN TO 190 WIND 100°/11 M/S
CALM WIND	1229Z	16.98N 60.11W	CLOUD BASE DESCENDED FROM 1500' TO 500'
	1234Z	16.7514 60.1614	TRACKING 180 WINDS 270°/3.6 M/S
TURN TO 060	1306Z	14.82 60.17	TURN TO 060 WIND 248/4
TURN TO 295	1345Z	16.05 58.00	WIND 150/6.0
"CENTER"	1423	17.28 60.19	
TURN TO 090	1458	18.59 62.07	WIND 060 12.6 M/S
TURN TO 237	1607	18.52 57.98	TRACK 114 TO 6 WIND 126/7.9
6	1649	17.03 60.34	TRACK 250 FROM 6
TURN BACK TO 6	1716	16.52 62.00	TRACK 075 → 6 WIND 257/6
6	1745	17.26 60.20	CLIMB RTB 1010 SEP
LAND	1909	SJU	

*Log times of all significant altitude changes, turns, and eye fixes
**New altitude, heading, center position, etc.

Tropical Blues Arty Sept 184

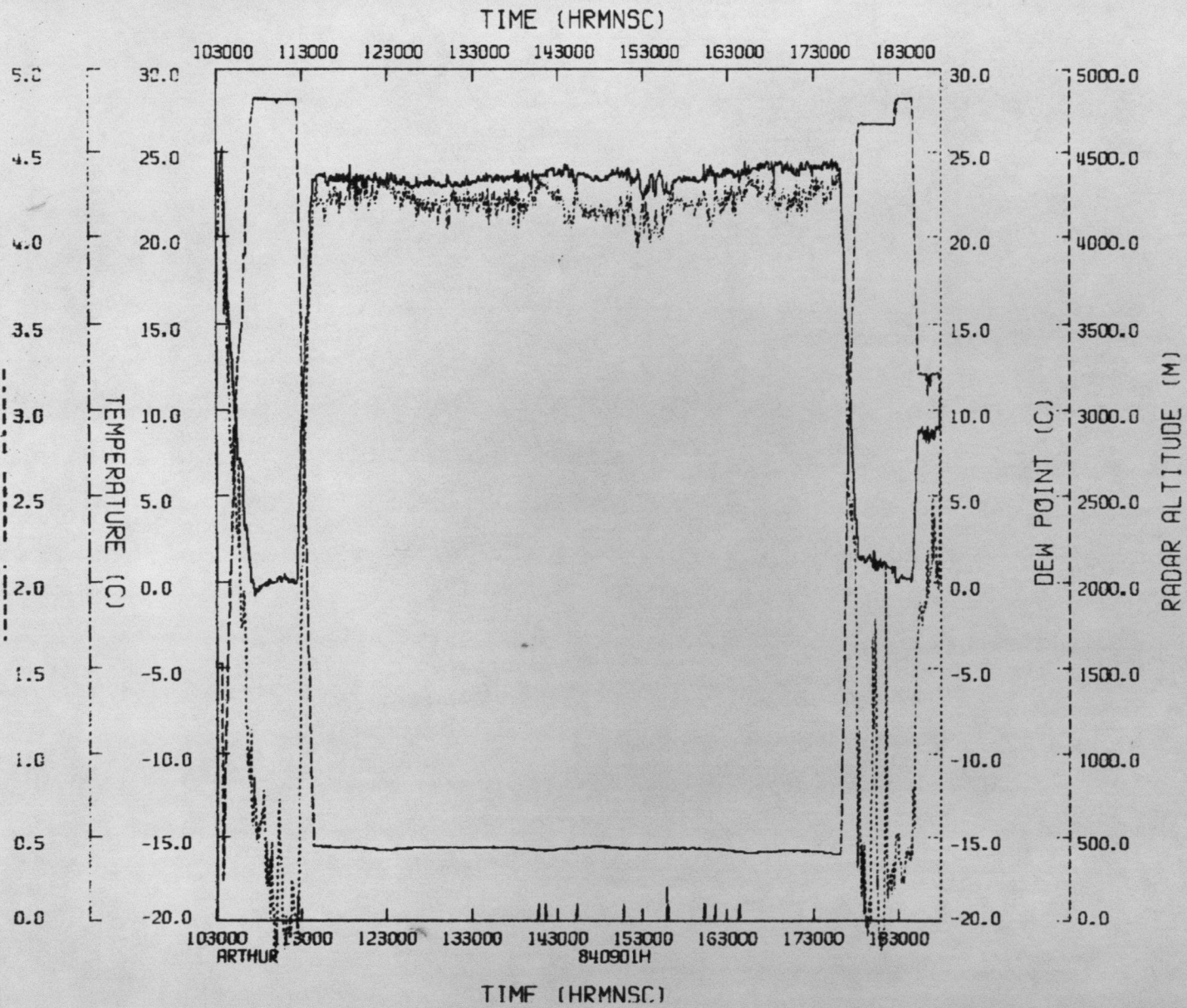
HURRICANE RECCO PLOTTING CHART



DATE Sept 184

OBSERVER Dodge et al

NOTE: Label full degrees according to location of flight area



TIME (HRMNSC)



