

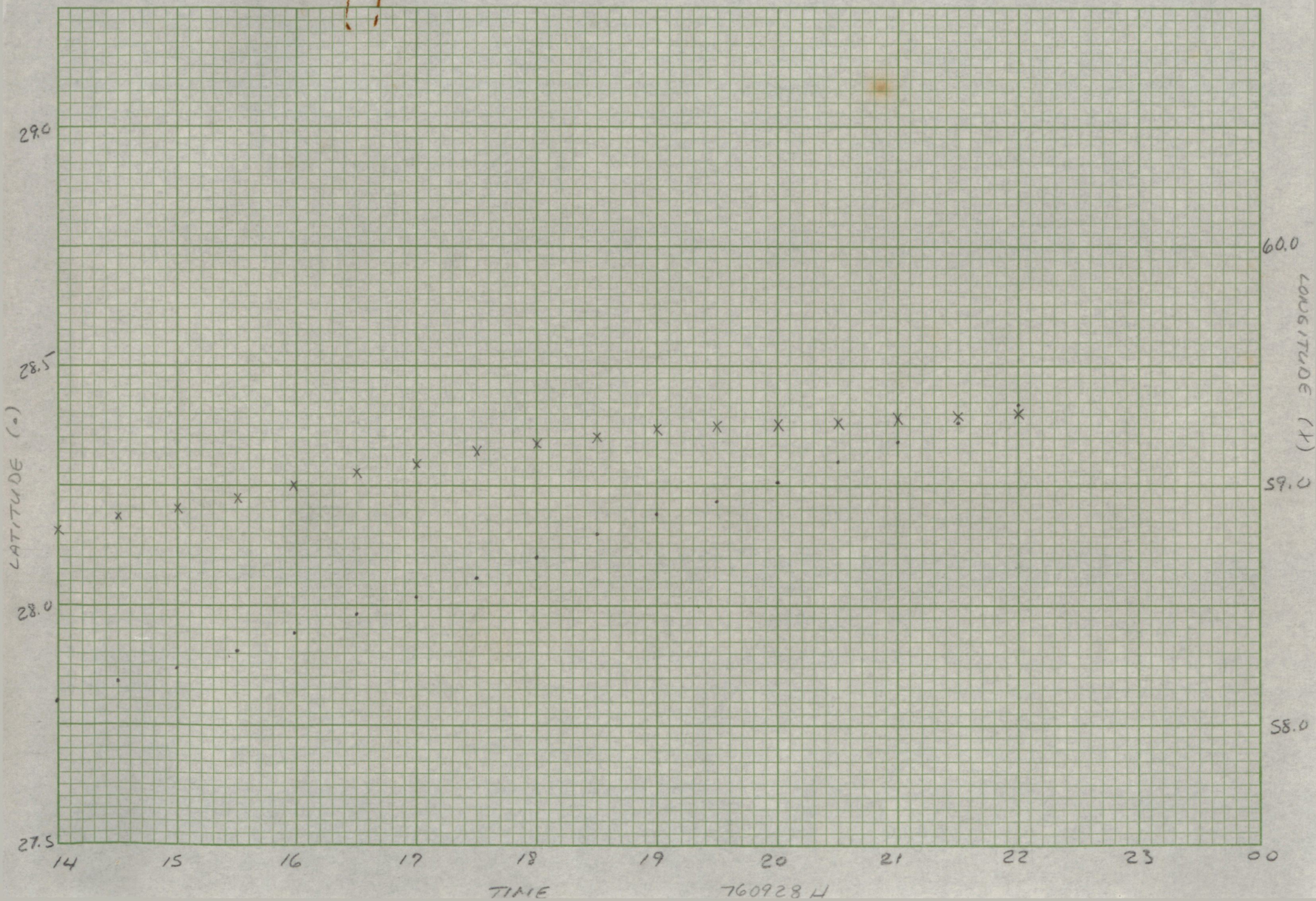
19760928F1. RADA7.

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7 X 10 IN. • ALBANENE®
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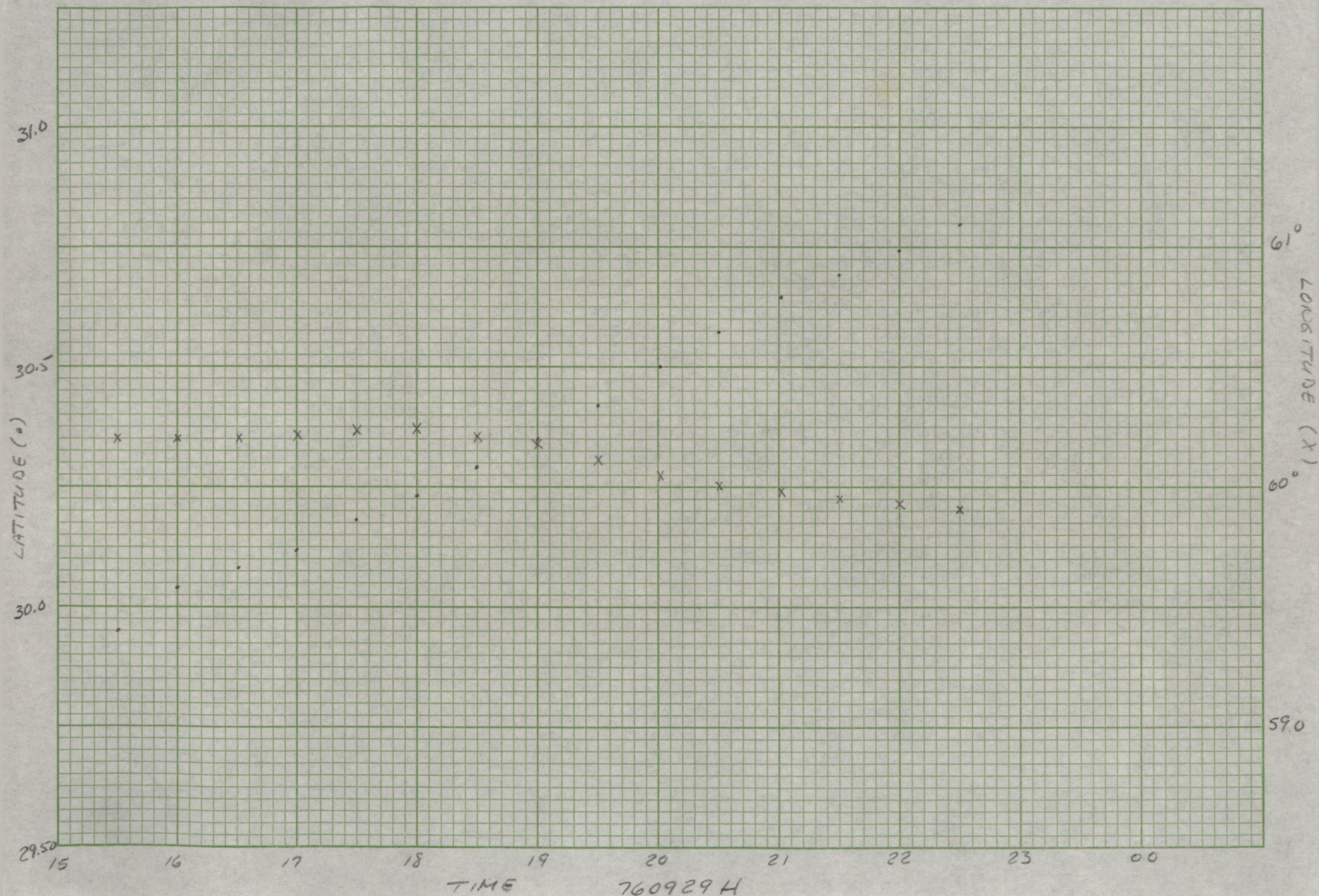
S GLORIA

From Flight Log 760928 H



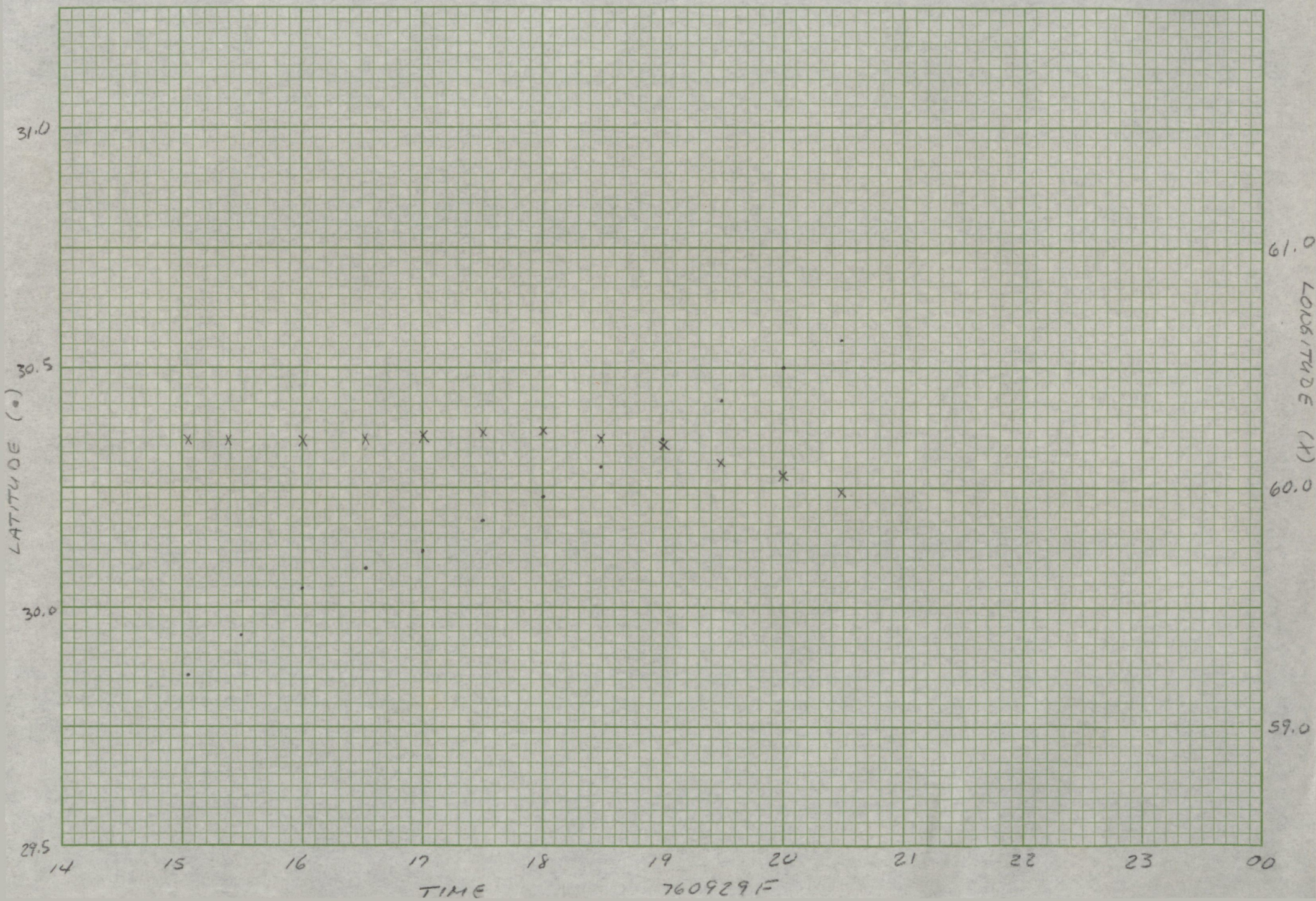
9 Gloria

from Flight Log. 760929H



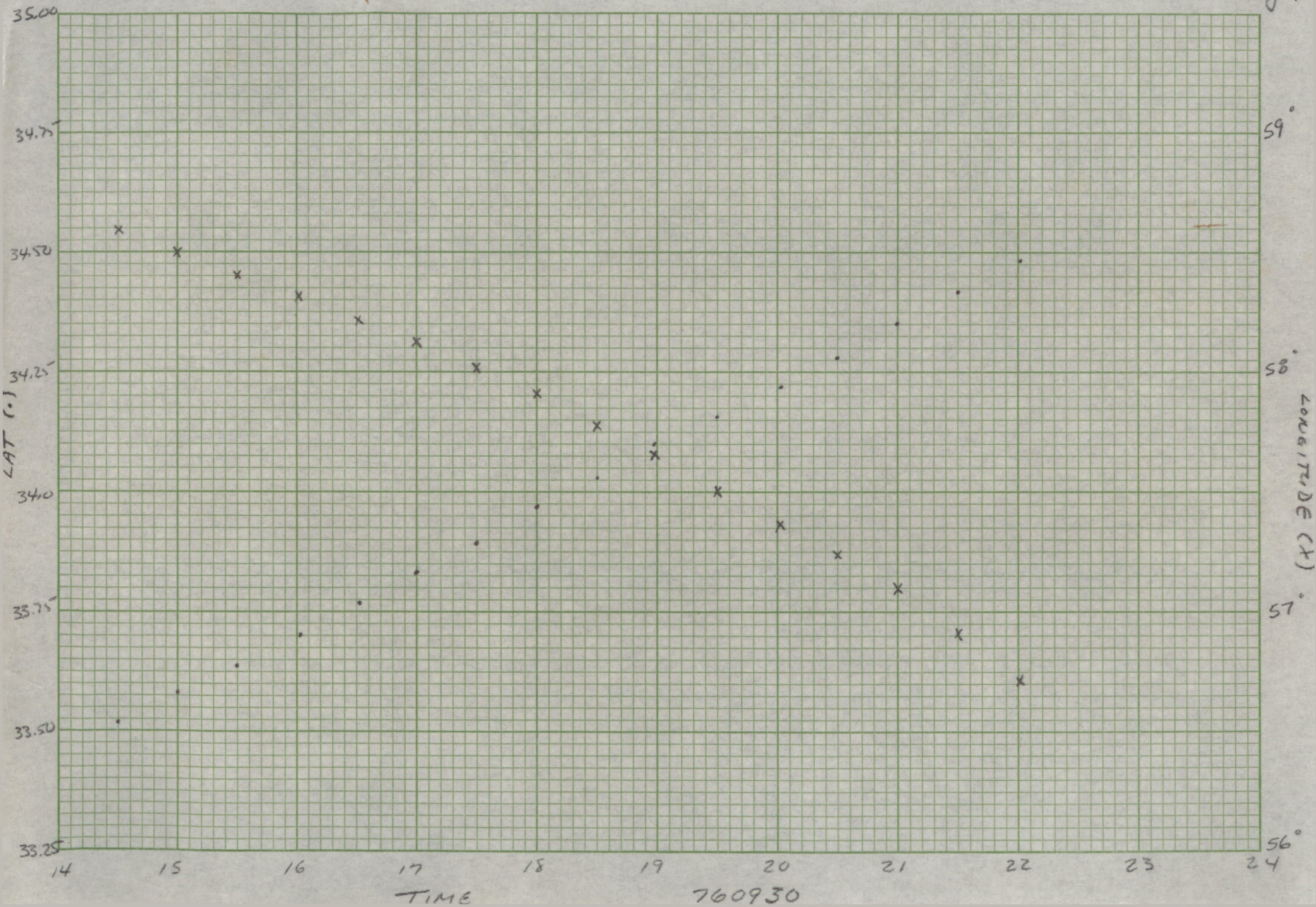
G Gloria

from Flight Log 760929F



9 GLORIA

760930F from Flight Log.



G GLORIA

760928

From radar film. AVQ 30

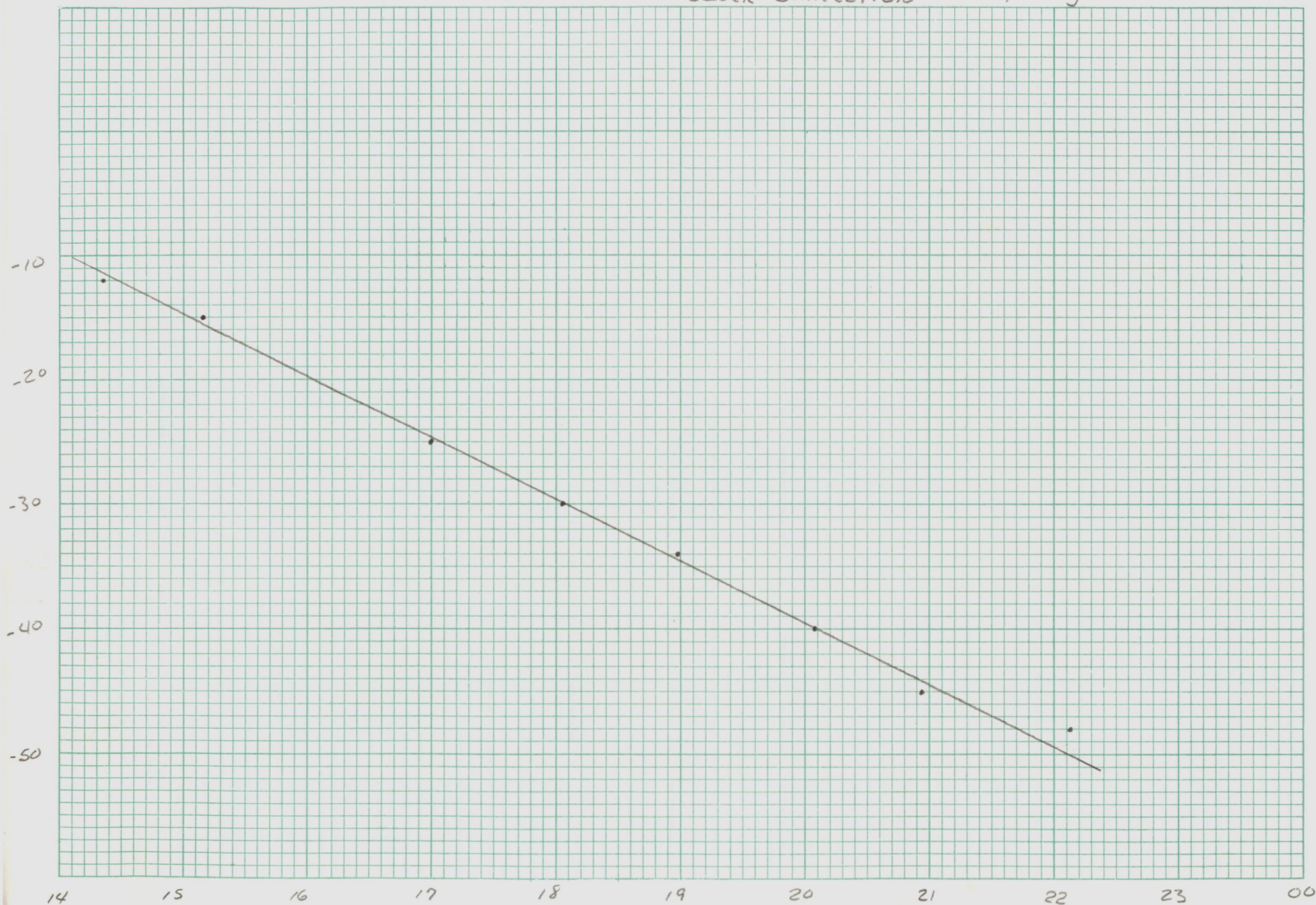


790928 H

AVQ 30

CLOCK CORRECTION

(Time added to
clock time to
get digital time)



TIME (GMT)

760928 H

RADAR FILM REVIEW FORM-NOAA/RFF

760928F

START	START	START	END	
760928F ^{APV59} ₁₀₆₁	1559	2706	4014	"G"
760929F ^{APV59} ₁₀₆₁	1459	4015	4463	"E"
760928H ^{AVG30} ₁₄₃	1120	4738	6273	"G"
760928H ^{AVG30} ₂₄₃	1702	6302	8039	"G"
760928H ^{AVG30} ₃₄₃	2051	8094	8602	"G"
760929H ^{AVG30} ₁₄₃	1445	8606	0027	NG
760929H ^{AVG30} ₂₄₃	1820	0031	1494	NG
760929H ^{AVG30} ₃₄₃	2127	1498	1986	NG
760930H ^{AVG30} ₁₄₃	1408	1987	3343	NG
760930H ^{AVG30} ₂₄₃	1713	3349	4863	NG
760930H ^{AVG30} ₃₄₃	2027	4867	5819	NG

Time: 161128

76092814

$R = 22.9$

$27^{\circ} 59.3' N$

$59^{\circ} 22.1' W$

$Hd = 65^{\circ}$

18°

$$v \text{ lat} = 22.9 \sin(7)$$

$$= 2.8 \text{ nmi} \approx 2.8'$$

$$v \text{ long} = 22.9 \cos(7)$$

$$= 22.7 \text{ nmi} \approx 25.7'$$

$$s \text{ lat} = 27^{\circ} 59.3' + 2.8' = 28^{\circ} 2.1' N$$

$$s \text{ long} = 59^{\circ} 22.1' - 25.7' = 58^{\circ} 56.4' W$$

Est. storm position at 161100

lat $27^{\circ} 57.0' N$

long $59^{\circ} 1.2' W$

Frame

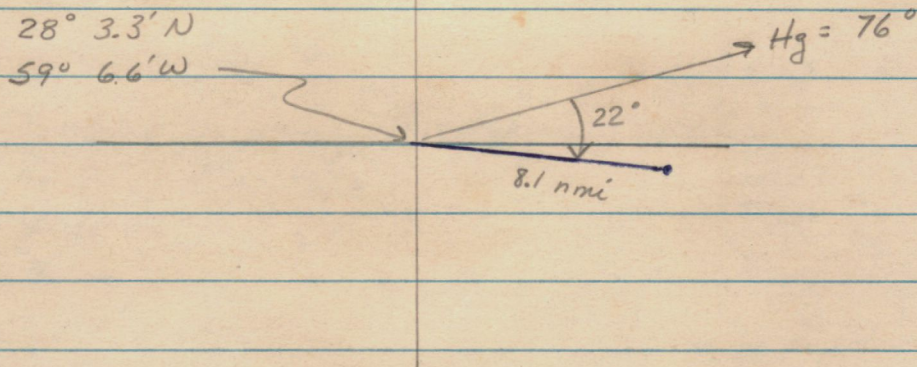
5905

161148

TIME: 161547Z

N
360

760928H



$$vlat = R \sin (450 - 98)$$

$$= 8.1 \sin (352) = -1.1 \text{ nmi} \approx -1.1' \\ (-5.6)$$

$$vlong = 8.1 \cos (352)$$

$$= 8.0 \text{ nmi} \approx 9.1' \\ (4.5)$$

$$s lat = 28^\circ 3.3' - 1.1' = 28^\circ 2.2' N. \quad (27^\circ 57.2' N)$$

$$s long = 59^\circ 6.6' - 9.1' = 58^\circ 57.5' W. \quad (59^\circ 17' W)$$

Est storm position at 161410

lat $27^\circ 57.6' N$

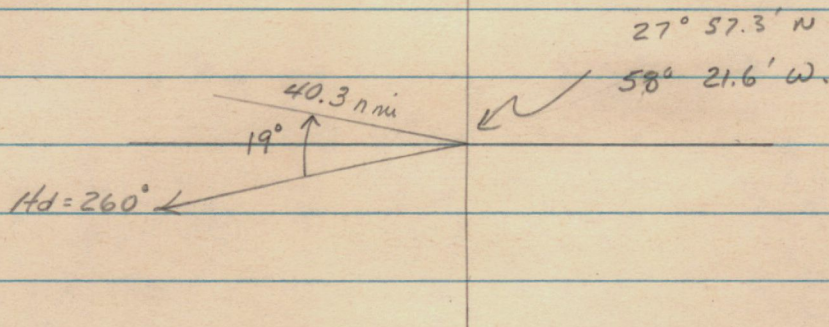
long $59^\circ 1.2' W$

From: 5939 161608

Time: 164908

N.

7609284



$$\begin{aligned} v \text{ lat} &= 40.3 \sin (450 - 279) \\ &= 40.3 \sin 171 = 6.3 \text{ n mi} \approx 6.3' \end{aligned}$$

$$\begin{aligned} v \text{ long} &= 40.3 \cos (171) \\ &= 39.8 \text{ n mi} \approx 45.1' \end{aligned}$$

$$\begin{aligned} s \text{ lat} &= 27^\circ 57.3' + 6.3' = 28^\circ 3.6' \text{ N} \\ s \text{ long} &= 58^\circ 21.6' + 45.1' = 59^\circ 6.7' \text{ W.} \end{aligned}$$

Est. storm position at 164820

lat $28^\circ 00' \text{ N}$

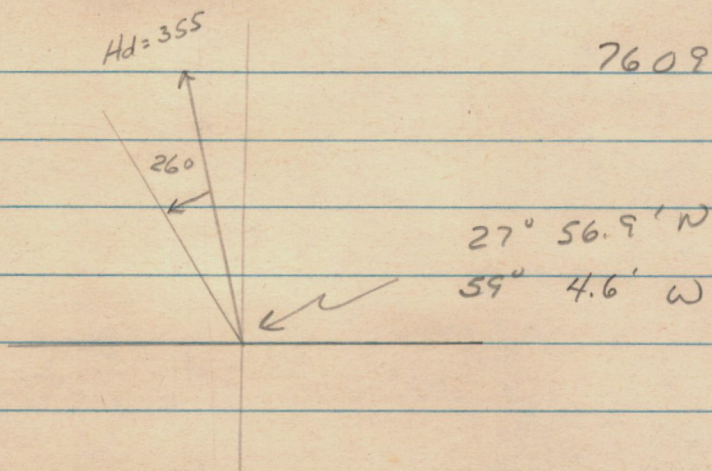
long $59^\circ 4.2' \text{ W.}$

Time: 170254

Hd = 355

760928H

R = 7.5 nmi



$$\begin{aligned} \Delta \text{lat} &= 7.5 \sin (450 - 329) \\ &= 7.5 \sin 121 = 6.4 \text{ nmi} \approx 6.4' \end{aligned}$$

$$\begin{aligned} \Delta \text{long} &= 7.5 \cos 121 \\ &= 3.9 \text{ nmi} \approx 4.4' \end{aligned}$$

$$\begin{aligned} \text{Lat} &= 27^\circ 56.9' + 6.4' = 28^\circ 3.3' \text{ N} \\ \text{Long} &= 59^\circ 4.6' + 4.4' = 59^\circ 9.0' \text{ W} \end{aligned}$$

Est. storm position at 170410

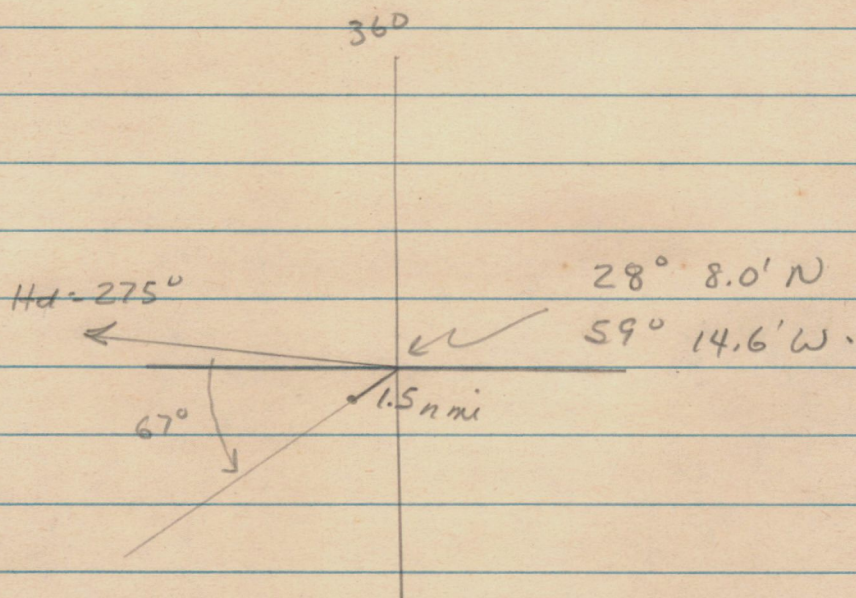
lat $28^\circ 1.8' \text{ N}$

long $59^\circ 6.0' \text{ W.}$

Frame: 6308 170319

Time: 181559 Z

760928M



$$\begin{aligned} \Delta \text{lat} &= 1.5 \sin (450 - 208) \\ &= 1.3 \text{ nmi} \approx 1.3' \end{aligned}$$

$$\begin{aligned} \Delta \text{long} &= 1.5 \cos (450 - 208) \\ &= 0.7 \text{ nmi} \approx 0.8' \end{aligned}$$

$$\begin{aligned} \text{Lat} &= 28^\circ 08.0' - 1.3' = 28^\circ 6.7' \text{ N} \\ \text{Long} &= 59^\circ 15.4' - 0.8' = 59^\circ 14.6' \text{ W} \end{aligned}$$

Est. storm position at 181620

Lat $28^\circ 7.2' \text{ N}$

Long $59^\circ 12.0' \text{ W.}$

FRAME: 6880 181625

Time: 1938 50

760928 H

360°

28° 41.3' N
59° 15.1' W.

26.4
nm

8°

↓
Hd = 172°

(27.4)

$$u \text{ lat} = 26.4 \sin(90) = 26.4 \text{ nm} \approx 26.4'$$

$$u \text{ long} = 26.4 \cos(90) = 0 \quad (.5)$$

$$S \text{ lat} = 28^\circ 41.3' - 26.4' = 28^\circ 14.9' \text{ N}$$

$$S \text{ long} = 59^\circ 15.1' \text{ W} + 0 = 59^\circ 15.1' \text{ W.}$$

est. storm position (best guess)

193900

28° 13.8' N

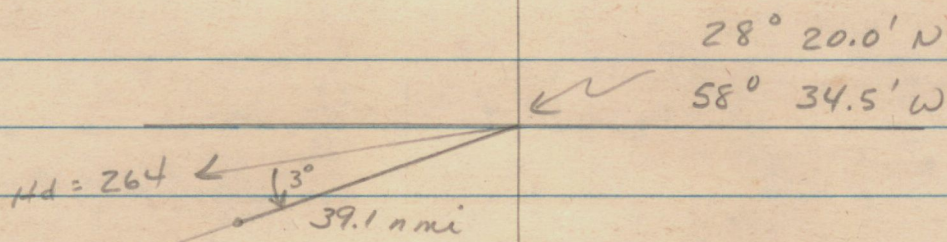
59° 15.0' W.

Frame 7530 193928

Time: 202201

360

76092814



$$\begin{aligned} \Delta \text{lat} &= 39.1 \sin (450 - 261) \\ &= 6.1 \text{ nmi} \approx 6.1' \end{aligned}$$

$$\begin{aligned} \Delta \text{long} &= 39.1 \cos (450 - 261) \\ &= 38.6 \text{ nmi} \approx 43.7' \end{aligned}$$

$$s \text{ lat} = 28^\circ 20.1' - 6.1' = 28^\circ 14.0' \text{ N}$$

$$s \text{ long} = 58^\circ 34.2' + 43.7' = 59^\circ 17.9' \text{ W}$$

Est. storm position 202310

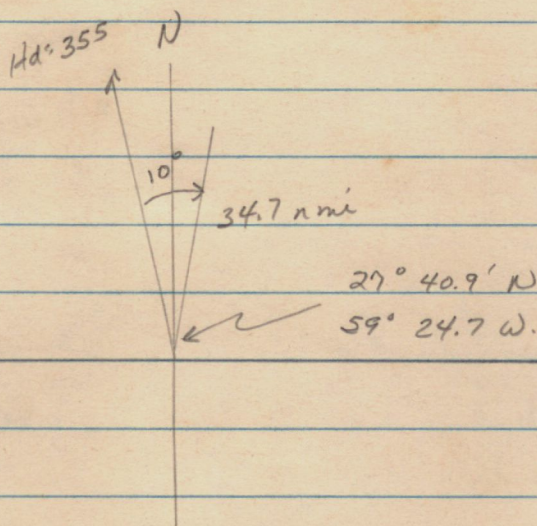
lat $28^\circ 17.4' \text{ N}$

long $58^\circ 16.2' \text{ W}$

Frame 7868 202242.

Time: 210120

76092814



$$\begin{aligned} u \text{ lat} &= 34.7 \sin 85^\circ \\ &= 34.6 \text{ nmi} \approx 34.6' \end{aligned}$$

$$\begin{aligned} u \text{ long} &= 34.7 \cos 85^\circ \\ &= 3.0 \text{ nmi} \approx 3.4' \end{aligned}$$

$$s \text{ lat} = 27^\circ 39.9' + 34.6' = 28^\circ 14.5' \text{ N}$$

$$s \text{ long} = 59^\circ 24.7' \text{ W} - 3.4' = 59^\circ 21.3' \text{ W.}$$

Est storm position at 20 59 50

lat $28^\circ 20.4' \text{ N}$

long $59^\circ 16.8' \text{ W.}$

Frame: 8178 110205

760928H

Aug 30

Roll 1 of 3

<u>Time</u>	<u>Remarks</u>
1213	Film begins. Quality good.
1457	Increased range
1458	Decreased range
1521-1527	Bad pictures
1529	Increased range
1605	Increased range
1607	Decreased range
1616	Increased range
1619	Decreased range
1620	Increased range
1633	Decreased range
1656	Increased range
1657	Decreased range
1658	End of reel.