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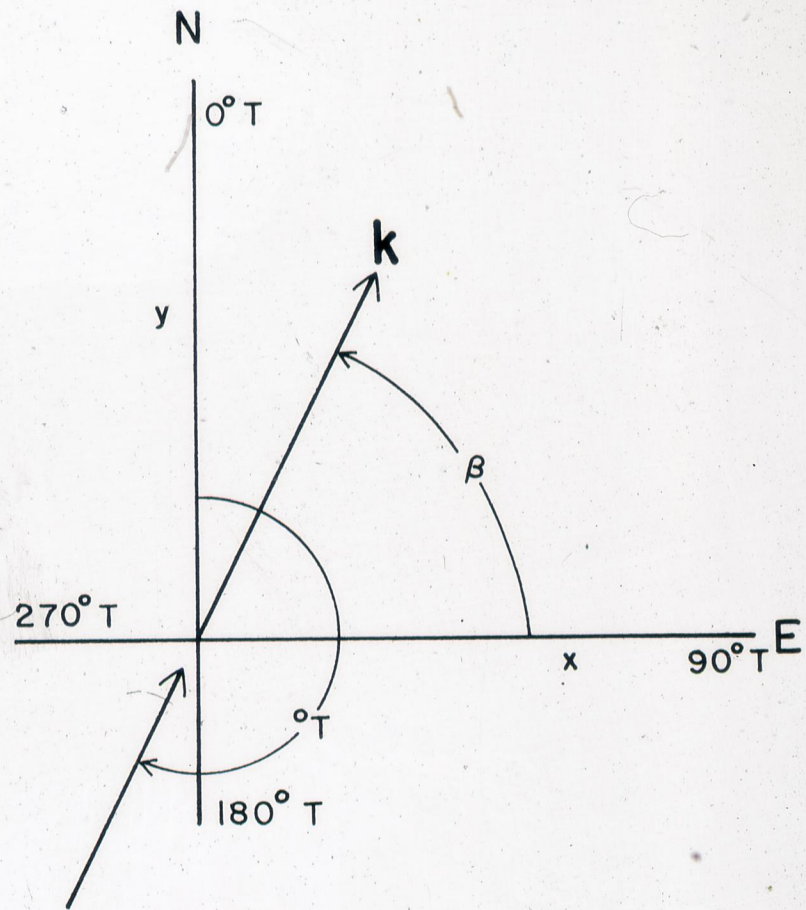
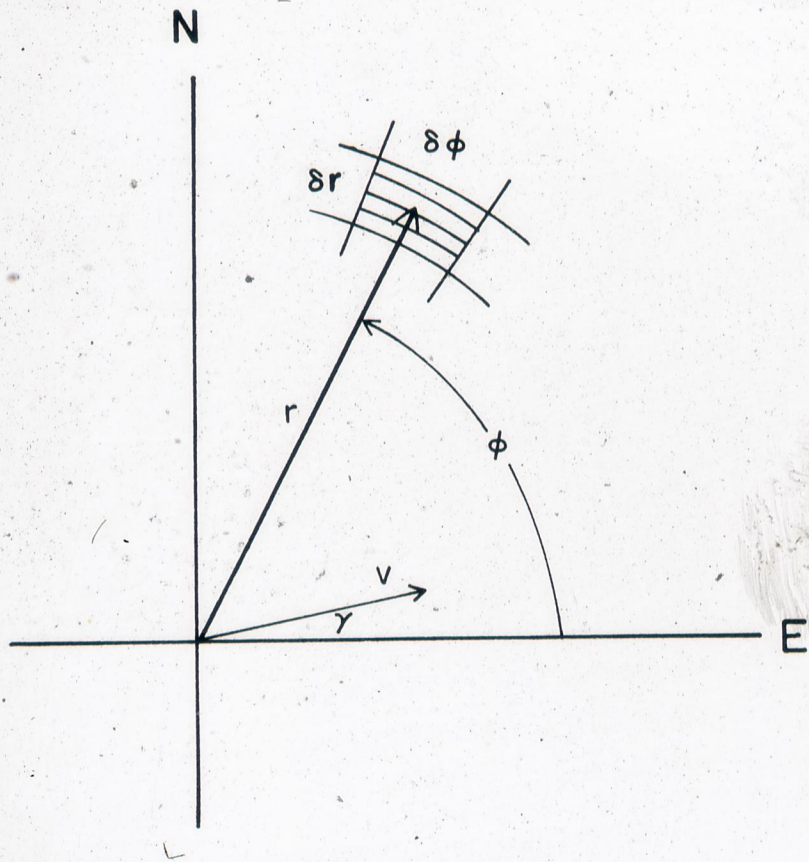
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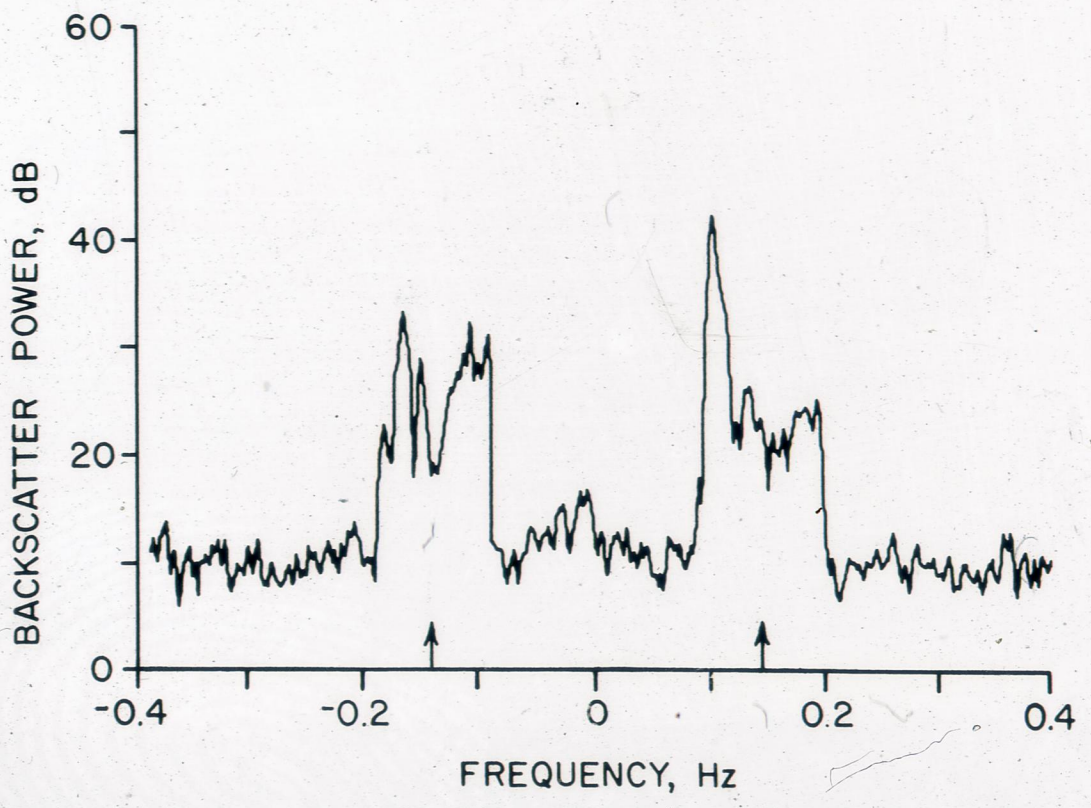
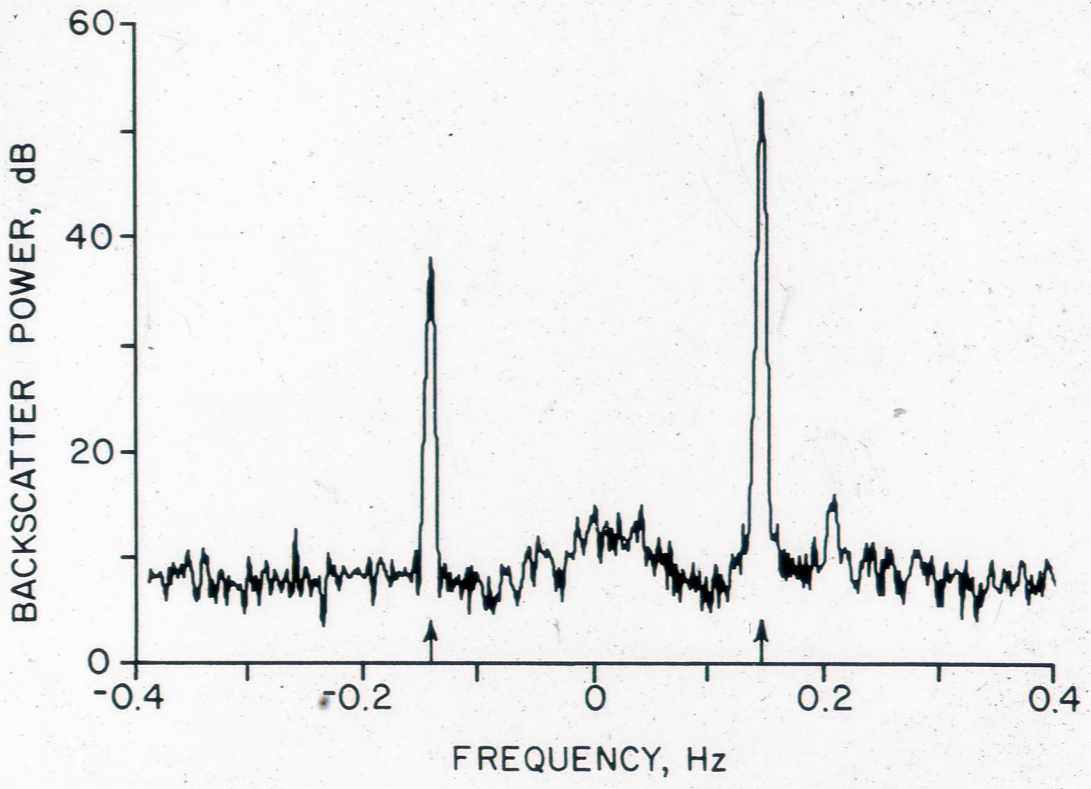
Directional wave spectra

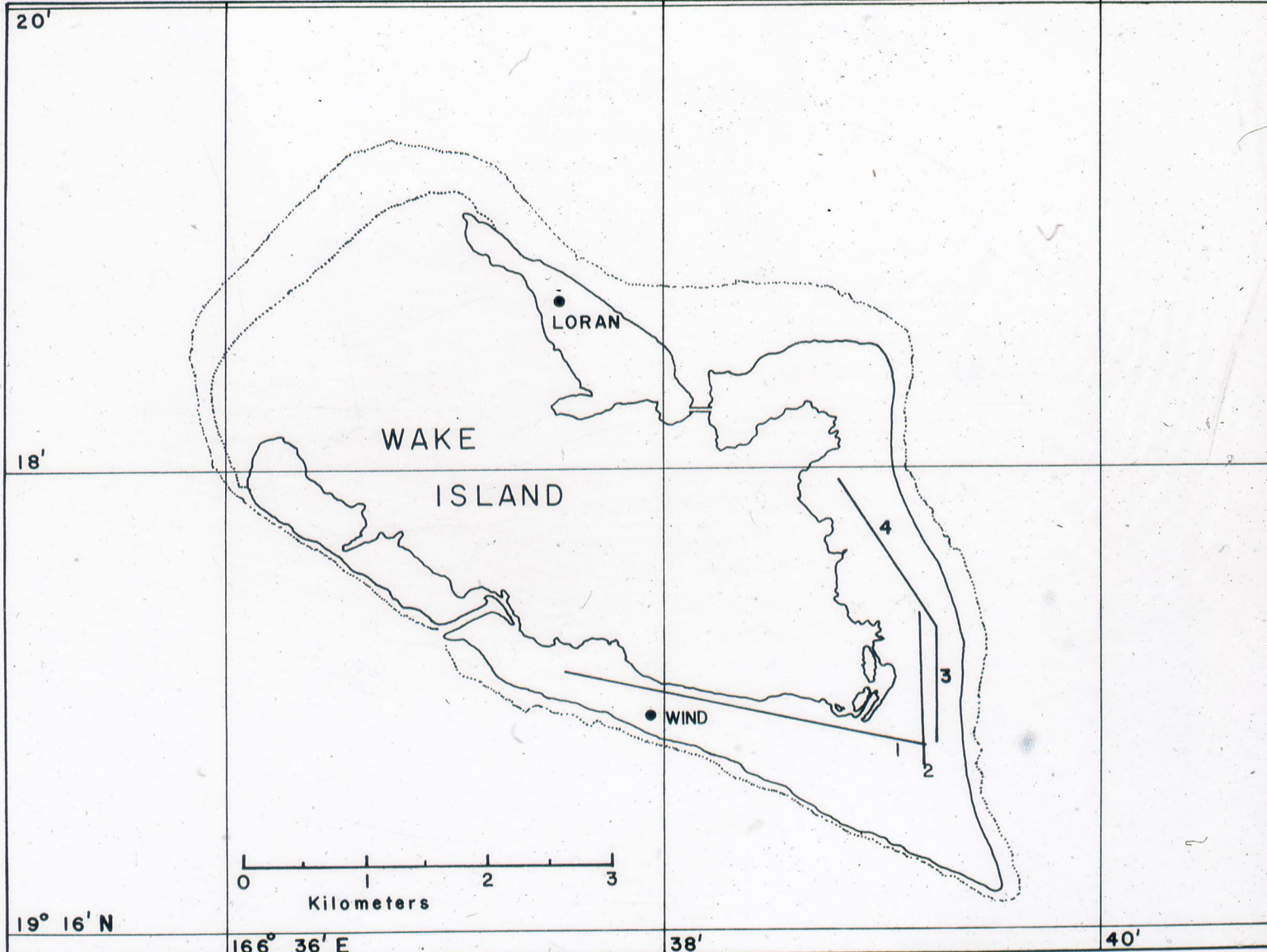
1. Graph
2. Backscatter power vs. frequency - Graphs
3. Wake Island - Diagram
4. Graph
5. Wind speed and wind direction - Graph, 1972 November 11-19
6. Graph
7. Graph, 1972 November 13-15
8. Graph, 1972 November 13-15
9. Graph, 1972 November 13-15
10. Graph
11. Graph, 1972 November 14-15
12. Graph, 1973 January 17
13. Graph, 1973 May 24
14. North Atlantic Ocean weather data - Chart, 1972 April 20
15. Graph, 1973 May 24
16. Graph, 1973 May 24
17. Graph
18. Location of current drogue
19. San Clemente Island - Data, 1973 January 17

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20'

18'

19° 16' N



166° 36' E

38'

40'

LORAN

WAKE
ISLAND

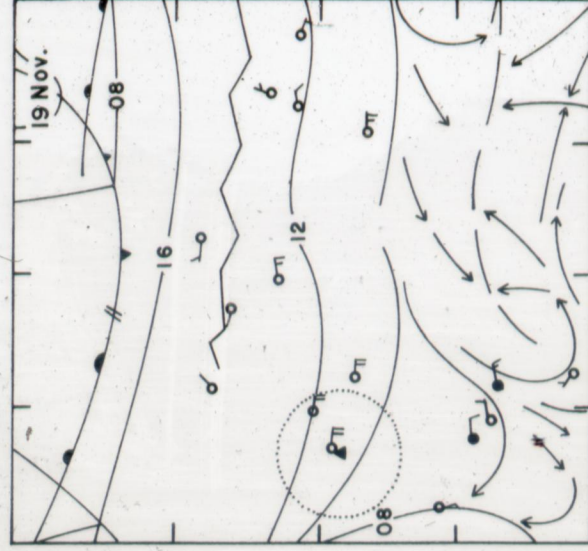
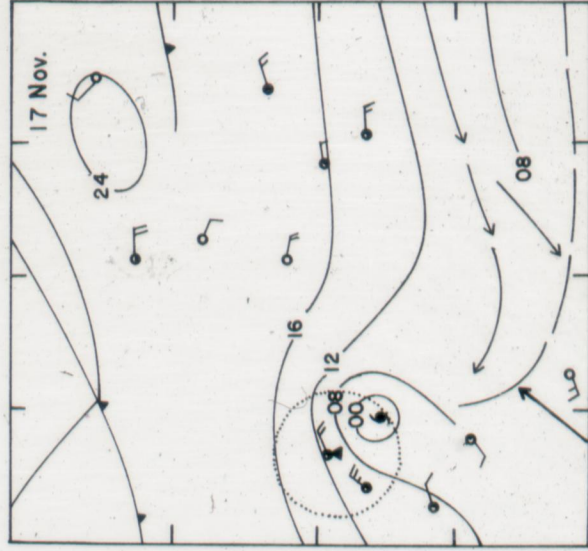
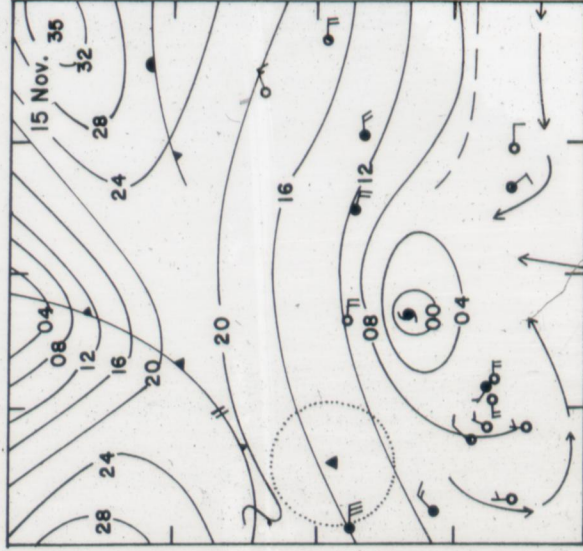
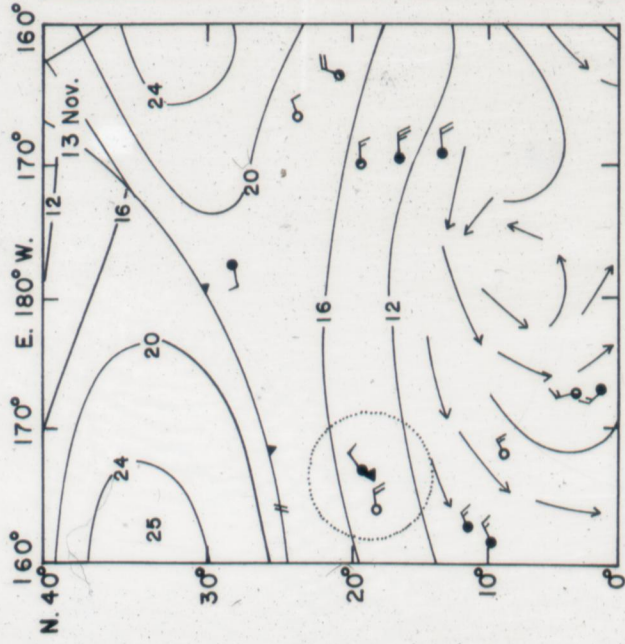
WIND

4

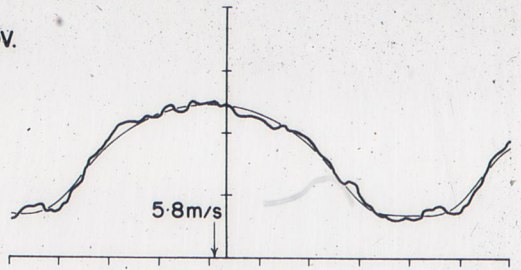
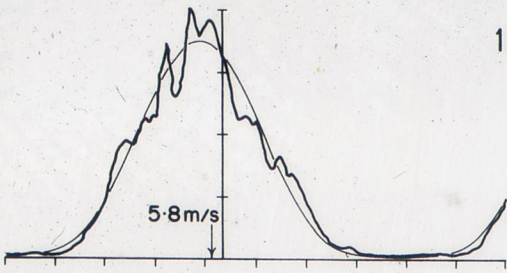
3

2

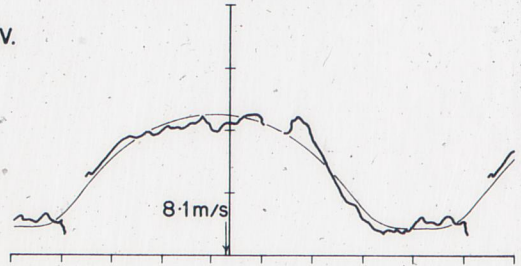
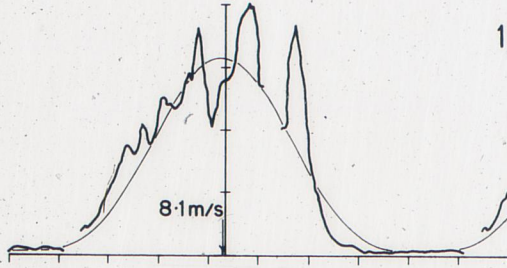
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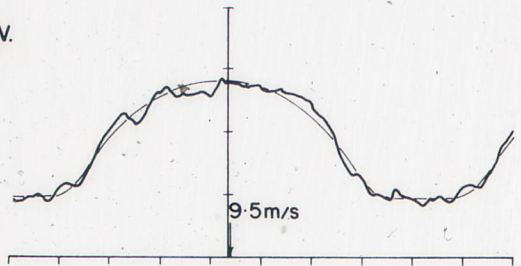
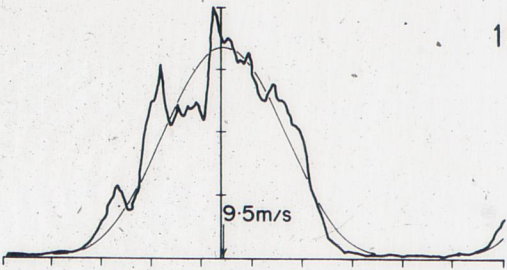
12 Nov.



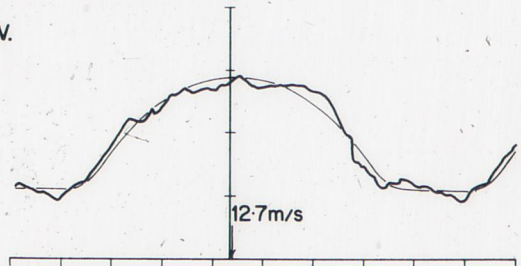
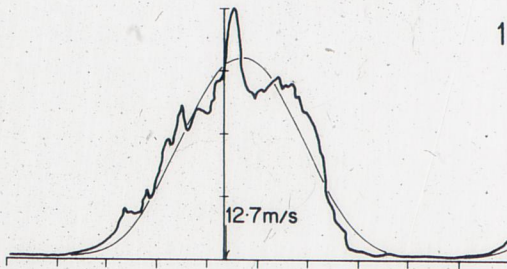
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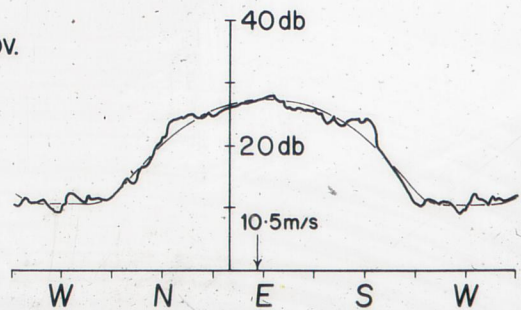
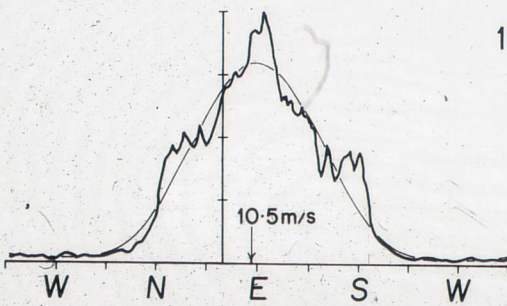
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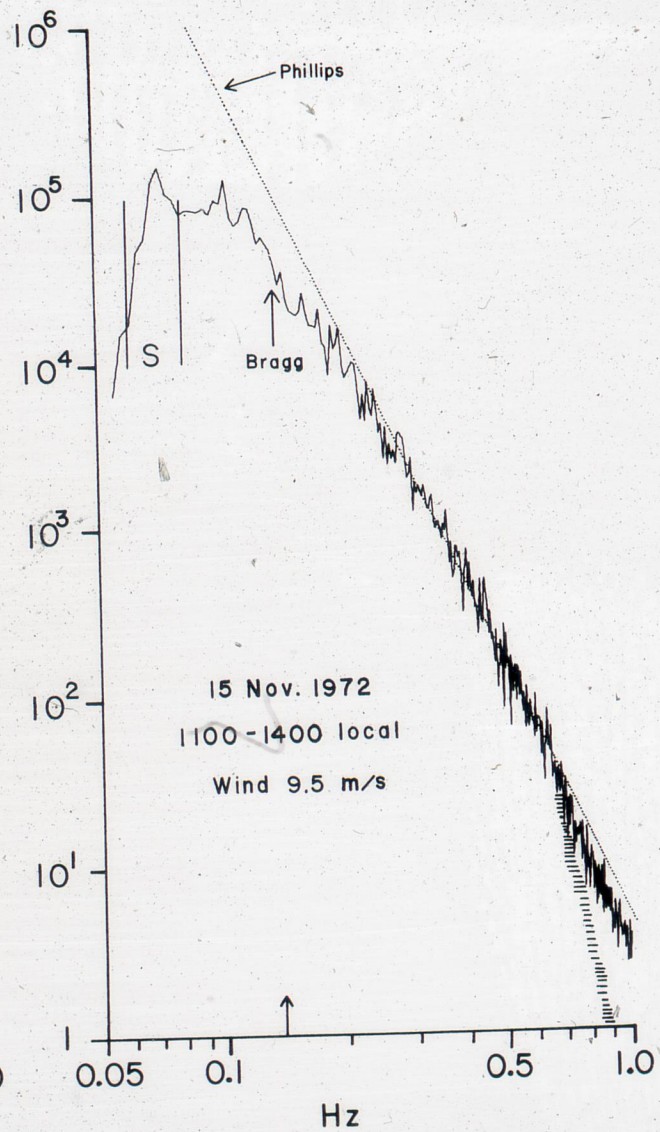
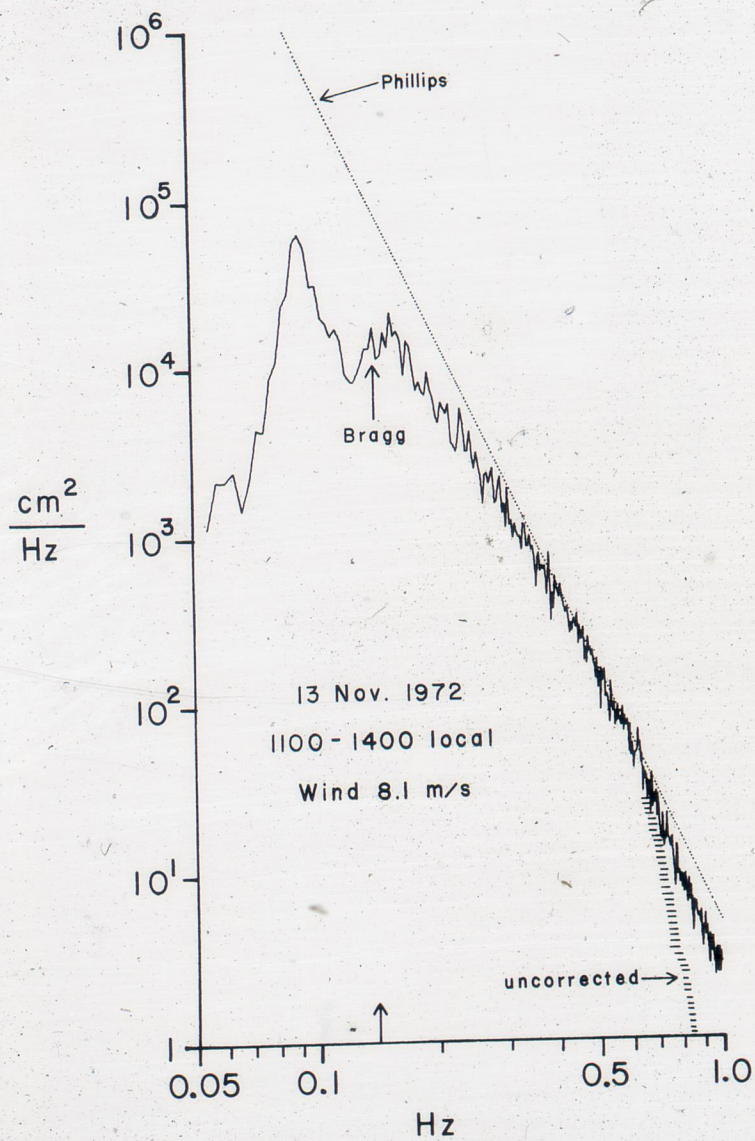


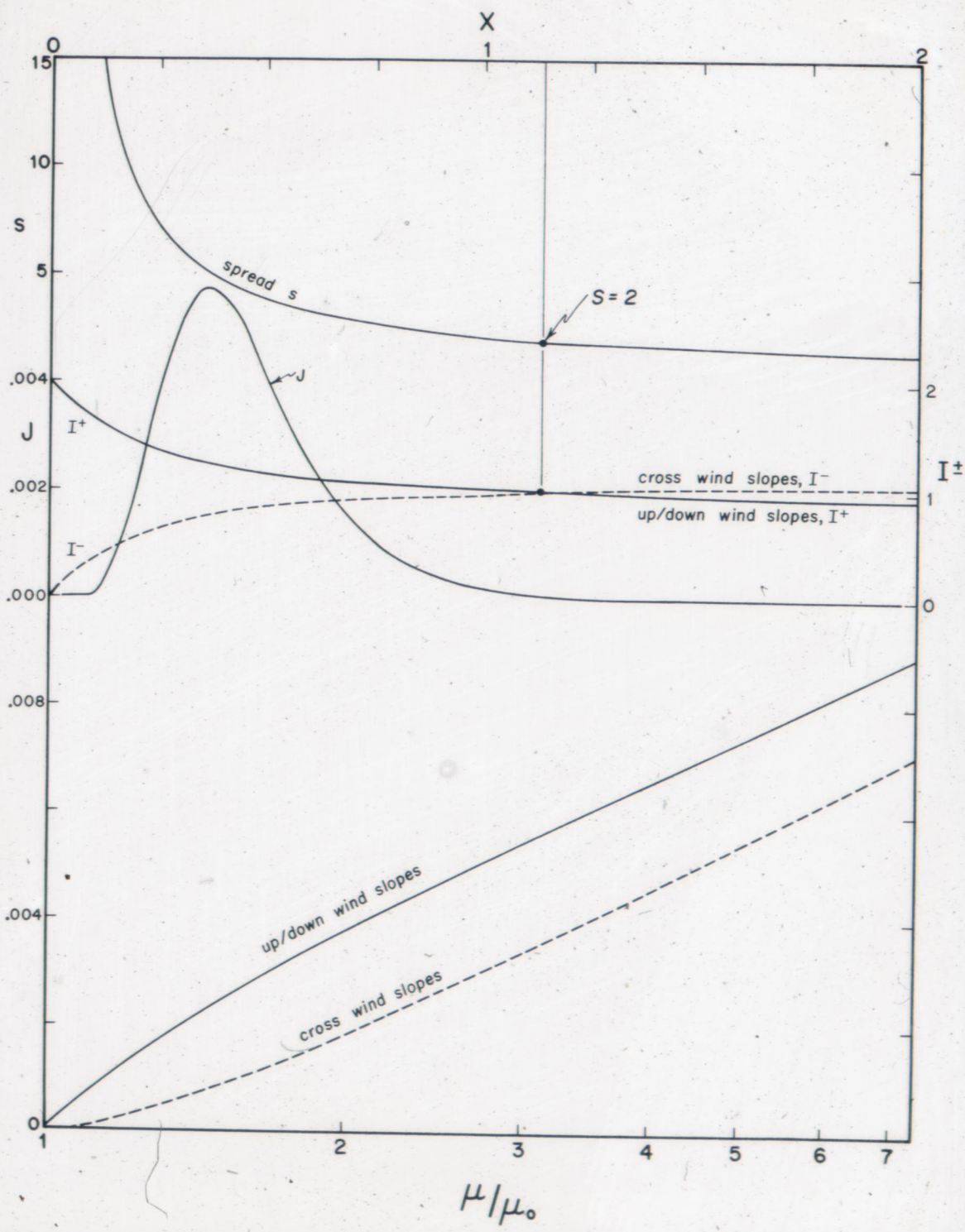
17 Nov.

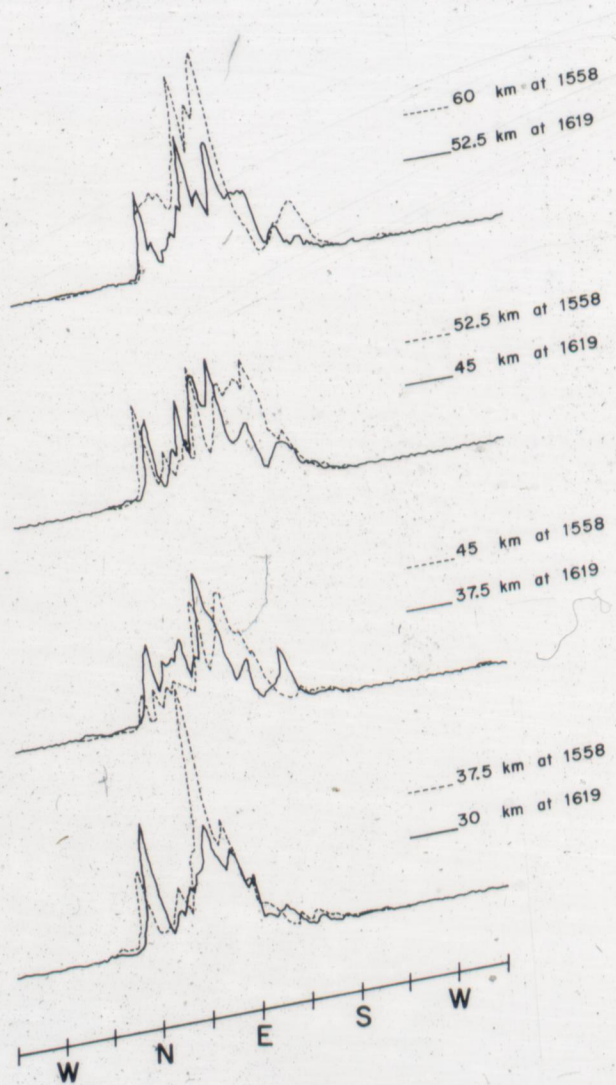


19 Nov.

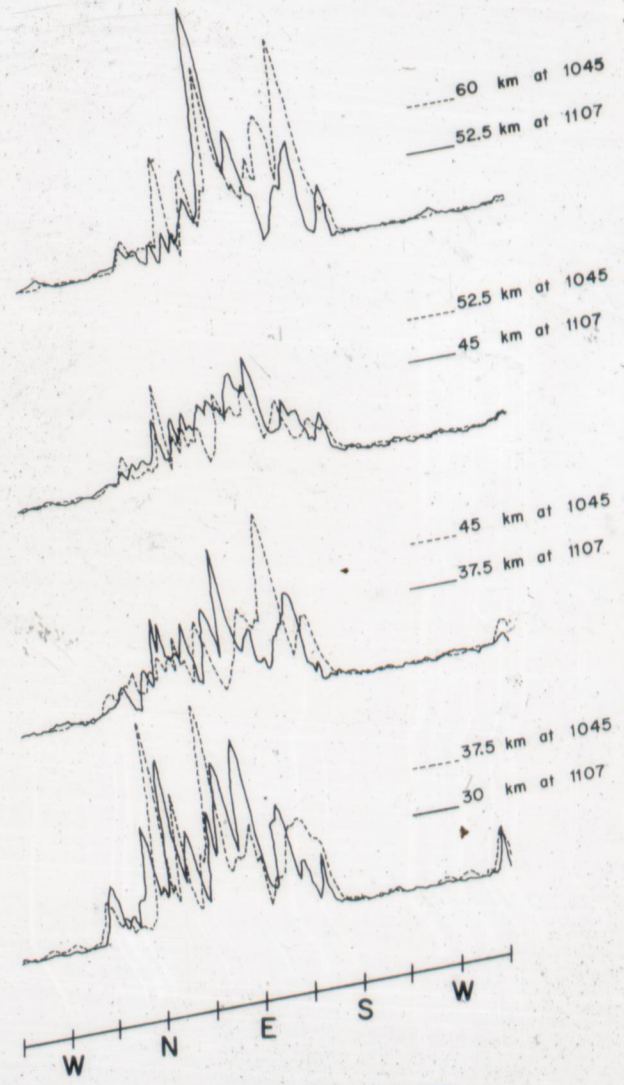




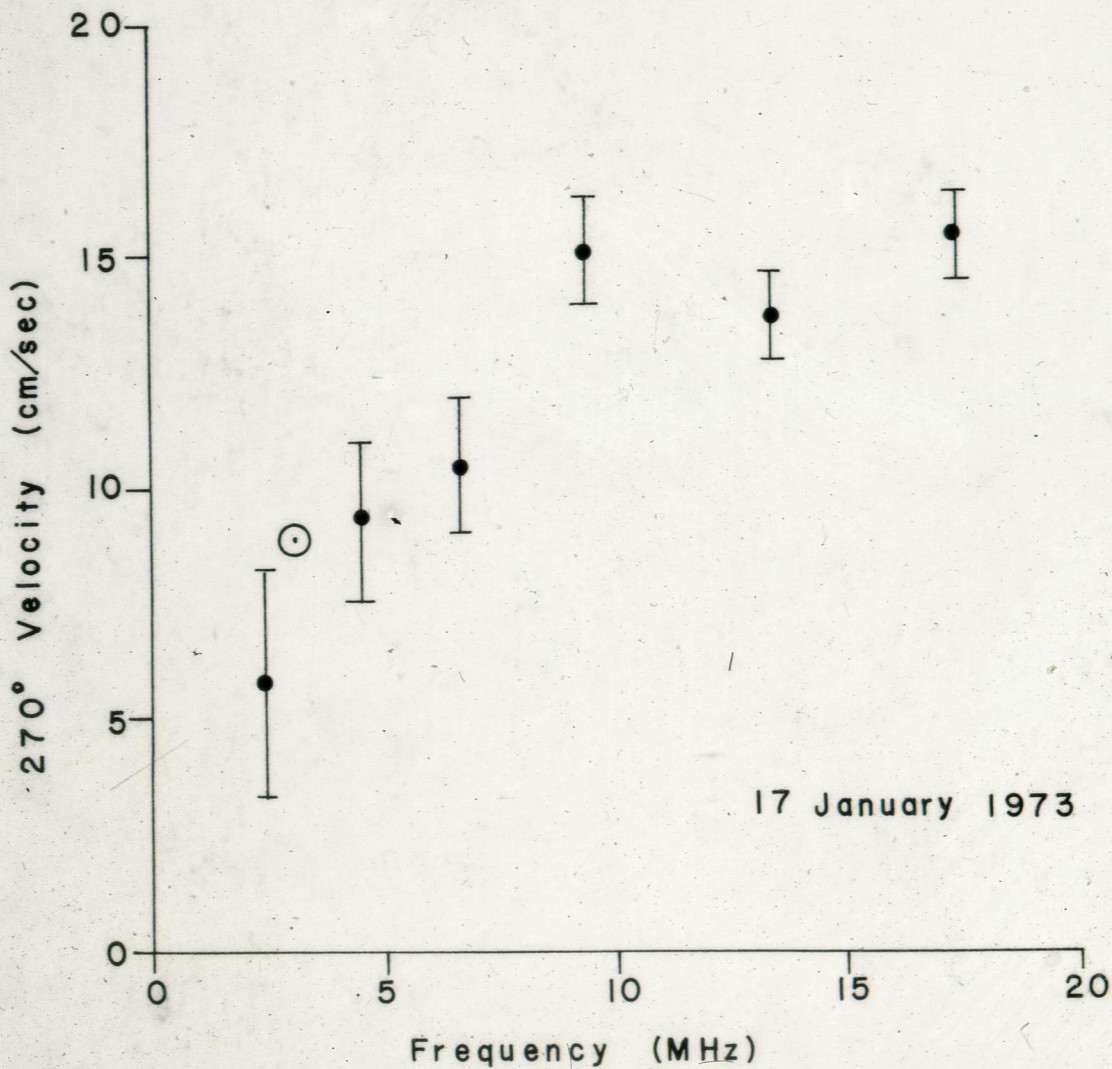
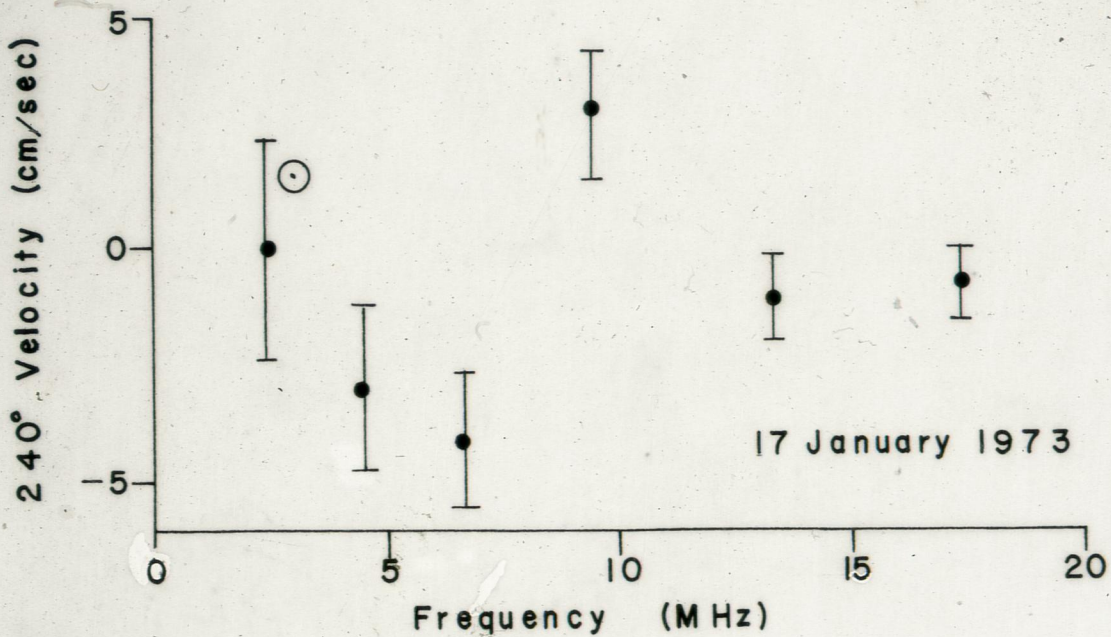


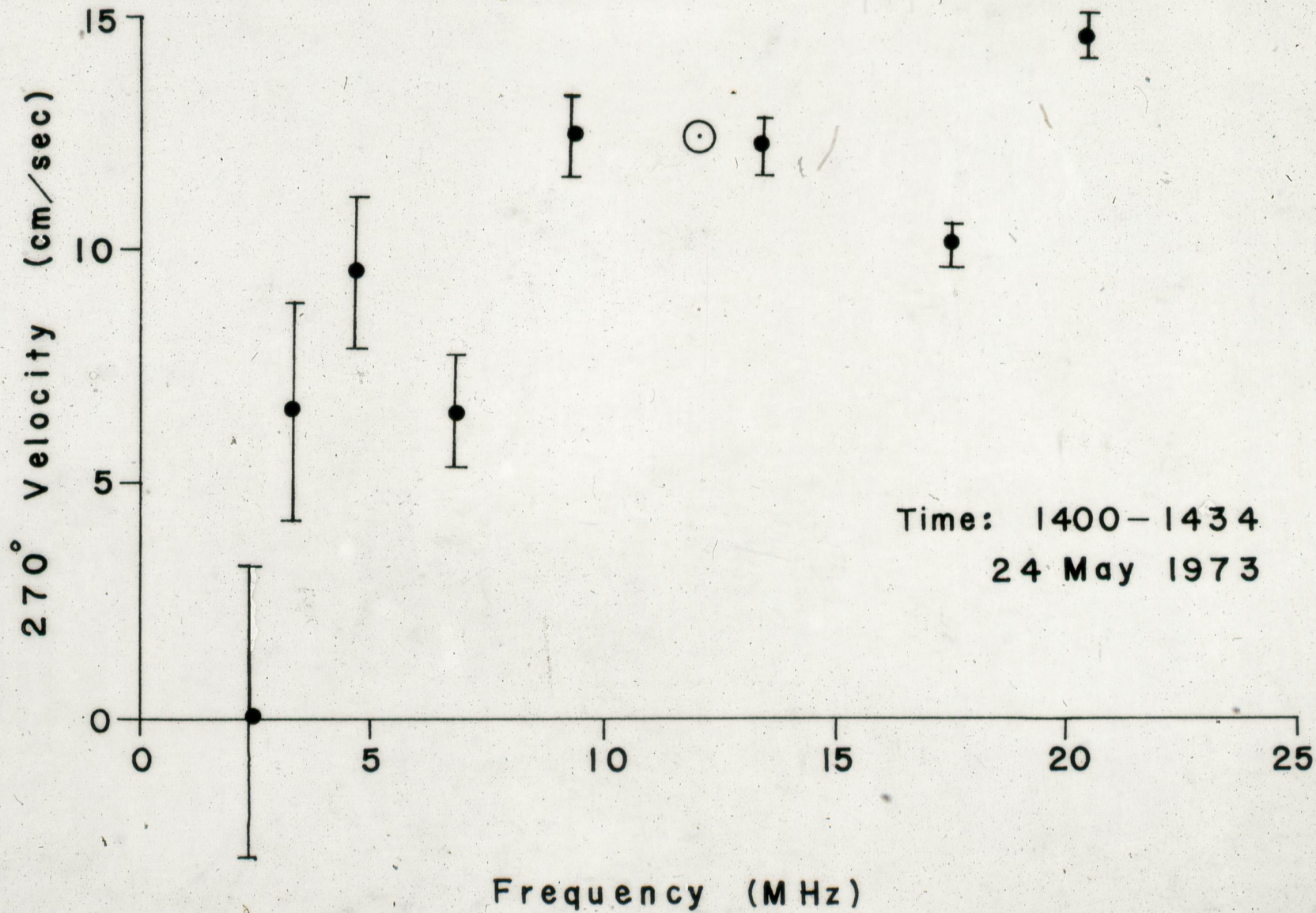


14 Nov 1972



15 Nov 1972





RADAR COLLECTION PERIOD FROM 1640 Z TO 1730 Z
 WEATHER DATA TAKEN FROM SURFACE CHART MARKED 1800 Z

1. WEATHER MAP SYMBOLS

a. WIND DIRECTION



b. WIND SPEED

EACH FULL BAR = 10 KNOTS

EX. = 20 KNOTS.

EACH HALF BAR = 5 KNOTS

EX. = 15 KNOTS

2. RADAR SYMBOLS

a. = DIRECTION ONLY

VELOCITY DATA NOT AVAILABLE

b. EACH FULL BAR = 10 KNOTS

EX. = 20 KNOTS

c. EACH HALF BAR = 5 KNOTS

EX. = 15 KNOTS

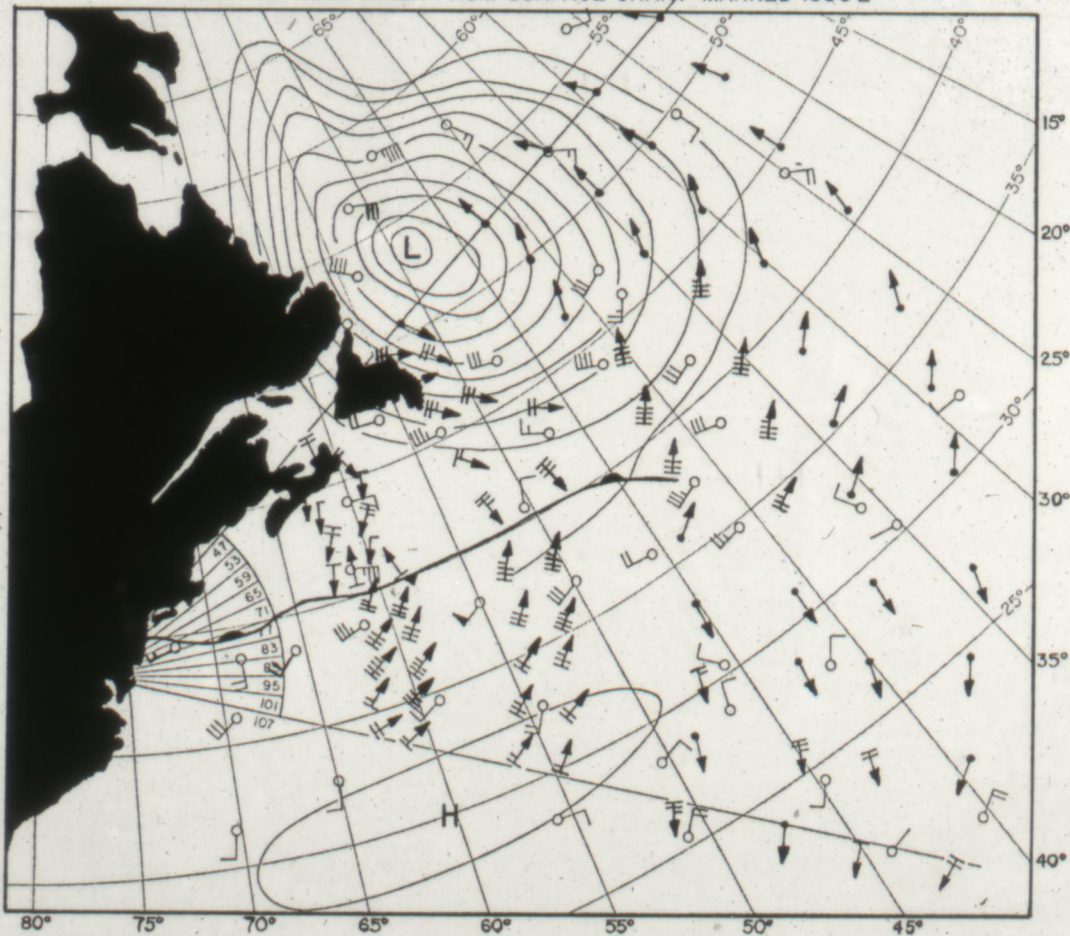
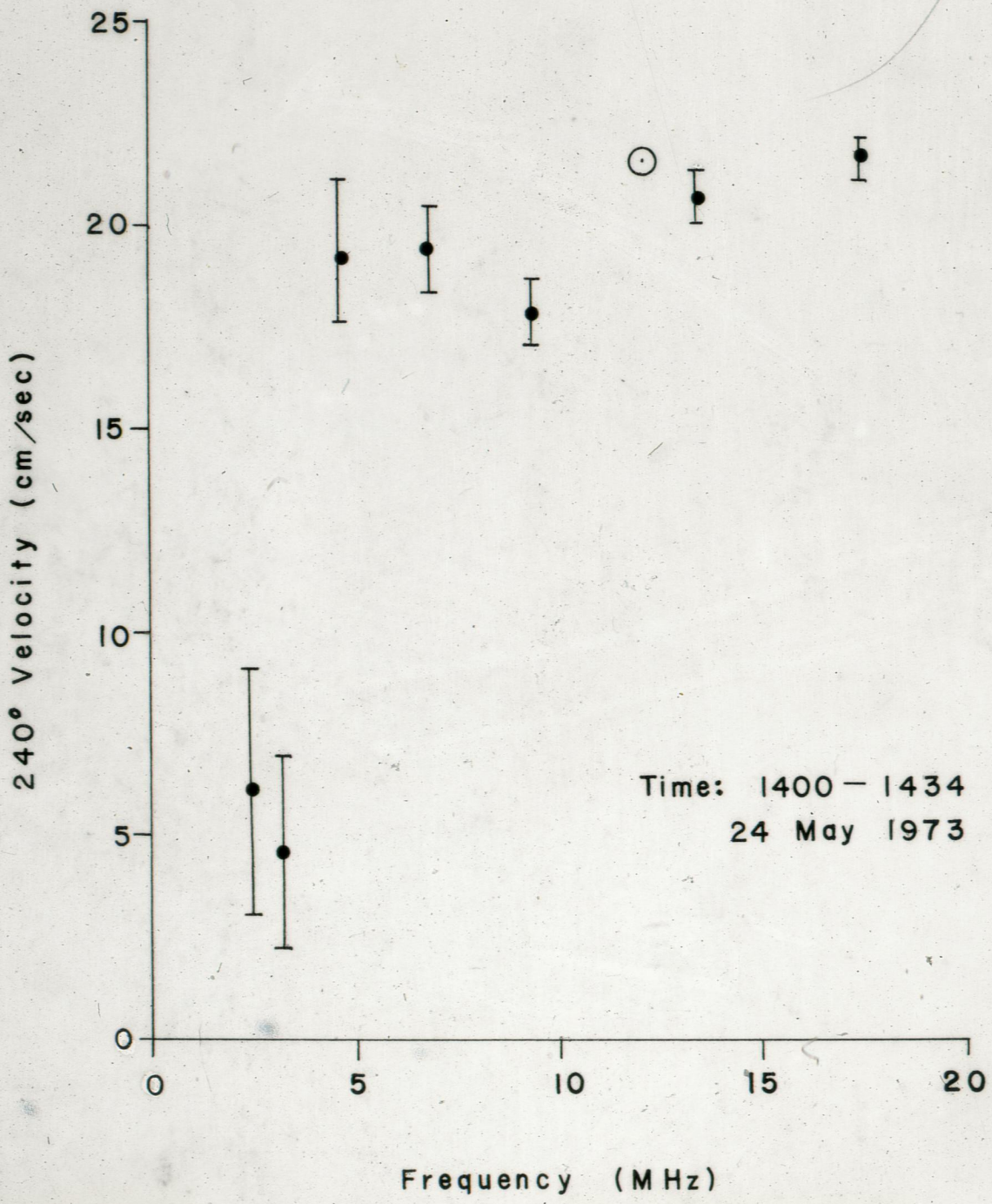
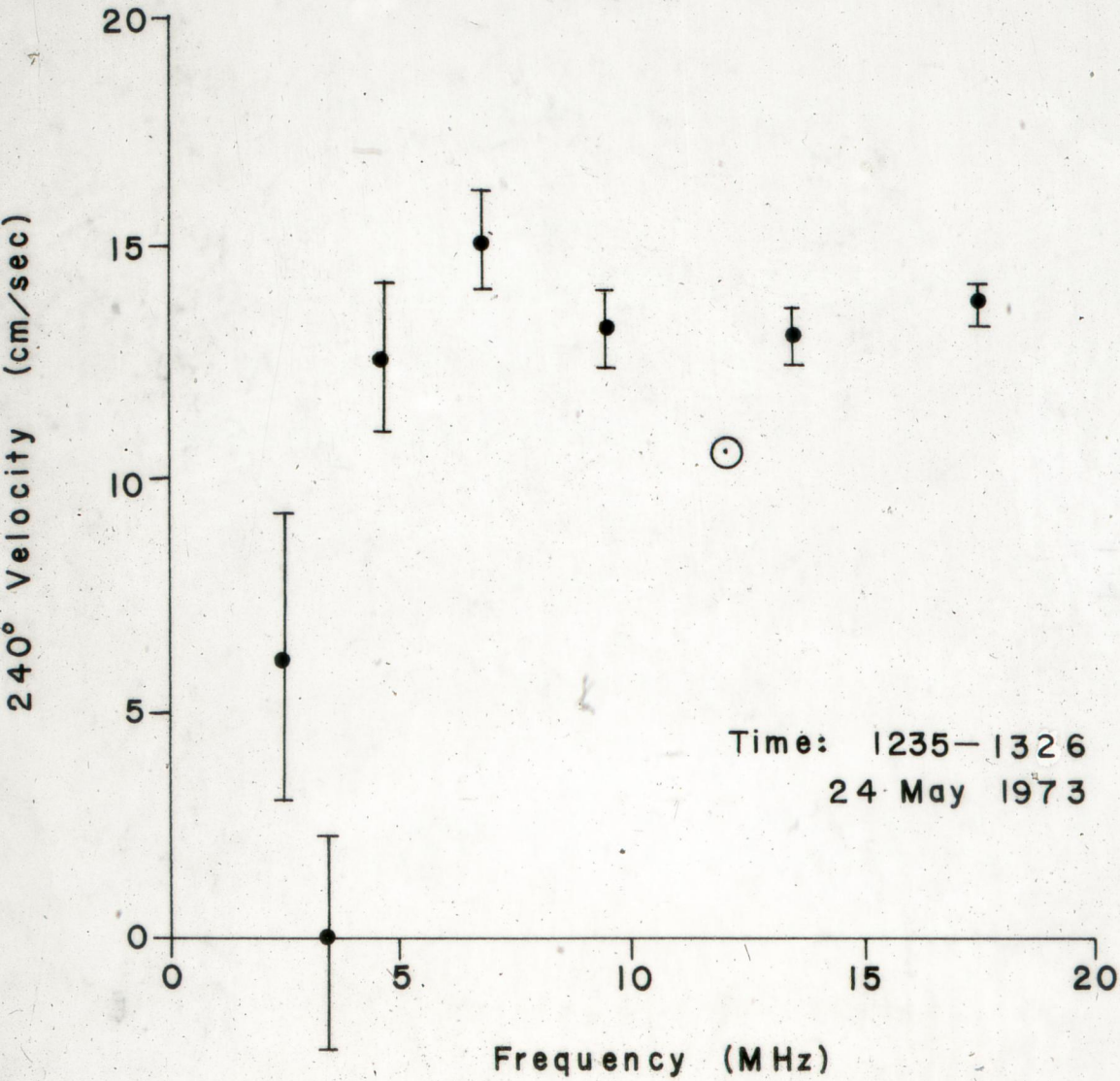
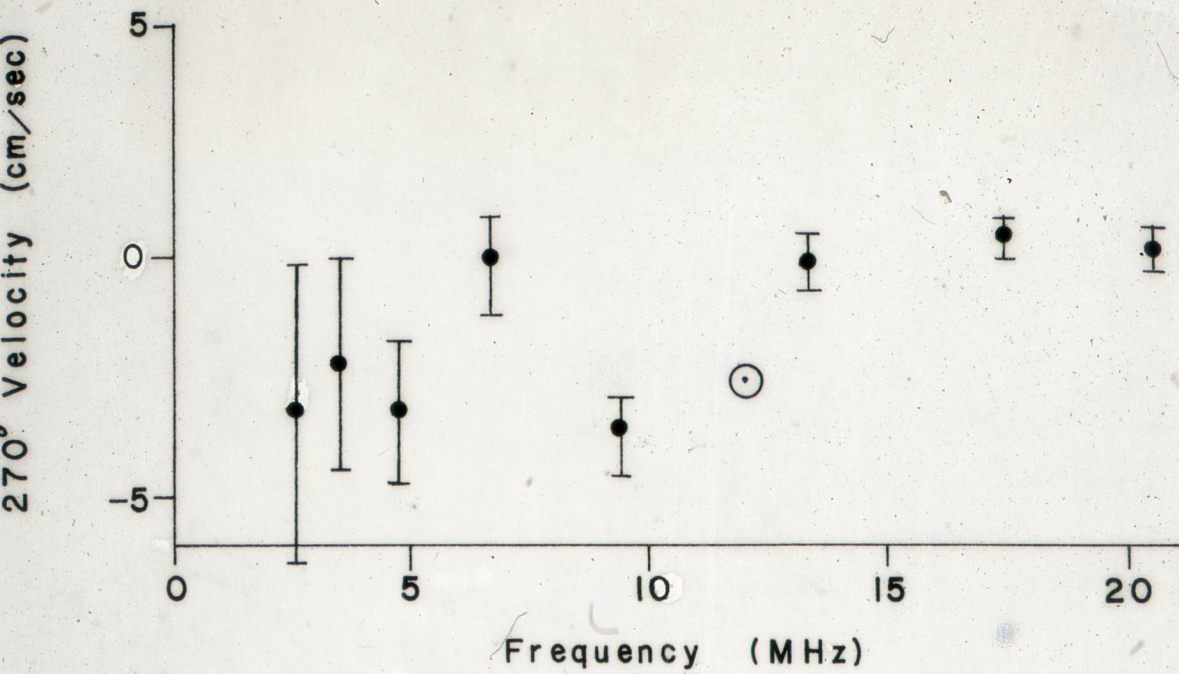
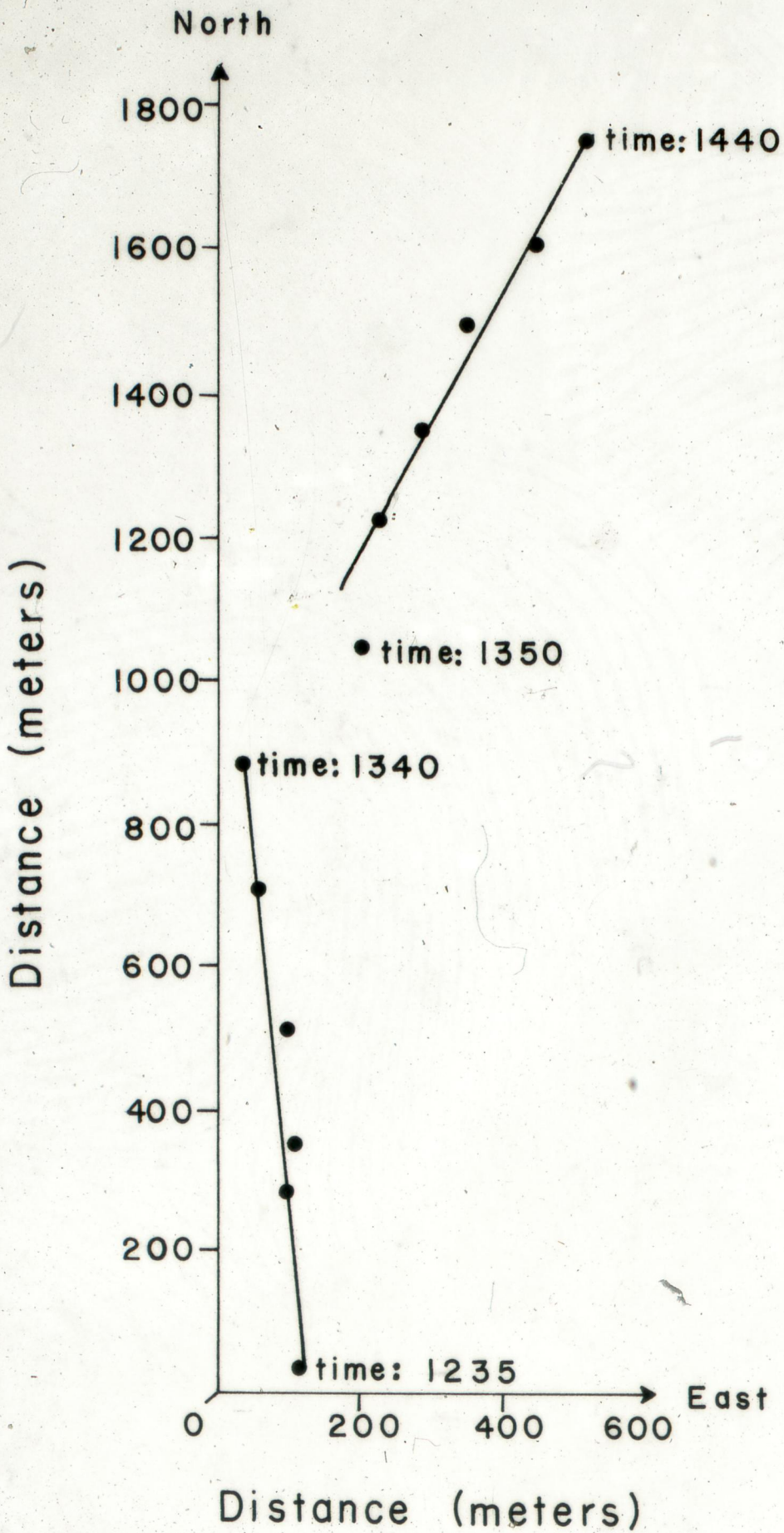


FIGURE 10

From DETERMINATION OF OCEAN SURFACE CONDITIONS BY LONG RANGE
 RADAR REFLECTIONS by S. R. Curley, J. Headrick and J. Ahearn







Pacific Ocean

San Clemente
Island

X indicates position
of current drogue

340° T

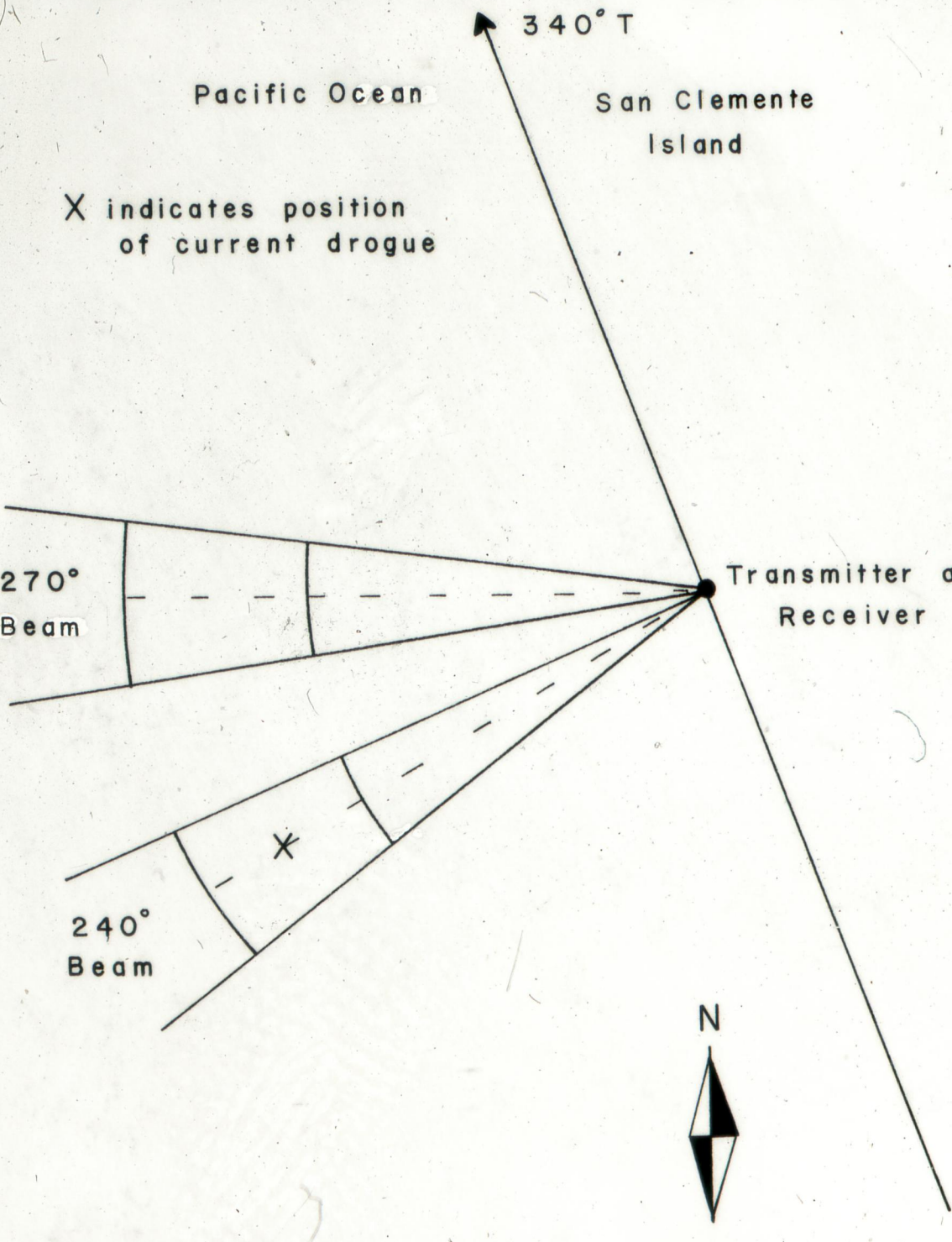
Transmitter and
Receiver

270°
Beam

240°
Beam



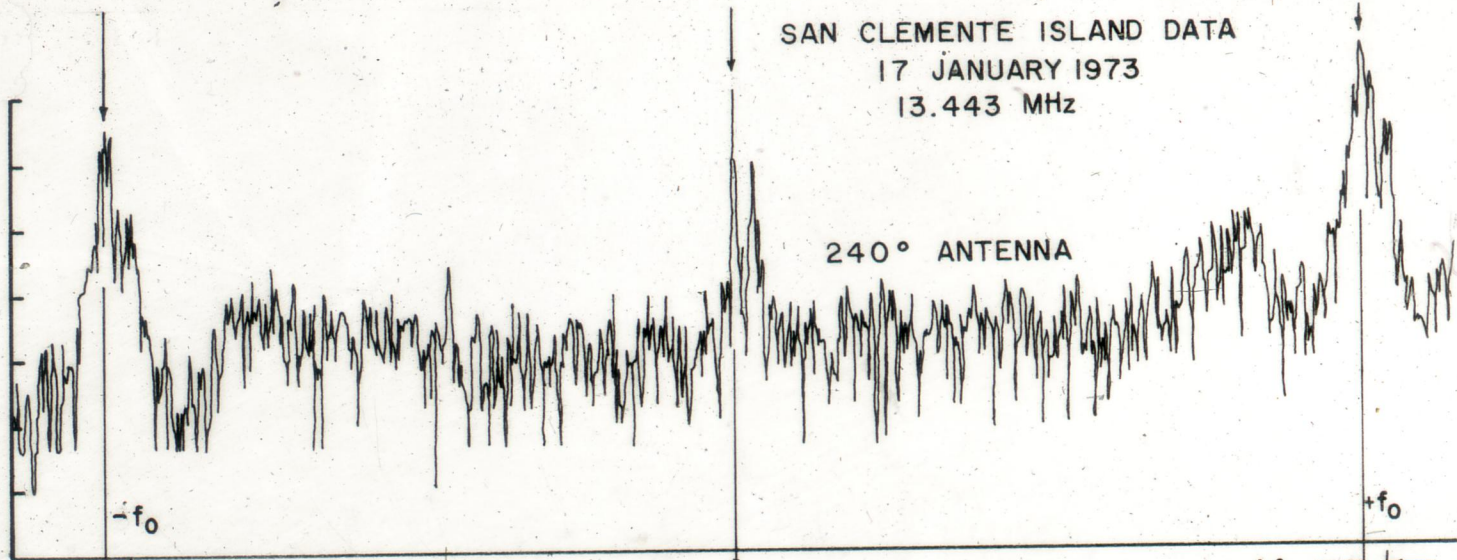
20 kilometers



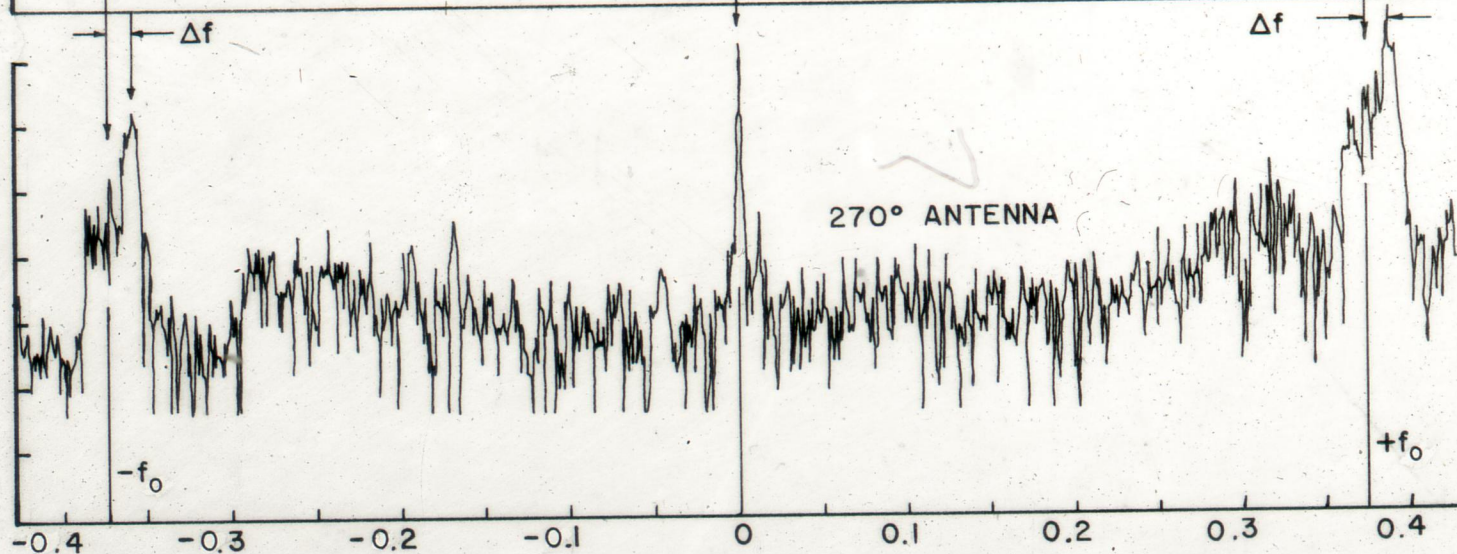
SAN CLEMENTE ISLAND DATA
17 JANUARY 1973
13.443 MHz

240° ANTENNA

RECEIVED POWER
ARBITRARY LOG SCALE



270° ANTENNA



DOPPLER FREQUENCY Hz