

19950919H1.LPS

Form E-2
Page 1 of 5

On-Board Lead Project Scientist Check List

Date 9/19/95 Aircraft 42RF Flight ID 950919H

A. Participants Marilyn

HRD

OAD

Function	Participant
Lead Proj. Sci.	<u>P. Black</u>
Cloud Physics	
Radar	<u>P. Dodge</u>
Doppler	
C-SCAT Photographer	<u>M. Black</u>
Omegasonde	
AXBT/AXCP	<u>J. Roles</u>

Function	Participant
Flight Director	<u>B. Damiano</u>
Pilots	<u>J. McKim / P. Kennedy</u>
Navigator	
Sys. Engr.	<u>J. Roles / T.</u>
Data Tech.	
El. Tech.	
Other	

Take-Off
1308Z

Location
MacDill

Landing

Location

B. Past and Forecast Storm Locations

Date/Time	Latitude	Longitude	MSLP	Max. Wind
<u>19/0930Z</u>	<u>30.3</u>	<u>68.4</u>	<u>970</u>	
<u>1500 est</u>	<u>31.5</u>	<u>68.3</u>		

C. Mission Briefing

drift buoy no 14271, 14276, 14274
off 1-hr late

E.2 Lead Project Scientist (On-Board)

E.2.1 Preflight

- _____ 1. Participate in general mission briefing.
- _____ 2. Determine specific mission and flight requirements for assigned aircraft.
- _____ 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.
- _____ 4. Contact HRD members of crew to:
 - a. Assure availability for mission.
 - b. Arrange ground transportation schedule when deployed.
 - c. Determine equipment status.
- _____ 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.
- _____ 6. Report status of aircraft, systems, necessary on-board supplies and crews to appropriate HRD operations center (MGOC in Miami or FGOC at remote recovery location).

E.2.2 In-Flight

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

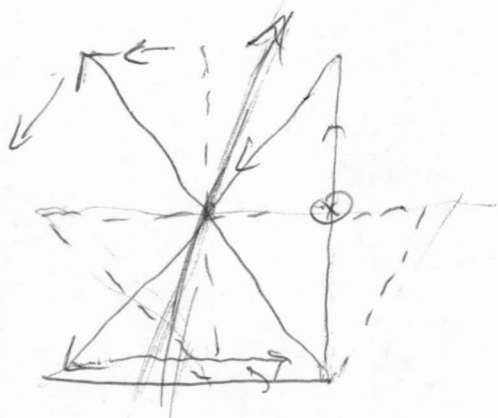
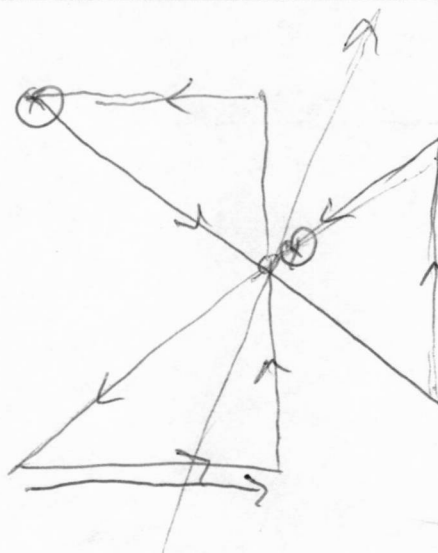
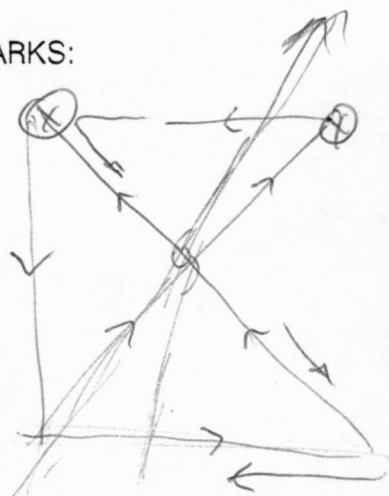
E.2.3 Postflight

- _____ 1. Debrief scientific crew.
- _____ 2. Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to the appropriate HRD operations center (MGOC or FGOC).
- _____ 3. Gather completed forms for mission and turn in at the appropriate operations center. [Note: all data removed from the aircraft by HRD personnel should be cleared with the OAO flight director.]
- _____ 4. Obtain a copy of the 10-s flight listing from the OAO flight director. Turn in with completed forms.
- _____ 5. Determine next mission status, if any, and brief crews as necessary.
- _____ 6. Notify the appropriate operations center (FGOC or MGOC) as to where you can be contacted and arrange for any further coordination required.

D. Equipment Status

<u>Equipment</u>	<u>Pre-Flight</u>	<u>In-Flight</u>	<u>Post-Flight</u>
Aircraft	_____	_____	_____
Radar	_____	_____	_____
Cloud physics	_____	_____	_____
Data system	_____	_____	_____
Omegasondes	_____	_____	_____
AXBT/AXCP	_____	_____	_____
Doppler	_____	_____	_____
Photography	_____	_____	_____

REMARKS:



E. I. Proposed Flight Pattern (sketch or designate by number)

E. II. Actual Flight Pattern

Lead Project Scientist Event Log

Date 950919H Flight _____ LPS 1 Black

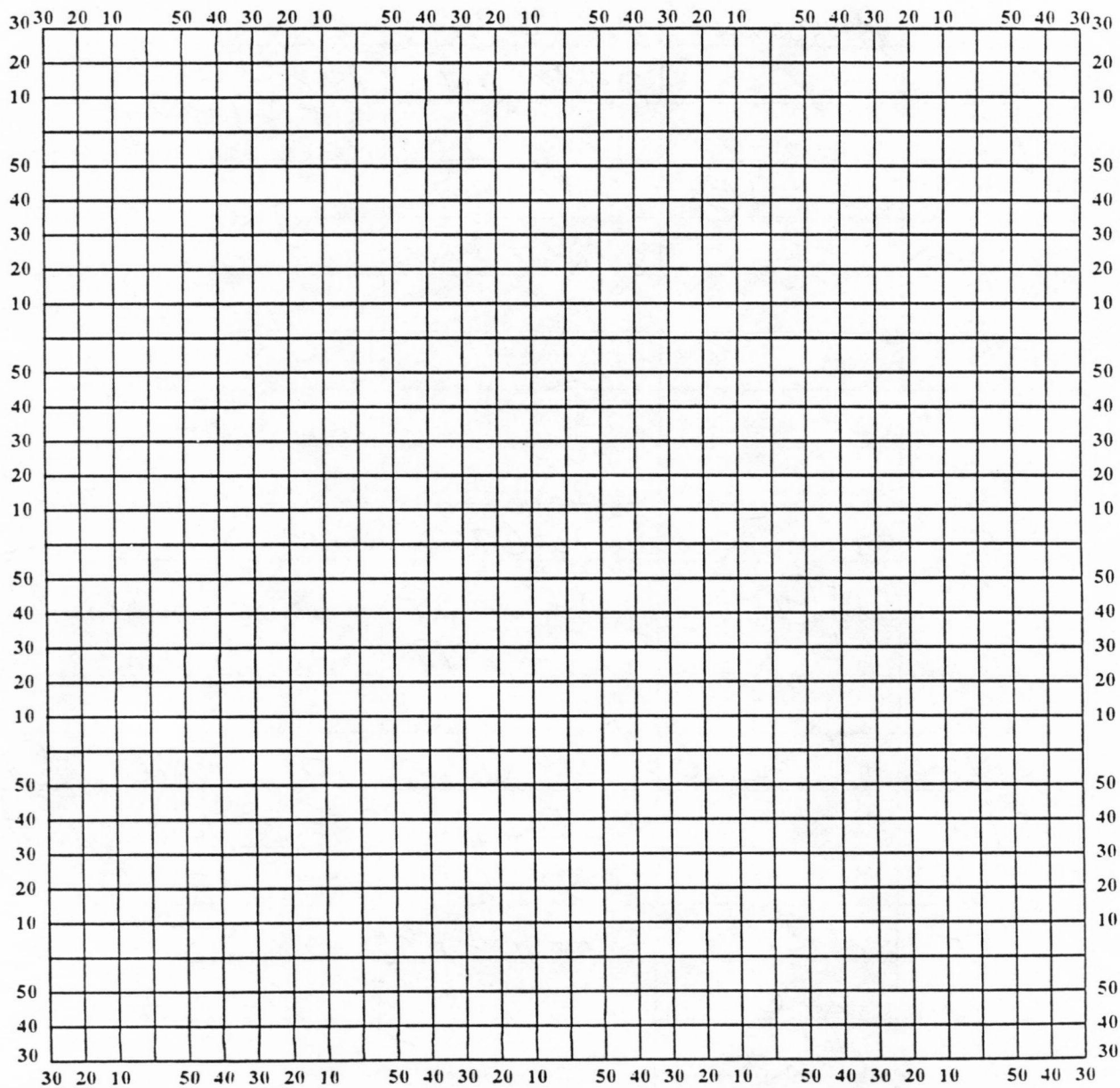
FL = 1500m RA $\approx$ const

Time	Event	Position	Comments
1530	at 1500m pt ①	2934 7010	
1547		2936 6840	edge of cold SST water
1603			SST 27.0 $\rightarrow$ 24.8
1614	turn at pt ②	2936 6631	strong band 500mi to E
1632		3035 6715	comma-shaped from eye
			thin fine Cy on radar, vis
			maybe outflow boundary
1634			pitch 2.2 deg CS CAT
			shows max prelast only
			WD doesn't show
1704	eye center	3220 6750	RMAX = 60 mm MIN = 974
1723	pt ④	3324 6835	60 mi: NNW center
1739	pt ⑤	3225 6817	over WSD, head to eye
1800	eye	3231 6744	
1818	clear seabed	3158 6625	17 sea state photos 85-90kt
1810		3235.4 6747	AF 10K ft center 974MB
1824		3152 6601	turn pt ⑥
1844	pt ④	3324 6832 AF	60 mi: S of center = 90kt
1903	eye	3245 6742	975 MB
1947	dim	3115 7005	

Hurricane Recco Plotting Chart

True at 25° Latitude, in Degrees and Minutes of ϕ and λ .

Date _____ Longitude _____ Observer _____



Note: Label full degrees according to location of flight area.

True at 25° Latitude, in Degrees and Minutes of ϕ and λ .

[illegible]

Jerry Selfert
Kings AR pilot

$$\begin{array}{r} 275 \\ 115 \\ \hline 1500 \\ 1500 \\ \hline 7500 \\ 15000 \\ \hline \end{array}$$

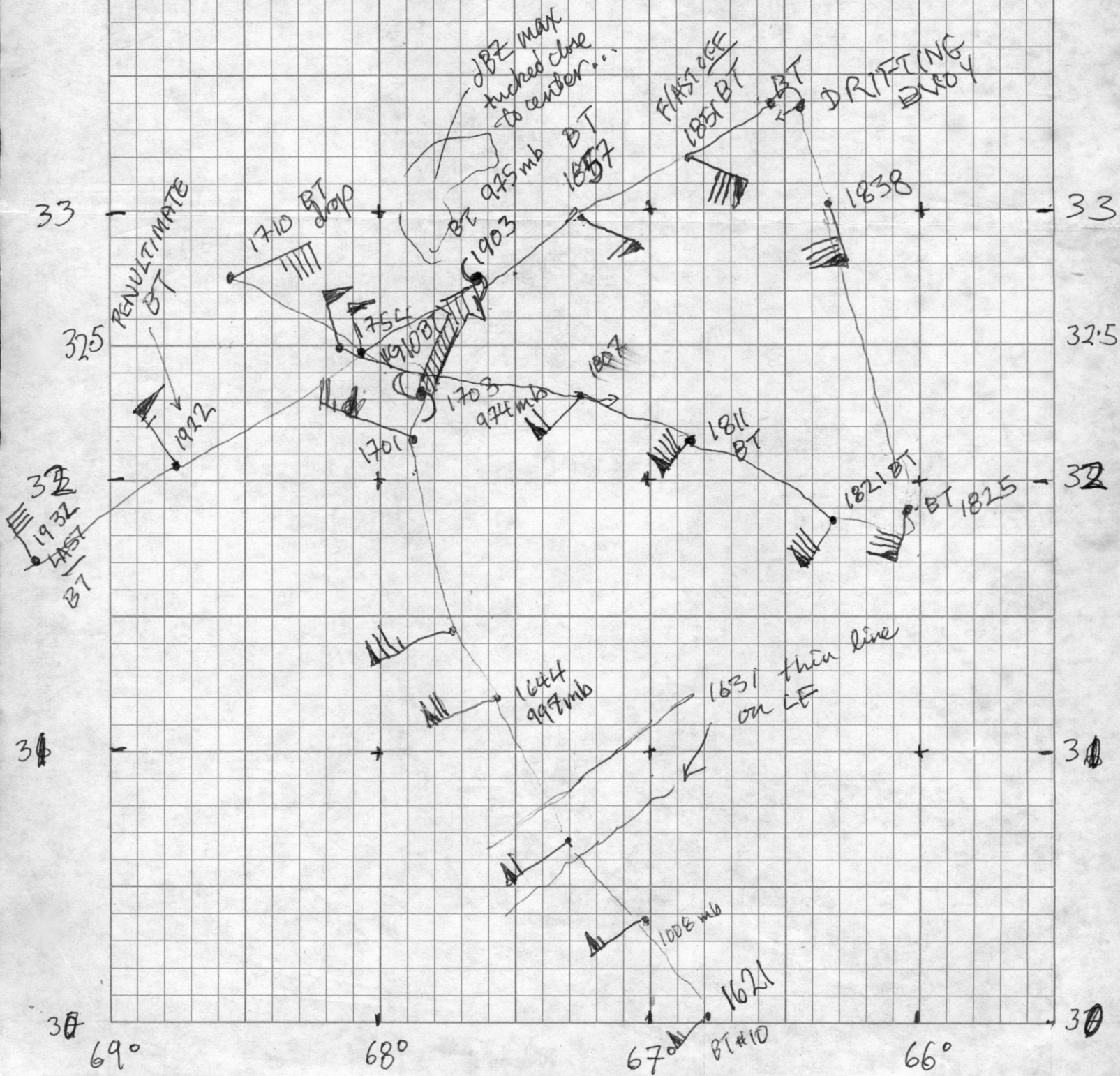
Lead Project Scientist Event Log

Date _____ Flight _____ LPS _____

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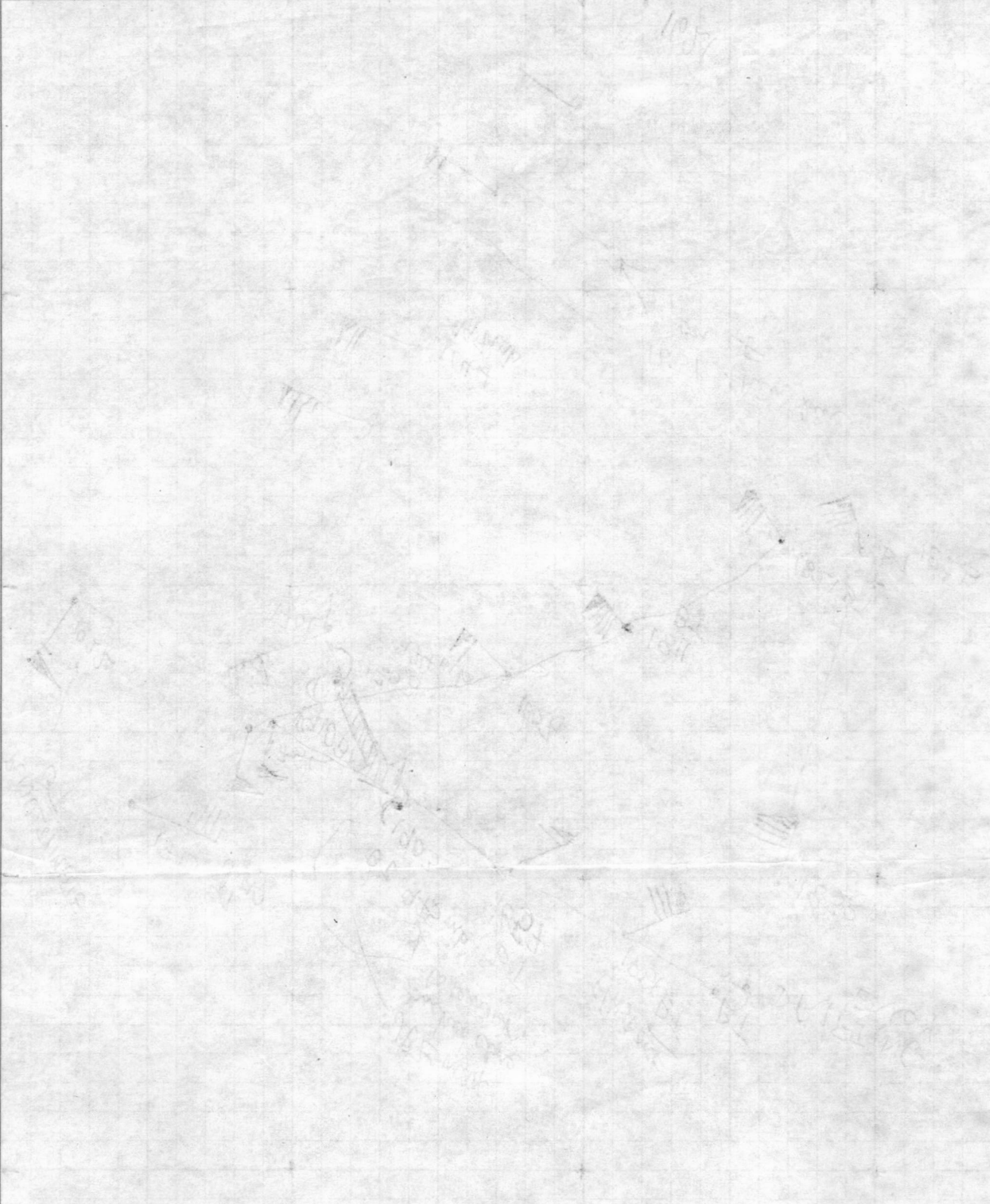
6 MARILYN
95091941

AXBT / DRIFTING BUOYS
LEAN MEAT EXPERIMENT



SEP 25 1994

42.381 50 SHEETS 5 SQUARE
42.382 100 SHEETS 5 SQUARE
42.389 200 SHEETS 5 SQUARE
MADE IN U.S.A.



PERMANENT EXPOSURE
VXPL/DISSECTING EOCAS

020010115
@ WABITAM