

19730921FI.LPS

730921F 731211
731212

150800 - 184200

20800'

184800 - 200230

mostly flo 5K

201800 - 222330

20800'

Wuf max: 171600 104/36

min: 171730 229/3

Act +35.2 +17.9
-0.2 +0.2
-35.4 -17.7

max: 172240 286/75

max: 175410 322/66

min: 175710 121/8

+30.7 +23.4
+0.4 -0.4
-30.3 -23.8

max: 180030 187/71

max: 182510 214/63

min: 182650 284/12

+24.4 +18.4
-1.0 +0.1
-25.4 -18.3

max: 182940 013/79

max: 192930 309/87

min: 193320 353/9

-1.5	+3.1
-0.1	+0.5
+1.4	-2.6

max: 193650 016/104

NAV'A

731211

731212

1437360✓

0

0

(49)

(61)

(70)

(16)

(35)

(44)

NNV 720921FI 1514000✓INTERN

-3.4

-8.5

154545✓

-11.9

-14.8

161500✓

-18.5

-30.0

165423✓

~~-29.0~~~~-34.2~~

-31.4

1717³⁰58✓~~-35.4~~~~-38.0~~

-17.7

~~-17.6~~

175710

~~-30.3~~~~-23.8~~

174129✓

~~-38.6~~~~-20.1~~~~181051~~~~-31.4~~~~-26.2~~~~181510~~~~-30.5~~~~-25.0~~

182650✓

~~-25.4~~~~-18.3~~~~182750~~~~-24.4~~~~-23.4~~~~191500~~~~-28.3~~~~-29.6~~

193320✓

~~-21.9~~~~-35.5~~~~193242~~~~-23.3~~~~-32.9~~

211500

-14.7

-33.0

224411

-9.1

-19.4

731213 N.C. curve
TOTAL N.C.

730921 F1 731213 APN 59

171349 +9.9 +14.1	+0.9 +40.0	-34.3 (1.235) -9.0 +25.9 -43.3	-20.0 +32.0 +12.0
171510 +6.3 +10.4	+20.3 +22.0	-34.5 +14.0 +11.6 -20.5	-19.0 +14.3 -4.7
171850 -3.9 -0.4	0 0	-35.2 (1.23) +3.9 +0.4 -31.3	-17.9 +0.5 -17.4
174455 -44.5 -14.0	-88.6 -28.1	-31.9 -44.1 -14.1 -76.0?	-21.9 -17.3 -39.2
174907 -30.0 -6.2	-58.5 -13.4	-31.4 -28.5 -7.2 -59.9?	-22.6 -8.9 -31.5
175018 -25.6 -4.4	-49.4 -7.5	-31.2 -23.8 -3.1 -55.0	-22.8 -3.8 -26.6
175140 -20.2 -2.8	-39.2 -7.8	-31.0 -19.0 -5.0 -50.0	-22.9 -6.2 -29.1
175449 -7.9 +0.9	-9.8 +1.9	-30.6 -1.9 +1.0 -32.5	-23.4 +1.2 -22.2
181901 +4.3 -28.7	+9.2 -59.3	-26.7 (1.235) +5.1 -30.6 -21.6	-19.8 -37.8 -57.6?
182022 +2.4 -23.5	+4.8 -49.8	-26.6 +2.4 -26.3 -24.2	-19.5 -32.5 -52.0
182242 +0.1 -13.7	-0.2 -20.0	-26.1 -0.3 -6.3 -26.4	-19.1 -7.8 -26.9
182642 -0.9 +3.0	0 0	-25.5 +0.9 -3.0 -24.6	-18.3 -3.7 -22.0
193120 -3.9 -2.0	0 0	-22.0 (1.24) +3.9 +2.0 +2.5	-35.0 +2.5

#2429 175418+31 175449 10.0 333.0 +38.0 (079.0) +22.6 +19.9
011.0 -9.8 +1.9
-32.4 -18.0

#2573 181827+34 181901 60.0 236.2 +25.0 (008.8) +31.0 -12.7
261.2 +9.2 -59.3
-21.8 -48.6

#2581 181948+34 182022 50.0 244.5 +20.0 (005.5) +28.9 -7.6
264.5 +4.8 -49.8
-24.1 -48.2

#2595 182207+35 182242 20.0 241.7 +29.0 (000.7) +26.2 +1.5
270.7 -0.2 -20.0
-26.4 -28.5

#2619 182607+35 182642 0 267.6 NA NA +24.4 +17.9
0 0
-24.4 -17.9

#3001 193037+43 193120 0 326.6 NA NA NO HE
0 0
(maybe a ltl left of center)

730921F1

HRZ-LA

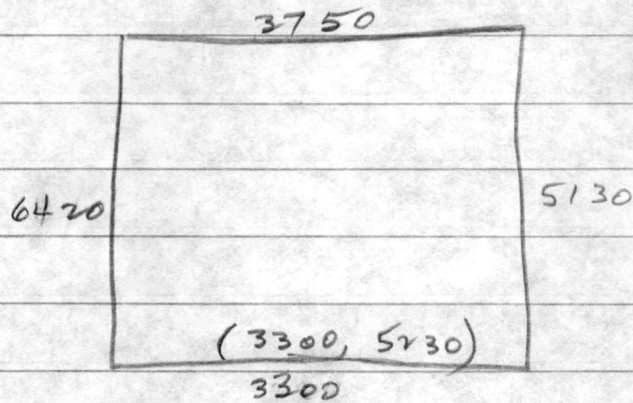
Disk 2 = E6191

150530

2130

~~1438000~~ - ~~2244000~~

10/inch



5:30
60
300
30
330

60/290
4150

730921F1

TAS

Disk 2 = E6191

FLIGHT 730921F1

21K

730921F1

(16)

1653200

(26)

(30)

1657000

(40)

(49)

NO

1735000

1739500 15

1755200 20 1802000

1809500

1816500

15H

191210 15 191520 25

END

730921F1 Make ϕ + Mean CVT = M0482
 ϕ = E6175

FLIGHT 730921F1 (21) 201
11437360 M0482
(44) E6175 (67) BLOCKED

LISTACTIONS= (21) CONVERT (31) NOLIST (41) EDIT2 (51) DBAR (61) REFLVL (71) MEAN

MEAN (7) 730921F1 (24) VTCQN (37) -0.2

COMPARE (16) 1400000
TIME
NoTime OCQN

NNV730921F1 MEAN (18) 1652500 (27) TO (31) 1653500
1656300 1657300
1734300 1735300
1739350 1740050
1755000 1755400
1801300 1802300
1809200 1810200
1816200 1817200
1911550 1912250
1914550 1915450
END

TIME/MILEAGE ESTIMATES FOR 41C:
AIR-SEA INTERACTION FLIGHT

<u>LEG</u>	<u>TIME</u>	<u>DISTANCE</u>
ABCDEOF	75 min.	185 m. mi.
FG	40 min.	110 m. mi.
GHIJKOL	65 min.	155 m. mi.
LM	10 min.	40 m. mi.
MON	40 min.	120 m. mi.
NPQO	25 min.	80 m. mi.
OR	35 min.	100 m. mi.
TOTAL	5 hrs.	
OPTIONS:		
LS	15 min.	40 mi.
ST	35 min.	100 m. mi.
TU	40 min.	110 m. mi.

AIR-SEA FLIGHT PLAN - EXPLANATION

1. BC, HI at zero drift in region of 70 kt. winds
2. DE, JK, PQ at zero drift in region of 100 kt. winds or highest wind possible
3. All zero drift legs should be flown outside rainbands.
4. OR will be flown at 1000 ft. near the center, descending to 500 ft. beyond the radius of 70 kt. winds.
5. Flight options:
 1. A-B-C-D-E-O-F-G-H-I-J-K-O-L-M-O-N-P-Q-O-R
 2. A-B-C-D-E-O-F-G-H-I-J-K-O-N-P-Q-O-R
 3. A-B-C-D-E-O-F-G-H-I-J-K-O-L-M-O-R
 4. A-B-C-D-E-O-F-G-H-I-J-K-O-R
 5. A-B-C-D-E-O-F-G-H-I-J-K-O-L-M-O-N
 6. A-B-C-D-E-O-F-G-H-I-J-K-O-N
 7. A-B-C-D-E-O-R
 8. A-B-C-D-E-O-F-G-H-I-J-K-O-E-L-S-T-U

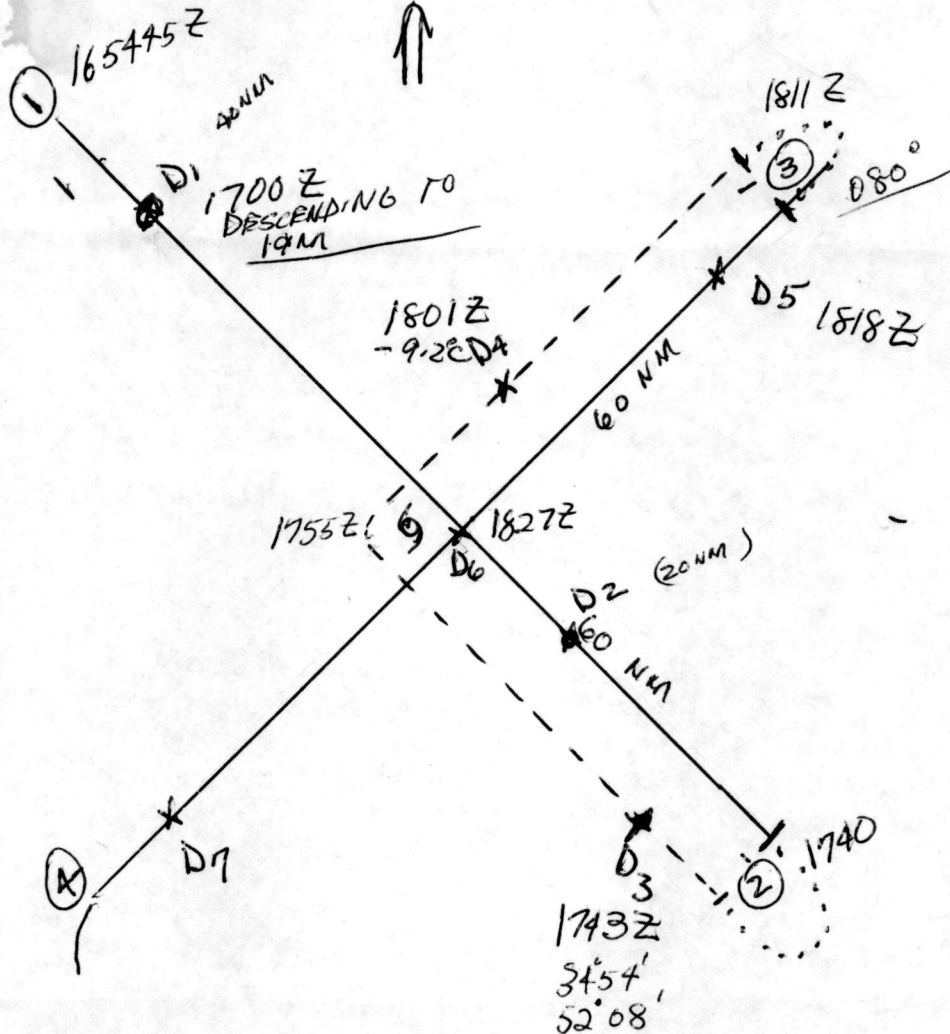
(Leg TU is about 150 m. mi ahead of storm)

1827 36 01 5226

9/21/73
ELLEN
A/C

35
31

STM MOVEMENT
020°/14



D₁, D₃, D₅, D₇ - 40 NM

D₂, D₄ - 20 NM

D₆ EYE

—— 19,000 ft

--- 22,000 ft

AIR-SEA FLIGHT PLAN - EXPLANATION

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5. Flight options:
 1. A-B-C-D-E-O-F-G-H-I-J-K-O-L-M-O-N-P-Q-O-R
 2. A-B-C-D-E-O-F-G-H-I-J-K-O-N-P-Q-O-R
 3. A-B-C-D-E-O-F-G-H-I-J-K-O-L-M-O-R
 4. A-B-C-D-E-O-F-G-H-I-J-K-O-R
 5. A-B-C-D-E-O-F-G-H-I-J-K-O-L-M-O-N
 6. A-B-C-D-E-O-F-G-H-I-J-K-O-N
 7. A-B-C-D-E-O-R
 8. A-B-C-D-E-O-F-G-H-I-J-K-O-E-L-S-T-U

(Leg TU is about 150 m. mi ahead of storm)

TIME/MILEAGE ESTIMATES FOR 41C:
AIR-SEA INTERACTION FLIGHT

<u>LEG</u>	<u>TIME</u>	<u>DISTANCE</u>
ABCDEOF	75 min.	185 m. mi.
FG	40 min.	110 m. mi.
GHIJKOL	65 min.	155 m. mi.
LM	10 min.	40 m. mi.
MON	40 min.	120 m. mi.
NPQO	25 min.	80 m. mi.
OR	35 min.	100 m. mi.
TOTAL	5 hrs.	
OPTIONS:		
LS	15 min.	40 mi.
ST	35 min.	100 m. mi.
TU	40 min.	110 m. mi.

730921F1

START

143736

3222.0 6441.0

730921F1

RFN

Disk 2 = E6191

	(38)	(45)
STORMA730921F1 1713490	-016.5	040.0
1715100	+020.0	030.0
1718500	+000.0	000.0
1744550	+022.0	093.0
1749070	+018.0	060.0
1750180	+015.0	050.0
1751400	+017.0	040.0
1754490	+038.0	010.0
1819010	+025.0	060.0
1820220	+020.0	050.0
1822420	+029.0	020.0
1826420	+000.0	000.0
1931200	+000.0	000.0

1500'

TAS

DF

731220

730921F1A

-1.4	-0.4
-0.379	-0.539

731005F1

-10.100 +0.883

-12.388 +1.124

-8.160 +0.656

-8.775 +2.021

-13.650 +0.804

-10.614 +1.098

730921F1

TAS for Mean

TAS AND DRFT ANGLE CQN DETERMINATION

FLIGHT IDENTIFICATION 730921F1

NUMBER OF CASES 5

01 055.3 -01.0 261.9

286.3 61

02 149.5 +03.8 260.0

266.0 61

-2.0

GS1= 261.90 GS2= 260.00

TAS1= 286.30 TAS2= 266.00

WIND 1
MEASURED 65.9 24.9WIND 2
76.4 18.4

CORRECTED 61.7 19.8

61.7 19.8

TURN NUMBER 1 TAS CQN = -4.675 DRIFT ANGLE CQN = .518

03 174.4 -17.8 213.6

214.2 61

04 330.3 +17.5 215.1

220.7 31

-1.3

GS1= 213.60 GS2= 215.10

TAS1= 214.20 TAS2= 220.70

WIND 1
MEASURED 255.0 66.2WIND 2
251.2 66.5

CORRECTED 253.0 66.8

253.0 66.8

TURN NUMBER 2 TAS CQN = 2.236 DRIFT ANGLE CQN = -.059

05 333.4 +07.2 242.6

242.1 41

06 089.8 -09.8 233.0

255.9 61

-14.9

GS1= 242.60 GS2= 233.00

TAS1= 242.10 TAS2= 255.90

WIND 1
MEASURED 246.0 30.4WIND 2
116.5 47.6

CORRECTED 171.8 46.8

171.8 46.8

TURN NUMBER 3 TAS CQN = -43.817 DRIFT ANGLE CQN = -3.716

07 096.8 -10.5 247.8

267.7 61

08 229.3 +10.4 223.1

253.3 61

-1.5

GS1= 247.80 GS2= 223.10

TAS1= 267.70 TAS2= 253.30

WIND 1
MEASURED 158.8 51.2

WIND 2
176.4 52.6

CORRECTED 168.1 47.7

168.1 47.7

TURN NUMBER 4 TAS CQN = -8.756 DRIFT ANGLE CQN = .003

09 120.1 -20.3 196.5

191.1 31

10 307.9 +19.3 212.7

189.6 51

-1.1

GS1= 196.50 GS2= 212.70

TAS1= 191.10 TAS2= 189.60

TOTAL
1500'

WIND 1
MEASURED 204.4 68.5

WIND 2
206.7 71.2

CORRECTED 205.0 69.9

205.0 69.9

TURN NUMBER 5 TAS CQN = -1.178 DRIFT ANGLE CQN = -.460

AVG. TAS. COR.= ~~-11.238~~

AVG. DFT. COR.= ~~-.748~~

4 | -12.373

4 | +0.002

TOTAL -3.093

+0.0005

TOTAL
21K

3 | -11.195
-3.732

3 | +0.462
+0.154

730921 F1

TAS fm Mean

730921 F1 ⁽¹⁴⁾
00521K

TH	DF	GSX985	CTAS	Angle x .5	
01	Δ 055.3	Δ -01.0	Δ 261.9	286.3	Δ 61 165320
02	149.5	+03.8	260.0	266.0	61 ^{-2.0} -4.0 165700
03	174.4	-17.8	213.6	214.2	61 173500
04	330.3	+17.5	215.1	220.7	31 ^{-1.3} -2.5 173950
05	333.4	+07.2	242.6	242.1	41 175520
06	089.8	-09.8	233.0	255.9	61 ^{-14.9} -29.8 NG 180200
07	096.8	-10.5	247.8	267.7	61 180950
08	229.3	+10.4	223.1	253.3	61 ^{-1.5} -2.9 181650

15H

09	120.1	-20.3	196.5	191.1	31 191210
10	307.9	+19.3	212.7	189.6	51 ^{-1.1} -2.1 191520

730921F1

TAS fm NHRL - OTL

RFF

730921F1		(14) 005							
		GSX.985							
21K	TH	DE	265.4	(38) CTS	4	Angle			
01	055.3	-01.3	270.8	285.8	11	165320	3738.7	5358.7	
02	149.5	+04.7	260.8	265.8	11	165700	3734.3	5344.5	
03	174.3	-18.9	215.2	213.8	11	173500	3524.1	5209.3	
04	330.1	+17.3	216.8	220.8	11	173950	3526.9	5213.3	
05	333.9	+06.6	239.4	248.0	11	175520	3622.8	5244.0	
06	089.4	-05.9	247.8	258.8	11	180200	3639.6	5227.4	
07	097.2	-11.0	247.7	267.8	11	180950	3643.9	5148.9	
08	229.5	+10.1	230.8	253.8	11	181650	3639.3	5148.9	
09	120.8	-20.8	197.5	191.8	11	191210	3555.6	5208.0	
10	307.1	+19.8	219.0	191.8	11	191520	3556.6	5211.0	

END

730921F1 731220

$$45 = 16.0 (18-20K) \\ = 11.1 (3K)$$

(actually used in green)

171620	+6.1 +5.5 (8.2) +37 +3.2 +6.9 (7.6) 048/48 -6.8	+5.9 +5.5	-0.2 (1.235) +2.7 -1.4 -1.7	45
171750	+1.5 +1.5 (2.1) 351/12 -0.8 +2.4 (2.5) 46/12 +1.6	xx	+0.8	-1.0 360
171840	-3.4 0 (3.4) 322/18 -5.0			D
171910	-1.5 -1.0 (1.8) +22 -4.9 -1.5 (5.1) 300/6 -5.5	xx	(-1.3) (+3.4) (1.23) (-0.3) min 0 +1.5 +1.8	270
172110	-5.2 -6.2 (8.1) +43 -11.6 -6.0 (13.1) (220) (45) -6.5	-5.2 -6.2	+6.4 -0.2 -0.2	45
175430	-7.6 +2.7 (8.1) +30 -9.2 +0.5 (9.2) 284/52 -6.4	-7.6 +2.7	+1.6 +2.2 +2.7	45
175520				D
175540	-4.8 +2.0 (5.2) 311/15 -4.4			min
175620	-0.5 +6.1 (6.1) +20 -2.5 +3.2 (4.1) 356/38 -4.84	0 xx	+2.5	+3.6 360
175930	+7.9 +1.7 (8.1) +24 +6.3 -2.1 (6.6) 078/39 -5.8	+7.9 +1.7	+1.6 +3.8 +4.7	45
182520	+4.1 -6.8 (7.9) -9 -1.1 -2.9 (3.0) 150/52 -1.7	+4.1 -6.9	+5.2 -4.0 -4.9	45
182600	-0.0 -3.8 (3.8) -2 -0.9 0 (0.9) 181/17 -1.7	0 xx	+0.9	-4.7 180
182610	-0.9 +0.7 (1.1) 174/1 -3			min
182630	-0.5 -0.0 (0.5) -5 -0.9 +2.2 (2.3) 302/7 -1.5	xx 0	+0.3 -2.2 -2.7	270
182730				D
182820	-3.6 +7.2 (8.1) -7 -2.0 +9.8 (10.0) (333) (45) -2.3	-3.6 +7.2	-1.6 -2.6 -3.2	45
193030	-5.4 +1.1 (5.5) -119 -5.9 -2.7 (6.5) 281/41 +20.43	-5.4 +1.1	+0.5 +3.8 +4.7	45
193130				D
193300	-0.3 +0.1 (0.3) 345/21 +21.8			min
193310	-0.1 +5.2 (5.2) -108 +0.5 (0.5) 345/24 +21.7	0 xx	+0.1 +0.1	+5.8 360
193500	-1.4 +4.9 (5.1) -109 -1.3 0 (1.3) 358/44 +22.4	0 xx	+1.3	+6.0 360
193510	-2.0 +5.2 (5.6) -109 -0.8 +0.4 (0.9) 348/38 +22.6	-1.9 +5.2	+0.1 +4.8 +6.0	45

171620	35.774	52.692	175930	36.003	52.391
	3546.5	5241.5		3600.2	5223.5
	+2.7	-1.7		+1.6	+4.7
	3549.2	5239.8		3601.8	5228.2
171750	35.710	52.595	182520	35.990	52.301
	3542.6	5235.7		3559.4	5218.1
	+2.4	-1.0		+5.2	-4.9
	3545.0	5234.7		3604.6	5213.2
171910	35.648	52.513	182600	35.996	52.358
	3538.9	5230.8		3559.8	5221.5
	+3.4	+0.5		+0.9	-4.7
	3542.3	5231.3		3600.7	5216.8
172110	35.544	52.414	182630	35.999	52.402
	3532.7	5224.9		3600.0	5224.1
	+6.4	-0.2		+0.3	-2.7
	3539.1	5224.7		3600.3	5221.4
175430	35.723	52.459	182820	35.988	52.553
	3543.4	5227.6		3559.3	5233.2
	+1.6	+2.7		-1.6	-3.2
	3545.0	5230.3		3557.7	5230.0
175620	35.842	52.510	193030	36.199	52.096
	3550.5	5230.6		3612.0	5205.8
	+2.5	+3.6		+0.5	+4.7
	3553.0	5234.2		3612.5	5210.5

193310 36.308 52.155
36 18.5 52 09.3
+0.1 +5.8
36 18.6 52 15.1

193500 36.297 52.138
36 17.8 52 08.3
-0.1 +6.0
36 17.7 52 14.3

193510 36.305 52.145
36 18.3 52 08.7
-1.1 +6.0
36 17.2 52 14.7

LW + PI + RO Cal + others? ✓

RAREP mag at bgn? ✓

MEM und? ✓

REFLVL's? in deck ✓

PTCQN's? not needed ✓

730921F1

731220

ϕ = E6175

1 = E6176

2 = E6191

Print = E8599

FLIGHT 730921F1

(21)

11437360E6175

(44)

E6176E6191E85991 Δ PEARCE Δ 32

(61)

COMPARE

(16)

1400000

TIME

(24)

OCQN

NOTIME

NNV 730921F1

DPCAL

.01377

(40)

(50)

0.

DR

.06

-60.

LW

1.

0.

MH

.1

0.

PR

.05

50.

PT

.04631766 -3.55239

RA

1.0

0.

TC

.5

0.

VT

.024425989

0.

CAEND

PI CAL

.1

-50.

RO "

.1

(45) -50.

DPAUT

3.0

11

DR

"

GS

7.2

HY

50.

NNV 730921F1

MHAUT 3.0 11

PI { 1.5 {

PR { 2.0 {

PT { 0.6 {

RA { 50. {

RO { 15. {

VT ↓ 0.6 {

ASSMT

DR {

GS {

MH ↓

HUMCAL

LIQCAL

VTCQN -0.2

GSMPY 0.98599999

-3.1

WTASQ ~~-1.3~~ +0.0

DELETE 1437360

1437360

START 32A22.0AA64A41.0

TERM ? (Not in deck)

1437360

360. +14.3

1439050

0 0

NNV 730921F1 1457360 REFLVL 18280. -21.2 ✓

1503110

20800. -26.2

~~1741580~~
~~+1813460~~

0 0

1851240

360. +14.3

1910160

1770. +11.5

1929120

3240. +8.6

2002200

0 0

2005440

9880. -4.6

2007100

0 0

FLIGHT 730921FI ⁽²⁹⁾ E6176 ⁽⁴⁴⁾ E6191 ⁽⁵⁴⁾ E8599 ⁽⁵⁹⁾ Δ PEARCE Δ 32

STORM ⁽¹⁰⁾ ELLEN

CONTROL ⁽¹⁰⁾ DISK Δ POSN ⁽²²⁾ 000 600 000 500 300 ⁽⁴³⁾ EDIT 2

NO TIME

NNV 730921FI WTASQ ⁽³⁷⁾ +0.0 Δ +0.0

⁽¹⁶⁾ BEGIN Δ POSN

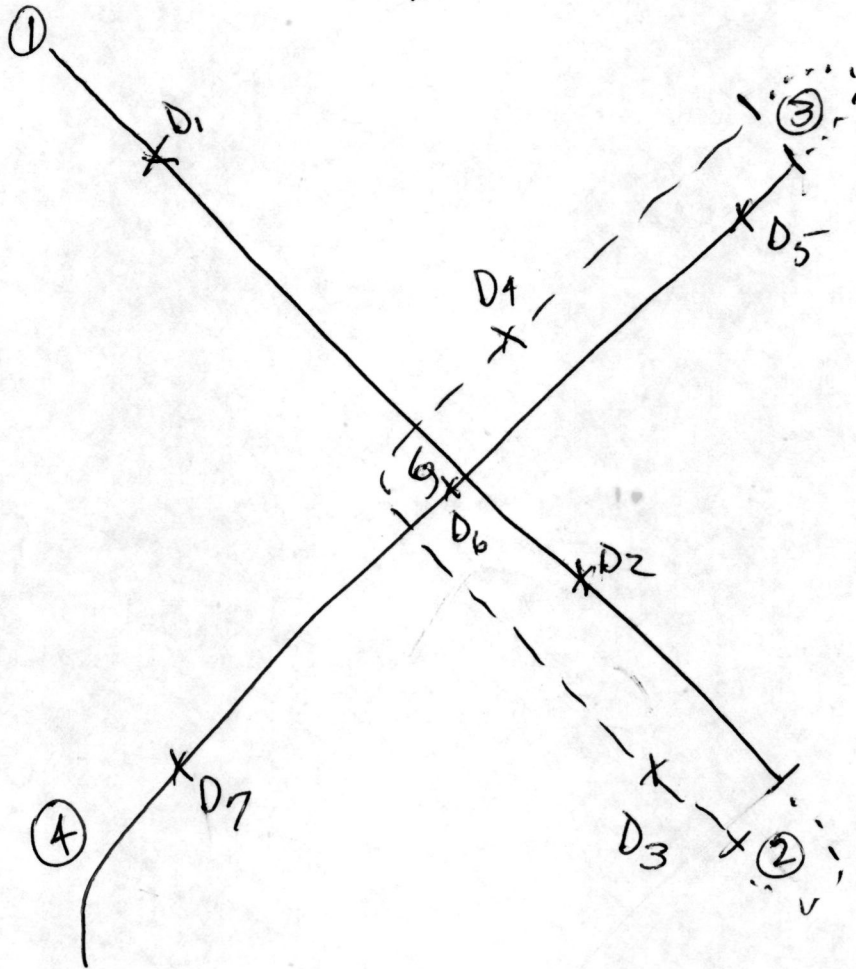
1437360	32	Δ 22.0	Δ Δ 64	Δ 41.0 ✓
1514000	33	15.1	62	28.2 ✓
1545450	34	28.6	59	38.6 ✓
1615000	35	38.0	56	50.4 ✓
1654230	37	00.8 ✓	53	^{32.9} 24.5
1717570	35	39.7	52	35.4
1741290	34	48.6	52	04.8
1810510	36	07.3	51	26.3
1815100	36	05.9	51	25.9
1827500	36	00.9	52	26.0
1915000	35	22.9	51	43.0
1932420	36	16.3	52	10.7
2115000	34	04.5	57	46.2
2244110	32	22.0	64	41.0
END	POSN			

Insert
POSN's
for
next
page

NNV 730921F1 1716200 POSN	35 49.2	52 39.8
171750	35 45.0	52 34.7
171910	35 42.3	52 31.3
172110	35 39.1	52 24.7
175430	35 45.0	52 30.3
175620	35 53.0	52 34.2
175930	36 01.8	52 28.2
182520	36 04.6	52 13.2
182600	36 00.7	52 16.8
182630	36 00.3	52 21.4
182820	35 57.7	52 30.0
193030	36 12.5	52 10.5
193310	36 18.6	52 15.1
193500	36 17.7	52 14.3
193510	36 17.2	52 14.7

730921F1

STM MUMF



D_1, D_3, D_5, D_7

40 NM

19,000 ft

D_2, D_4

20 NM

22,000 ft

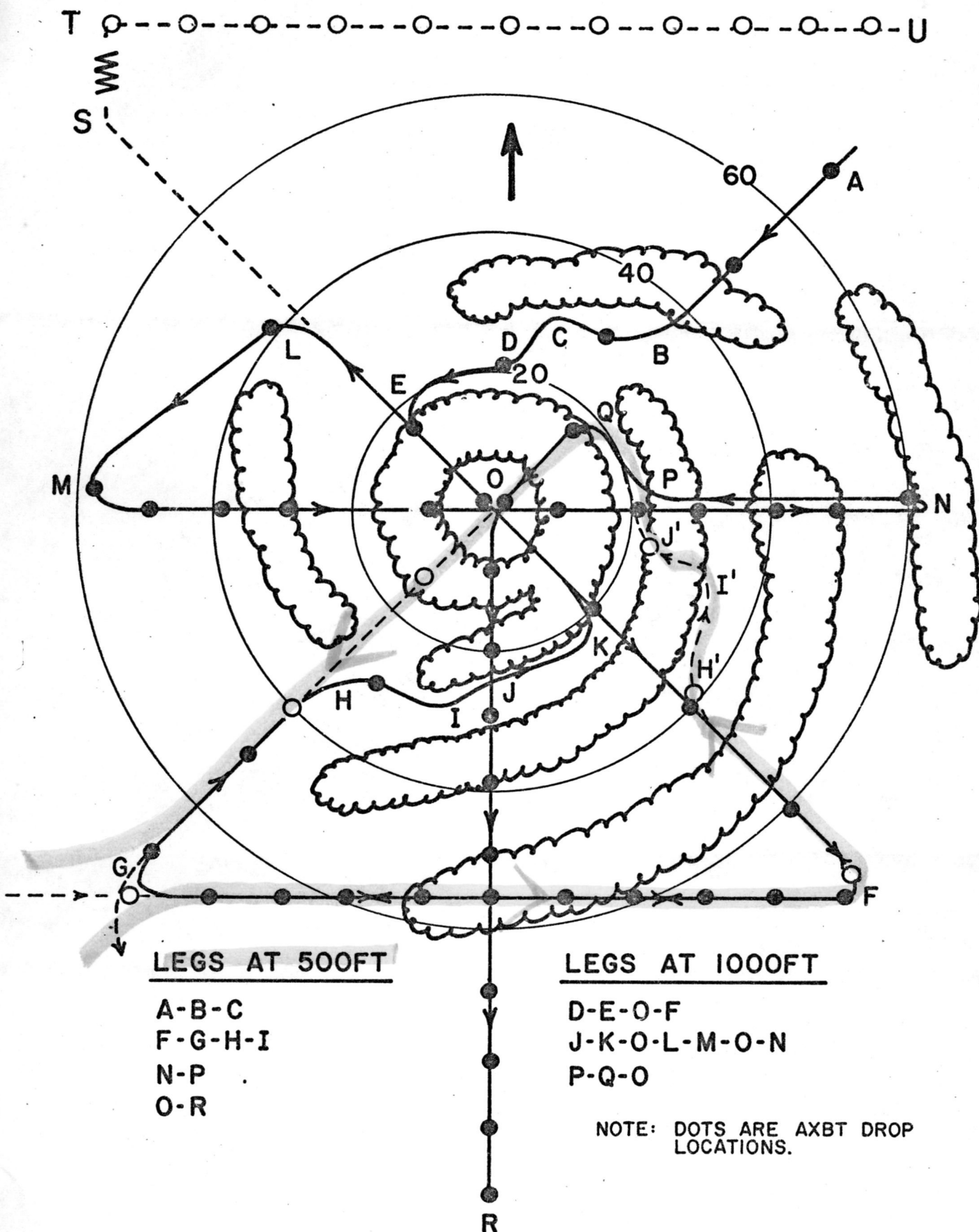
D_6

EYE

730921F1

FLIGHT PATTERN FOR 41C

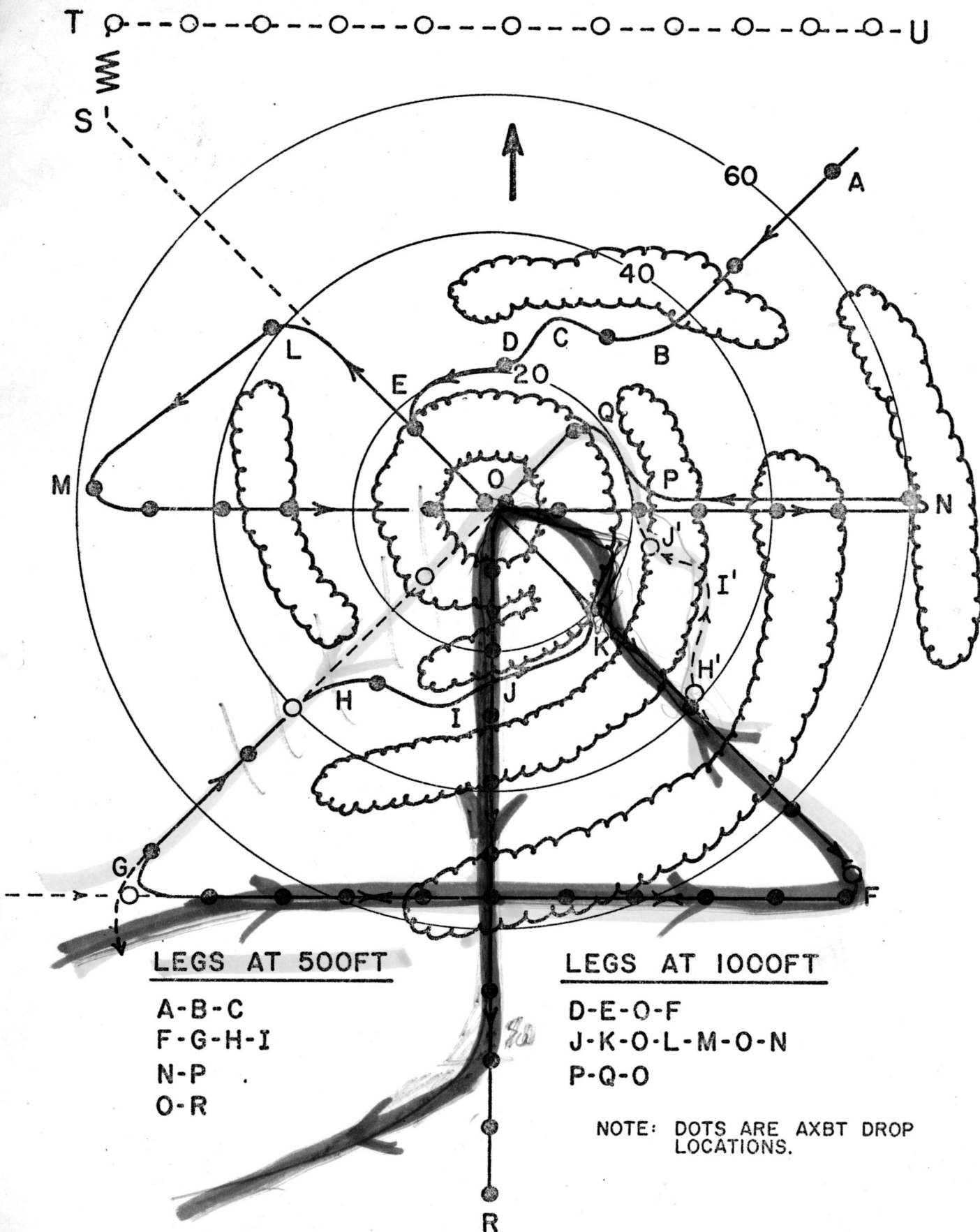
AIR - SEA INTERACTION

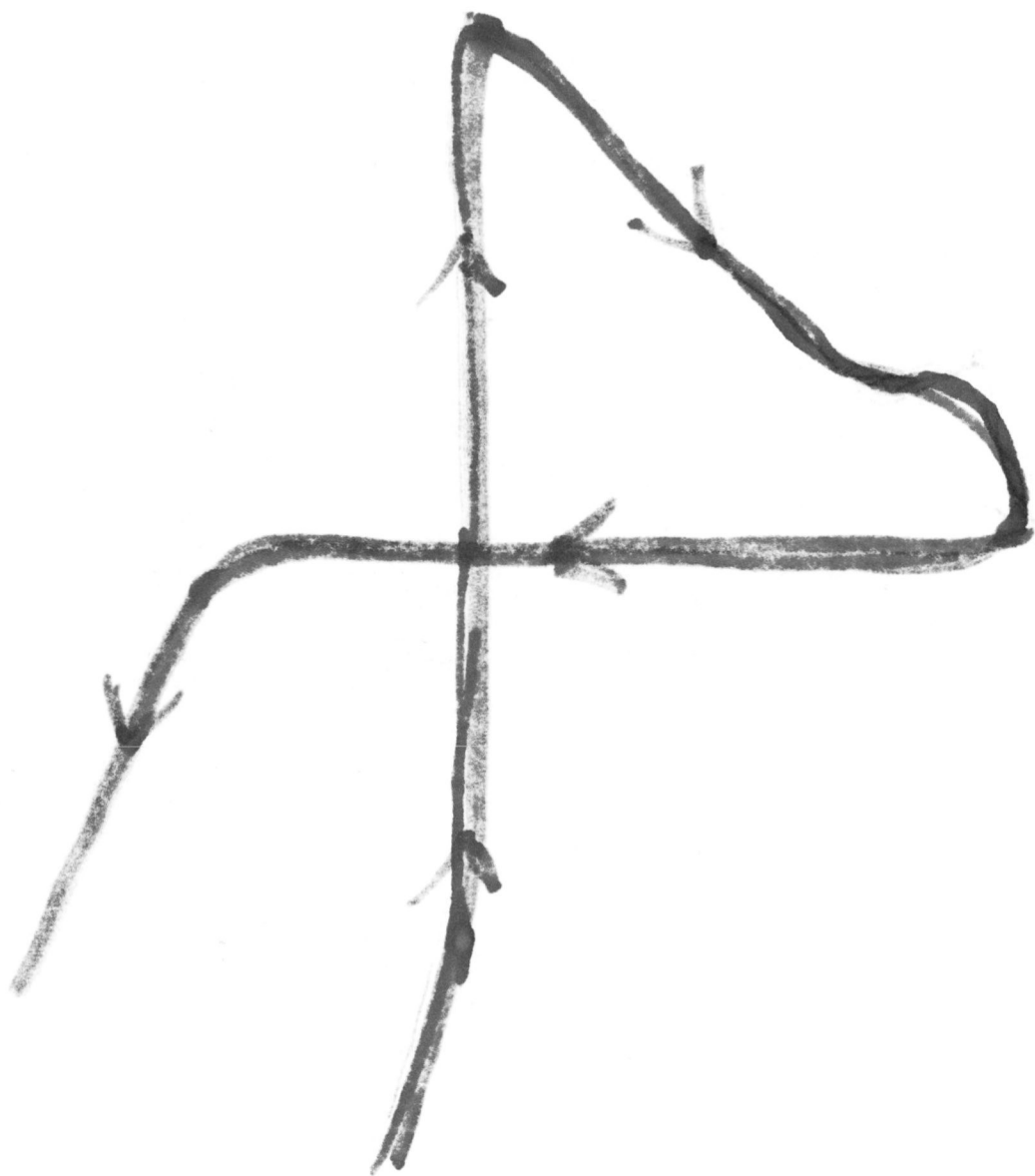


FLIGHT PATTERN FOR 41C

AIR - SEA INTERACTION

9/2/73
ELLEN





11/11/11

1

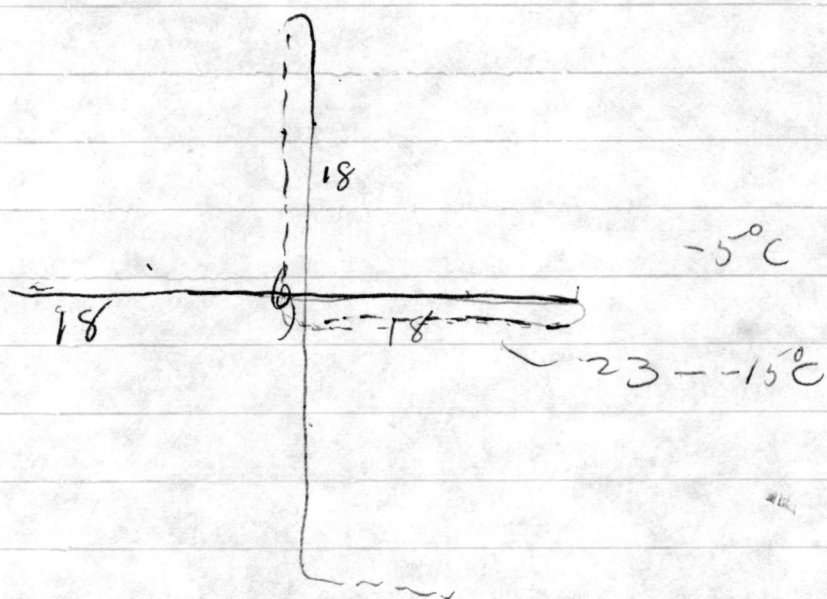
730921F1 Δm Cors
La lo (mins)

171730 $-2.6 (\Delta m - 2.6)$ 0

175710 -4.5 $+0.5$

182650 $+1.0$ -5.1

193320 $+1.4$ -2.6



720921 F1

NAV's

731211

143736 3222.0 6441.0

151400 3315.1 6228.2 3318.5 6236.7 -3.4 -8.5

154545 3428.6 5938.6 3440.5 5953.4 -11.9 -14.8

161500 3538.0 5650.4 3556.5 5720.4 -18.5 -30.0

165423 3700.8 5329.5 3735.1 5400.9 -34.3 -31.4

171757 3539.7 5235.4 3617.7 5253.0 -38.0 -17.6

174129 3448.6 5204.8 3527.2 5224.9 -38.6 -20.1

181051 3607.3 5126.3 3638.7 5152.5 -31.4 -26.2

181510 3605.9 5125.9 3636.4 5150.9 -30.5 -25.0

182750 3600.9 5226.0 3625.3 5249.4 ? -24.4 -23.4

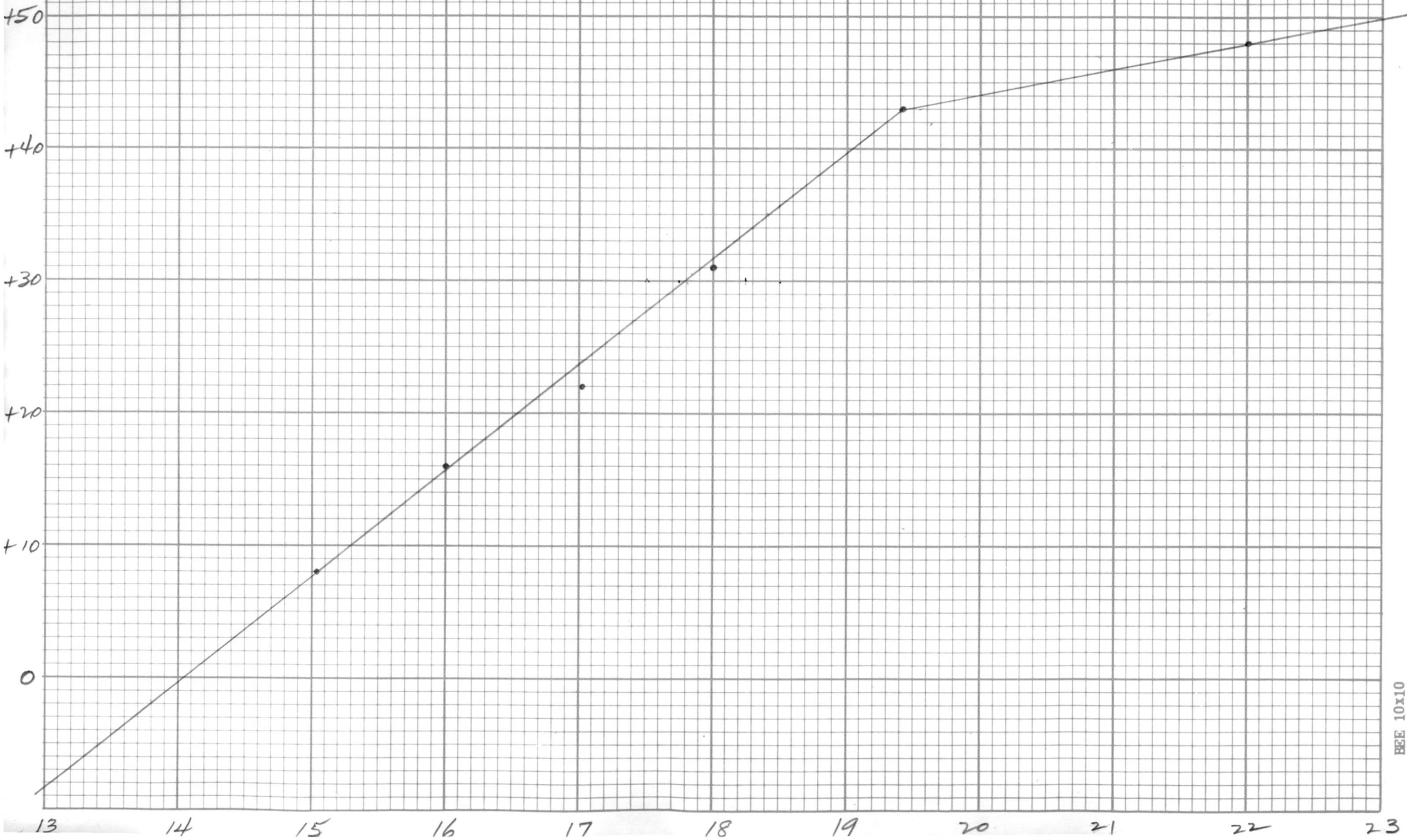
191500 3522.9 5143.0 3551.2 5212.6 -28.3 -29.6

193242 3616.3 5210.7 3639.6 5243.6 -23.3 -32.9

211500 3404.5 5746.2 3419.2 5819.2 -14.7 -33.0

224411 3222.0 6441.0 3231.1 6500.4 -9.1 -19.4

730921F1
APN-59
Cor to Clock



7309211-

2

SLP COMPUTATIONS

AFLC SMAMA FEB 72, 7920

Eden 730921F

AFLC SMAMA FEB 72, 7920

22.61 = 1030
20.7 = 1017
19.24 = 1000

Ellen 730921F

AN/AMT-13 RADIOSONDE WORKSHEET

2

BARREL NUMBER		RADIOSONDE NUMBER		BASELINE DATA		DATE CALIBRATED	
		49011		D5		9/1/73	
PRESSURE SENSOR		STATION PRESSURE		STANDARD RESISTANCE		CORRECTION FACTOR	
22.0		1010.81		22.7		4.71	
TEMPERATURE SENSOR		SD TABLE 1		STANDARD SD		DRY BULB TEMPERATURE	
16.3				16.4		23.2	
HUMIDITY SENSOR						WET BULB TEMPERATURE	
2.5.2						15.3	
LEVEL NO.						RELATIVE HUMIDITY	
						42.3	
HI/LOW REF		P (130)		SD (130)			
P (130)		SD (130)					
321.0		327.1					
RELATIVE HUMIDITY		P (130)		SD (130)			
P (130)		SD (130)					
375.5		383.8					
384.0		389.1					
TEMPERATURE		P (130)		SD (130)			
P (130)		SD (130)					
213.2		211.1					
207.9		207.3					
PRESSURE		P (130)		SD (130)			
P (130)		SD (130)					
268.0		263.9					
251.4		246.8					
HI/LOW REF		P (130)		SD (130)			
P (130)		SD (130)					
165.6		165.6					
SLP COMPUTATIONS		P (130)		SD (130)			
P (130)		SD (130)					
+		=					

$$\begin{array}{r} 25.8 \\ 17.2 \\ \hline 8.6 \end{array}$$

11.7

9.2

$$\begin{array}{r} 25.8 \\ 17.3 \\ \hline 8.5 \\ 11.9 \end{array}$$

$$\begin{array}{r} 25.8 \\ 16.2 \\ \hline 9.6 \\ 9.5 \end{array}$$

$$\begin{array}{r} 25.6 \\ 16.3 \\ \hline 9.3 \\ 9.8 \end{array}$$

$$\begin{array}{r} 9.2 \\ 10.0 \end{array}$$

Eden 730921F

AN/AMT-13 RADIOSONDE WORKSHEET

9

BASELINE DATA

BARREL NUMBER

RADIOSONDE NUMBER

DATE CALIBRATED

PRESSURE SENSOR	TEMPERATURE SENSOR	HUMIDITY SENSOR	SD TABLE 1	STANDARD SD	CORRECTION FACTOR	DRY BULB TEMPERATURE	WET BULB TEMPERATURE	RELATIVE HUMIDITY

22.3	1010.8	23.08	+7.8					
B1 9296.09938								

17.8	16.5	-1.3	22.8	B3	-9.7312			
B2 256.1209								

25.1	648	653	22.8	14.9	41.8			

PRESSURE SENSOR	TEMPERATURE SENSOR	HUMIDITY SENSOR	SD TABLE 1	STANDARD SD	CORRECTION FACTOR	DRY BULB TEMPERATURE	WET BULB TEMPERATURE	RELATIVE HUMIDITY

22.3	1010.8	23.08	+7.8					
B1 9296.09938								

17.8	16.5	-1.3	22.8	B3	-9.7312			
B2 256.1209								

25.1	648	653	22.8	14.9	41.8			

PRESSURE SENSOR	TEMPERATURE SENSOR	HUMIDITY SENSOR	SD TABLE 1	STANDARD SD	CORRECTION FACTOR	DRY BULB TEMPERATURE	WET BULB TEMPERATURE	RELATIVE HUMIDITY

22.3	1010.8	23.08	+7.8					
B1 9296.09938								

17.8	16.5	-1.3	22.8	B3	-9.7312			
B2 256.1209								

25.1	648	653	22.8	14.9	41.8			

PRESSURE SENSOR	TEMPERATURE SENSOR	HUMIDITY SENSOR	SD TABLE 1	STANDARD SD	CORRECTION FACTOR	DRY BULB TEMPERATURE	WET BULB TEMPERATURE	RELATIVE HUMIDITY

22.3	1010.8	23.08	+7.8					
B1 9296.09938								

17.8	16.5	-1.3	22.8	B3	-9.7312			
B2 256.1209								

25.1	648	653	22.8	14.9	41.8			

PRESSURE SENSOR	TEMPERATURE SENSOR	HUMIDITY SENSOR	SD TABLE 1	STANDARD SD	CORRECTION FACTOR	DRY BULB TEMPERATURE	WET BULB TEMPERATURE	RELATIVE HUMIDITY

22.3	1010.8	23.08	+7.8					
B1 9296.09938								

17.8	16.5	-1.3	22.8	B3	-9.7312			
B2 256.1209								

SLP COMPUTATIONS

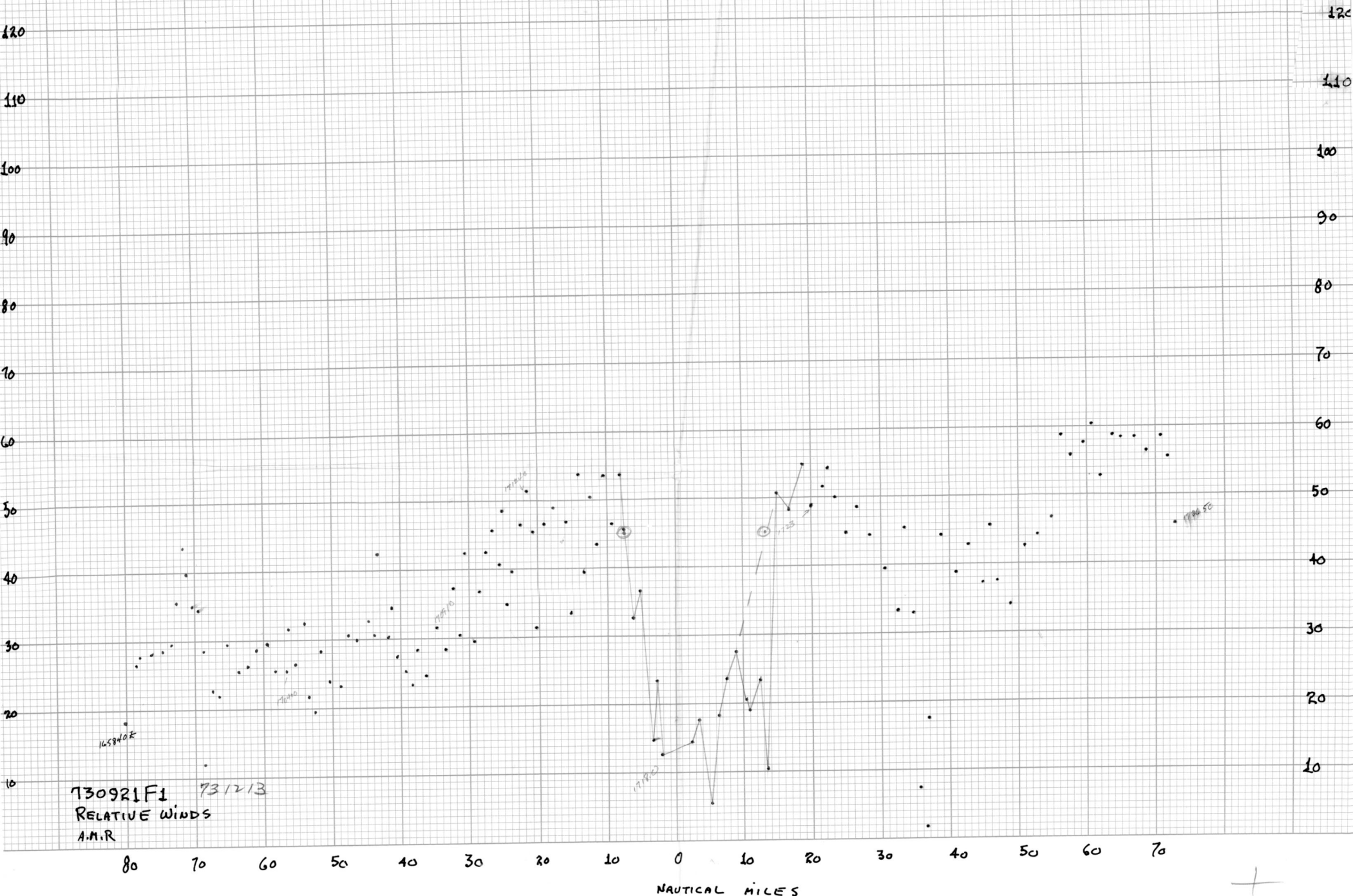
FORM 20 PREVIOUS EDITIONS ARE OBSOLETE

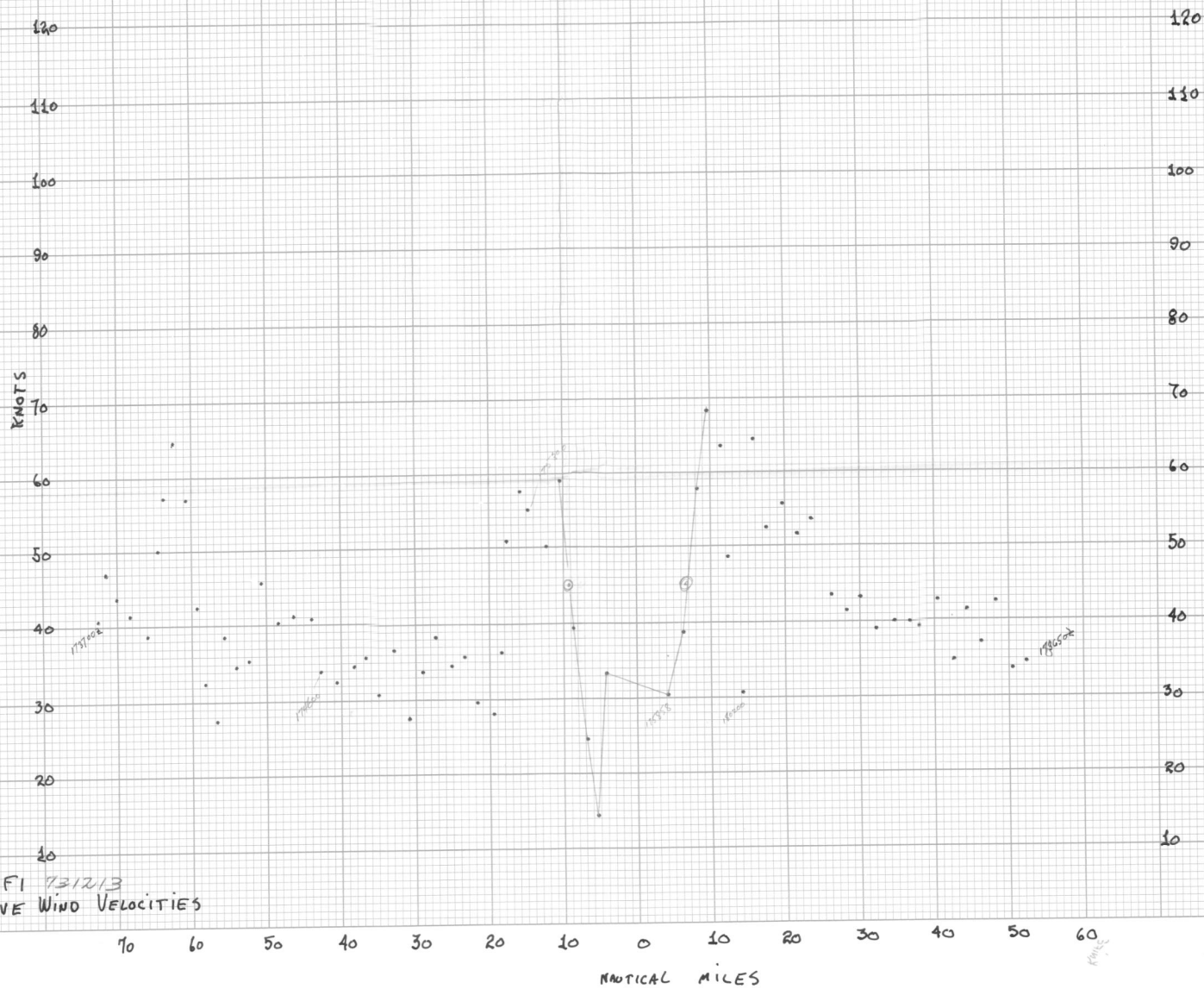
Center pos. TIME 182700 POS. 36°01' 52°22' T -2.6 Tb -5.5 RA 19370 PA 19360 D 10 DD FF 180 17

Olden 730921P

AN/AMT-13 RADIOSONDE WORKSHEET

BARREL NUMBER		2		RADIOSONDE NUMBER		43080		DATE CALIBRATED		25 SEP 72	
BASELINE DATA											
PRESSURE SENSOR		21.1		STATION PRESSURE		1017.1		STANDARD RESISTANCE		22.08	
TEMPERATURE SENSOR		15.4		SD TABLE 1		15.5		CORRECTION FACTOR		+1.0	
HUMIDITY SENSOR		23.9		SD STANDARD		15.5		DRY BULB TEMPERATURE		25.5	
LEVEL NO.								WET BULB TEMPERATURE		17.2	
RELATIVE HUMIDITY		41%									
HI/LOW REF		3222 163									
P (130)		3222									
SD (130)		163									
P (130)		3228									
SD (130)		162									
P (130)		3230									
SD (130)		161									
P (130)		3232									
SD (130)		161									
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P (130)		3232									
SD (130)		161									





730921F1 731213
RELATIVE WIND VELOCITIES

ARR
2

NAUTICAL MILES

120
110
100
90
80
70
60
50
40
30
20
10

120
110
100
90
80
70
60
50
40
30
20
10

RELATIVE WINDS
730921F (731213)

AMR

60

50

40

30

20

10

0

10

20

30

40

50

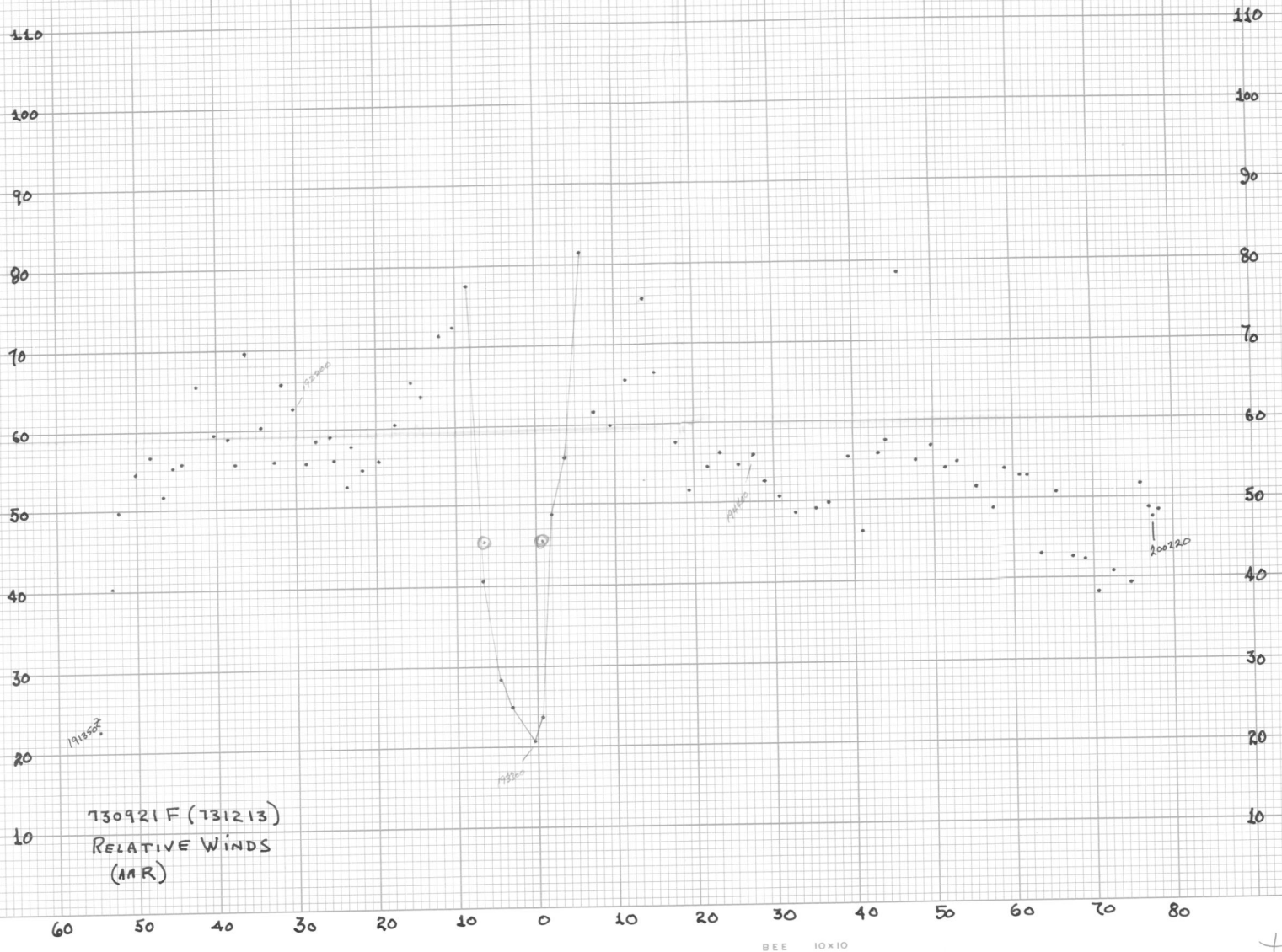
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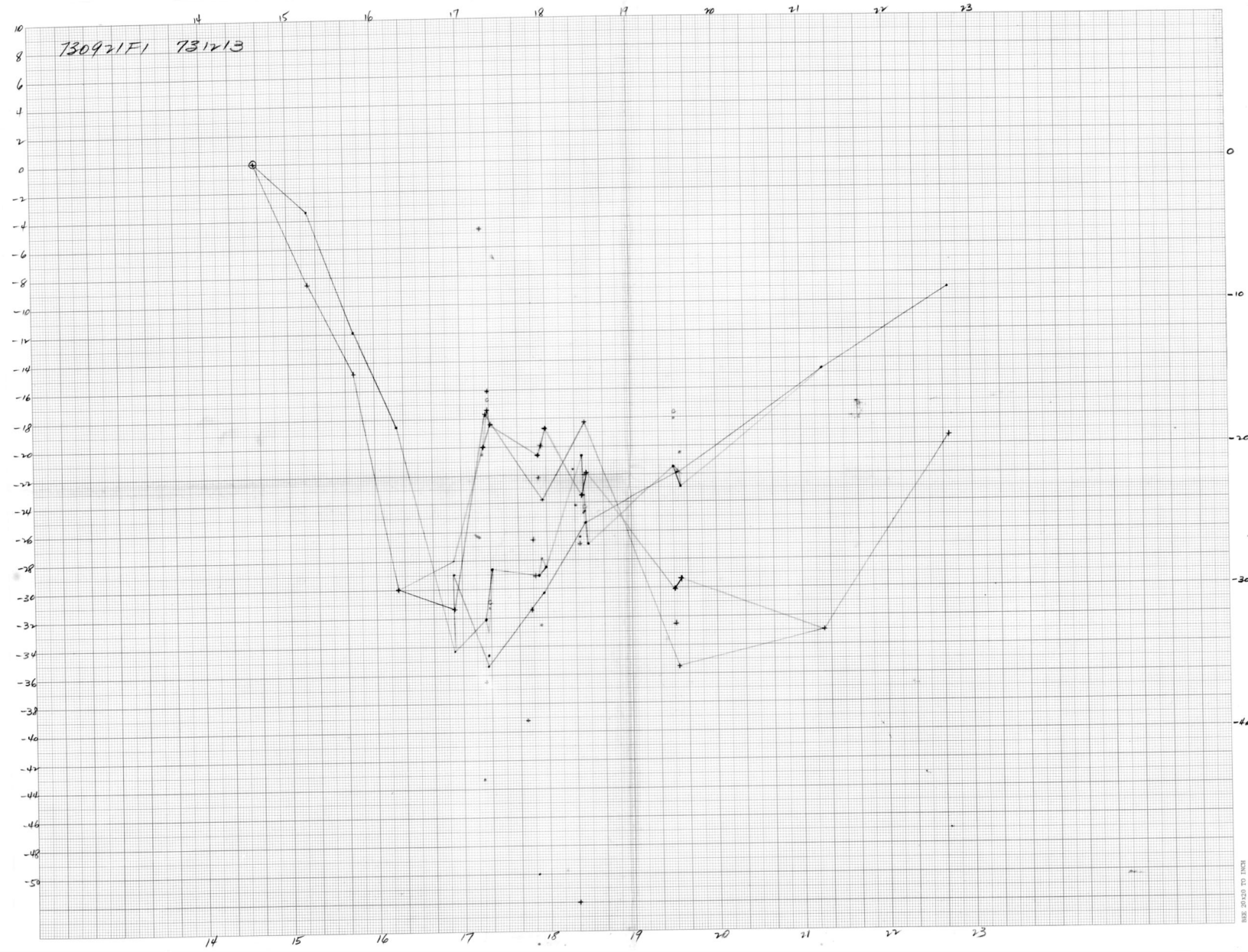
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NAUTICAL MILES

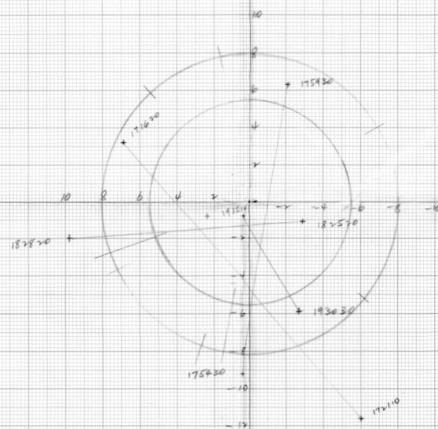
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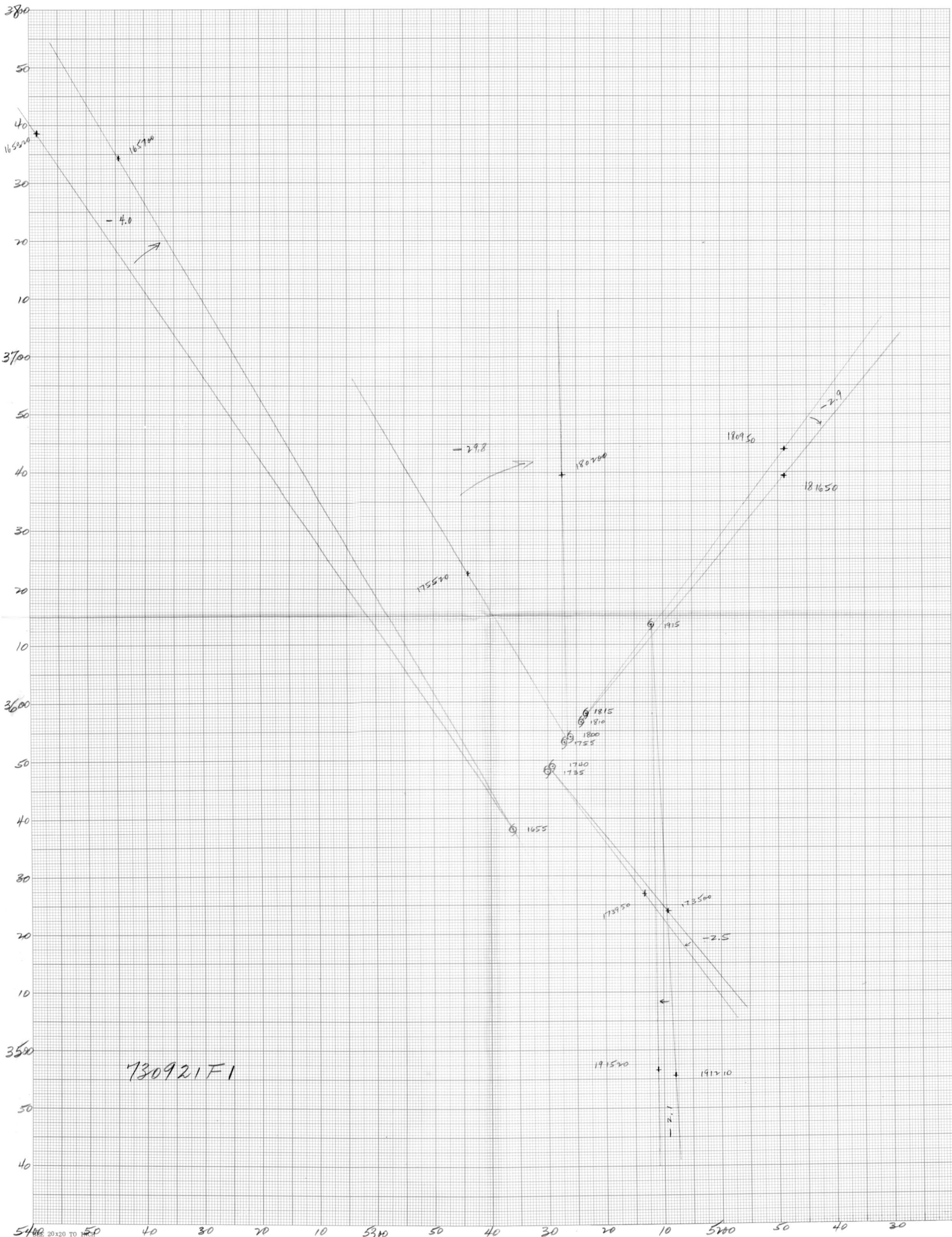
130921F1 731213



730921F1 731213



19.7 (175) }
 15.7 (144) } 14.1 } 18-20 K
 12.8 (177) }
 6.0 (010) } 3 K



3 3 5 2 5 3 1 4 9 9 0 6 8 8 5 7 2 7 2 4 8 1 8 9 6 2 3 1 8 0 0 3 0 2 3 2 3 0 3 6 6 4 6 0 5 2 5 5 9 2 7 5 7 8 0

6 7 6 6 7 4 6 7 6 5 6 7 0 5 7 6 3 7 2 5 7 4 4 7 2 2 7 3 8 4 6 8 5 8 7 1 8 5 4 8 3 8 9

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3 1 3 3 1 2 3 1 1 3 3 1 2 3 1 2 3 1 2 3 1 2 3 1 3 3 1 2 3 1 1 3 1 2 3 1 3 3 1 2

[illegible]

690

LO

41

20

[illegible]

243.8 ~
204.4

204.4

3	7	2	6
2	0	8	0
3	2	3	9
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2	0	8	2
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2	0	8	2
1	6	7	2
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2	0	8	4
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3	7	5	9
2	0	8	4
3	2	3	8
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2	0	8	8
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3	0	8	9
2	5	7	8
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3	0	9	0
2	5	4	0
3	7	8	1
2	0	9	0
3	2	3	9
3	7	8	4
2	0	9	1
2	5	5	2
3	7	8	1
2	0	9	1
1	6	6	4
3	7	9	0
2	0	9	3
2	5	5	2
3	4	1	6
2	0	9	6
3	2	3	7
3	8	0	8
2	1	0	3
2	5	6	4
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2	0	9	8
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2	1	0	5
2	5	7	8
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2	1	2	8

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2	2	6	8	1	4
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2	2	1	6	6	9
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3	3	8	8	1	8
2	2	6	1	2	3
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2	2	1	6	9	9
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3232

1663

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2179

212
212.3

2178

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223. /

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233.3

3228

239.3

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248.0

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249.8

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252.1

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255.1

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264.9

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266.9

268.2

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261.7

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273.3

41773

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1	6	6	6

2023-4

19730921F1_drop
ONLY SCAN WORKSHEETS

Dropsondes

Ellen

730921 F

IC	#	1	ok
	#	2	no temperature
IC	#	3	ok
	#	4	ended early 787 mb.
	#	5	Humidity and low reference drifted off scale
IC	#	6	ok
IC	#	7	ok

19730921F1 NAV

TIME CORRECTION SHEET

730921F1

APN-59

APN-59	DIGITAL	LOG
15020.0	15020.0	+8
16000.0	16000.0	+16
17010.0	17012.2	+22
18000.0	18003.1	+31
19250.0	19254.3	+43
20000.0	20004.8	+48

