19950904HI_LPS

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 AOC 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 AOC 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 AOC flight director 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 AOC flight director.]

_____ 4. Obtain a copy of the 10-s flight listing from the AOC 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.

29 Yankee Tacan
Radio 122.925

On-Board Lead Project Scientist Check List

Date Sept. 4, 1995 Aircraft NOAA Flight ID 950904H1

A. Participants

HRD		OAO	
Function	Participant	Function	Participant
Lead Proj. Sci.	Gamache	Flight Director	Parrish
Cloud Physics		Pilots	Ticknor, Kennedy
Radar	P. Dodge M. Black	Navigator	Rathman
Workstation		Sys. Engr.	Goldstein, Rokes
Photographer		Data Tech.	Barr, Gonzalez
Omegasonde		El. Tech.	
AXBT/AXCP	C-Scat P. Black	Other	Rolc, Steve Wade

Visitors W-C Lee, E. Richey

Take-Off	Location	Landing	Location
Barbados	2132 Z	0444 Z	BARBADOS

B. Past and Forecast Storm Locations

Date/Time	Latitude	Longitude	MSLP	Max. Wind

C. Mission Briefing

30°C 24°C TD 230/14 kts

D. Equipment Status

Equipment	Pre-Flight	In-Flight	Post-Flight
Aircraft			
Radar/LF			
Radar/TA (Doppler)			
Cloud physics			
Data system			
Omegasondes			
AXBT/AXCP			
Workstation			
Photography			

REMARKS:

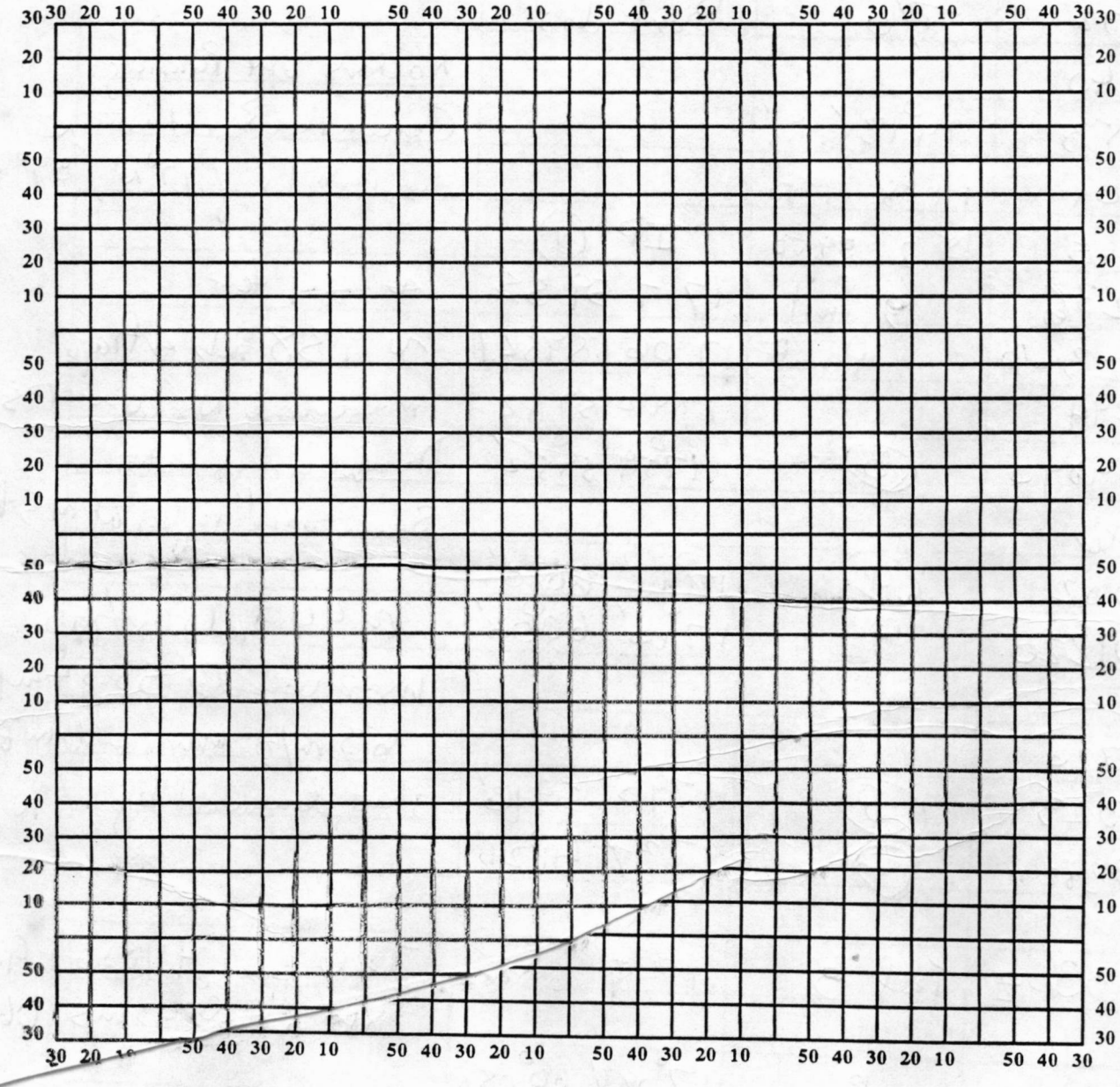
E. I. Proposed Flight Pattern (sketch or designate by number)

E. II. Actual Flight Pattern

Hurricane Recco Plotting Chart

True at 25° Latitude, in Degrees and Minutes

Date _____ Aircraft _____ Observer _____



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

Lead Project Scientist Event Log

Date Sept 4, 1995 Flight 950904H1 LPS Gamache

Time	Event	Position	Comments
2132	T/O	Barbados	
2140			Radars Up & Running
2153	14°13', 59°53'		Connecting Bowl Passage
2204	1458 5950		Using radar fix of 17°10', 59°48' W
2205	152 5950	IP (1)	
2236	9 init	17 7 59 53	≈ < 1 kt
223658	final	17 06.1 5952.7	~ 938 mb extrap
2244		1742 5952	max winds N side ~ 135 kts
224840	(3)	17°59' 59°52'	Downwind leg tests
226			Seeing some reflect at 15 km
2302	(4)	17°11' 60°06'	
231220	9	17°10' 60°03'	~ 940 mb extrap
			max winds 53-54 m/s on W side
2320			63 m/s max winds on E side
2323	(5)	1790' 59°16'	short downwind leg
232829	(6)	17°37' 59°21'	~ 13 km top on this side
23307	Teal 9	17°07' 60°07'	Teals fix at 10,000 ft 939 mb extrap
			max winds 63 m/s 060° side
234110	9	17°09.9' 60°08.8'	
2341			this peak of 61 m/s 240° side

2/

Lead Project Scientist Event Log

Date Sept 4, 1995 Flight 950904H1 LPS Comache

Time	Event	Position	Comments
235230	7	16°45' 60°50'	track 105 downwind leg
0530	8	16°26' 59°43'	inbound track 330°
001500			53 m/s max on 150° side
001	CPA	17°11 60°9	CPA 3 min of left wing
001720	6	17°11.1 60°11.7'	20 kts lowest at CPA ~943-944 mb extrap
002326			15 km tops 330° side max wind ~66 m/s
	9	17°49' 60°36	track 145° downwind leg
003128	10	16°49' 61°00'	inbound on 060°
005027	CPA	17°8' 60°18'	
005030	6	17°08.7 60°18.4'	good fix ~940 mb extrap
005700			57 m/s max of 060° side
010026	11	17°30' 59°40'	turn to 285°
011248	12	17°52' 60°49'	inbound on 150°
012715	6	17°04.1 60°22.6	max wind of 330° 62 m/s ~937 mb
	6	17°04.1 60°22.9	~51-52 m/s max 150° side double pass min on last pass
013728	13	16°29 59°59	track downwind leg
014130	14	16°43' 59°42'	track inbound 300°
015406	6	17°9.3 60°29.6'	min sfc p of 943 mb
			~52-53 m/s max of 300° side
020446		17°29' 61°11'	downwind leg track 165°
021610	15	1631 61°0'	inbound @ 30°

430 had tailfin on outbound vertical 10-11

16 JF

Lead Project Scientist Event Log

Date Sept 4, 1995 Flight 950904H1 LPS Gamache

Time	Event	Position	Comments
021900			may have lost some data
			on radar how much we
			don't know
022743	CPA	17 7 60 34	left 2 miles
022730	6	17°06.3' 60°36.5'	65 m/s max on 030° side
023828	17		track 255 downwind
024846	18 C	17°30' 61°9.6'	inbound track 120°
025850	CPA	17 9 60 32	left side 2 miles ~~940 mb~~ 938.5 mb
025845	6	17°11 60°32.9'	59 m/s 300° / 53 m/s 120° side
031028	19	16°48' 59°51'	track 345°
032200	20	17°54' 60°10'	track 210° inbound
			max winds 030° side ~~55~~ 58 m/s
0335	CPA	17 10 60 40	right side 2 miles
033530	6	17°10.8' 60°41.3'	Some overhang above us this time
			max winds SW side
			55 m/s
0341	FP	16° 28' 61°5'	end of pattern
0348	6 Teal	17°07' 60°48.7'	
044440	Barbados	Landing	

Lead Project Scientist Event Log

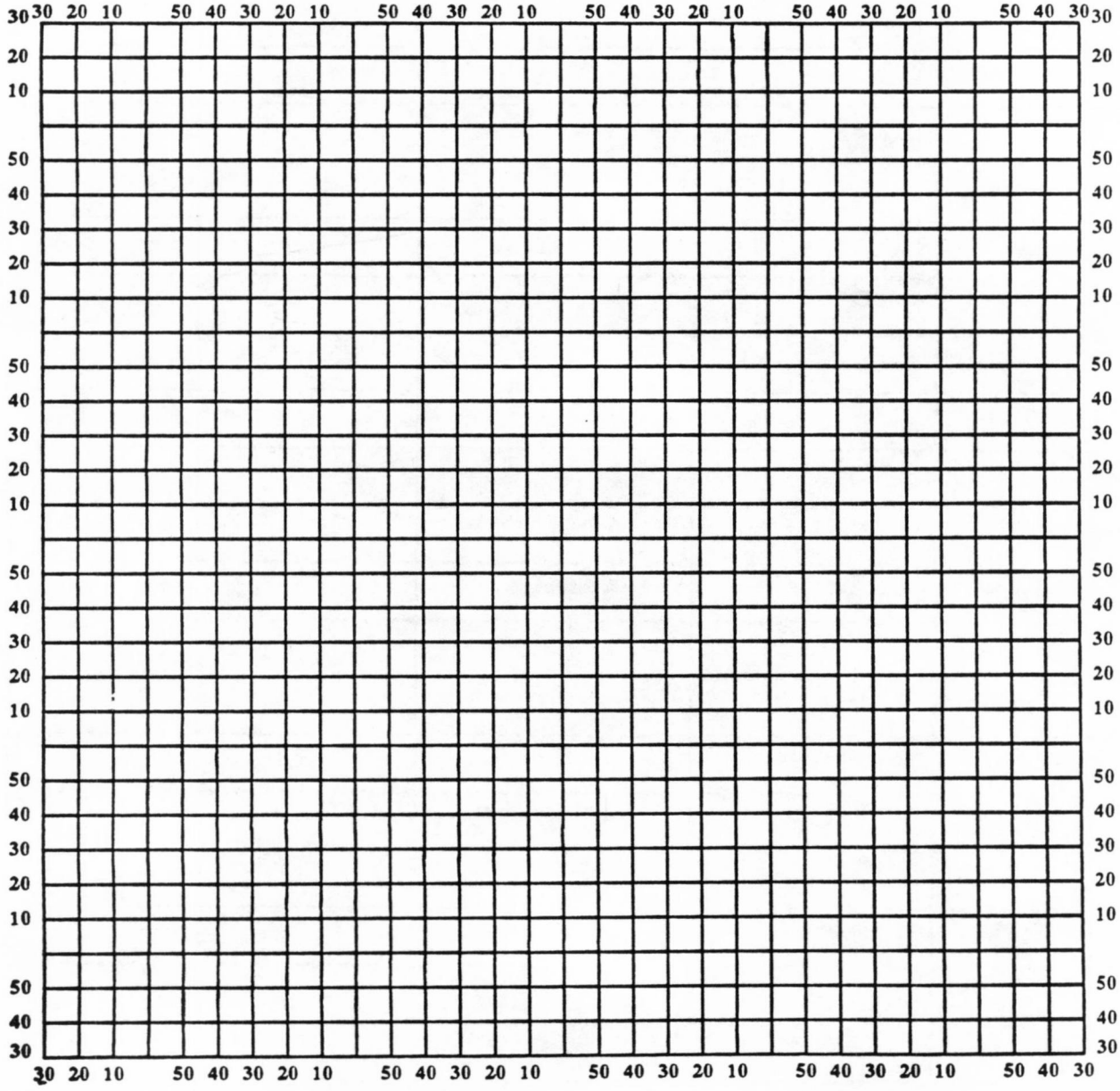
Date _____ Flight _____ LPS _____

Time	Event	Position	Comments

Hurricane Recco Plotting Chart

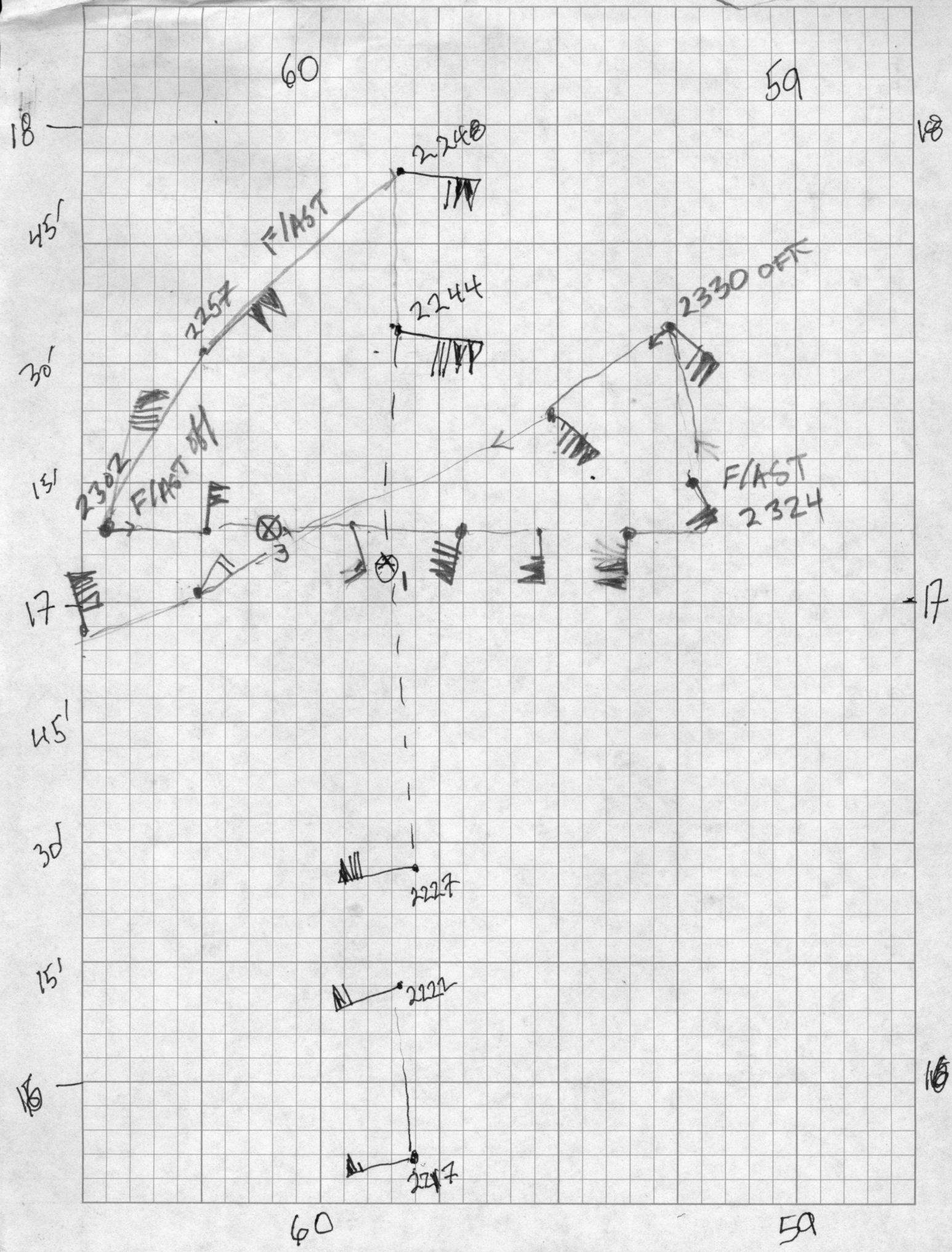
True at 25° Latitude, in Degrees and Minutes

Date _____ Aircraft _____ Observer _____



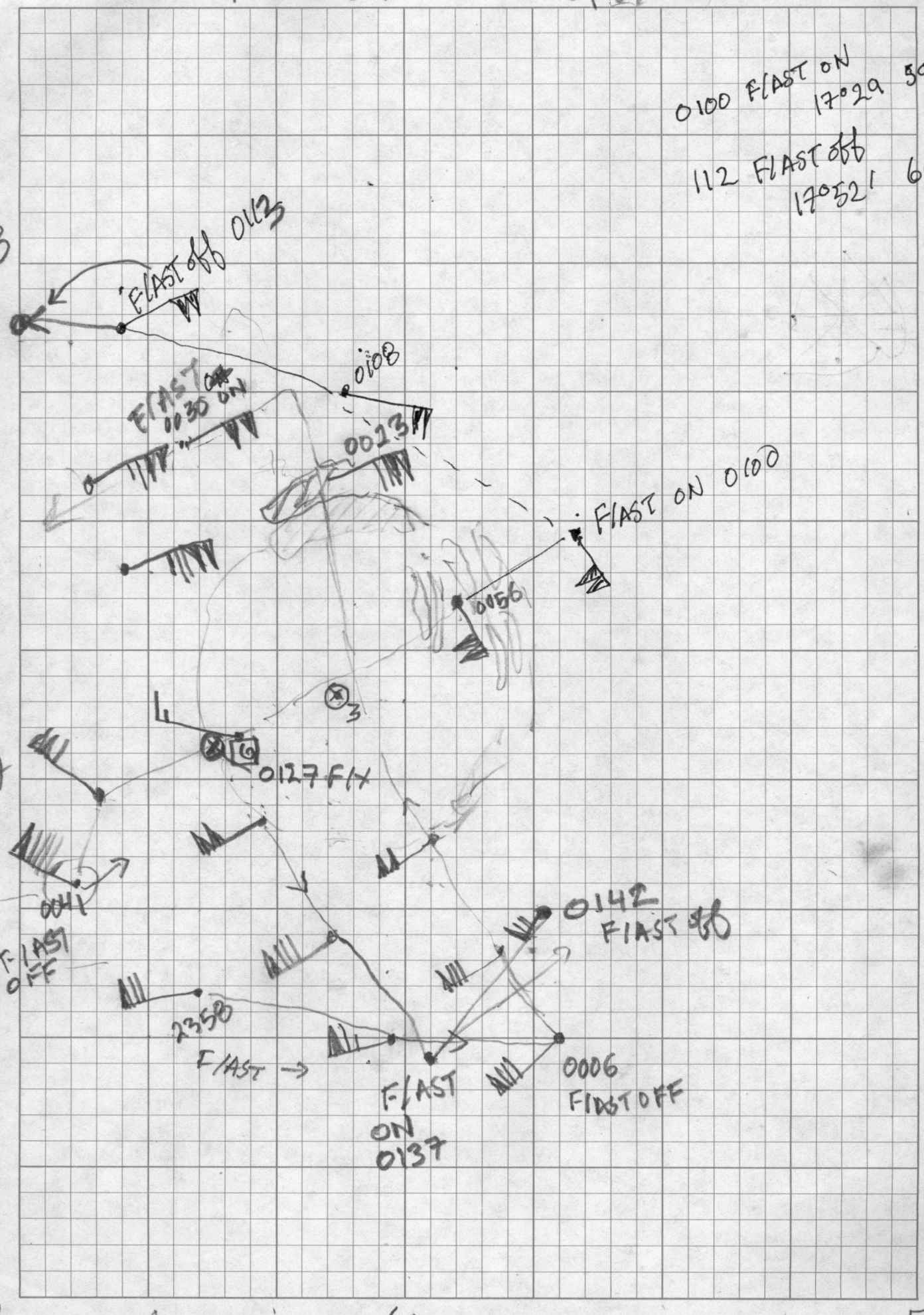
Note: Label full degrees according to location of flight area.

LOIS #1


60
59
18
18
45'
30'
15'
17
17
45'
30'
15'
16
16
2248
FIAST
2257
2244
2330 OFF
FIAST OFF
2302
FIAST
2324
3
1
2227
2222
2217
60
59

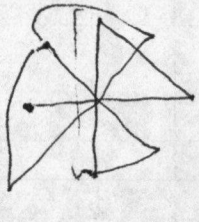
National® Brand
42-381 50 SHEETS EYE-EASE® 5 SQUARE
42-382 100 SHEETS EYE-EASE® 5 SQUARE
42-389 200 SHEETS EYE-EASE® 5 SQUARE
42-392 100 RECYCLED WHITE 5 SQUARE
42-399 200 RECYCLED WHITE 5 SQUARE
Made in U. S. A.

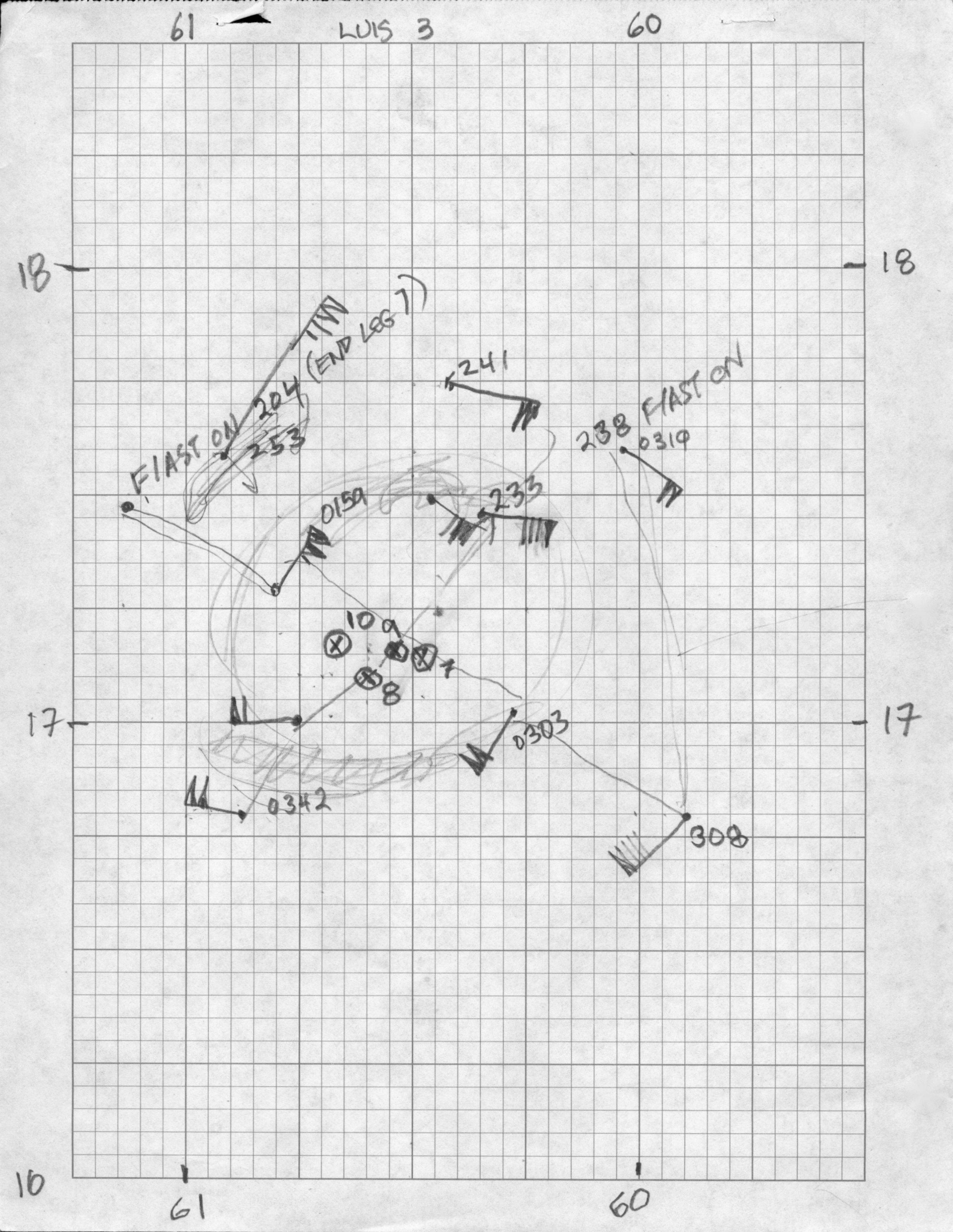
LOIS 2 4-5 Sept.



National® Brand

42-381 50 SHEETS EYE-EASE® 5 SQUARE
42-382 100 SHEETS EYE-EASE® 5 SQUARE
42-389 200 SHEETS EYE-EASE® 5 SQUARE
42-392 100 RECYCLED WHITE 5 SQUARE
42-399 200 RECYCLED WHITE 5 SQUARE
Made in U. S. A.




61
LUIS 3
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18
17
17
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61
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204 (END LEG 7)
FIAST ON
253
241
238 FIAST ON
0319
0159
233
10
9
7
8
0303
0342
308

National® Brand

42-381 50 SHEETS EYE-EASE® 5 SQUARE
42-382 100 SHEETS EYE-EASE® 5 SQUARE
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