Frequencies:

h(max) range (feet)	t(max) range (seconds) 2.00–2.10	2.10–2.20	2.20–2.30	2.30–2.40	2.40–2.50	2.50–2.60	2.60–2.70	2.70–2.80	2.80–2.90	2.90–3.00	3.00–3.10	3.10–3.20	3.20–3.30	3.30–3.40	3.40–3.50	> 3.50	total
1.00– 1.10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.10– 1.20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.20– 1.30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.30– 1.40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.40– 1.50	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
1.50– 1.60	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
1.60– 1.70	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
1.70– 1.80	1	0	0	0	0	6	0	0	0	0	1	0	0	0	0	0	8
1.80– 1.90	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	5
1.90– 2.00	1	0	0	0	0	7	0	0	0	0	1	0	0	0	0	0	9
2.00– 2.10	1	0	0	0	0	19	0	0	0	0	1	0	0	0	0	0	21
2.10– 2.20	3	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	25
2.20– 2.30	0	0	0	0	0	33	0	0	0	0	1	0	0	0	0	1	35
2.30– 2.40	2	0	0	0	0	29	0	0	0	0	2	0	0	0	0	0	33
2.40– 2.50	0	0	0	0	0	12	0	0	0	0	3	0	0	0	0	0	15
2.50– 2.60	0	0	0	0	0	14	0	0	0	0	1	0	0	0	0	0	15
2.60– 2.70	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
2.70– 2.80	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
2.80– 2.90	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	4
2.90– 3.00	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	2
3.00– 3.10	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
3.10– 3.20	0	0	0	0	0	3	0	0	0	0	1	0	0	0	0	0	4
3.20– 3.30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.30– 3.40	0	0	0	0	0	1	0	0	0	0	3	0	0	0	0	0	4
3.40– 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.50– 3.60	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	2
3.60– 3.70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.70– 3.80	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
3.80– 3.90	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
3.90– 4.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.00– 4.10	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
4.10– 4.20	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
4.20– 4.30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.30– 4.40	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
4.40– 4.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.50– 4.60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.60– 4.70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.70– 4.80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.80– 4.90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.90– 5.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
> 5.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	9	0	0	0	0	163	0	0	0	0	25	0	0	0	0	3	200

total time period spanned (hours) = 796
sample interval (hours) = 4
total possible observations = 200
actual observations = 200

Table B2. PT. THOMSON STATION Q - SIGNIFICANT WAVE HEIGHT VS. SIGNIFICANT WAVE PERIOD

0550, 2 AUGUST TO 0950, 4 SEPTEMBER, 1982

Frequencies:

h(s) range (feet)	t(s) range (seconds) 2.00 2.10	2.10 2.20	2.20 2.30	2.30 2.40	2.40 2.50	2.50 2.60	2.60 2.70	2.70 2.80	2.80 2.90	2.90 3.00	3.00 3.10	3.10 3.20	> 3.20	total
0.00- 0.10	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.10- 0.20	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.20- 0.30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.30- 0.40	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.40- 0.50	0	0	0	0	0	0	0	1	0	0	0	0	0	1
0.50- 0.60	0	0	0	0	0	1	0	1	0	0	0	0	0	2
0.60- 0.70	0	0	0	0	0	2	0	0	0	0	0	0	0	2
0.70- 0.80	0	0	0	0	0	1	0	0	0	0	0	0	0	1
0.80- 0.90	0	0	0	0	0	1	0	0	0	0	0	0	0	1
0.90- 1.00	0	0	0	0	0	1	0	0	0	0	0	0	0	1
1.00- 1.10	0	0	0	0	2	1	0	0	0	0	0	0	0	3
1.10- 1.20	0	0	0	0	14	0	0	0	0	0	0	0	0	14
1.20- 1.30	0	0	0	0	30	5	0	0	0	0	0	1	0	36
1.30- 1.40	0	0	0	0	92	3	0	1	0	0	0	0	0	96
1.40- 1.50	0	0	0	0	14	2	0	0	0	0	0	0	0	16
1.50- 1.60	0	0	0	0	0	3	1	0	0	0	0	0	0	4
1.60- 1.70	0	0	0	0	0	1	2	0	0	0	0	0	0	3
1.70- 1.80	0	0	0	0	0	0	2	0	0	0	0	0	0	2
1.80- 1.90	0	0	0	0	0	0	0	2	0	0	0	0	0	2
1.90- 2.00	0	0	0	0	0	0	2	0	0	0	0	0	0	2
2.00- 2.10	0	0	0	0	0	0	0	2	2	0	0	0	0	4
2.10- 2.20	0	0	0	0	0	0	0	1	1	2	0	0	0	4
2.20- 2.30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.30- 2.40	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.40- 2.50	0	0	0	0	0	0	0	0	0	2	2	0	0	4
2.50- 2.60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.60- 2.70	0	0	0	0	0	0	0	0	0	0	0	1	0	1
2.70- 2.80	0	0	0	0	0	0	0	0	0	0	0	1	0	1
2.80- 2.90	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.90- 3.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
> 3.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	0	0	0	0	152	21	7	8	3	4	2	3	0	200

total time period spanned (hours) = 796
sample interval (hours) = 4
total possible observations = 200
actual observations = 200

Table B3. PT. THOMSON STATION Q - SPECTRAL SIGNIFICANT WAVE HEIGHT VS. SIGNIFICANT PERIOD

0550, 2 AUGUST TO 0950, 4 SEPTEMBER, 1982

Frequencies:

spec. h(s) range (feet)	spec. t(s) range (seconds) 2.00 2.10	2.10 2.20	2.20 2.30	2.30 2.40	2.40 2.50	2.50 2.60	2.60 2.70	2.70 2.80	2.80 2.90	2.90 3.00	3.00 3.10	3.10 3.20	3.20 3.30	3.30 3.40	3.40 3.50	> 3.50	total
1.00- 1.10	0	0	0	0	122	0	0	0	0	0	0	0	0	0	0	0	122
1.10- 1.20	0	0	0	0	38	7	0	0	0	0	0	0	0	0	0	0	45
1.20- 1.30	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
1.30- 1.40	0	0	0	0	0	6	3	0	0	0	0	0	0	0	0	0	9
1.40- 1.50	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	6
1.50- 1.60	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
1.60- 1.70	0	0	0	0	0	0	0	4	2	0	0	0	0	0	0	0	6
1.70- 1.80	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
1.80- 1.90	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
1.90- 2.00	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
2.00- 2.10	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2
2.10- 2.20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.20- 2.30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.30- 2.40	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
2.40- 2.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
> 2.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	0	0	0	0	160	16	9	5	3	5	1	0	1	0	0	0	200

total time period spanned (hours) = 796
sample interval (hours) = 4
total possible observations = 200
actual observations = 200

Table B4. SIGNIFICANT WAVE HEIGHT PERSISTENCE - PT. THOMSON STATION Q
0550, 2 AUGUST TO 0950, 4 SEPTEMBER, 1982

PERCENT DURATION

HOURS, DAYS DURATION

feet	>3h	>6h	>12h	>18h	>24h	>36h	>2d	>4d	>6d	>8d	>10d	>12d	TOTAL SAMPLES
>1	96.9	93.7	87.4	81.4	75.8	67.1	58.3	26.8	7.1				769
>1.25	85.0	71.7	50.7	36.7	27.9	18.2	10.3						654
>1.5	89.3	80.6	68.9	57.3	45.6	22.3	8.7						103
>1.75	92.1	84.2	68.4	52.6	36.8	10.5							76
>2	83.6	67.3	34.5	16.4	5.5								55
>2.25	76.0	52.0	8.0										25
>2.5	45.5	9.1											11
>2.75													1

largest screened value = 2.75 feet
total time period spanned (hours) = 796
sample interval (hours) = 1
total possible samples = 797
actual samples = 797

Table B5. SPECTRAL SIGNIFICANT WAVE HEIGHT PERSISTENCE - PT. THOMSON STATION Q
0550, 2 AUGUST TO 0950, 4 SEPTEMBER, 1982

PERCENT DURATION

HOURS, DAYS DURATION

feet	>3h	>6h	>12h	>18h	>24h	>36h	>2d	>4d	>6d	>8d	>10d	>12d	TOTAL SAMPLES
>.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	797
>.75	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	797
>1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	797
>1.25	80.6	71.0	61.5	52.9	42.9	22.7	12.6						124
>1.5	81.3	64.1	35.9	18.8	9.4								64
>1.75	70.0	46.7	10.0										30
>2													8
>2.25													1

largest screened value = 2.37 feet
total time period spanned (hours) = 796
sample interval (hours) = 1
total possible samples = 797
actual samples = 797

Table B6. PT. THOMSON STATION Y - MAXIMUM WAVE HEIGHT VS. ASSOCIATED PERIOD

2015, 27 JULY TO 2015, 2 SEPTEMBER, 1982

Frequencies:

h(max) range (feet)	t(max) range (seconds) 2.00 2.10	2.10 2.20	2.20 2.30	2.30 2.40	2.40 2.50	2.50 2.60	2.60 2.70	2.70 2.80	2.80 2.90	2.90 3.00	3.00 3.10	3.10 3.20	3.20 3.30	3.30 3.40	3.40 3.50	> 3.50	total
1.00- 1.10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.10- 1.20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.20- 1.30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.30- 1.40	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
1.40- 1.50	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	3
1.50- 1.60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.60- 1.70	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	2
1.70- 1.80	2	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	10
1.80- 1.90	5	0	0	0	0	25	0	0	0	0	0	0	0	0	0	1	31
1.90- 2.00	9	0	0	0	0	31	0	0	0	0	0	0	0	0	0	0	40
2.00- 2.10	7	0	0	0	0	35	0	0	0	0	0	0	0	0	0	0	42
2.10- 2.20	13	0	0	0	0	32	0	0	0	0	0	0	0	0	0	0	45
2.20- 2.30	5	0	0	0	0	10	0	0	0	0	1	0	0	0	0	0	16
2.30- 2.40	2	0	0	0	0	5	0	0	0	0	1	0	0	0	0	0	8
2.40- 2.50	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
2.50- 2.60	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
2.60- 2.70	1	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	4
2.70- 2.80	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
2.80- 2.90	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
2.90- 3.00	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
3.00- 3.10	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
3.10- 3.20	0	0	0	0	0	5	0	0	0	0	1	0	0	0	0	0	6
3.20- 3.30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.30- 3.40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.40- 3.50	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
3.50- 3.60	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
3.60- 3.70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
> 3.70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	45	0	0	0	0	170	0	0	0	0	6	0	0	0	0	2	223

total time period spanned (hours) = 888
sample interval (hours) = 4
total possible observations = 223
actual observations = 223

Table B7. PT. THOMSON STATION Y SIGNIFICANT WAVE HEIGHT VS. SIGNIFICANT WAVE PERIOD

2015, 27 JULY TO 2015, 2 SEPTEMBER, 1982

Frequencies:

h(s) range (feet)	t(s) range (seconds) 2.00 2.10	2.10 2.20	2.20 2.30	2.30 2.40	2.40 2.50	2.50 2.60	2.60 2.70	2.70 2.80	2.80 2.90	2.90 3.00	> 3.00	total
0.00- 0.10	0	0	0	0	0	0	0	0	0	0	0	0
0.10- 0.20	0	0	0	0	0	0	0	0	0	0	0	0
0.20- 0.30	0	0	0	0	0	0	0	0	0	0	0	0
0.30- 0.40	0	0	0	0	0	0	0	0	0	0	0	0
0.40- 0.50	0	0	0	0	0	0	0	0	0	0	0	0
0.50- 0.60	0	0	0	0	1	0	0	0	0	0	0	1
0.60- 0.70	0	0	0	1	2	0	0	0	0	0	0	3
0.70- 0.80	0	0	0	1	1	0	0	0	0	0	0	2
0.80- 0.90	0	0	0	5	1	0	0	0	0	0	0	6
0.90- 1.00	0	0	0	3	1	0	1	0	0	0	0	5
1.00- 1.10	0	0	0	45	1	0	0	0	0	0	0	46
1.10- 1.20	0	0	0	129	1	0	0	0	0	0	0	130
1.20- 1.30	0	0	0	1	3	1	0	0	0	0	0	5
1.30- 1.40	0	0	0	0	4	1	0	0	0	0	0	5
1.40- 1.50	0	0	0	0	0	2	1	1	0	0	0	4
1.50- 1.60	0	0	0	0	0	1	1	0	0	0	0	2
1.60- 1.70	0	0	0	0	0	1	1	0	0	0	0	2
1.70- 1.80	0	0	0	0	0	0	4	4	1	0	0	9
1.80- 1.90	0	0	0	0	0	0	0	1	0	1	0	2
1.90- 2.00	0	0	0	0	0	0	0	0	0	1	0	1
> 2.00	0	0	0	0	0	0	0	0	0	0	0	0
total	0	0	0	185	15	6	8	6	1	2	0	223

total time period spanned (hours) = 886
sample interval (hours) = 4
total possible observations = 223
actual observations = 223

Table B8. PT. THOMSON STATION Y - SPECTRAL SIGNIFICANT WAVE HEIGHT VS. SIGNIFICANT PERIOD

2015, 27 JULYT TO 2015, 2 SEPTEMBER, 1982

Frequencies:

spec. h(s) range (feet)		spec. t(s) range (feet) 2.00 2.10	2.10 2.20	2.20 2.30	2.30 2.40	2.40 2.50	2.50 2.60	2.60 2.70	2.70 2.80	2.80 2.90	2.90 3.00	> 3.00	total
0.00-	0.10	0	0	0	0	0	0	0	0	0	0	0	0
0.10-	0.20	0	0	0	0	0	0	0	0	0	0	0	0
0.20-	0.30	0	0	0	0	0	0	0	0	0	0	0	0
0.30-	0.40	0	0	0	0	0	0	0	0	0	0	0	0
0.40-	0.50	0	0	0	0	0	0	0	0	0	0	0	0
0.50-	0.60	0	0	0	0	0	0	0	0	0	0	0	0
0.60-	0.70	0	0	0	0	0	0	0	0	0	0	0	0
0.70-	0.80	0	0	0	0	0	0	0	0	0	0	0	0
0.80-	0.90	0	0	0	155	0	0	0	0	0	0	0	155
0.90-	1.00	0	0	0	32	4	0	0	0	0	0	0	36
1.00-	1.10	0	0	0	0	11	0	0	0	0	0	0	11
1.10-	1.20	0	0	0	0	0	4	0	0	0	0	0	4
1.20-	1.30	0	0	0	0	0	2	3	0	0	0	0	5
1.30-	1.40	0	0	0	0	0	0	8	1	0	0	0	9
1.40-	1.50	0	0	0	0	0	0	0	2	1	0	0	3
1.50-	1.60	0	0	0	0	0	0	0	0	0	0	0	0
1.60-	1.70	0	0	0	0	0	0	0	0	0	0	0	0
1.70-	1.80	0	0	0	0	0	0	0	0	0	0	0	0
1.80-	1.90	0	0	0	0	0	0	0	0	0	0	0	0
1.90-	2.00	0	0	0	0	0	0	0	0	0	0	0	0
>	2.00	0	0	0	0	0	0	0	0	0	0	0	0
	total	0	0	0	187	15	6	11	3	1	0	0	223

total time period spanned (hours) = 888
sample interval (hours) = 4
total possible observations = 223
actual observations = 223

Table B9. SIGNIFICANT WAVE HEIGHT PERSISTENCE - PT. THOMSON STATION Y
2015, 257 JULY TO 2015, 2 SEPTEMBER, 1982

PERCENT DURATION

HOURS,DAYS DURATION

feet	>3h	>6h	>12h	>18h	>24h	>36h	>2d	>4d	>6d	>8d	>10d	>12d	TOTAL SAMPLES
>1	94.5	89.4	79.2	71.1	64.1	51.0	39.6	12.5	1.3				820
>1.25	82.2	66.4	48.6	37.4	26.2	5.6							107
>1.5	86.2	72.3	44.6	20.0	6.2								65
>1.75	54.2	25.0											24
>2													0
>2.25													0

largest screened value = 1.94 feet
total time period spanned (hours) = 888
sample interval (hours) = 1
total possible samples = 889
actual samples = 889

Table B10. SPECTRAL SIGNIFICANT WAVE HEIGHT PERSISTENCE - PT. THOMSON STATION Y
2015, 27 JULY TO 2015, 2 SEPTEMBER, 1982

PERCENT DURATION

HOURS, DAYS DURATION

feet	>3h	>6h	>12h	>18h	>24h	>36h	>2d	>4d	>6d	>8d	>10d	>12d	TOTAL SAMPLES
>.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	889
>.75	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	889
>1	78.0	69.5	59.3	49.2	39.0	21.2	11.0						118
>1.25	81.8	65.5	32.7	5.5									55
>1.5													0
>1.75													0

largest screened value = 1.47 feet
total time period spanned (hours) = 888
sample interval (hours) = 1
total possible samples = 889
actual samples = 889

Table B11. PT. THOMSON STATION SP - MAXIMUM WAVE HEIGHT VS. ASSOCIATED PERIOD

1810, 4 SEPTEMBER TO 0210, 31 OCTOBER, 1982

Frequencies:

h(max) range (feet)	t(max) range (seconds) 2.00 2.10	2.10 2.20	2.20 2.30	2.30 2.40	2.40 2.50	2.50 2.60	2.60 2.70	2.70 2.80	2.80 2.90	2.90 3.00	3.00 3.10	3.10 3.20	3.20 3.30	3.30 3.40	3.40 3.50	> 3.50	total
0.00- 0.10	82	0	0	0	0	153	0	0	0	0	4	0	0	0	0	26	265
0.10- 0.20	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	22
0.20- 0.30	4	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	8
0.30- 0.40	4	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	9
0.40- 0.50	3	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	6
0.50- 0.60	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3
0.60- 0.70	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
0.70- 0.80	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
0.80- 0.90	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
0.90- 1.00	1	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	5
1.00- 1.10	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
1.10- 1.20	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
1.20- 1.30	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	3
1.30- 1.40	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3
1.40- 1.50	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
1.50- 1.60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.60- 1.70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.70- 1.80	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
> 1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	101	0	0	0	0	204	0	0	0	0	4	0	0	0	0	26	335

total time period spanned (hours) = 1352
sample interval (hours) = 4
total possible observations = 339
actual observations = 335

Table B12. PT. THOMSON STATION SP - SIGNIFICANT WAVE HEIGHT VS. SIGNIFICANT WAVE PERIOD

1810, 4 SEPTEMBER TO 0210, 31 OCTOBER, 1982

Frequencies:

h(s) range (feet)	t(s) range (seconds) 2.00 2.10	2.10 2.20	2.20 2.30	2.30 2.40	2.40 2.50	2.50 2.60	2.60 2.70	2.70 2.80	2.80 2.90	2.90 3.00	3.00 3.10	3.10 3.20	3.20 3.30	3.30 3.40	3.40 3.50	> 3.50	total
0.00- 0.10	0	10	13	38	68	52	49	25	15	8	4	2	1	0	0	3	288
0.10- 0.20	0	12	1	2	1	1	0	0	0	0	0	0	0	0	0	0	17
0.20- 0.30	0	6	1	1	3	0	0	0	0	0	0	0	0	0	0	0	11
0.30- 0.40	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3
0.40- 0.50	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	4
0.50- 0.60	0	0	6	1	1	0	0	0	0	0	0	0	0	0	0	0	8
0.60- 0.70	0	0	1	5	0	0	0	0	0	0	0	0	0	0	0	0	6
0.70- 0.80	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
0.80- 0.90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.90- 1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
> 1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	0	28	26	51	74	53	49	25	15	8	4	2	1	0	0	3	339

total time period spanned (hours) = 1352
sample interval (hours) = 4
total possible observations = 339
actual observations = 339

Table B13. PT. THOMSON STATION SP - SPECTRAL SIGNIFICANT WAVE HEIGHT VS. SIGNIFICANT PERIOD

1810, 4 SEPTEMBER TO 0210, 31 OCTOBER, 1982

Frequencies:

spec. h(s) range (feet)	spec. t(s) range (secons) 2.00 2.10	2.10 2.20	2.20 2.30	2.30 2.40	2.40 2.50	2.50 2.60	2.60 2.70	2.70 2.80	2.80 2.90	2.90 3.00	3.00 3.10	3.10 3.20	3.20 3.30	3.30 3.40	3.40 3.50	> 3.50	total
0.00- 0.10	0	10	10	17	31	24	24	17	18	19	17	12	9	8	8	71	295
0.10- 0.20	0	12	0	3	3	1	0	0	0	0	0	0	0	0	0	0	19
0.20- 0.30	0	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	5
0.30- 0.40	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	5
0.40- 0.50	0	0	7	3	0	0	0	0	0	0	0	0	0	0	0	0	10
0.50- 0.60	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	5
0.60- 0.70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.70- 0.80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.80- 0.90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.90- 1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
> 1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	0	23	24	29	35	25	24	17	18	19	17	12	9	8	8	71	339

total time period spanned (hours) = 1352
sample interval (hours) = 4
total possible observations = 339
actual observations = 339

Table B14. SIGNIFICANT WAVE HEIGHT PERSISTENCE - PT. THOMSON STATION SP
1810, 4 SEPTEMBER TO 0210, 31 OCTOBER, 1982

PERCENT DURATION

HOURS,DAYS DURATION

feet	>3h	>6h	>12h	>18h	>24h	>36h	>2d	>4d	>6d	>8d	>10d	>12d	TOTAL SAMPLES
>.25	86.6	73.2	50.9	37.5	28.6	17.9	7.1						112
>.5	75.8	51.6	14.5										62
>.75	25.0												4
>1													0

largest screened value = .79 feet
total time period spanned (hours) = 1352
sample interval (hours) = 1
total possible samples = 1353
actual samples = 1353

Table B15.SPECTRAL SIGNIFICANT WAVE HEIGHT PERSISTENCE - PT. THOMSON STATION SP
1810, 4 SEPTEMBER TO 0210, 31 OCTOBER, 1982

PERCENT DURATION

HOURS,DAYS DURATION

feet	>3h	>6h	>12h	>18h	>24h	>36h	>2d	>4d	>6d	>8d	>10d	>12d	TOTAL SAMPLES
>.5	50.0	25.0											12
>.75													0
>1													0
>1.25													0
>1.5													0
>1.75													0

largest screened value = .59 feet
total time period spanned (hours) = 1352
sample interval (hours) = 1
total possible samples = 1353
actual samples = 1353

Appendix C: Tide and Storm Surge Results

Appendix C: Tide and Storm Surge Results

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Appendix C: Tide and Storm Surge Results

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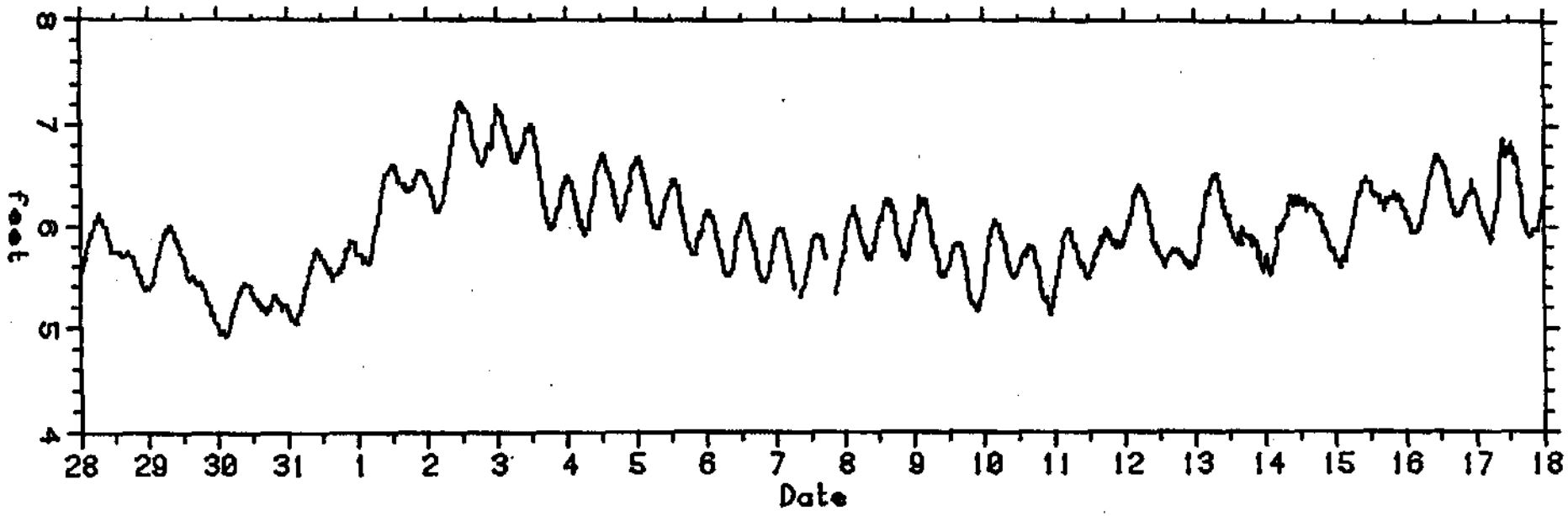

FIGURE C1 WATER DEPTH
POINT THOMSON STATION AA
0004, 29 JULY TO 2349, 17 AUGUST, 1982

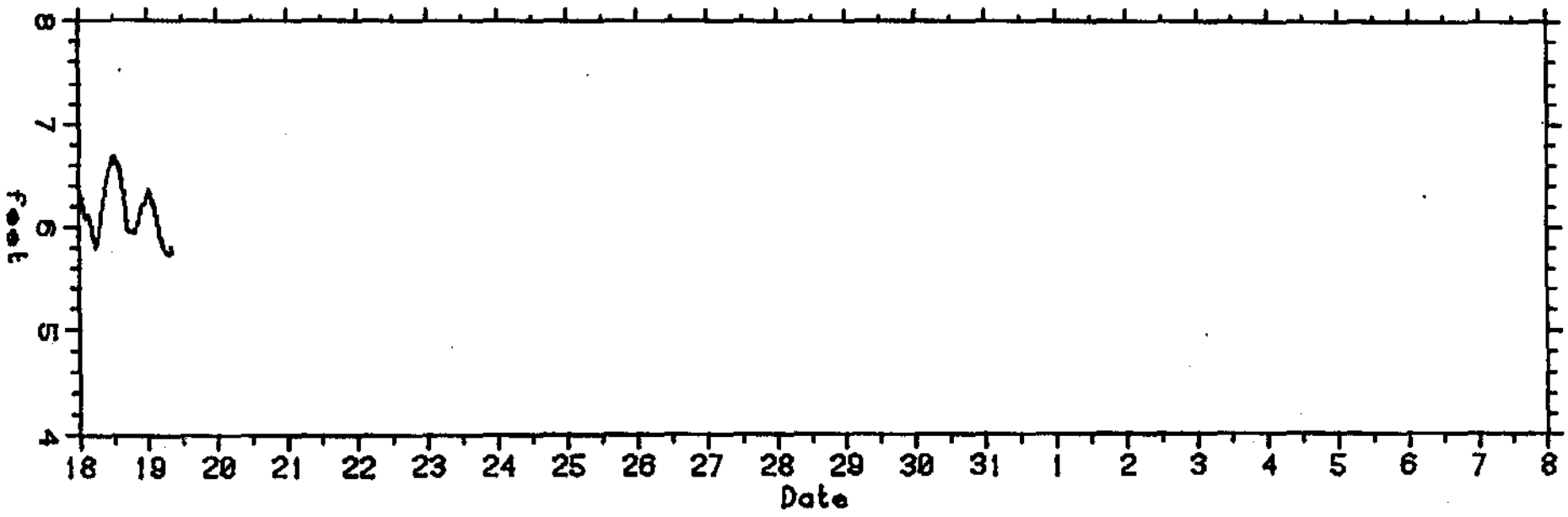

FIGURE C1 WATER DEPTH
POINT THOMSON STATION AA
0004, 18 AUGUST TO 0819, 19 AUGUST, 1982

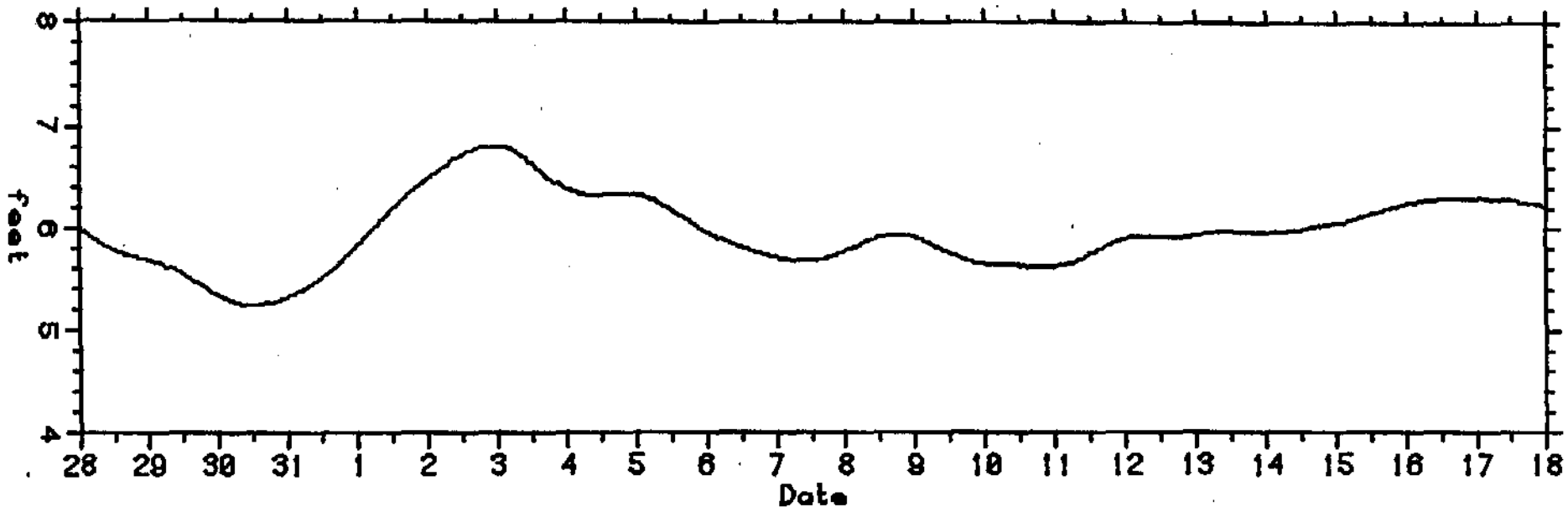

FIGURE C2 DOODSON-FILTERED AVERAGE WATER DEPTH
POINT THOMSON STATION AA
0000, 28 JULY TO 0000, 18 AUGUST, 1982

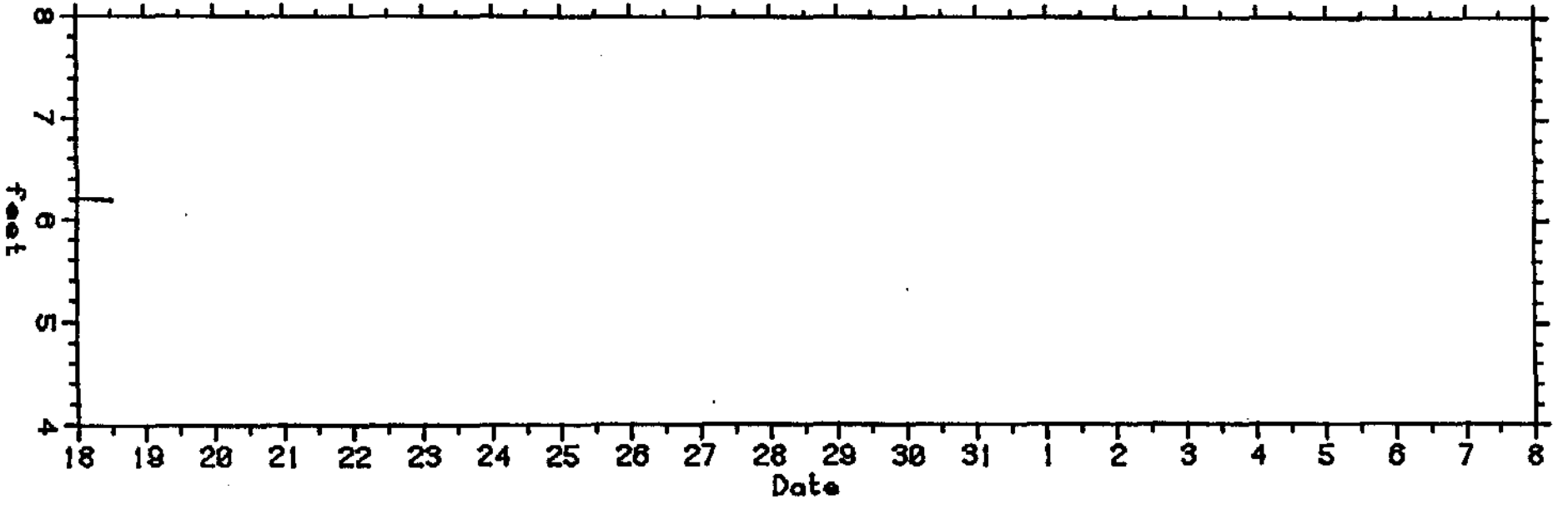

FIGURE C2 DOODSON-FILTERED AVERAGE WATER DEPTH
POINT THOMSON STATION AA
0000, 18 AUGUST TO 1200, 18 AUGUST, 1982

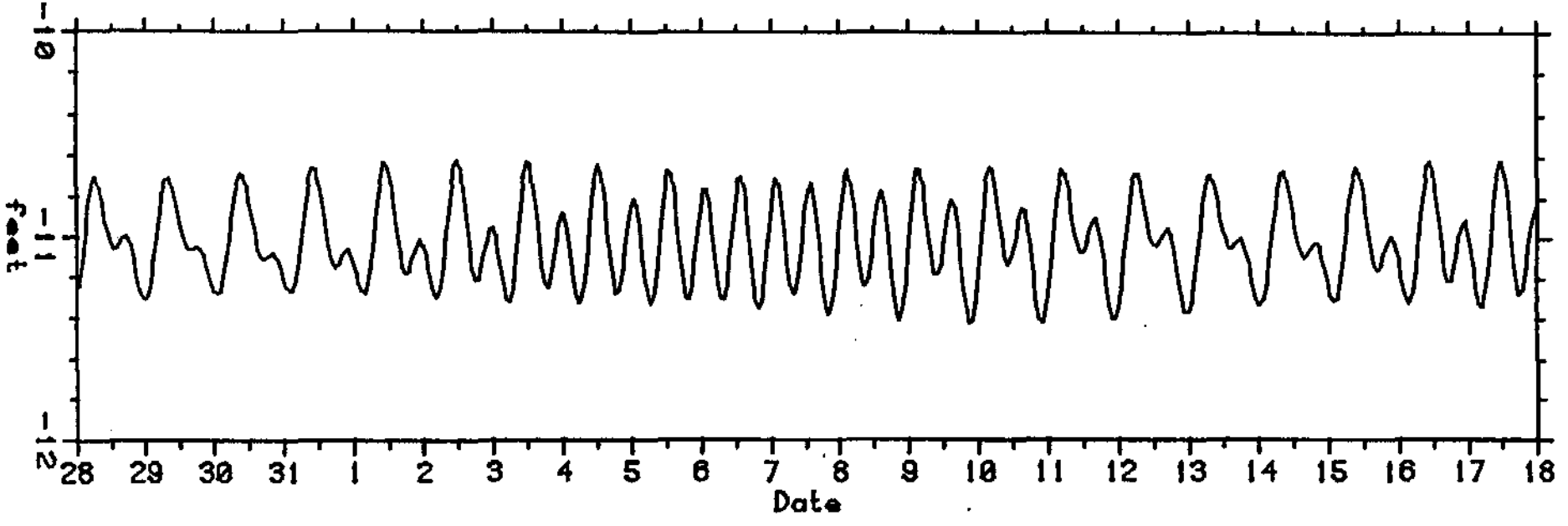

FIGURE C3. TIDE HEIGHTS
POINT THOMSON STATION AA
0059, 28 JULY TO 2359, 17 AUGUST, 1982

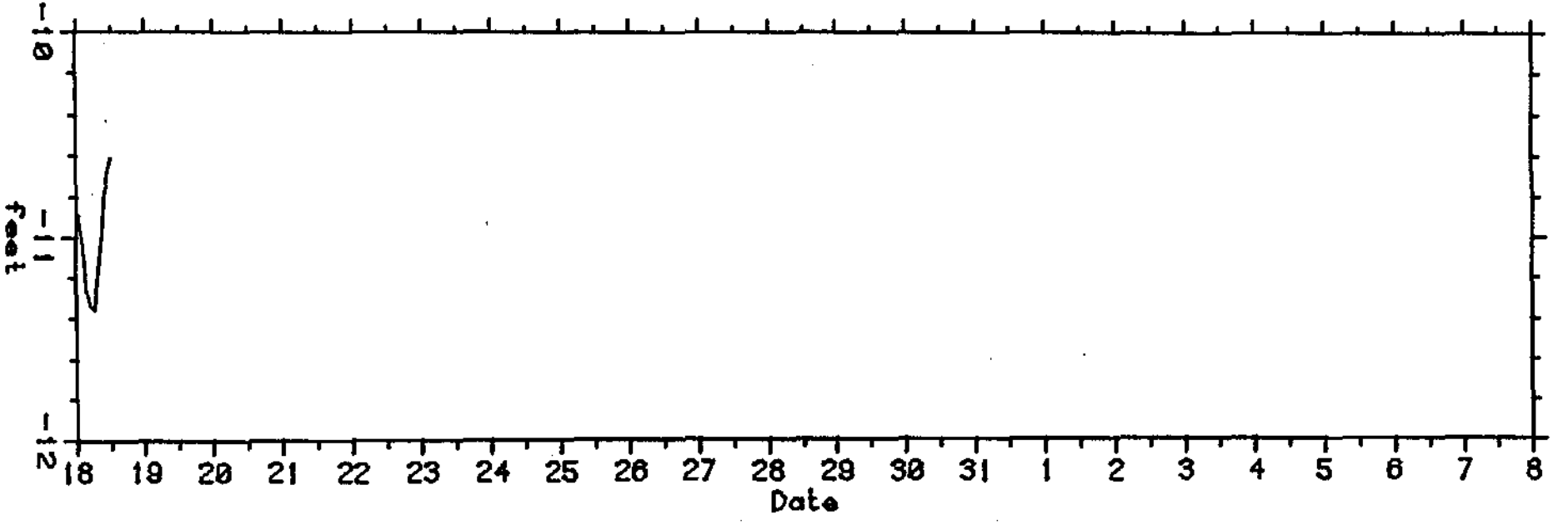

FIGURE C3 . TIDE HEIGHTS
POINT THOMSON STATION AA
0059, 18 AUGUST TO 1159, 18 AUGUST, 1982

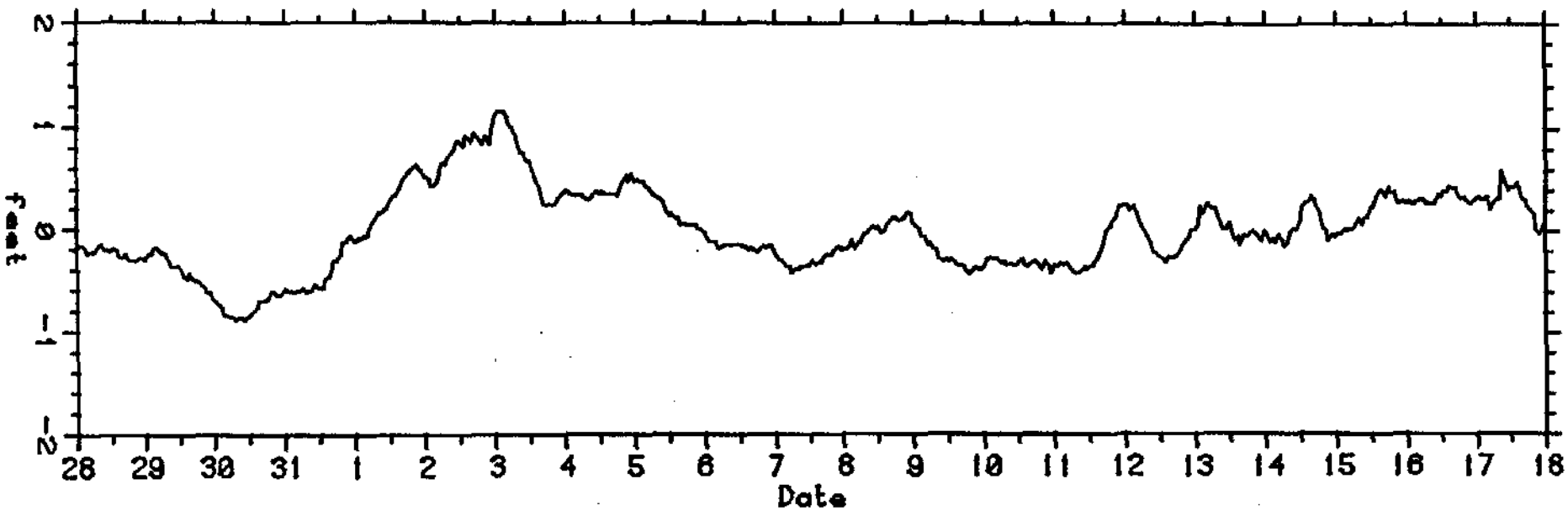

FIGURE C4. SURGE WATER DEPTH (TOTAL - TIDES)
POINT THOMSON STATION AA
0058, 28 JULY TO 2358, 17 AUGUST, 1982

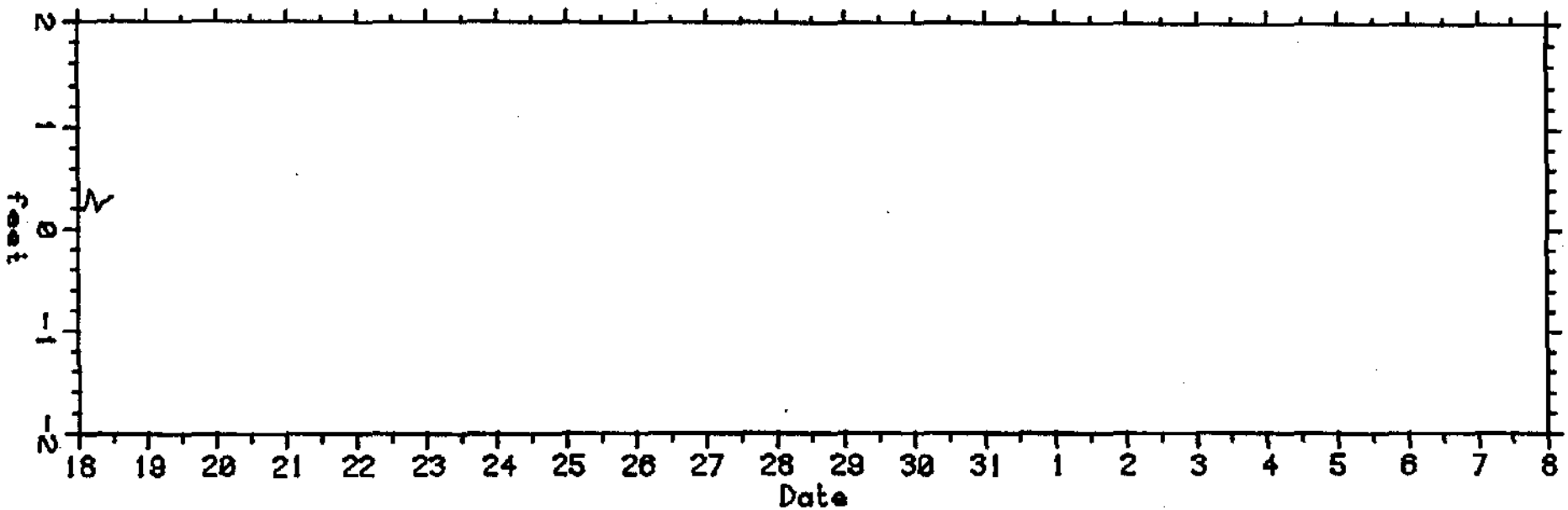

FIGURE C4. SURGE WAVE DEPTH (TOTAL - TIDES)
POINT THOMSON STATION AA
0058, 18 AUGUST TO 1158, 18 AUGUST, 1982

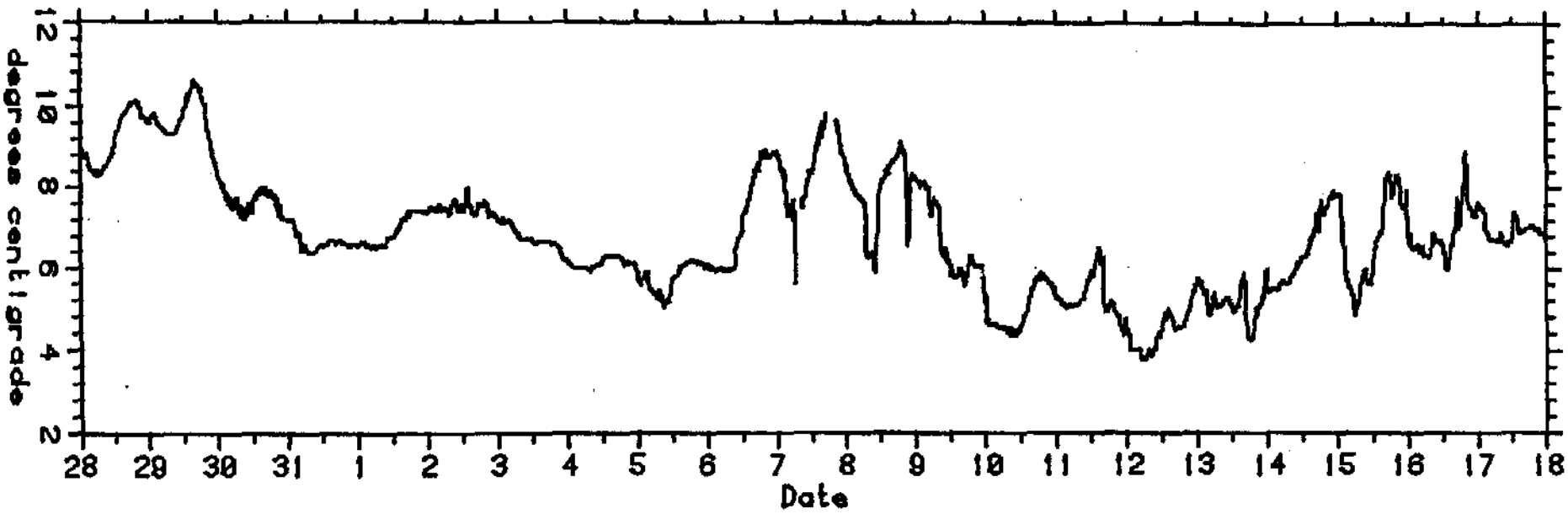

FIGURE C5 TEMPERATURE
POINT THOMSON STATION AA
0004, 29 JULY TO 2349, 17 AUGUST, 1982

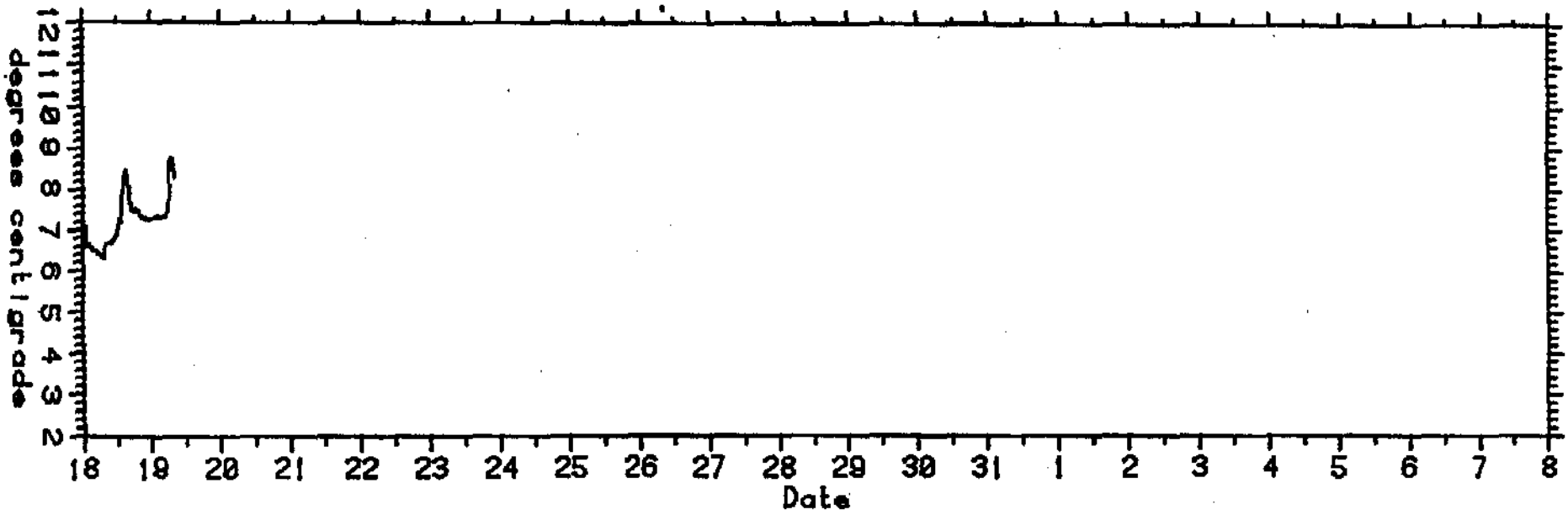

FIGURE C5 . TEMPERATURE
POINT THOMSON STATION AA
0004, 18 AUGUST TO 0819, 19 AUGUST, 1982

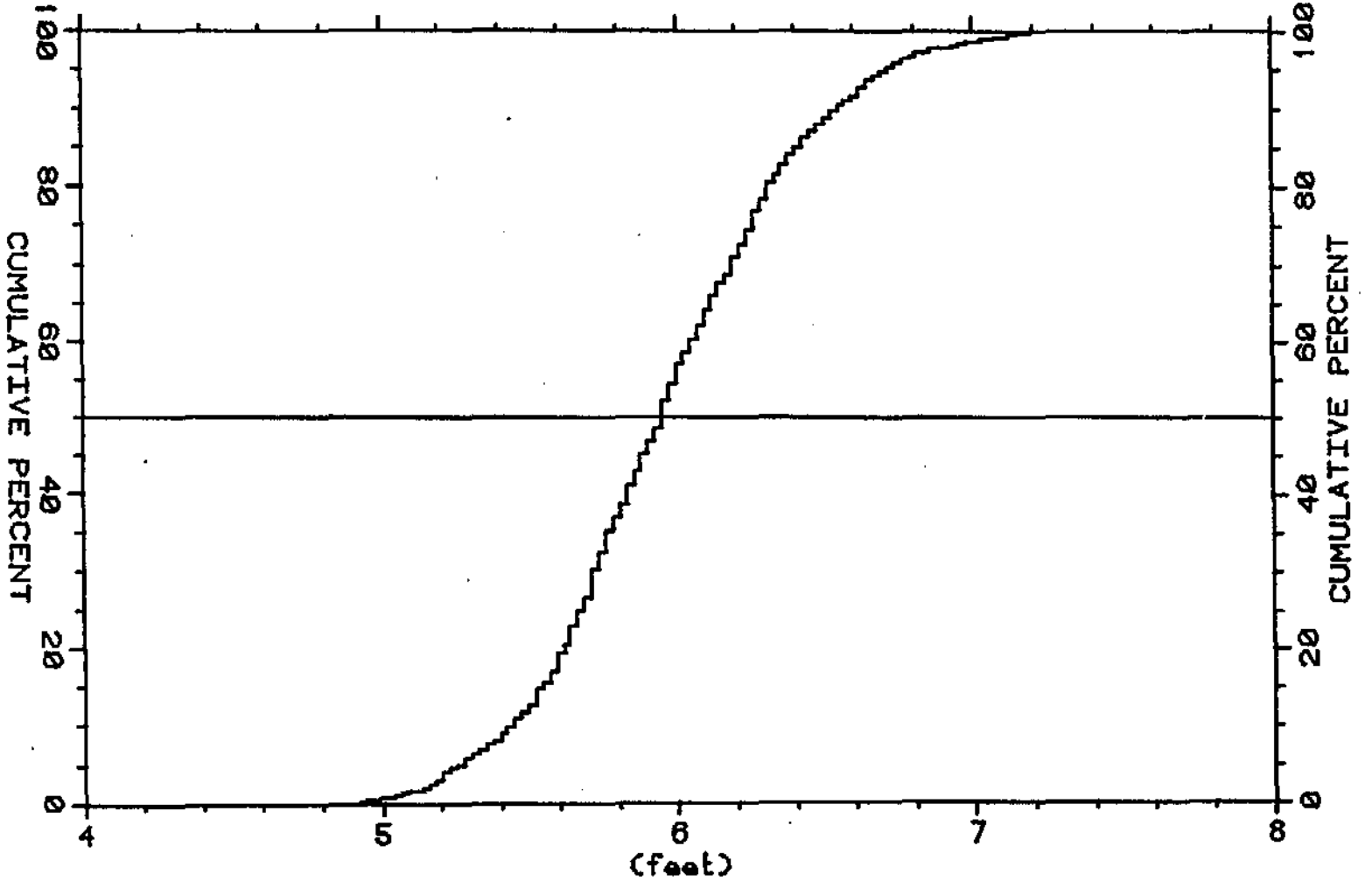

FIGURE C6. CUMULATIVE PROBABILITY PLOT
WATER DEPTH
PT. THOMSON STATION AA
1434, 24 JULY TO 0819, 19 AUGUST, 1982
4944 DATA POINTS

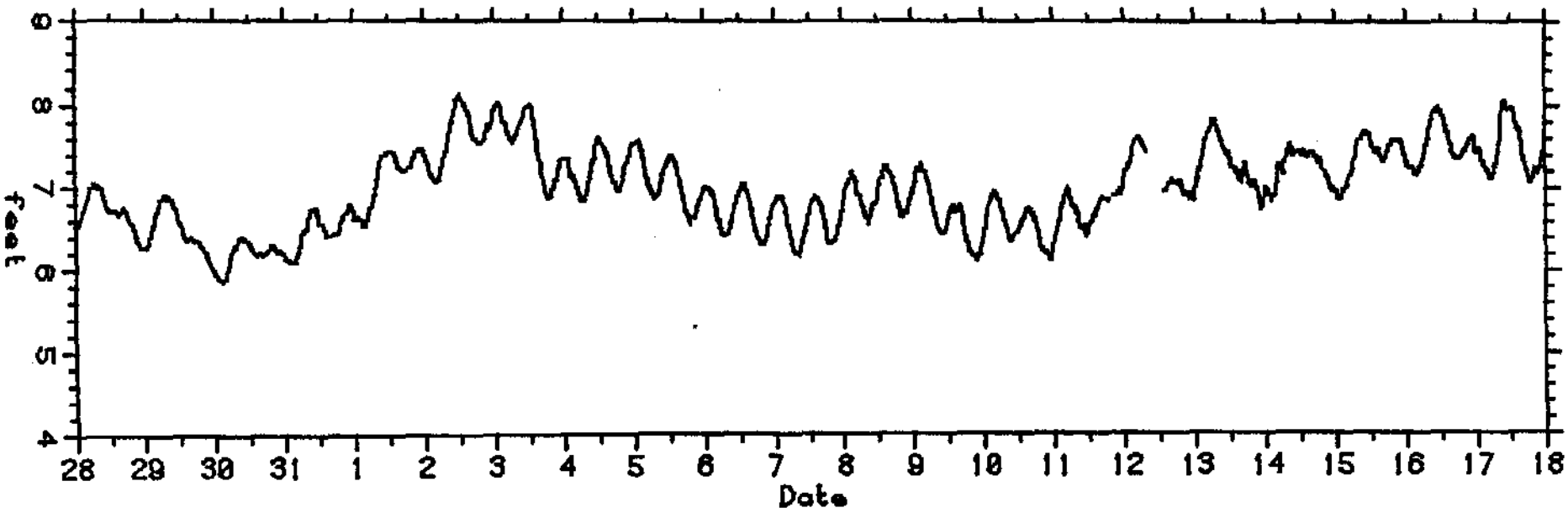

FIGURE C7 WATER DEPTH
POINT THOMSON STATION Z
0013, 28 JULY TO 2358, 17 AUGUST, 1982

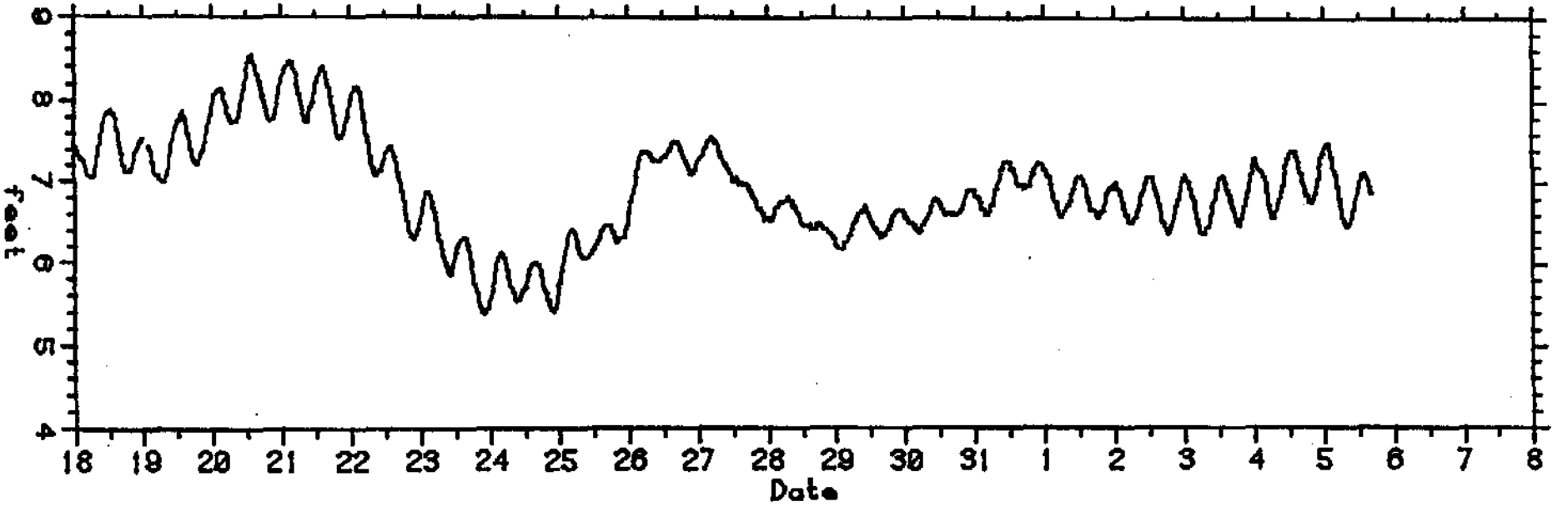

FIGURE C7. WATER DEPTH
POINT THOMSON STATION Z
0013, 18 AUGUST TO 1643, 5 SEPTEMBER, 1982

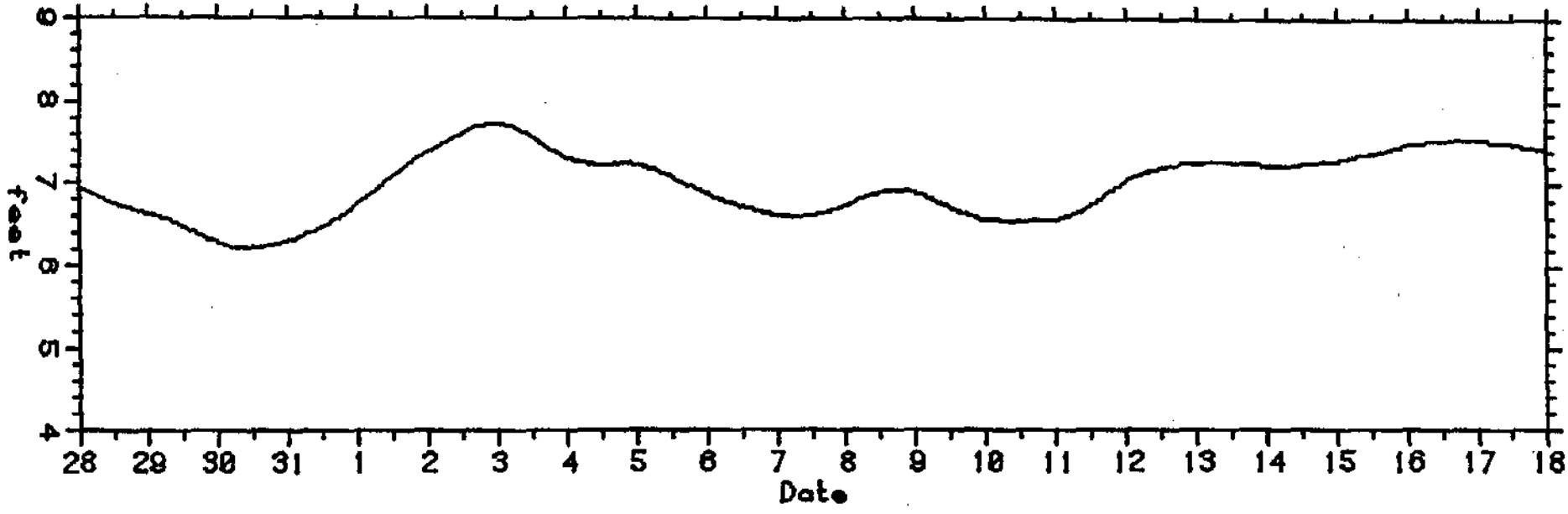

FIGURE C8 . DOODSON-FILTERED AVERAGE WATER DEPTH
POINT THOMSON STATION Z
0039, 28 JULY TO 2339, 17 AUGUST, 1982

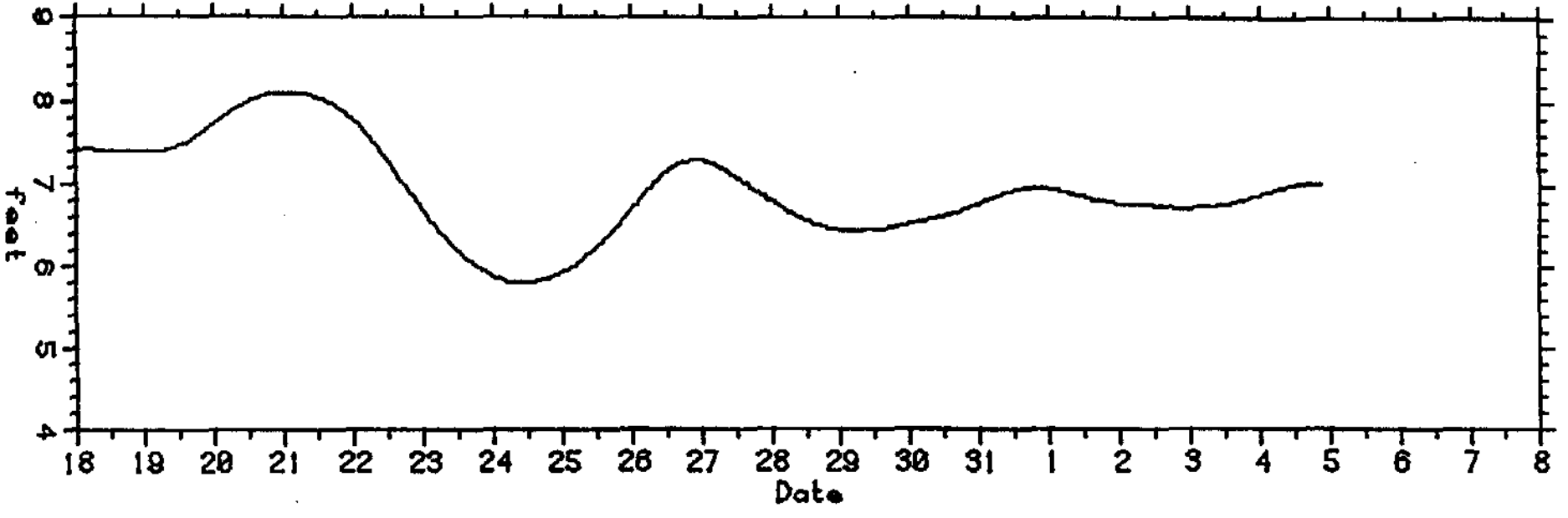

FIGURE C8 DOODSON-FILTERED AVERAGE WATER DEPTH
POINT THOMSON STATION Z
0039, 18 AUGUST TO 2039, 4 SEPTEMBER, 1982

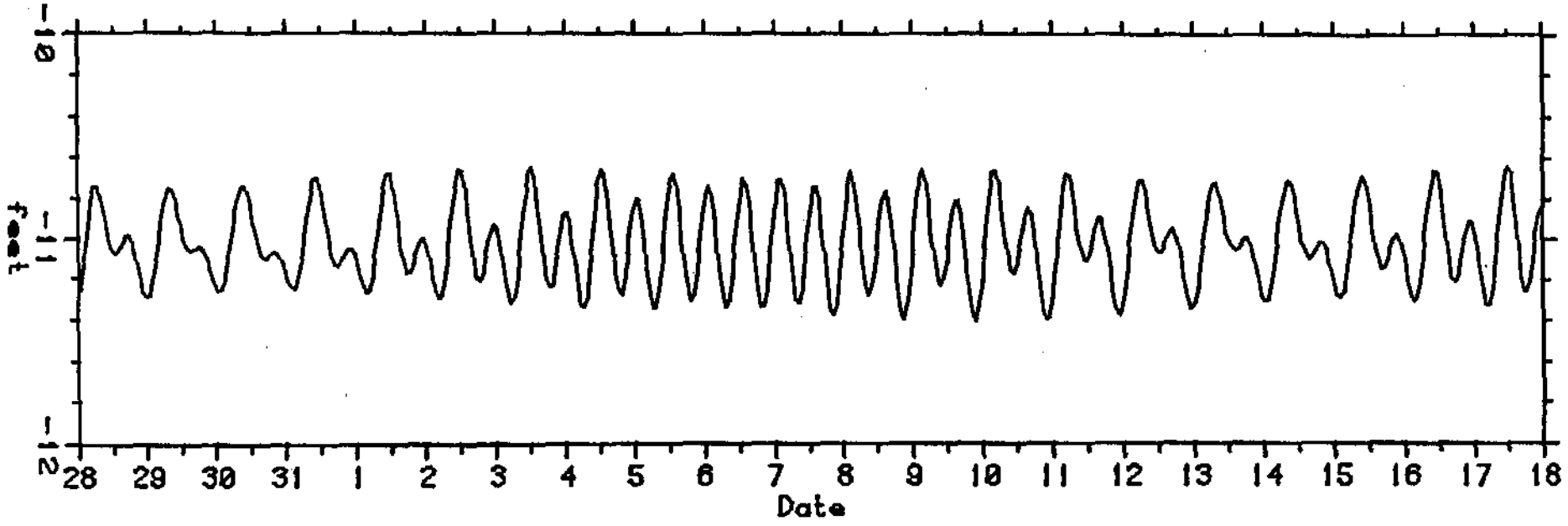

FIGURE C9 , TIDE HEIGHTS
POINT THOMSON STATION Z
0038, 29 JULY TO 2338, 17 AUGUST, 1982

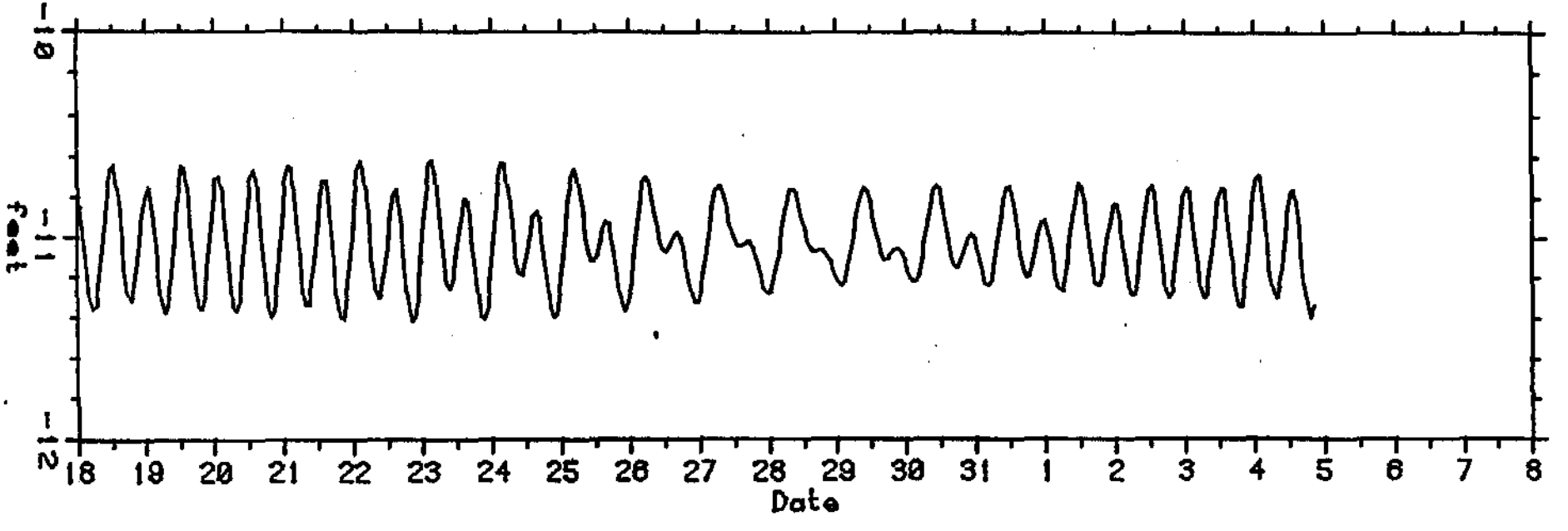

FIGURE C9 TIDE HEIGHTS
POINT THOMSON STATION Z
0038, 18 AUGUST TO 2038, 4 SEPTEMBER, 1982

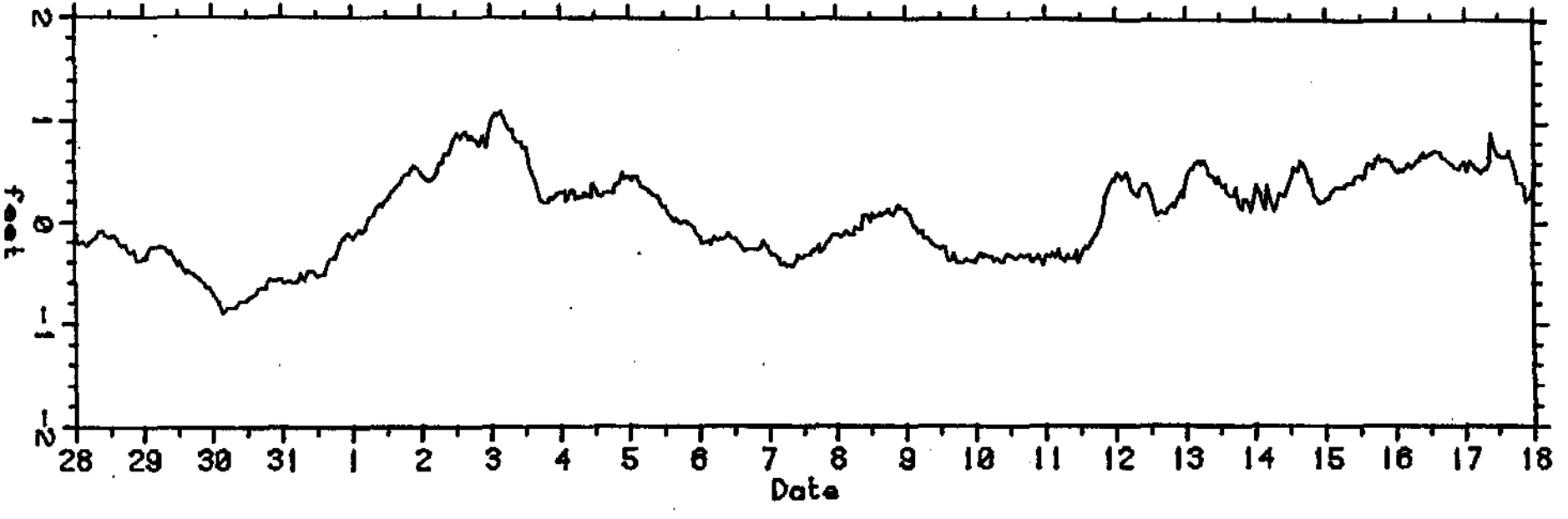

FIGURE C10. SURGE WATER DEPTH (TOTAL - TIDES)
POINT THOMSON STATION Z
0037, 28 JULY TO 2337, 17 AUGUST, 1982

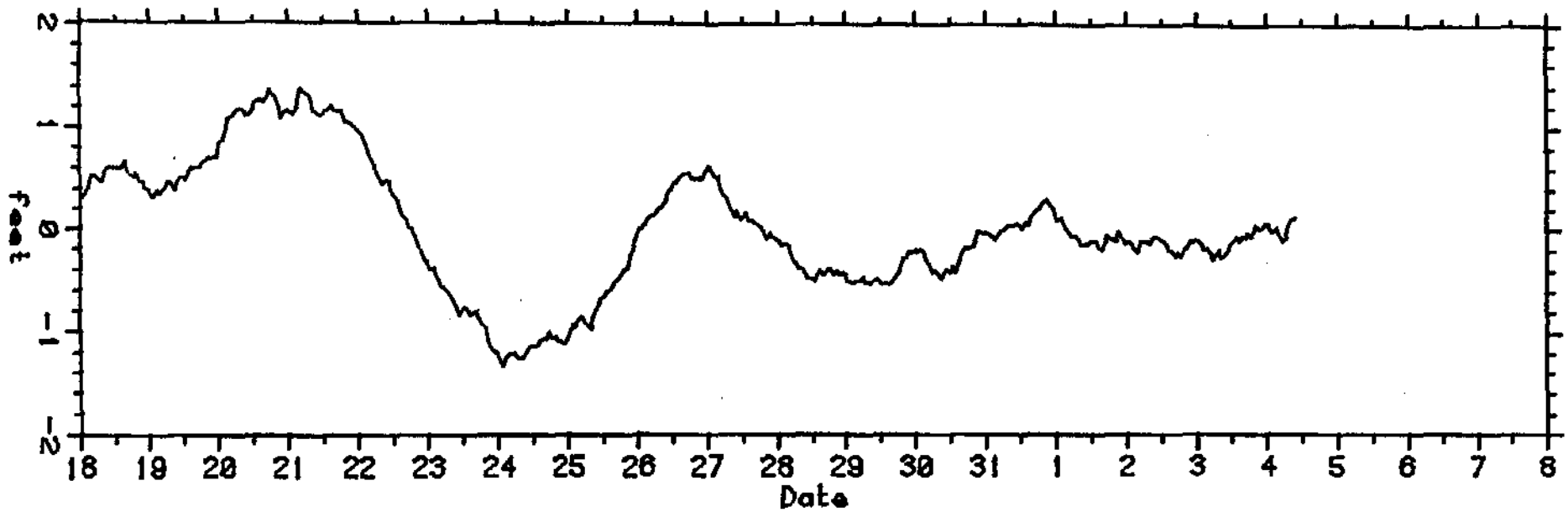

FIGURE C10. SURGE WATER DEPTH (TOTAL - TIDES)
POINT THOMSON STATION Z
0037, 18 AUGUST TO 2037, 4 SEPTEMBER, 1982

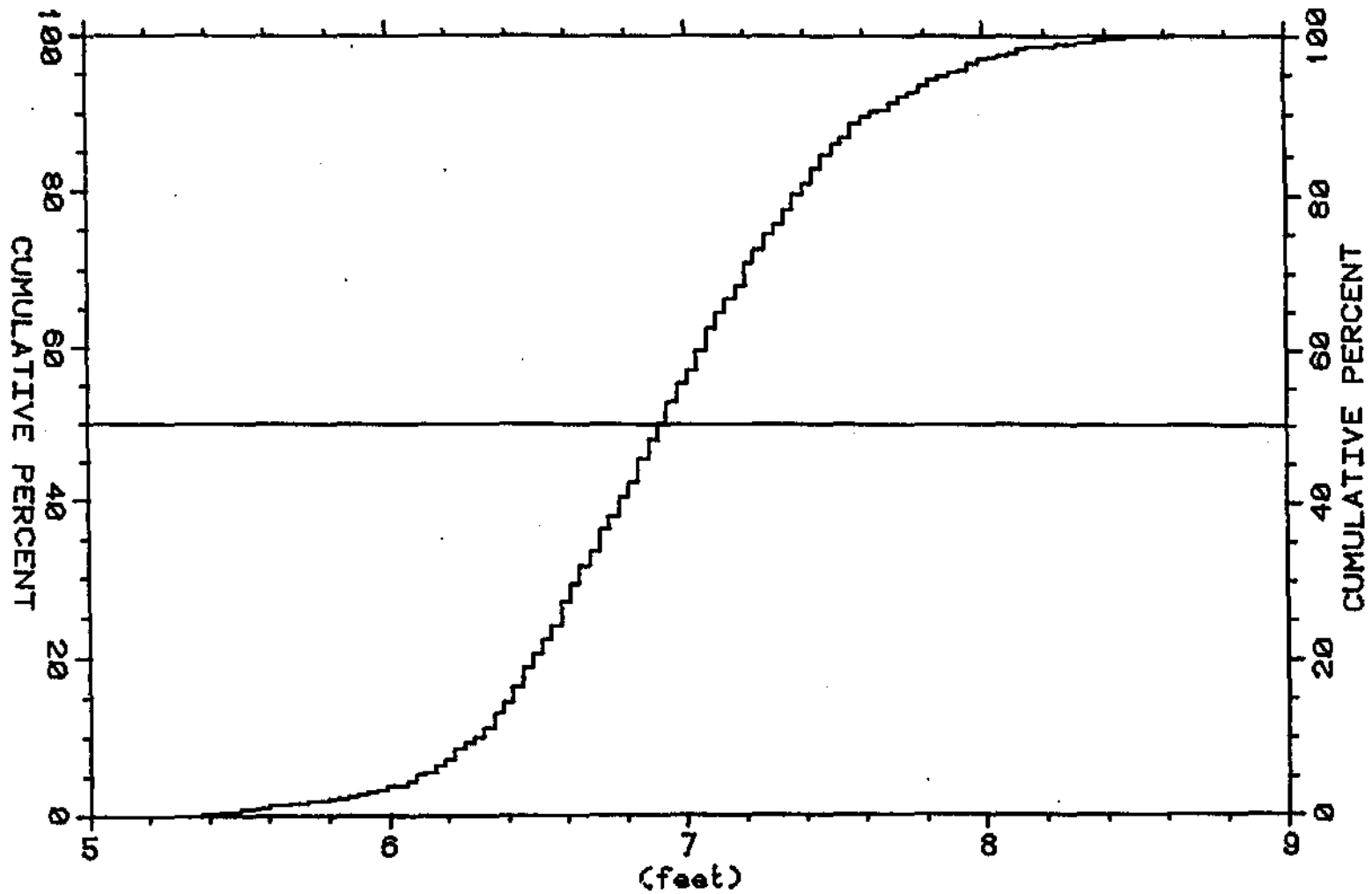

FIGURE C11. CUMULATIVE PROBABILITY PLOT
WATER DEPTH
PT. THOMSON STATION Z
1813, 25 JULY TO 1643, 5 SEPTEMBER, 1982
8391 DATA POINTS

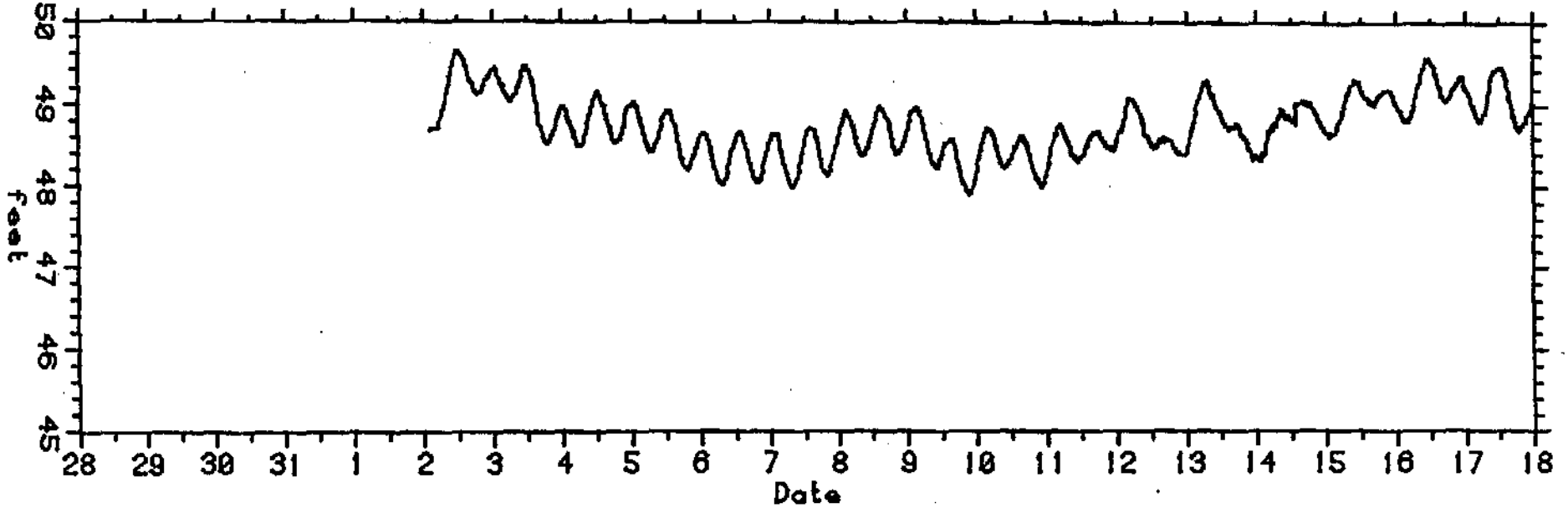

FIGURE C12. WATER DEPTH
POINT THOMSON STATION Q
0237, 2 AUGUST TO 2352, 17 AUGUST, 1982

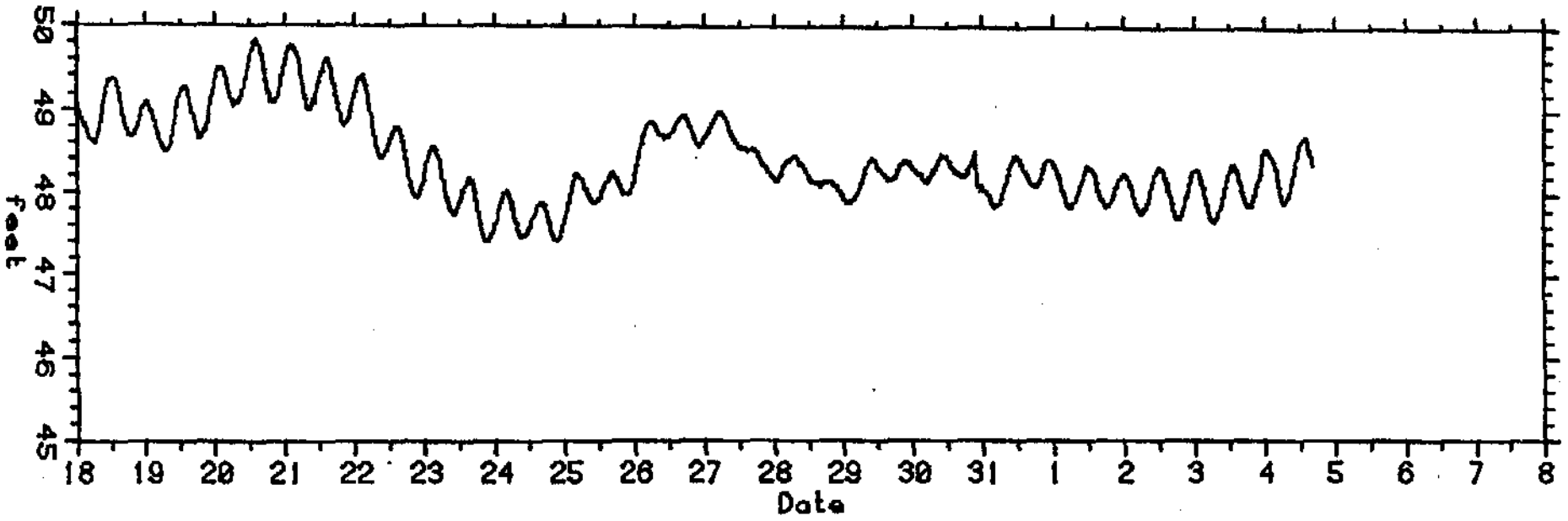

FIGURE C12. WATER DEPTH
POINT THOMSON STATION Q
0007, 18 AUGUST TO 1637, 4 SEPTEMBER, 1982

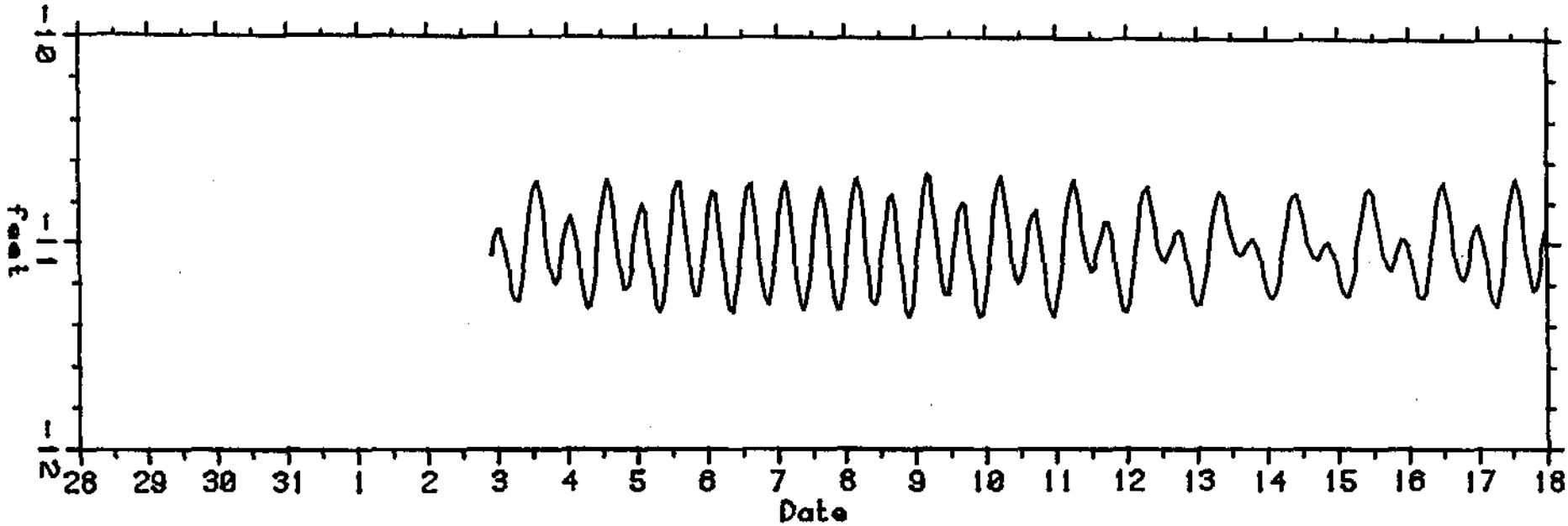

FIGURE C13. TIDE HEIGHTS
POINT THOMSON STATION Q
2203, 2 AUGUST TO 2303, 17 AUGUST, 1982

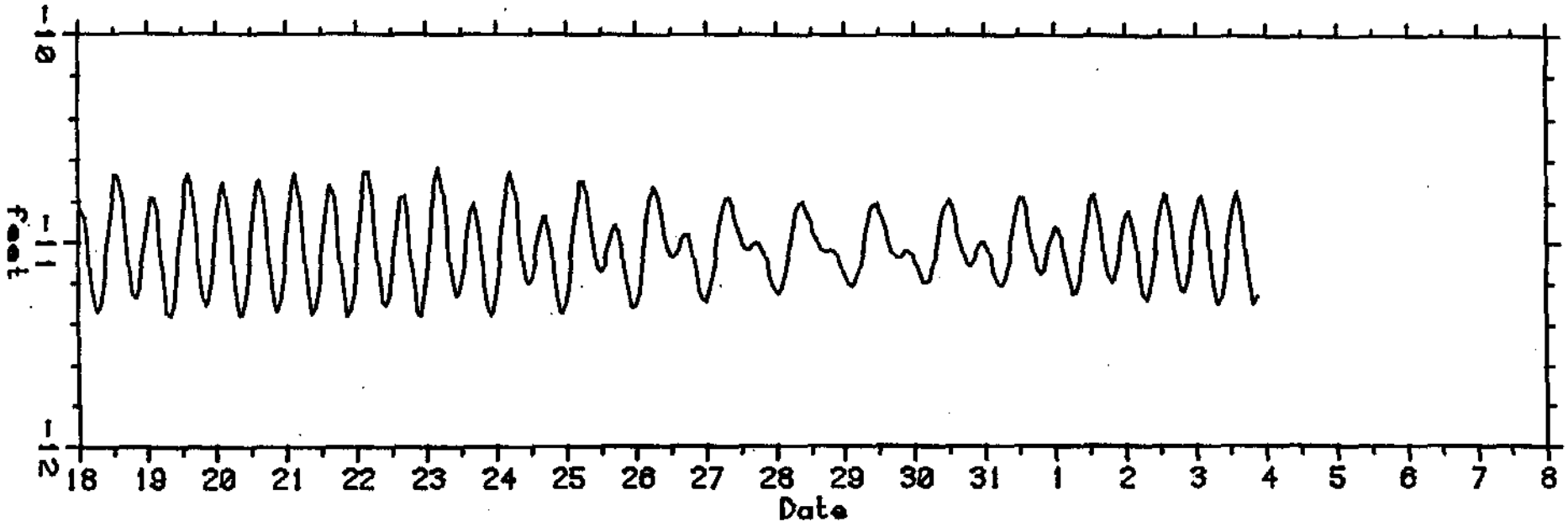

FIGURE C13. TIDE HEIGHTS
POINT THOMSON STATION Q
0003, 18 AUGUST TO 2103, 3 SEPTEMBER, 1982

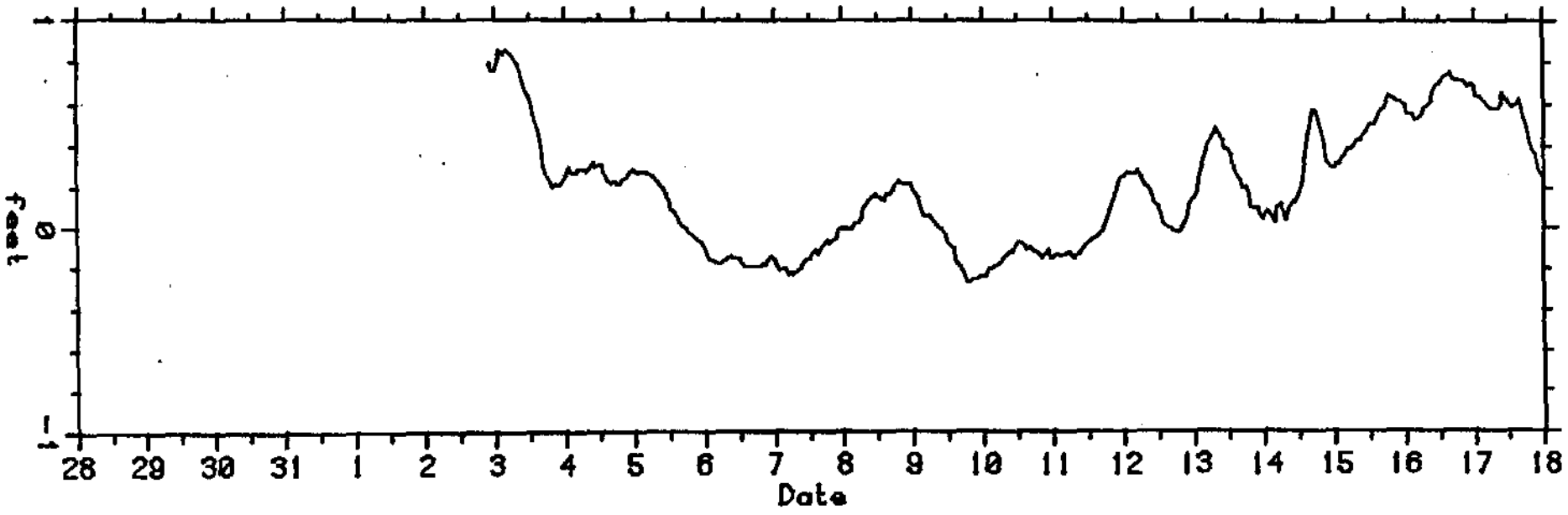

FIGURE C14. SURGE WATER DEPTH (TOTAL - TIDES)
POINT THOMSON STATION Q
2203, 2 AUGUST TO 2303, 17 AUGUST, 1982

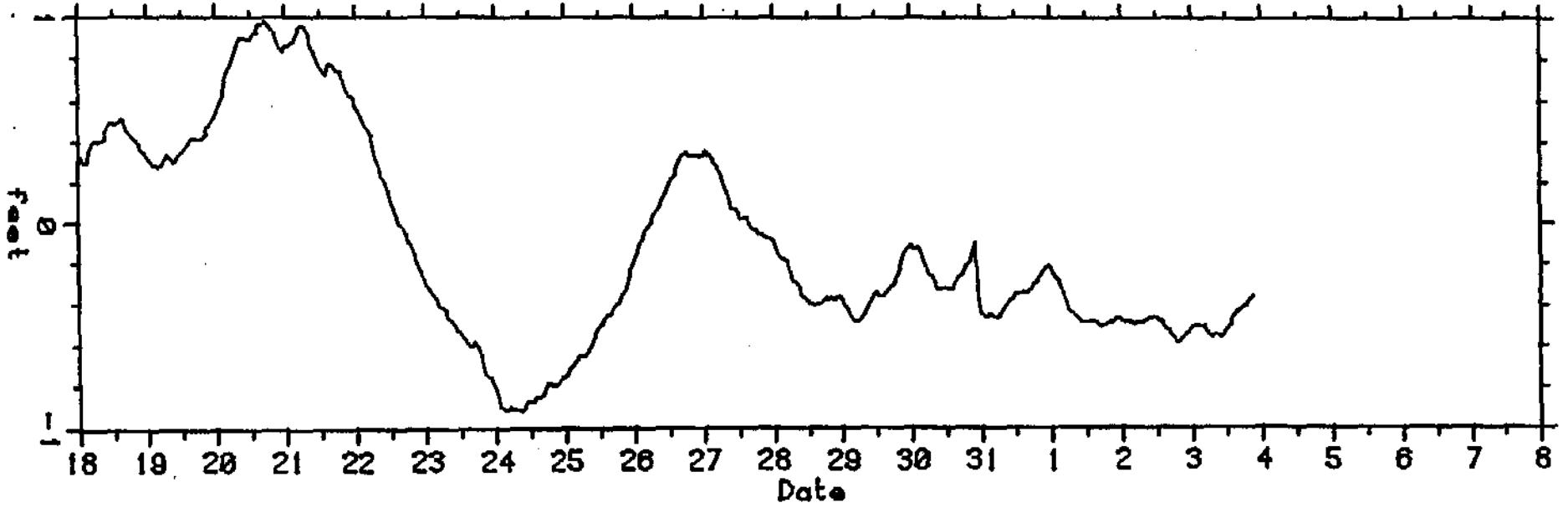

FIGURE C14. SURGE WATER DEPTH (TOTAL - TIDES)
POINT THOMSON STATION Q
0003, 18 AUGUST TO 2103, 3 SEPTEMBER, 1982

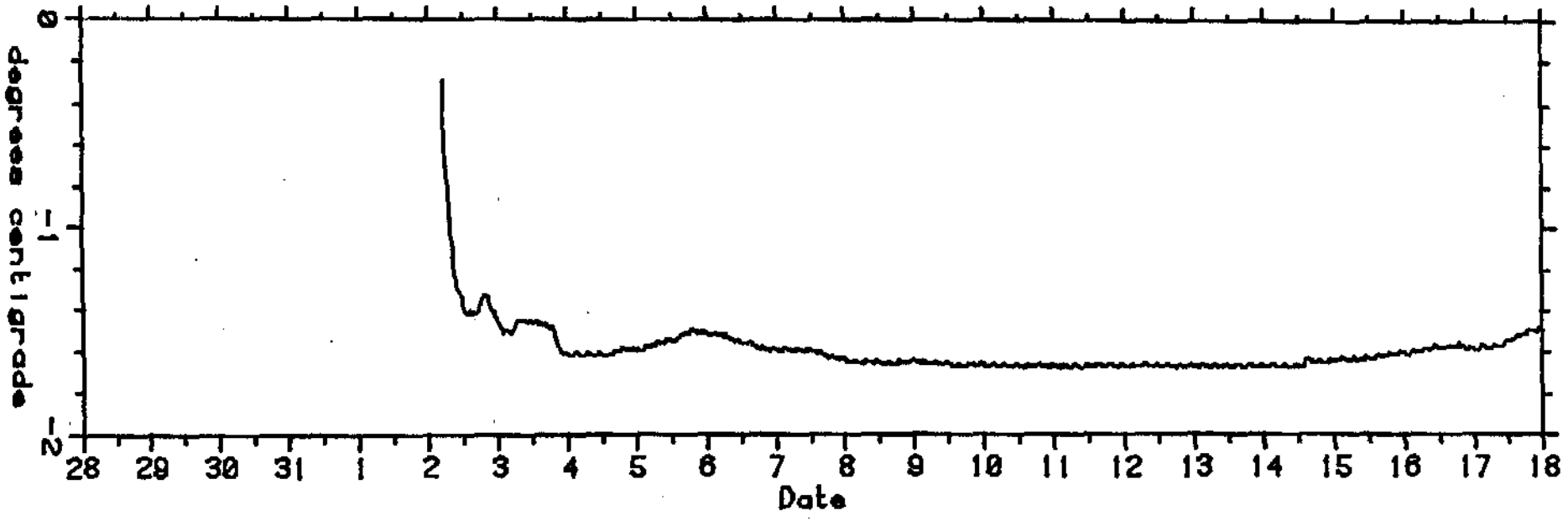

FIGURE C15. TEMPERATURE
POINT THOMSON STATION Q
0237, 2 AUGUST TO 2337, 17 AUGUST, 1982

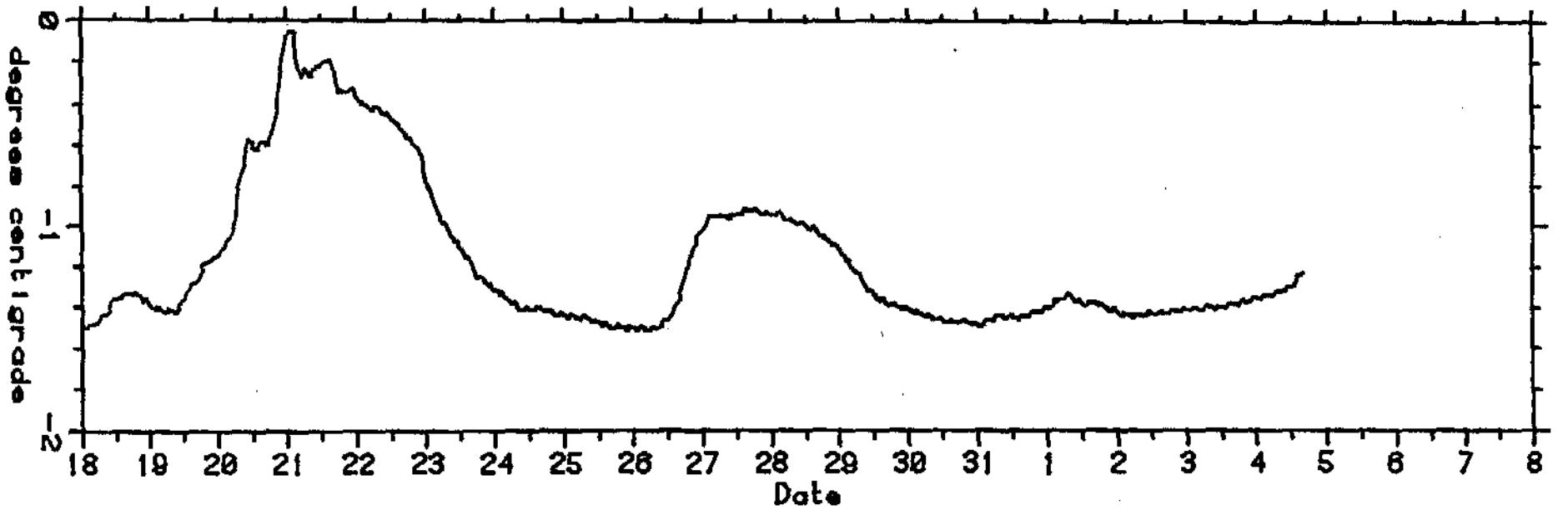

FIGURE C15 TEMPERATURE
POINT THOMSON STATION Q
0007, 18 AUGUST TO 1637, 4 SEPTEMBER, 1982

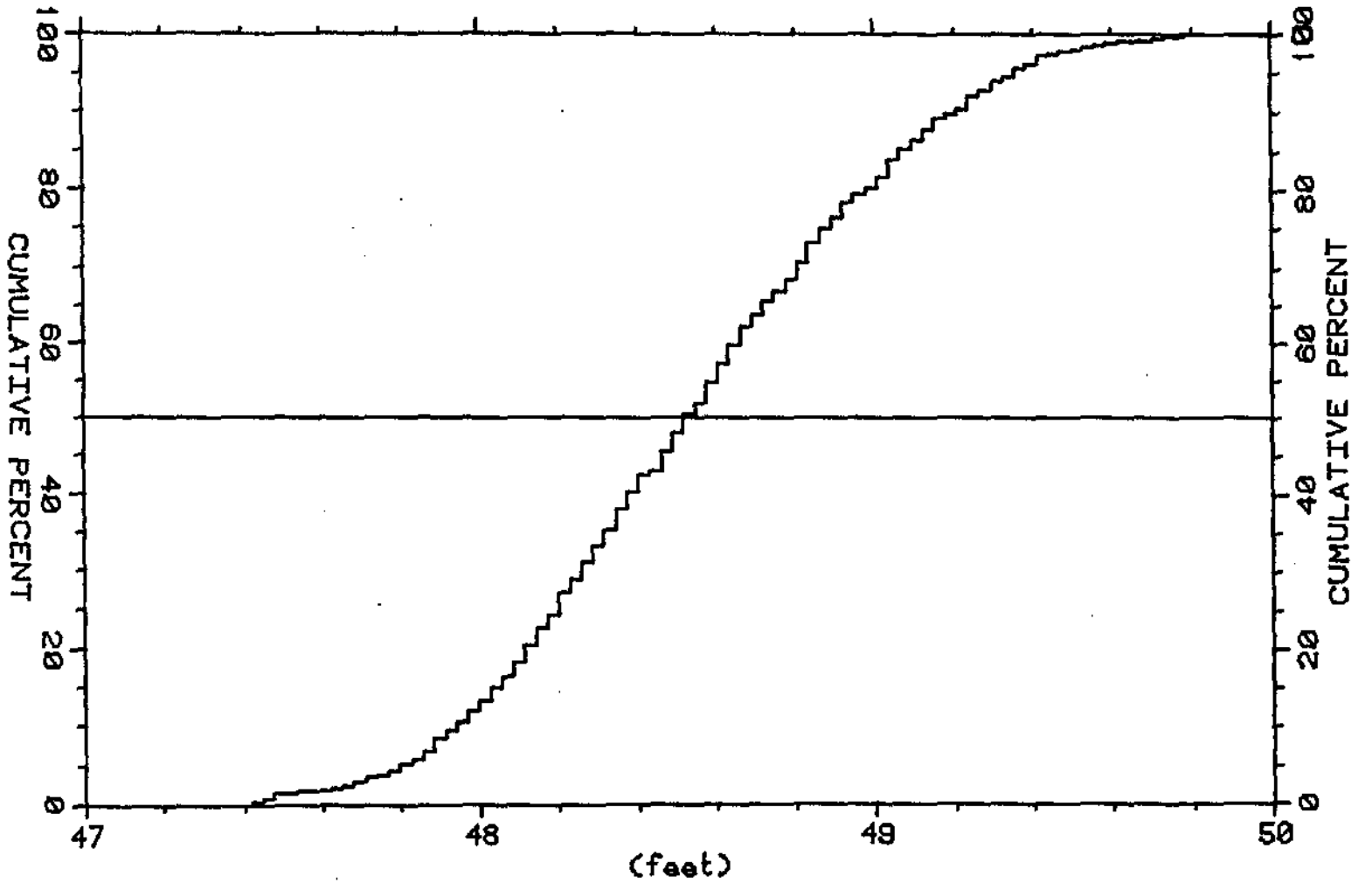

FIGURE C16, CUMULATIVE PROBABILITY PLOT
WATER DEPTH
PT. THOMSON STATION Q
2203, 2 AUGUST TO 2103, 3 SEPTEMBER, 1982
768 DATA POINTS

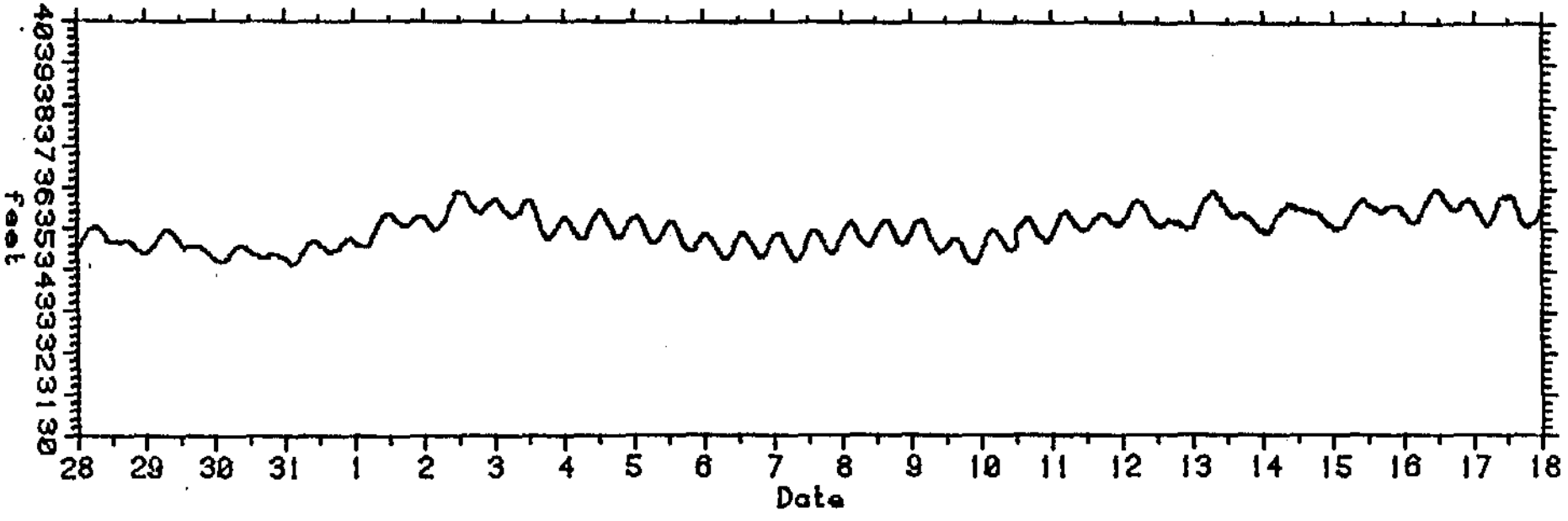

FIGURE C17. WATER DEPTH
POINT THOMSON STATION Y
0008, 28 JULY TO 2353, 17 AUGUST, 1982

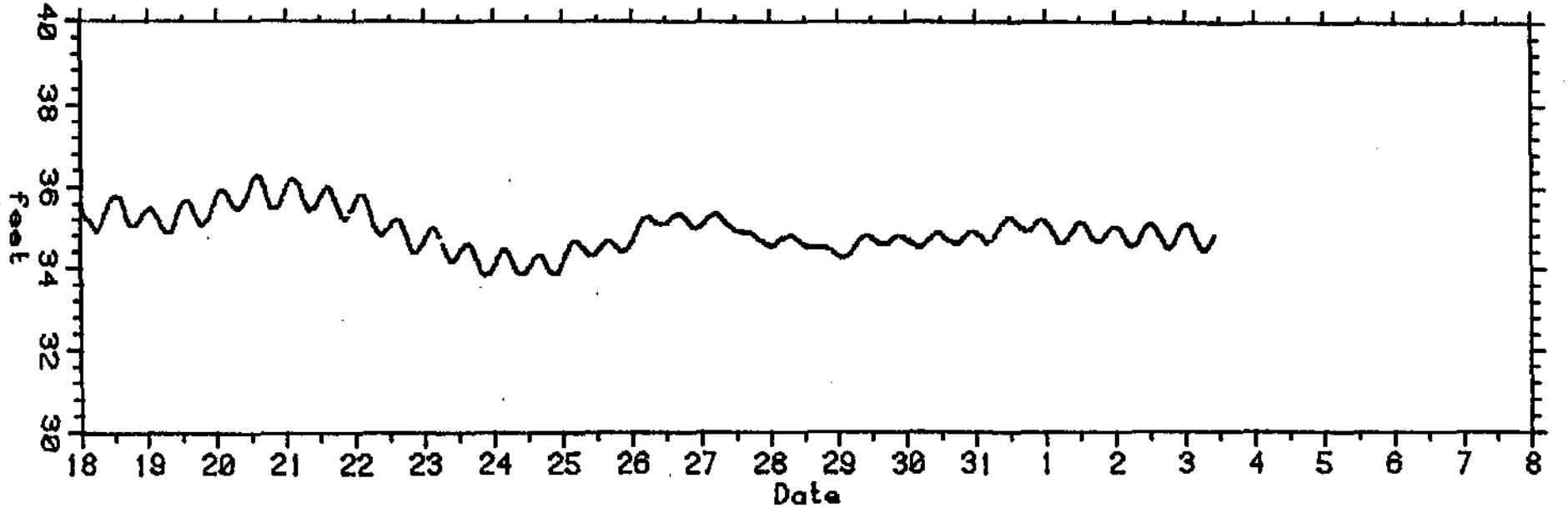

FIGURE C17. WATER DEPTH
POINT THOMSON STATION Y
0008, 18 AUGUST TO 1023, 3 SEPTEMBER, 1982

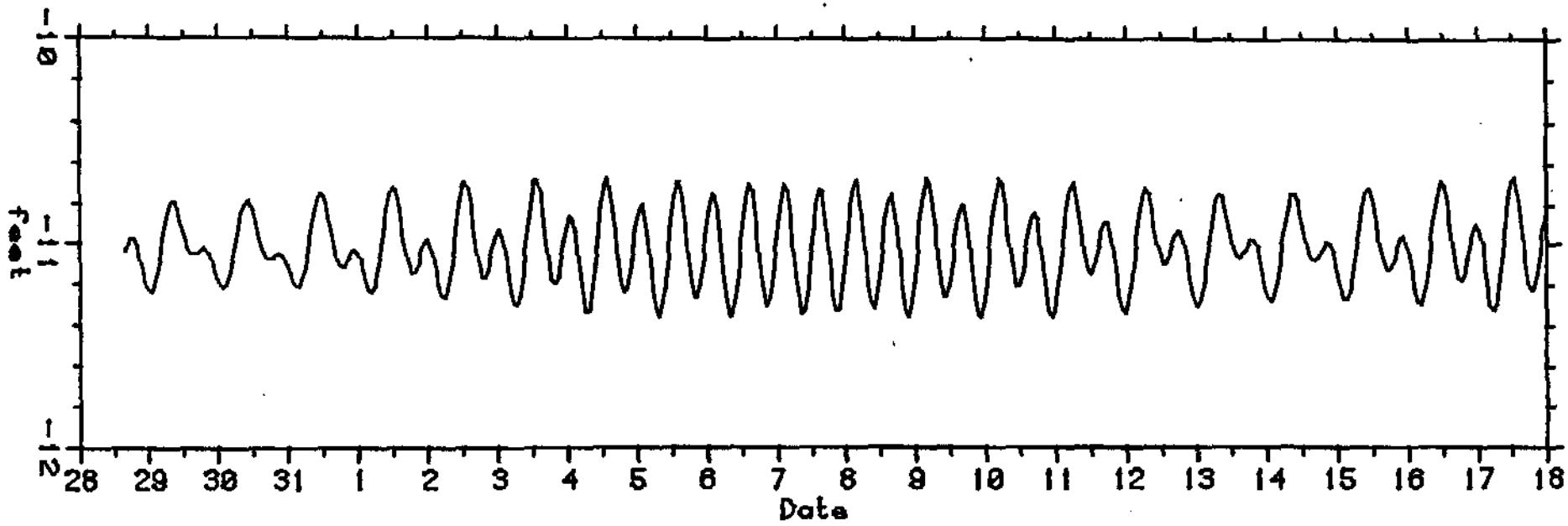

FIGURE C18. TIDE HEIGHTS
PT. THOMSON STATION Y
1548, 28 JULY TO 2348, 17 AUGUST, 1982

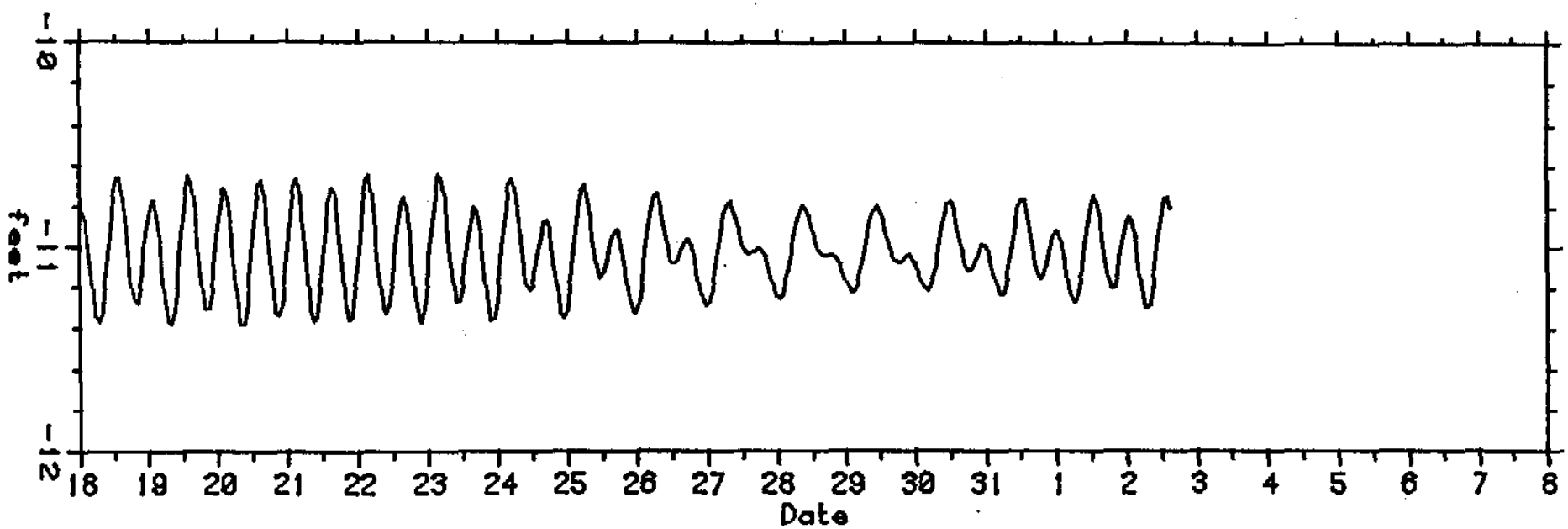

FIGURE C18. TIDE HEIGHTS
POINT THOMSON STATION Y
0048, 18 AUGUST TO 1448, 2 SEPTEMBER, 1982

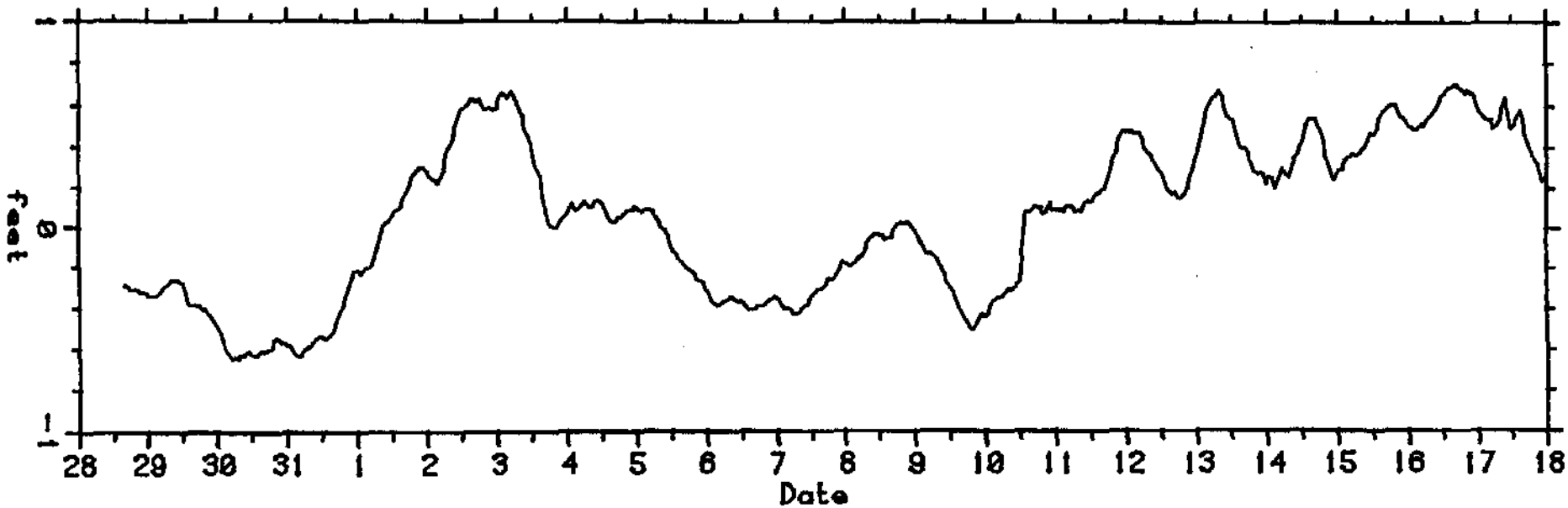

FIGURE C19. SURGE WATER DEPTH (TOTAL - TIDES)
POINT THOMSON STATION Y
1549, 28 JULY TO 2349, 17 AUGUST, 1982

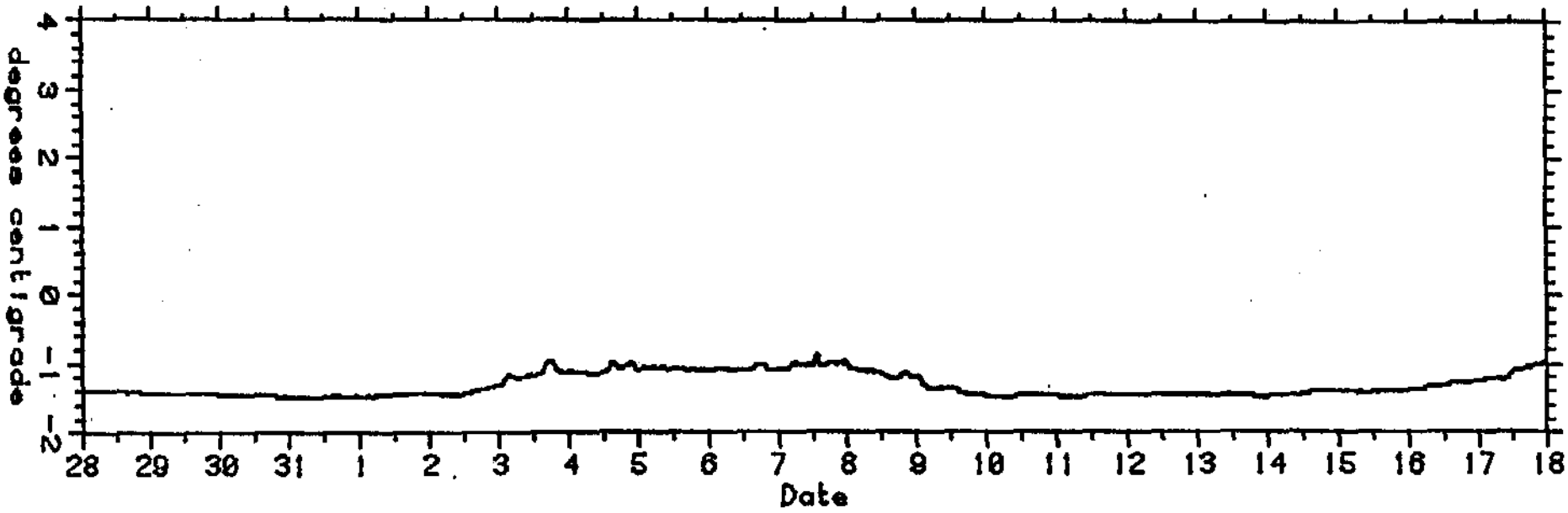

FIGURE C20. TEMPERATURE
POINT THOMSON STATION Y
0008, 28 JULY TO 2353, 17 AUGUST, 1982

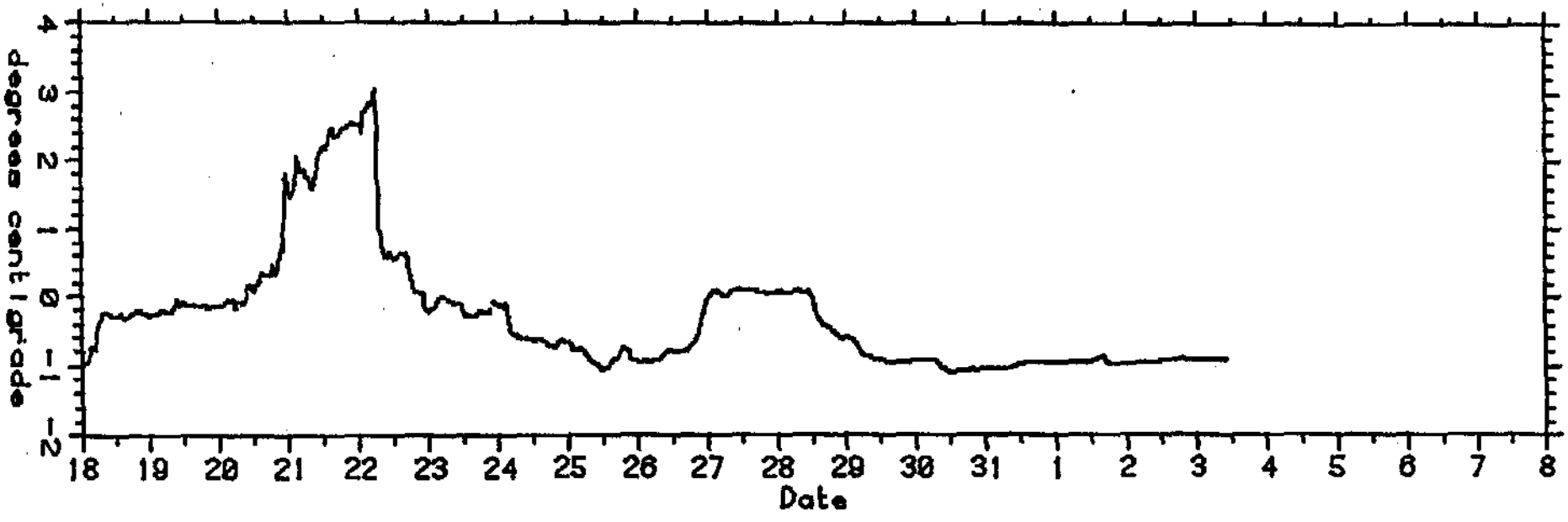

FIGURE C20. TEMPERATURE
POINT THOMSON STATION Y
0008, 18 AUGUST TO 1023, 3 SEPTEMBER, 1982

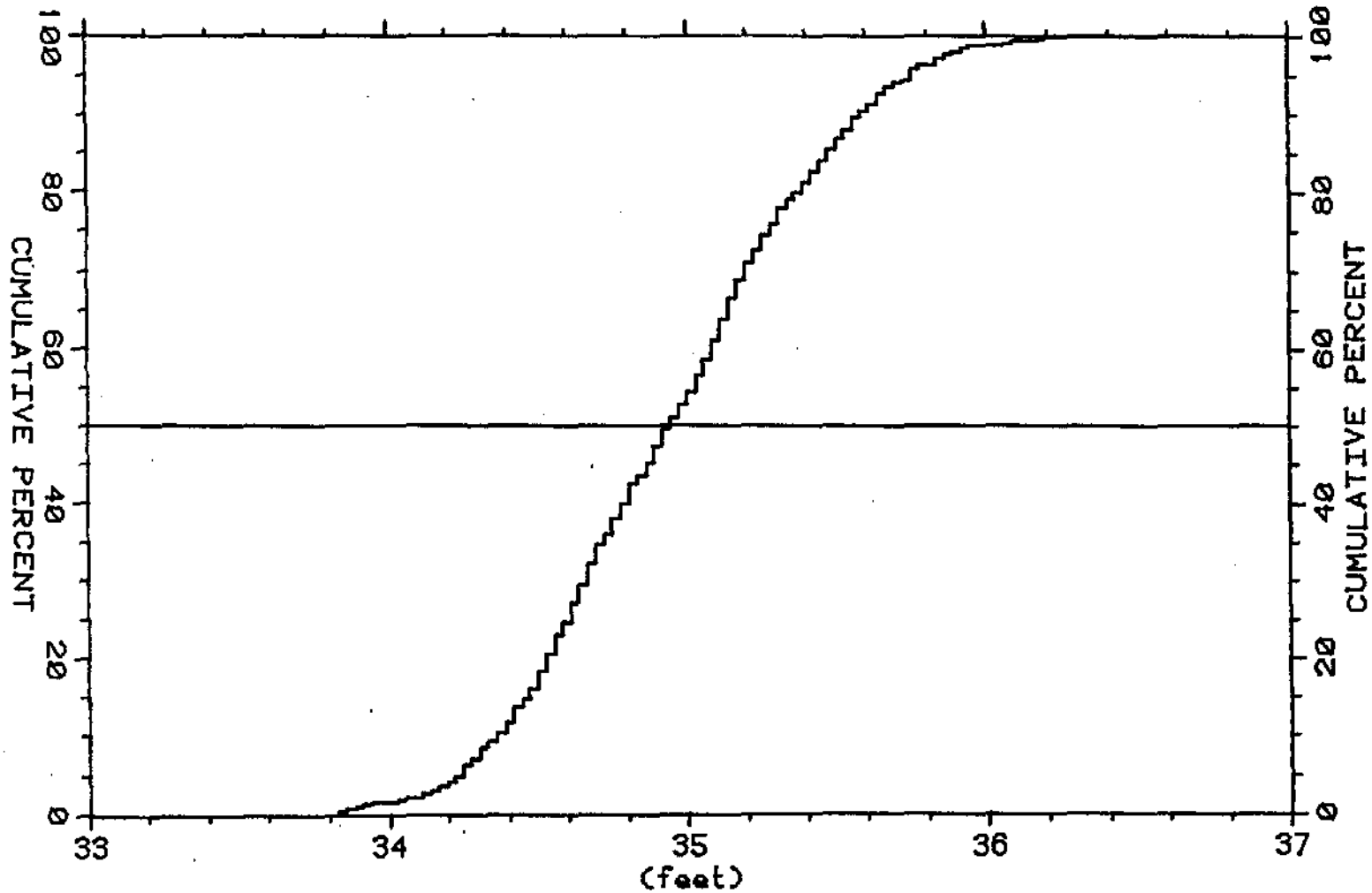

FIGURE C21 CUMULATIVE PROBABILITY PLOT
WATER DEPTH
PT. THOMSON STATION Y
1549, 28 JULY TO 1449, 2 SEPTEMBER, 1982
864 DATA POINTS

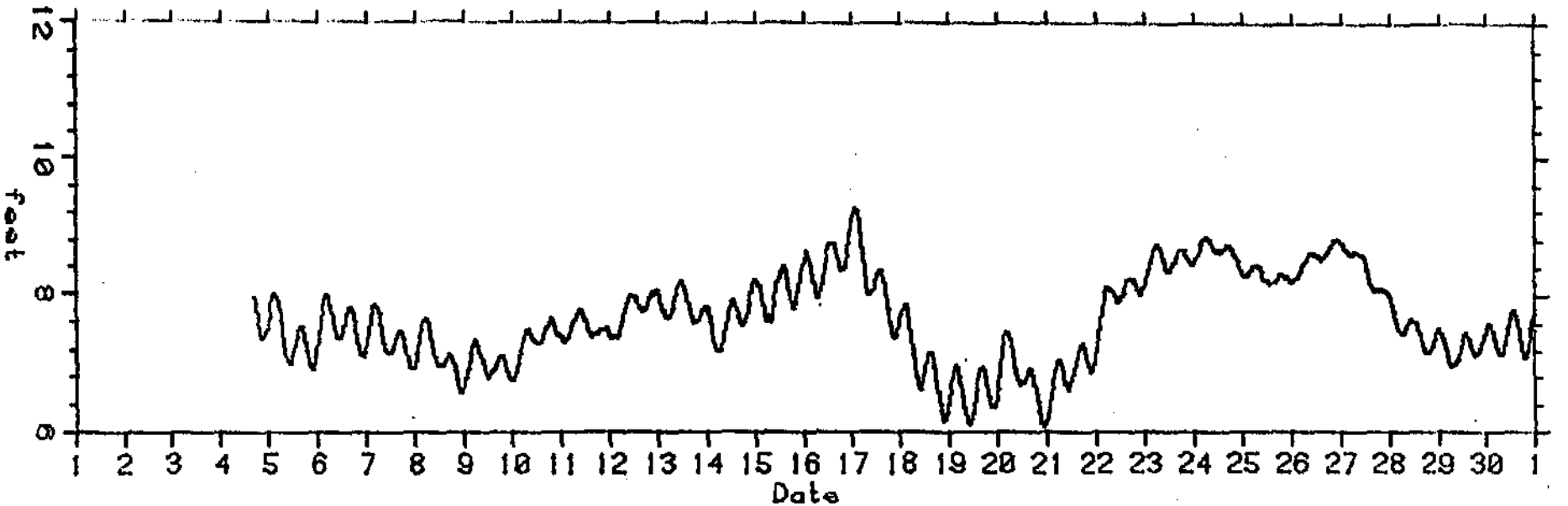

FIGURE C22. WATER DEPTH
POINT THOMSON STATION SP
1610, 4 SEPTEMBER TO 2355, 30 SEPTEMBER, 1982~

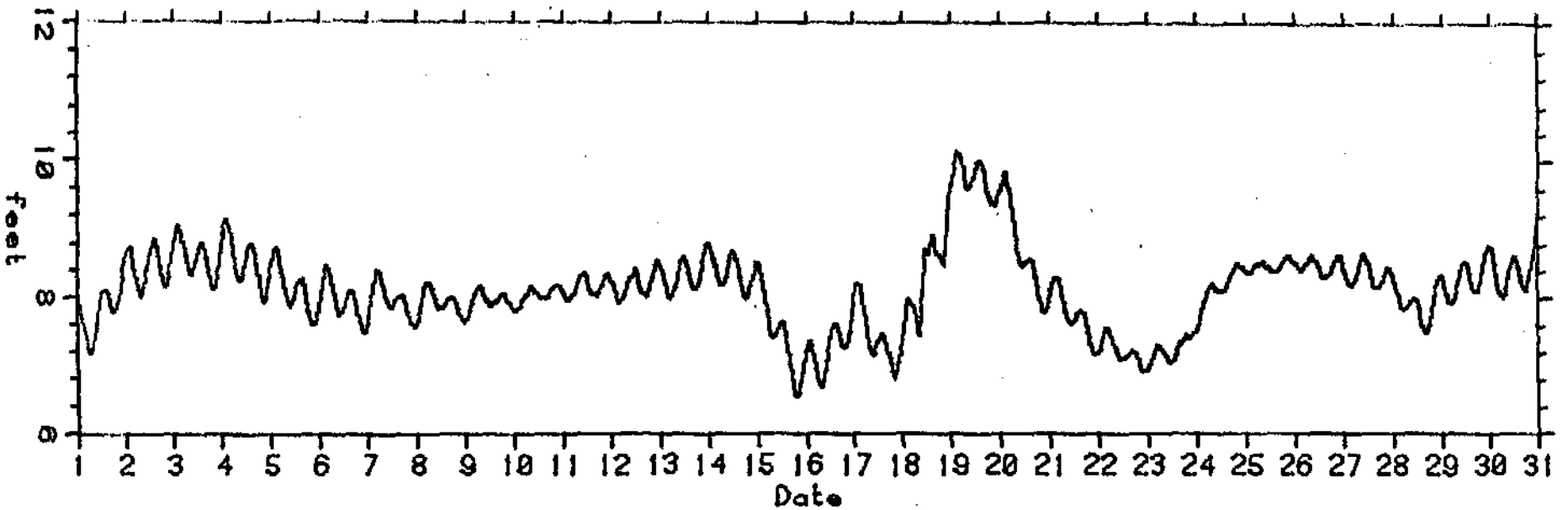

FIGURE C22. WATER DEPTH
POINT THOMSON STATION SP
0010, 1 OCTOBER TO 2355, 30 OCTOBER, 1982

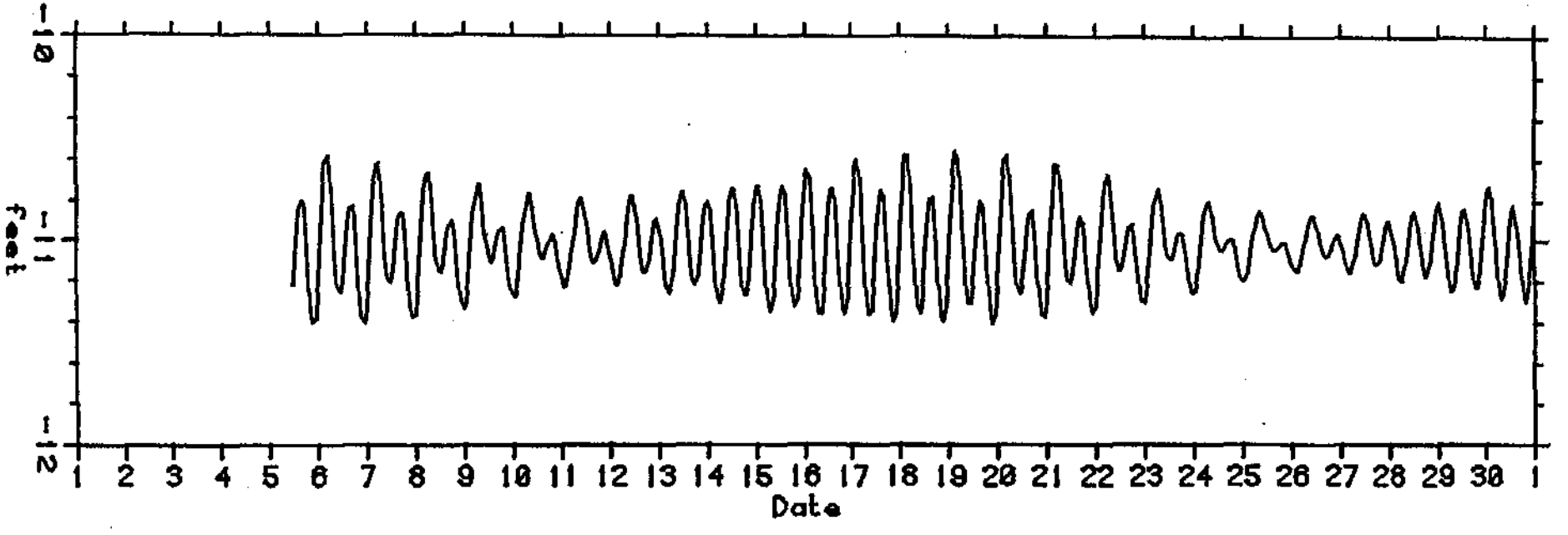

FIGURE C23. TIDE HEIGHTS
POINT THOMSON STATION SP
1136, 5 SEPTEMBER TO 2336, 30 SEPTEMBER, 1982

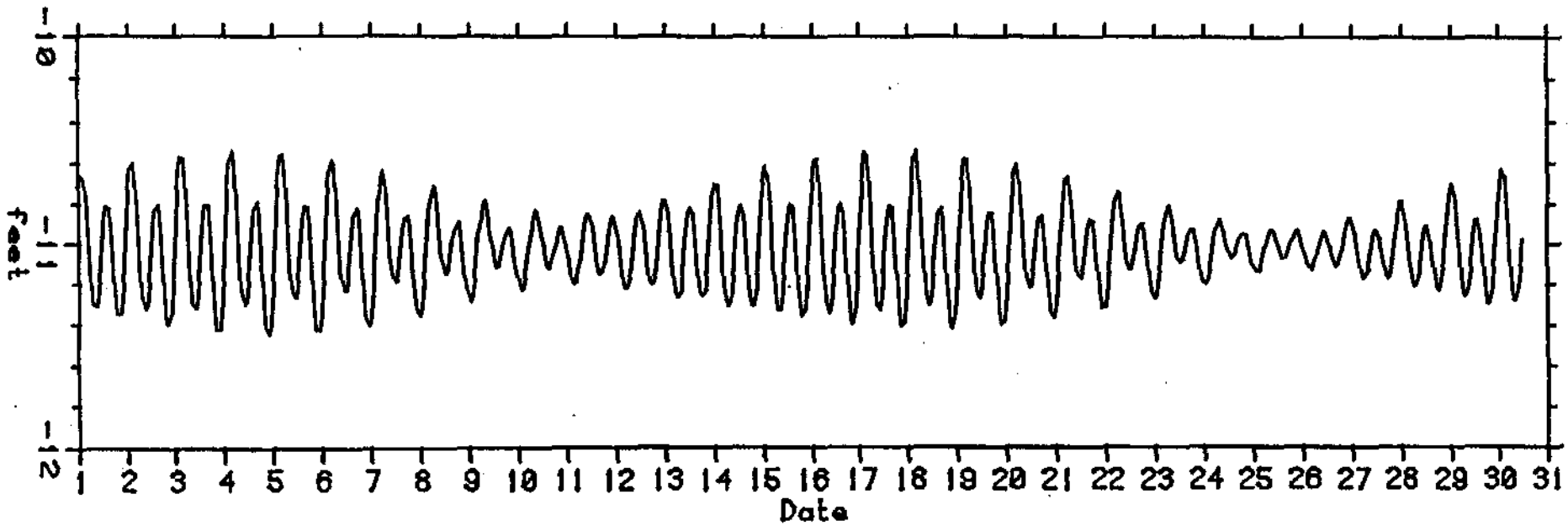

FIGURE C23. TIDE HEIGHTS
POINT THOMSON STATION SP
0036, 1 OCTOBER TO 1136, 30 OCTOBER, 1982

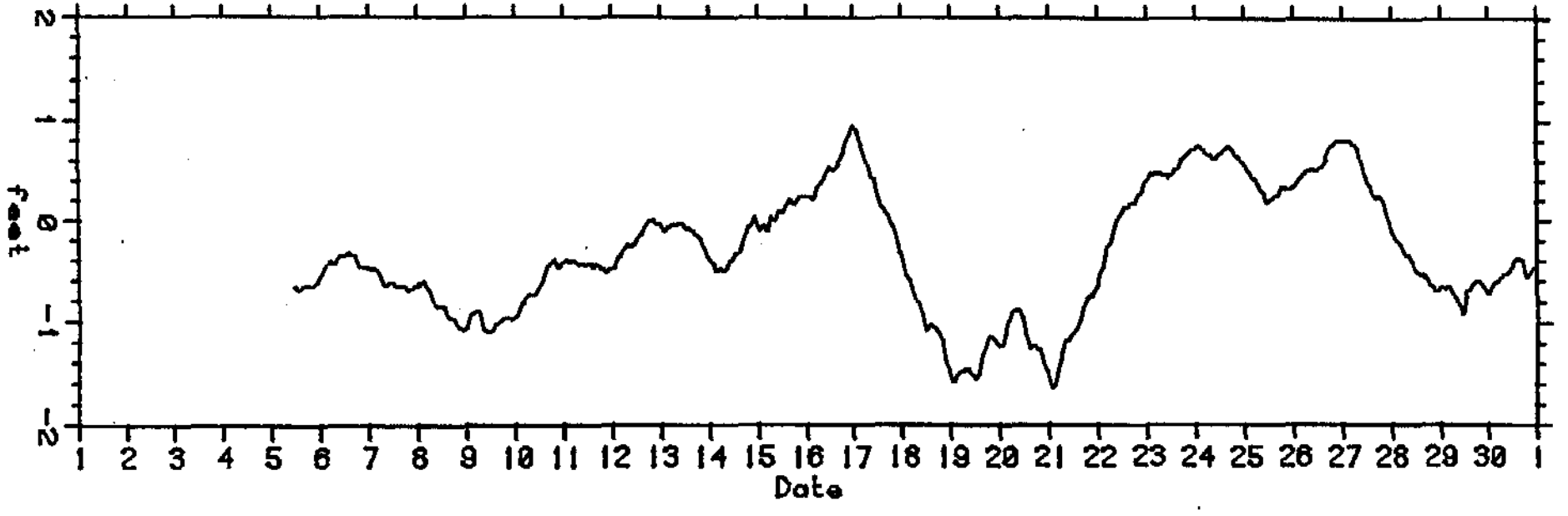

FIGURE C24. SURGE WATER DEPTH (TOTAL - TIDES)
POINT THOMSON STATION SP
1136, 5 SEPTEMBER TO 2336, 30 SEPTEMBER, 1982

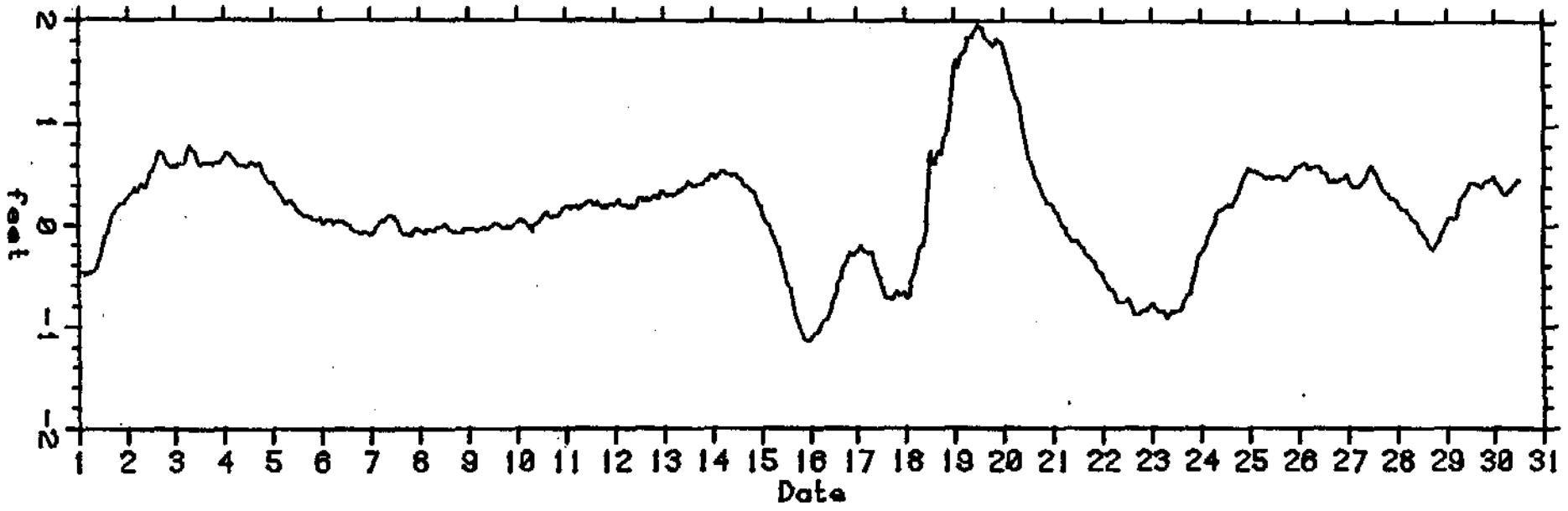

FIGURE C24. SURGE WATER DEPTH (TOTAL - TIDES)
POINT THOMSON STATION SP
0036, 1 OCTOBER TO 1136, 30 OCTOBER, 1982

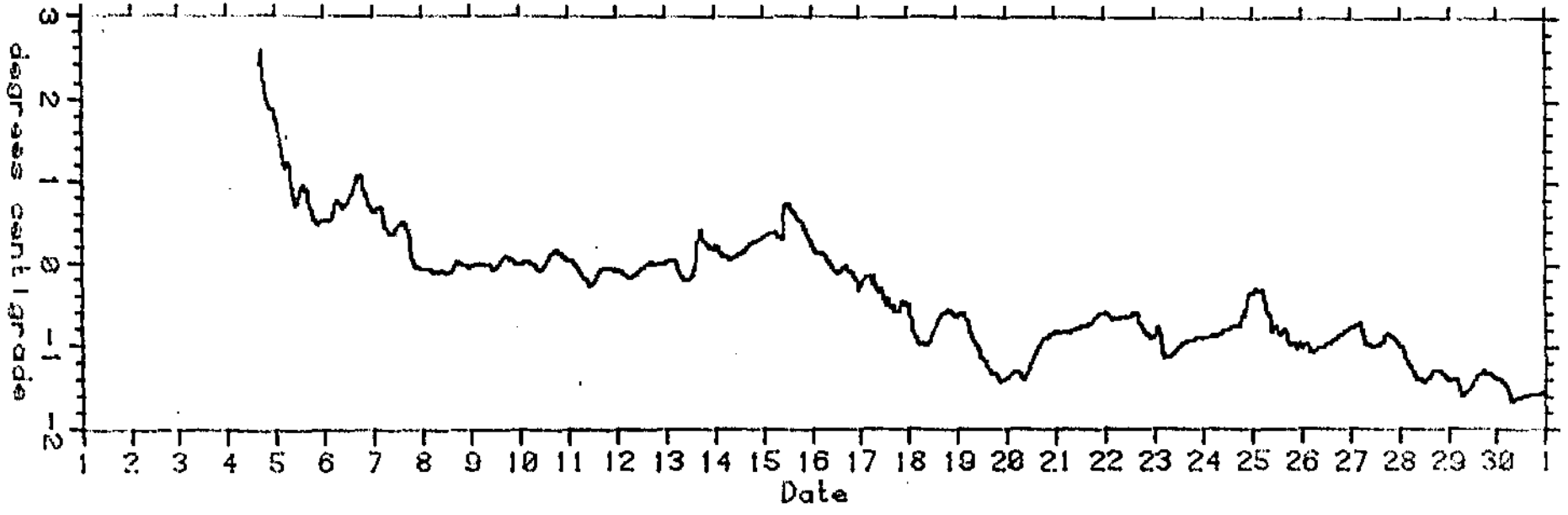

FIGURE C25. TEMPERATURE
POINT THOMSON STATION SP
1610, 1 SEPTEMBER TO 2355, 30 SEPTEMBER, 1982

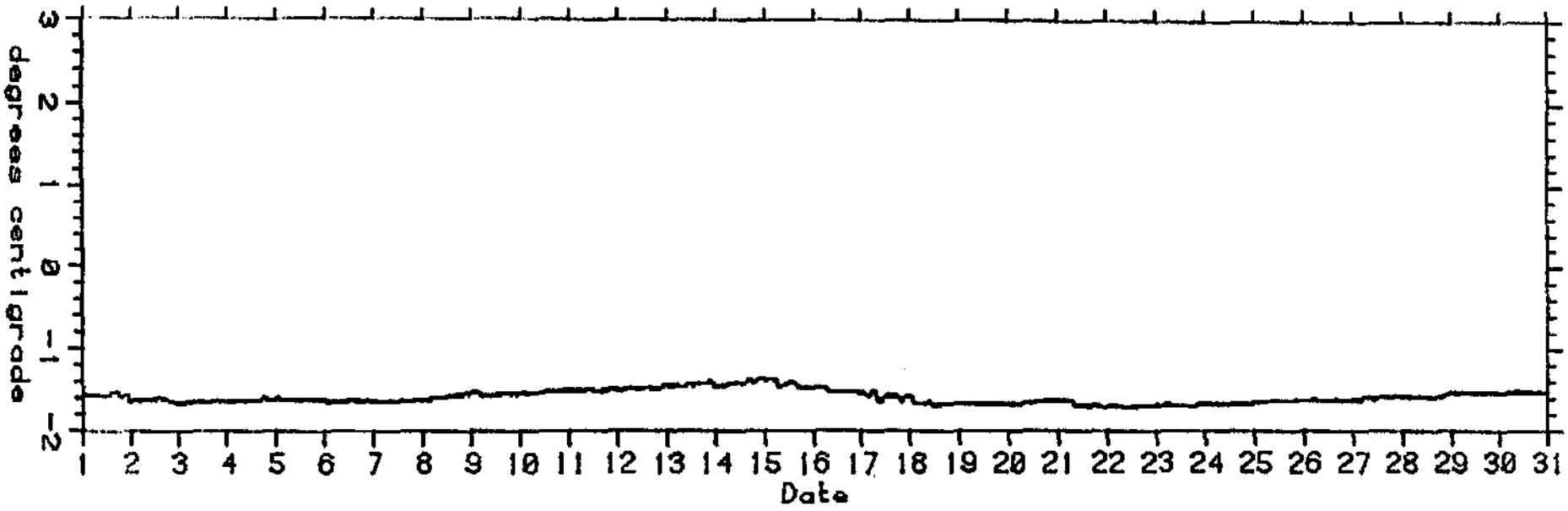

FIGURE C25. TEMPERATURE
POINT THOMSON STATION SP
0010, 1 OCTOBER TO 2355, 30 OCTOBER, 1982

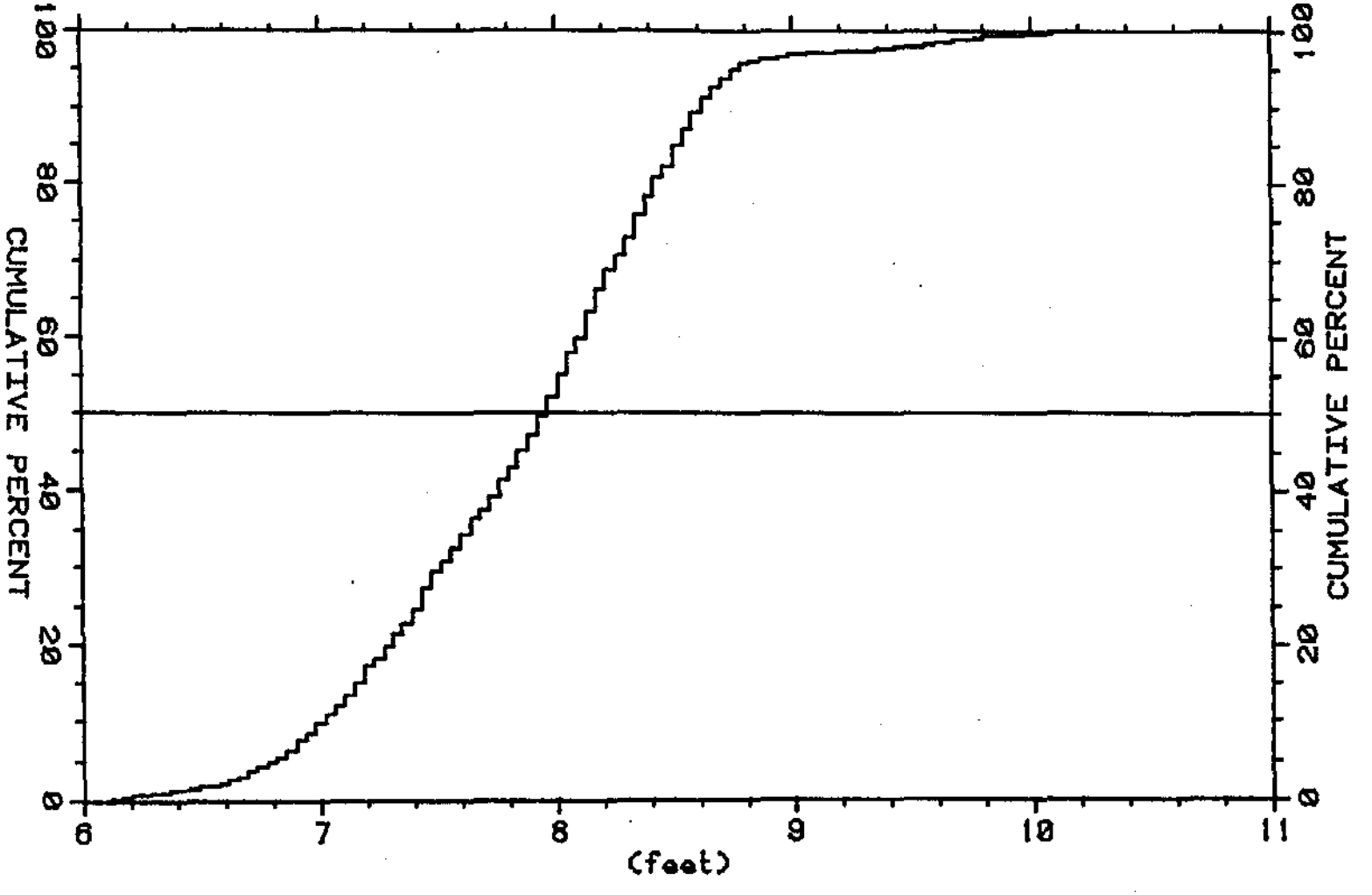

FIGURE C26. CUMULATIVE PROBABILITY PLOT
WATER DEPTH
1136, 5 SEPTEMBER TO 1136, 30 OCTOBER, 1982
PT. THOMSON STATION SP
1323 DATA POINTS

Table C1

Tidal Harmonic Constants

Point Thomson, Station AA.

Constituent	Frequency (CPD)	Amplitude (ft)	Phase (degrees) Based on: Start of Time Series	Phase (degrees) Based on: 0000 Hrs. ADT 1 January 1900
O1	0.92954	0.103	-125	89
K1	1.00274	0.126	-343	33
N2	1.89598	0.035	230	216
M2	1.93227	0.235	179	300
S2	2.00000	0.103	-244	55
M4	3.86454	0.004	- 81	162
M6	5.79682	0.002	- 85	28

Record Length: 24 days

Start of Time Series: 0959, 25 July 1982 ADT

Days from Century Start: 30156.416

Table C2

Tidal Harmonic Constants

Point Thomson, Station Z .

Constituent	Frequency (CPD)	Amplitude (ft)	Phase (degrees) Based on: Start of Time Series	Phase (degrees) Based on: 0000 Hrs. ADT 1 January 1900
O1	0.92954	0.095	-177	88
K1	1.00274	0.101	- 36	35
N2	1.89598	0.028	136	226
M2	1.93227	0.233	-285	302
S2	2.00000	0.106	11	60
M4	3.86454	0.002	51	146
M6	5.79682	0.002	37	106

Record Length: 41 days

Start of Time Series: 1338, 25 July 1982 ADT

Days from Century Start: 30156.568

Table C3

Tidal Harmonic Constants

Point Thomson, Station Q .

Constituent	Frequency (CPD)	Amplitude (ft)	Phase (degrees) Based on: Start of Time Series	Phase (degrees) Based on: 0000 Hrs. ADT 1 January 1900
O1	0.92954	0.088	- 83	97
K1	1.00274	0.074	-151	54
N2	1.89598	0.028	-122	268
M2	1.93227	0.213	-306	330
S2	2.00000	0.107	-207	95
M4	3.86454	0.003	-282	271
M6	5.79682	0.001	-282	295

Record Length: 32 days

Start of Time Series: 2203, 2 August 1982 ADT

Days from Century Start: 30164.919

Table C4

Tidal Harmonic Constants

Point Thomson, Station Y .

Constituent	Frequency (CPD)	Amplitude (ft)	Phase (degrees) Based on: Start of Time Series	Phase (degrees) Based on: 0000 Hrs. ADT 1 January 1900
O1	0.92954	0.090	-126	93
K1	1.00274	0.073	- 49	58
N2	1.89598	0.029	-139	261
M2	1.93227	0.222	-250	328
S2	2.00000	0.106	- 27	88
M4	3.86454	0.001	-124	311
M6	5.79682	0.002	- 69	333

Record Length: 36 days

Start of Time Series: 1549, 28 July 1982 ADT

Days from Century Start: 30159.659

Table C5

Tidal Harmonic Constants

Point Thomson, Station SP.

Constituent	Frequency (CPD)	Amplitude (ft)	Phase (degrees) Based on: Start of Time Series	Phase (degrees) Based on: 0000 Hrs. ADT 1 January 1900
O1	0.92954	0.086	-117	134
K1	1.00274	0.062	- 44	38
N2	1.89598	0.031	+ 50	309
M2	1.93227	0.226	-212	12
S2	2.00000	0.119	-254	94
M4	3.86454	0.001	- 77	12
M6	5.79682	0.002	+ 80	142

Record Length: 55 days

Start of Time Series: 1136, 5 September 1982 ADT

Days from Century Start: 30198.483

Appendix D: Coastal Currents Results

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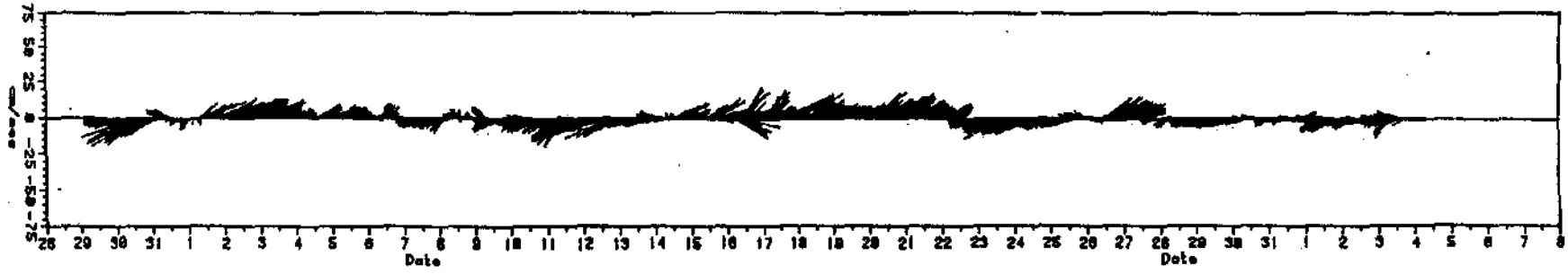


Figure D1. Vector Stick Plot, Station E; 1/2 Hour Average Current, Endeco #232; 2122, 29 July to 0722, 4 September 1982.

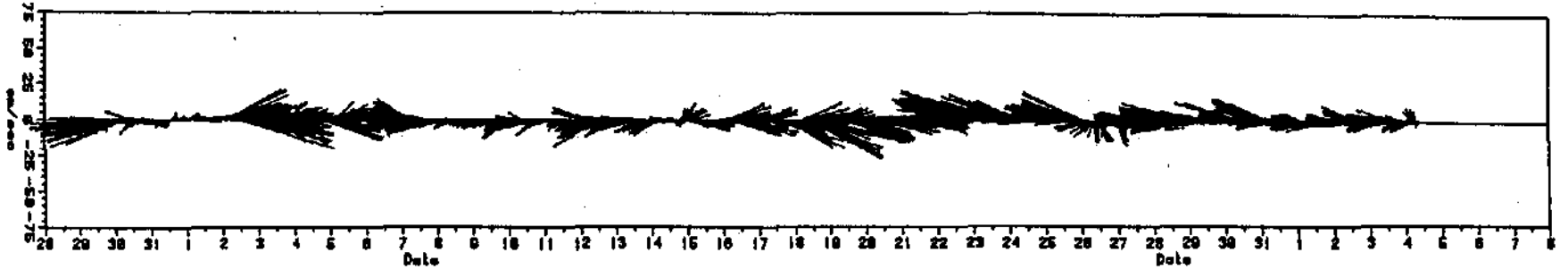


Figure D3 . Vector Stick Plot, Station P; 1/2 Hour Average Current, Endeco #048; 1545, 29 July to 0845, 4 September 1982.

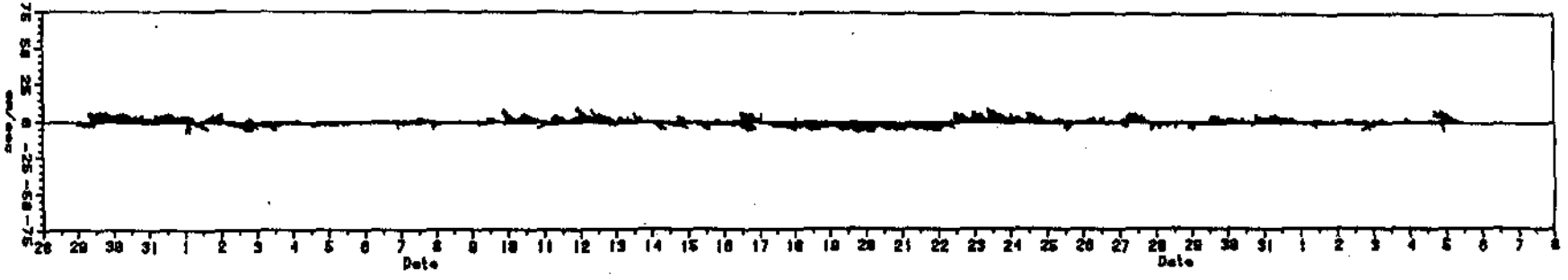


Figure D4. Vector Stick Plot, Station S (top) - 1/2 Hr. Average Current, Endeco #175; 2252, 28 July to 1022, 5 September 1982.

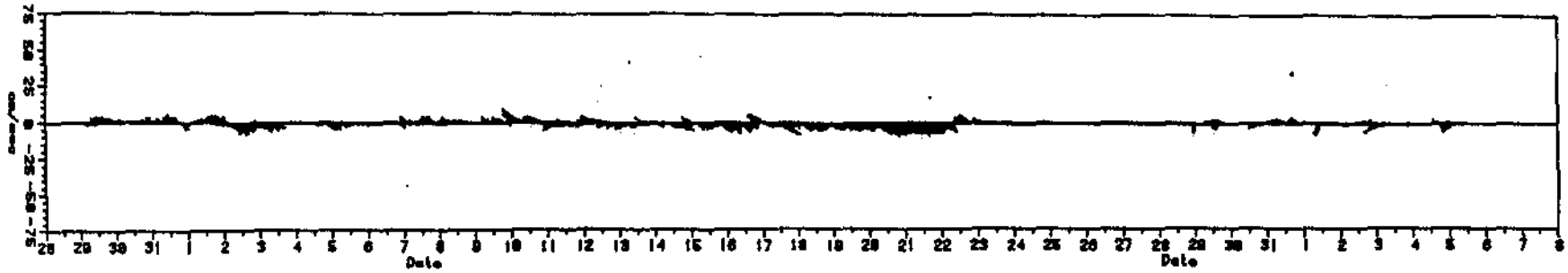


Figure D5. Vector Stick Plot, Station S (bottom) - 1/2 Hr. Average Current, Endeco #052, 2242, 28 July to 1012, 5 September 1982.

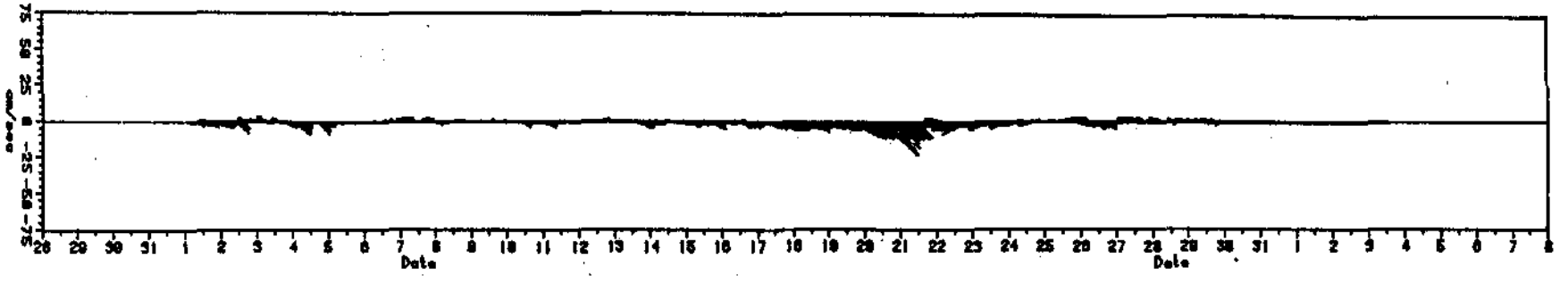


Figure D6 . Vector Stick Plot, Station Q; 1/2 Hr. Average Current, Endeco #047, 0228, 1 August to 1228, 3 September 1982.

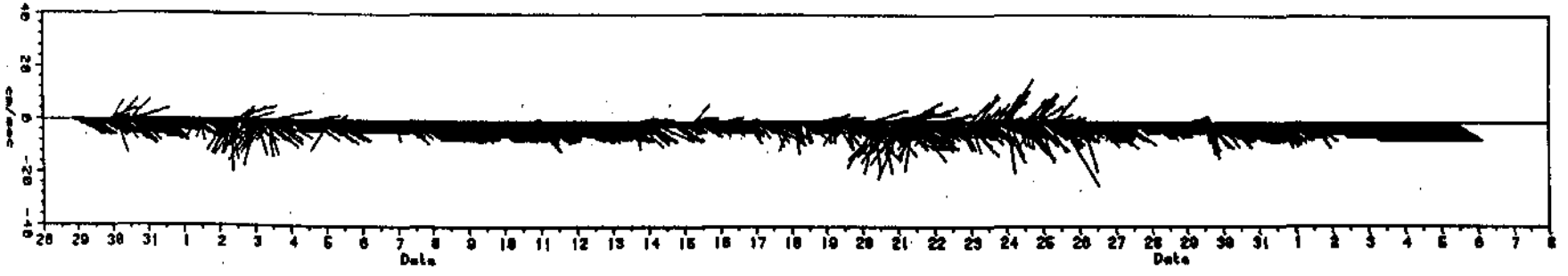


Figure D7 . Vector Stick Plot, Station T; South of Flaxman Island (7' Depth), 2020, 28 July , 0950, 5 September 1982.

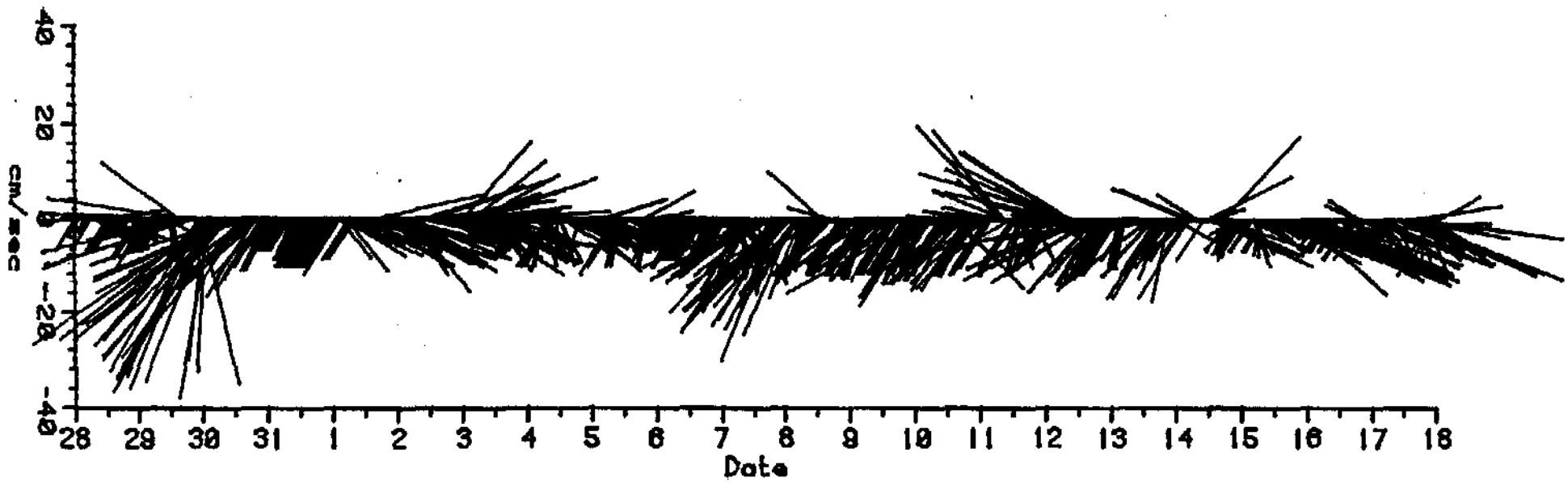


FIGURE D8. VECTOR STICK PLOT
POINT THOMSON STATION D CURRENT
0010, 28 JULY TO 2340, 17 AUGUST, 1982

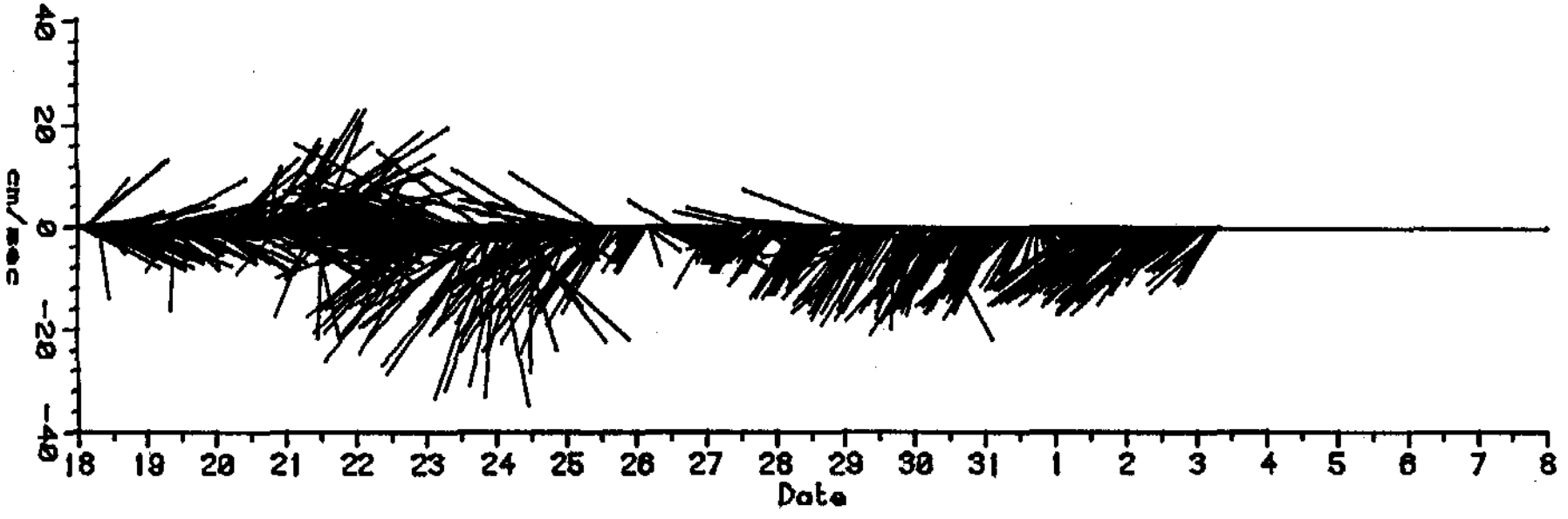


FIGURE D8. VECTOR STICK PLOT
POINT THOMSON STATION D CURRENT
0010, 18 AUGUST TO 0940, 3 SEPTEMBER, 1982

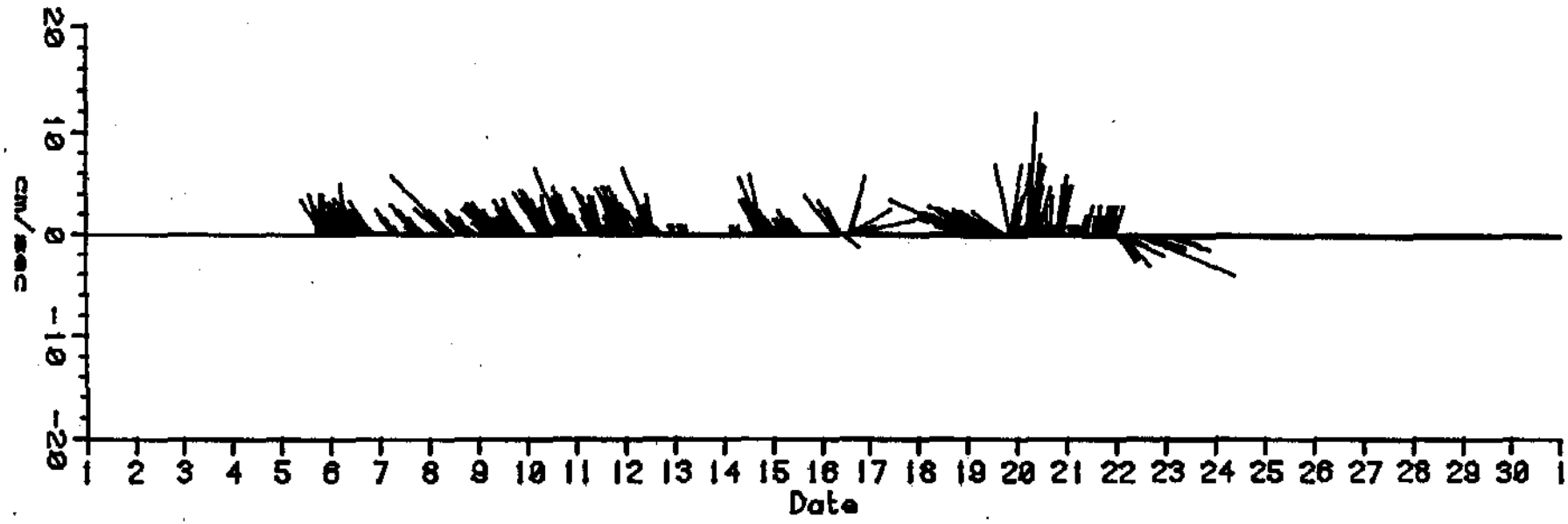


FIGURE D9 . VECTOR STICK PLOT
POINT THOMSON STATION SP CURRENT
1600, 5 SEPTEMBER TO 2300, 30 SEPTEMBER, 1982

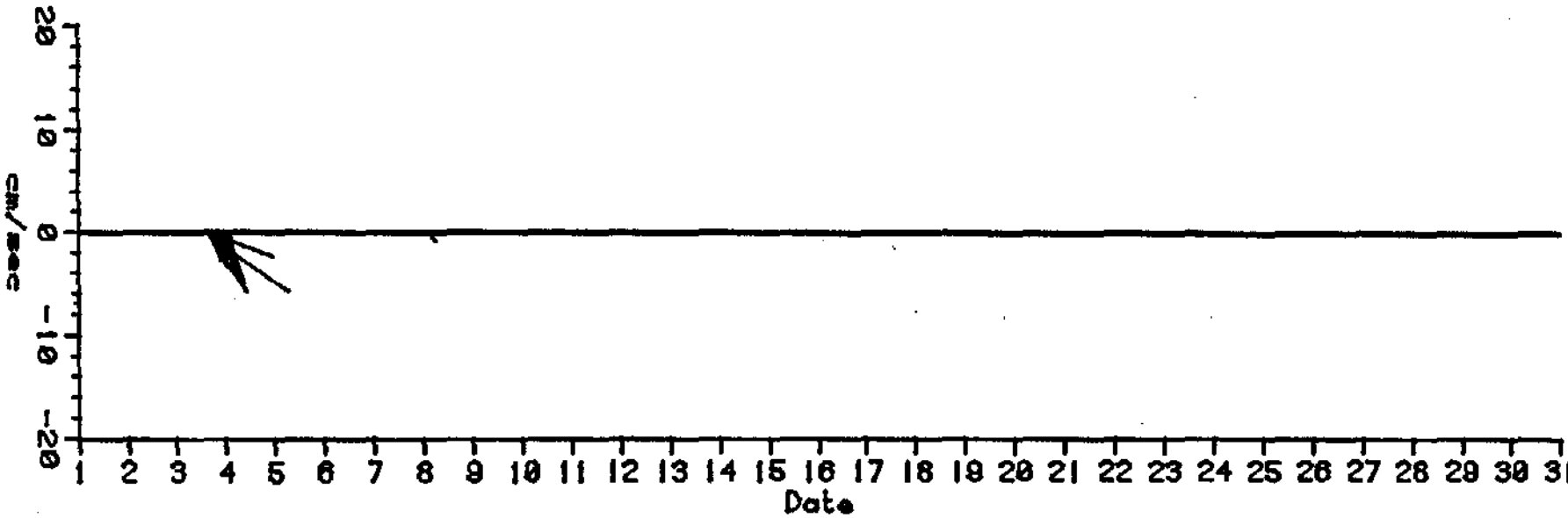


FIGURE D9. VECTOR STICK PLOT
POINT THOMSON STATION SP CURRENT
0000, 1 OCTOBER TO 2300, 30 OCTOBER, 1982

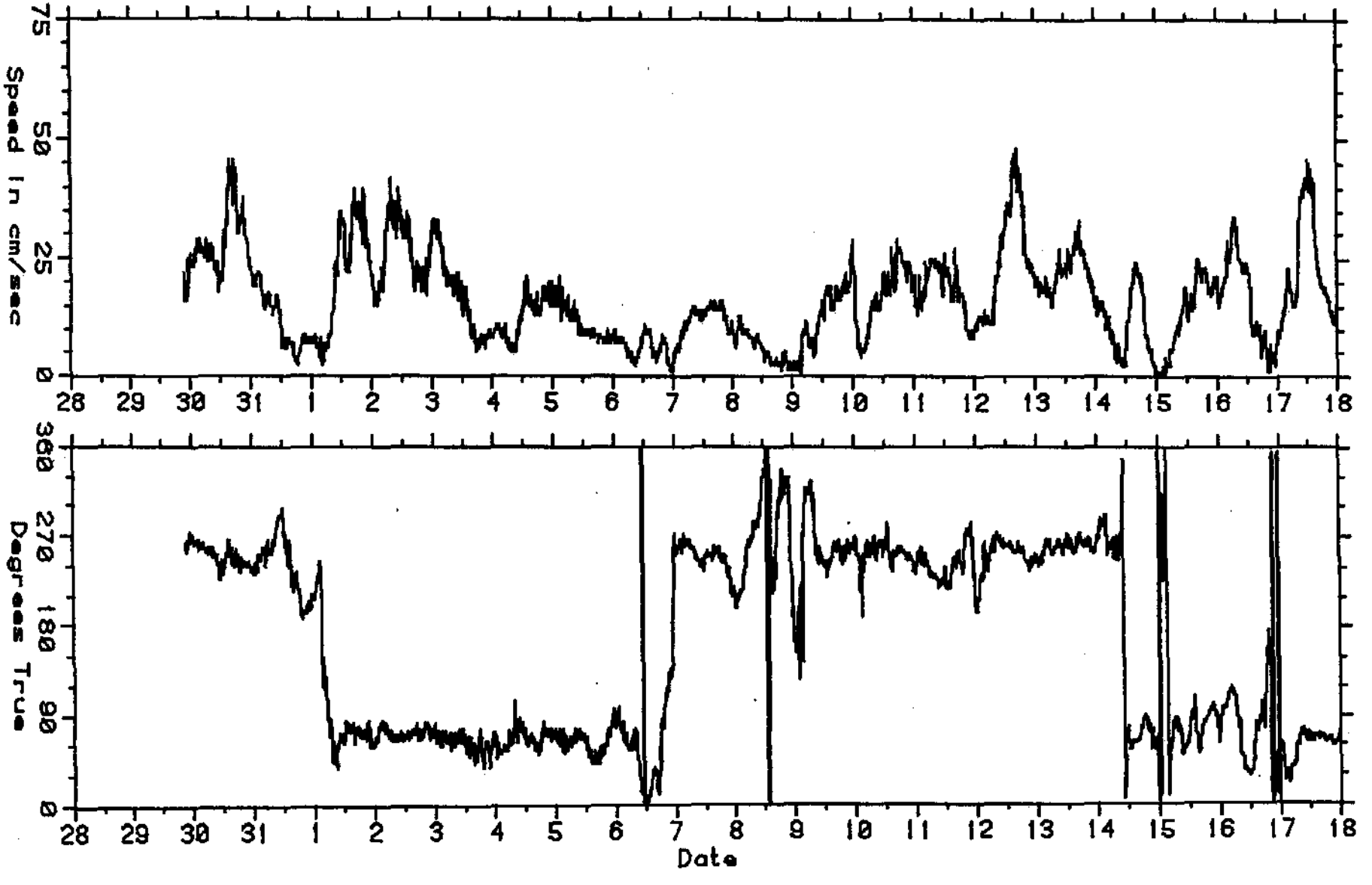


FIGURE D10 Speed and Direction Data
Station E; South of Alaska Island, Endeco #232
2109, 29 July to 2359, 17 August, 1982

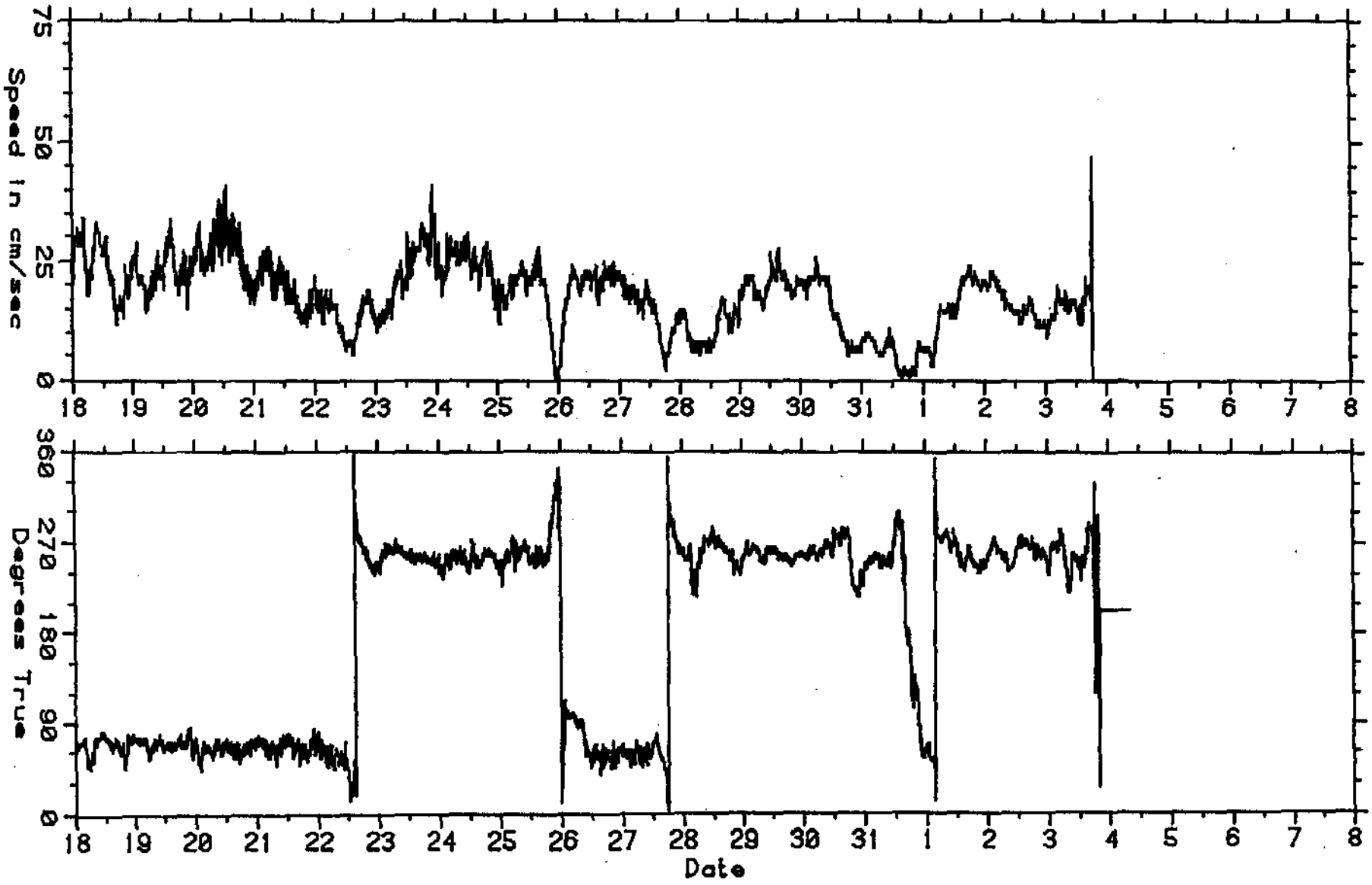


FIGURE D10

Speed and Direction Data
Station E, South of Alaska Island, Endeco #232
0004, 18 August to 0754, 4 September, 1982.

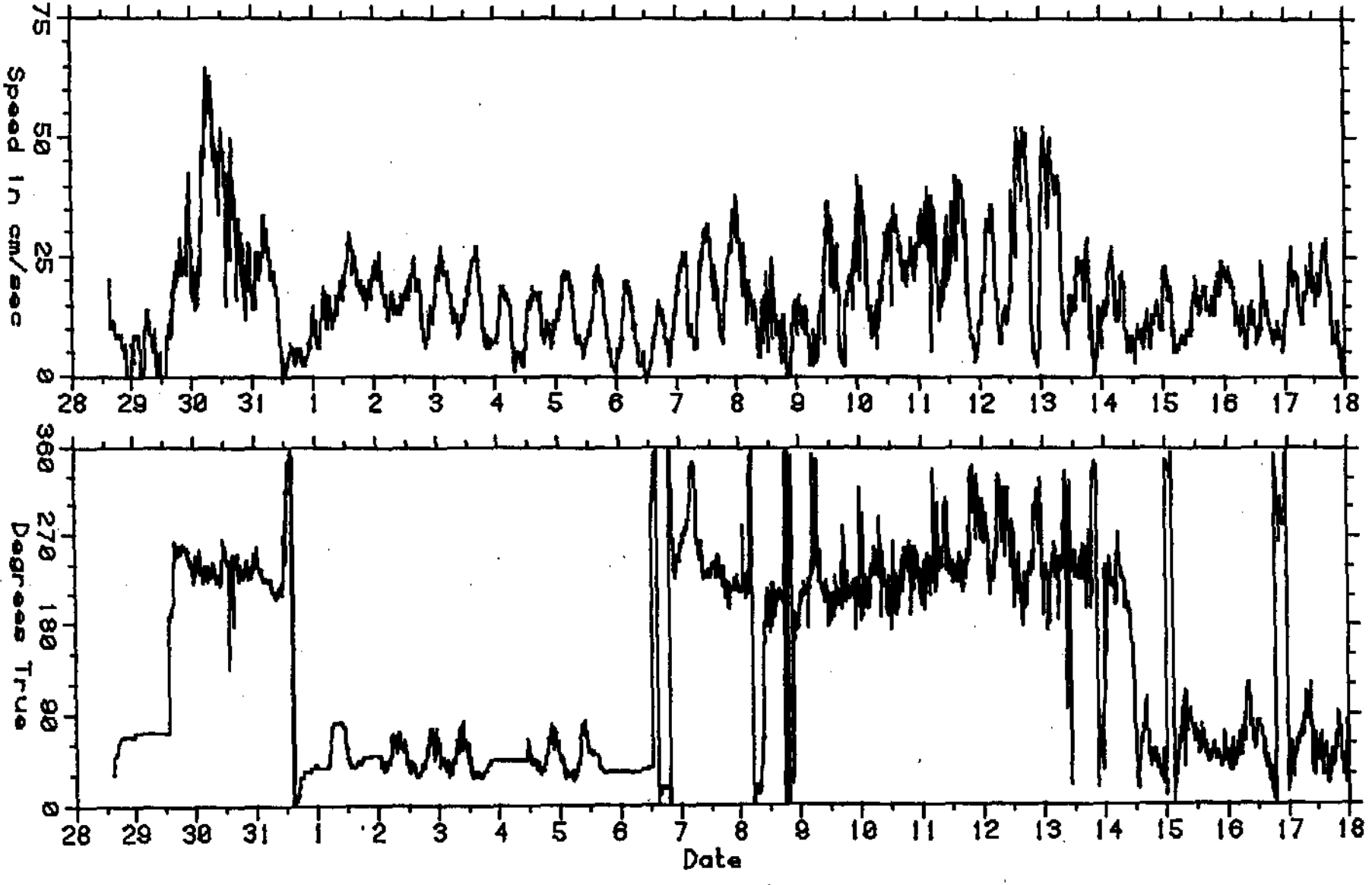


FIGURE D11. SPEED AND DIRECTION DATA
STATION 0 - MARY SACHS ENTRANCE - ENDECO #049
1525, 28 JULY TO 0000, 18 AUGUST, 1982

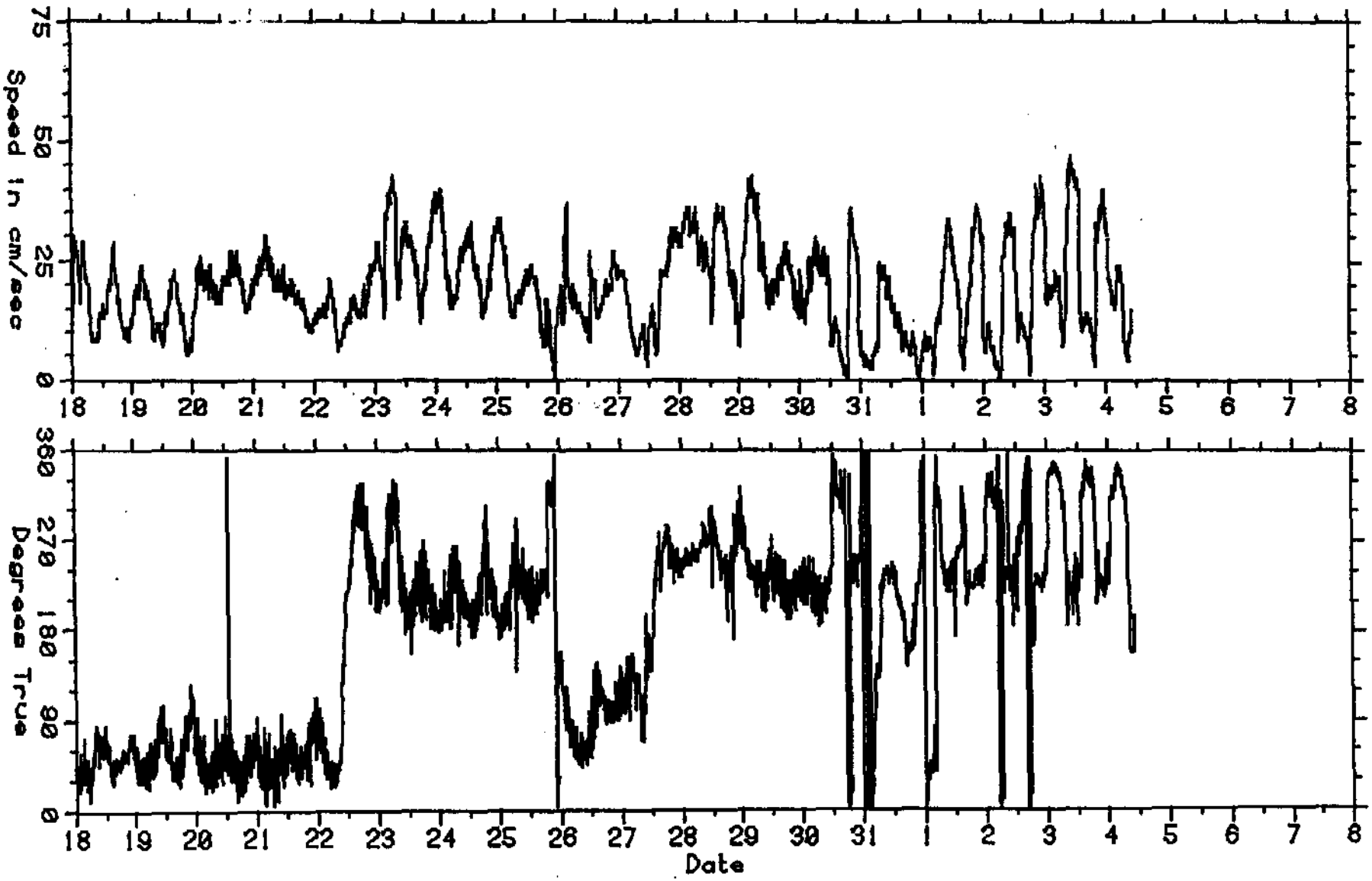


FIGURE D11. SPEED AND DIRECTION DATA
STATION O - MARY SACHS ENTRANCE - ENDECO #049
0000, 18 AUGUST TO 1035, 4 SEPTEMBER, 1982

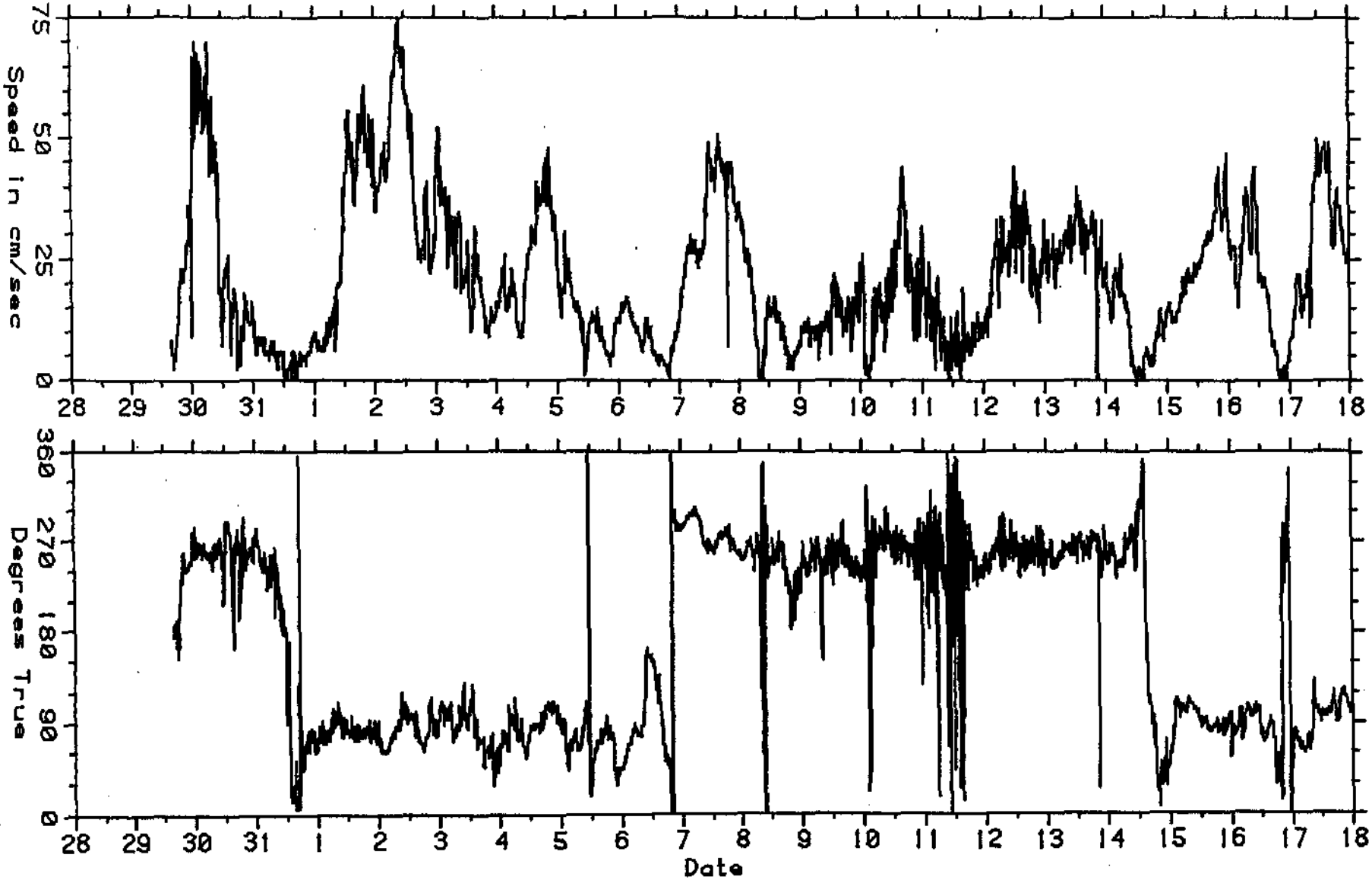


FIGURE D12. SPEED AND DIRECTION DATA
STATION P - MARY SACHS ENTRANCE - ENDECO #048
1532, 29 JULY TO 2357, 17 AUGUST, 1982

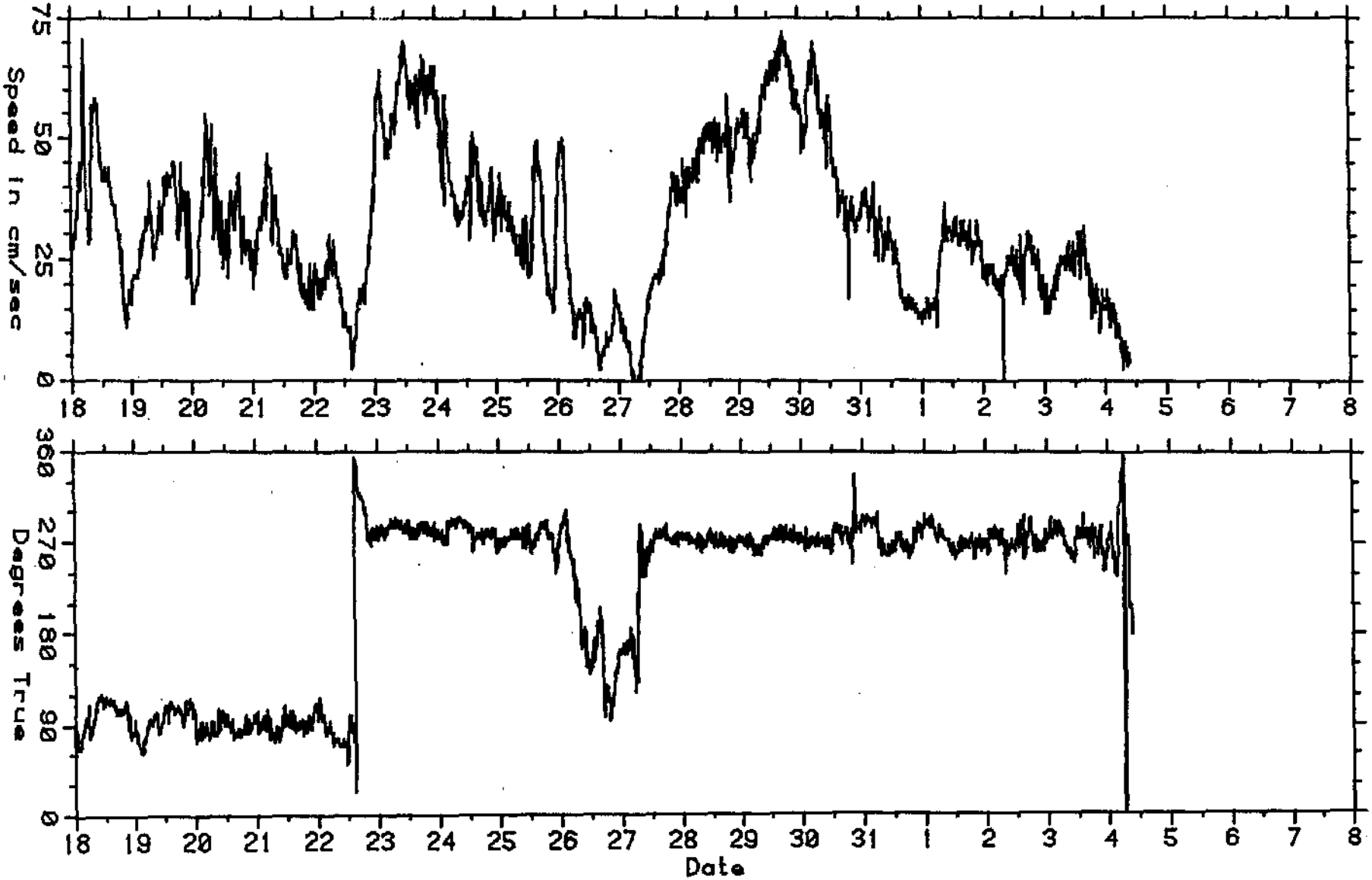


FIGURE D12, SPEED AND DIRECTION DATA
STATION P - MARY SACHS ENTRANCE - ENDECO #048
0002, 18 AUGUST TO 0922, 4 SEPTEMBER, 1982

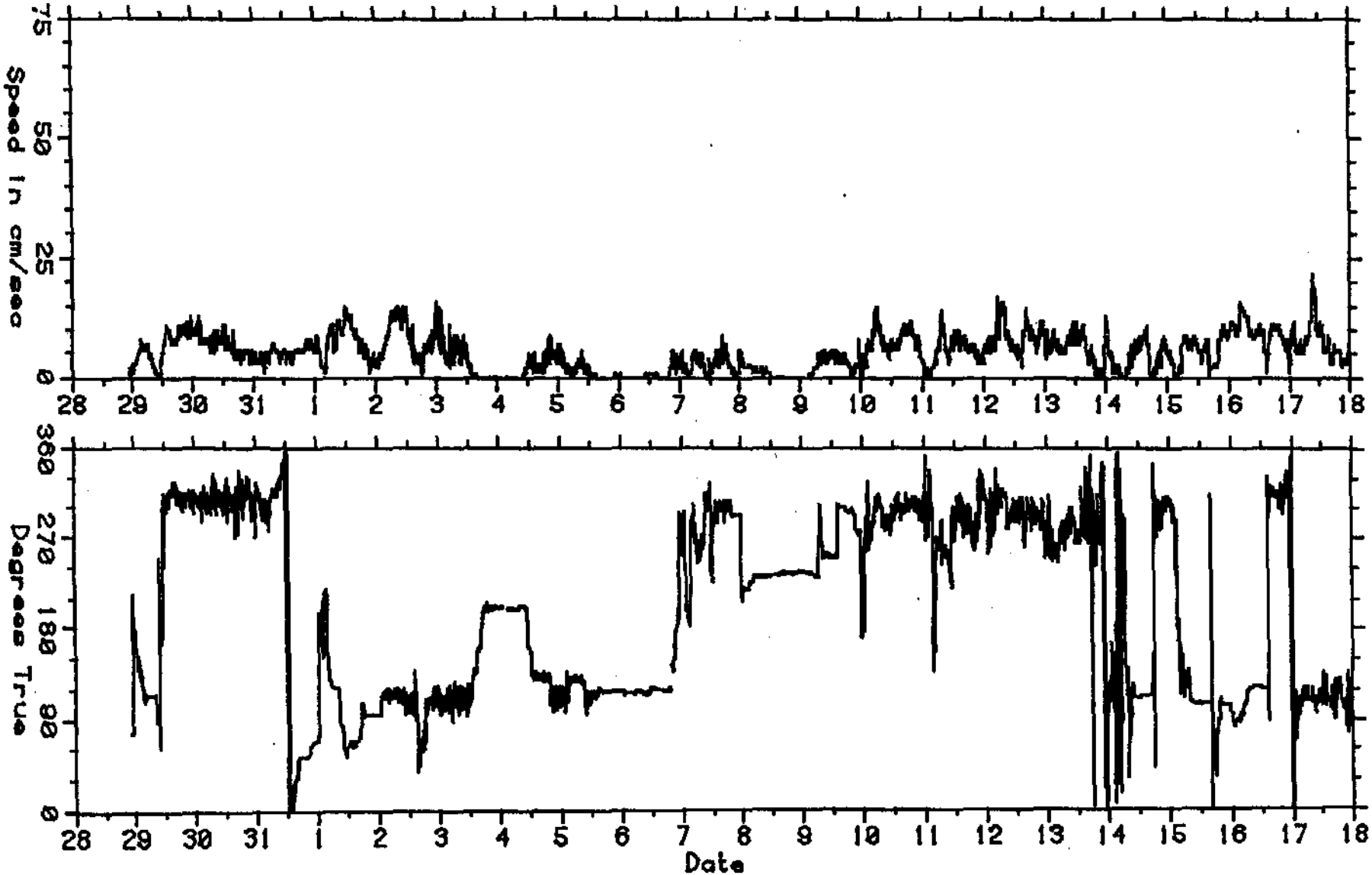


FIGURE D13. Speed and Direction Data
Station S (Top), South of Flaxman Island, Endeco #175
2239, 28 July to 2359, 17 August, 1982.

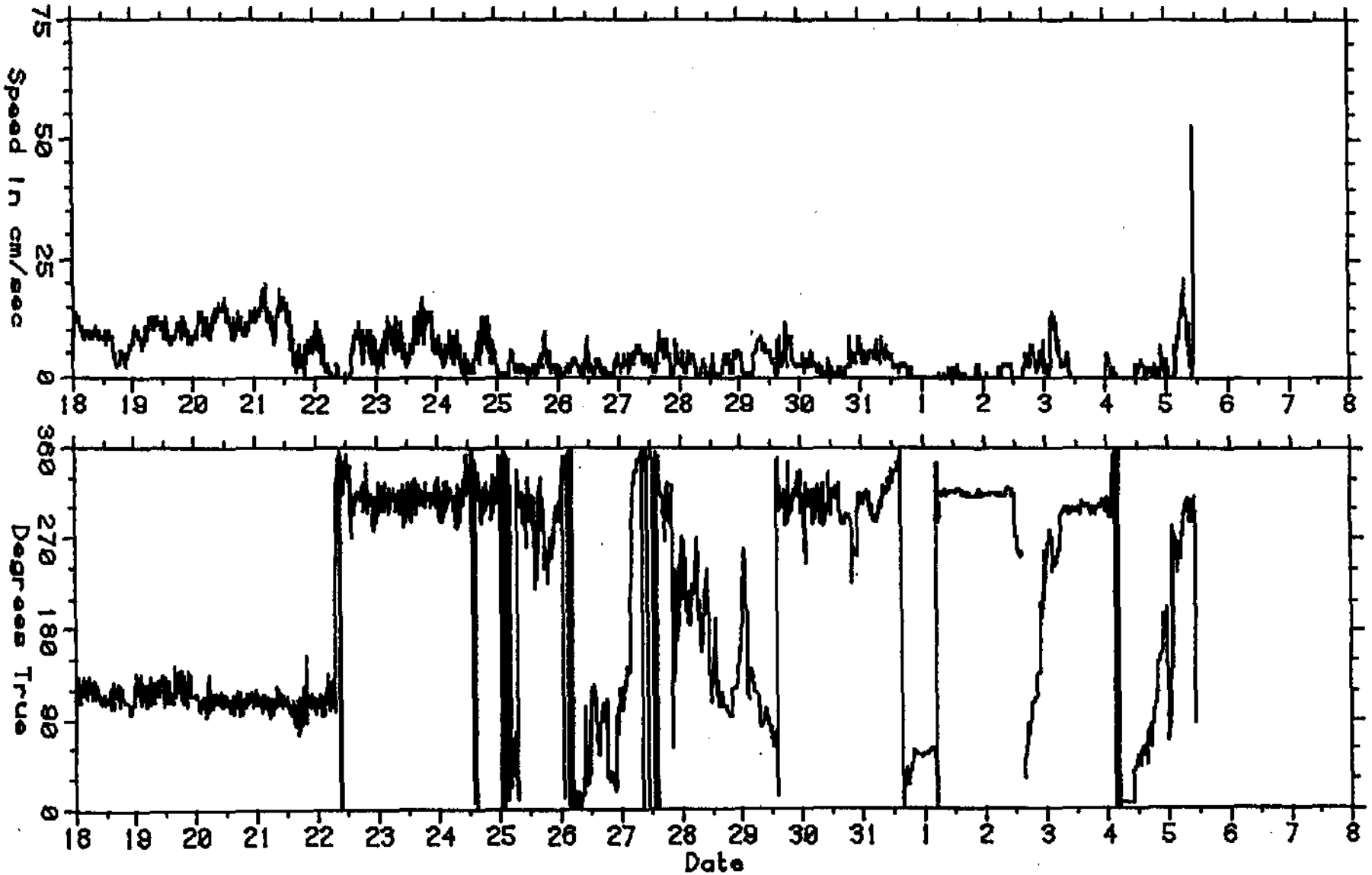


FIGURE D13. SPEED AND DIRECTION DATA
STATION S (TOP) - SOUTH OF FLAXMAN ISLAND - ENDECO #175
0004, 18 JULY TO 1044, 5 SEPTEMBER, 1982

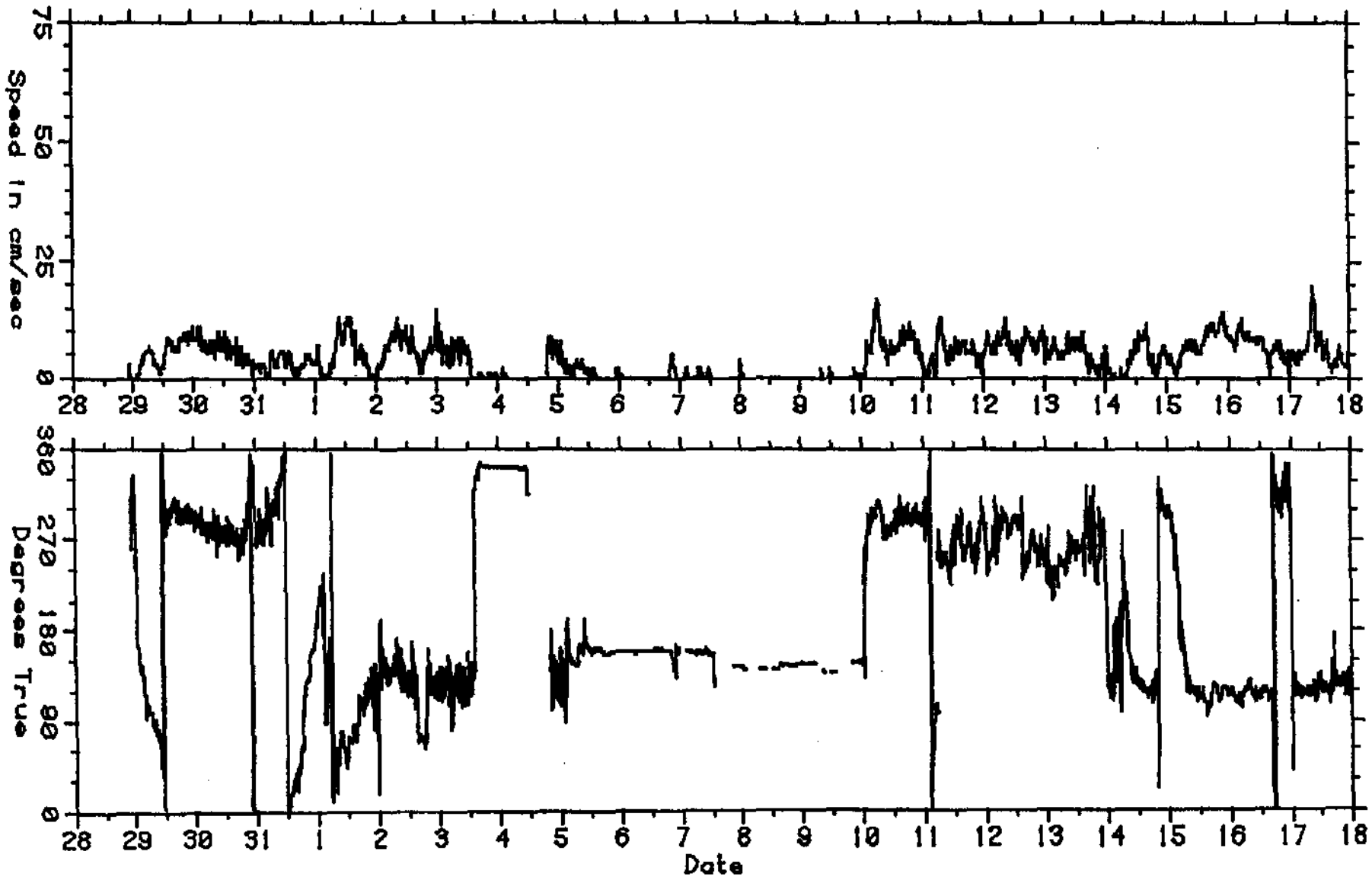


FIGURE D14. SPEED AND DIRECTION DATA
STATION S (BOTTOM) - SOUTH OF FLAXMAN ISLAND - ENDECO #052
2229, 28 JULY TO 2359, 17 AUGUST, 1982

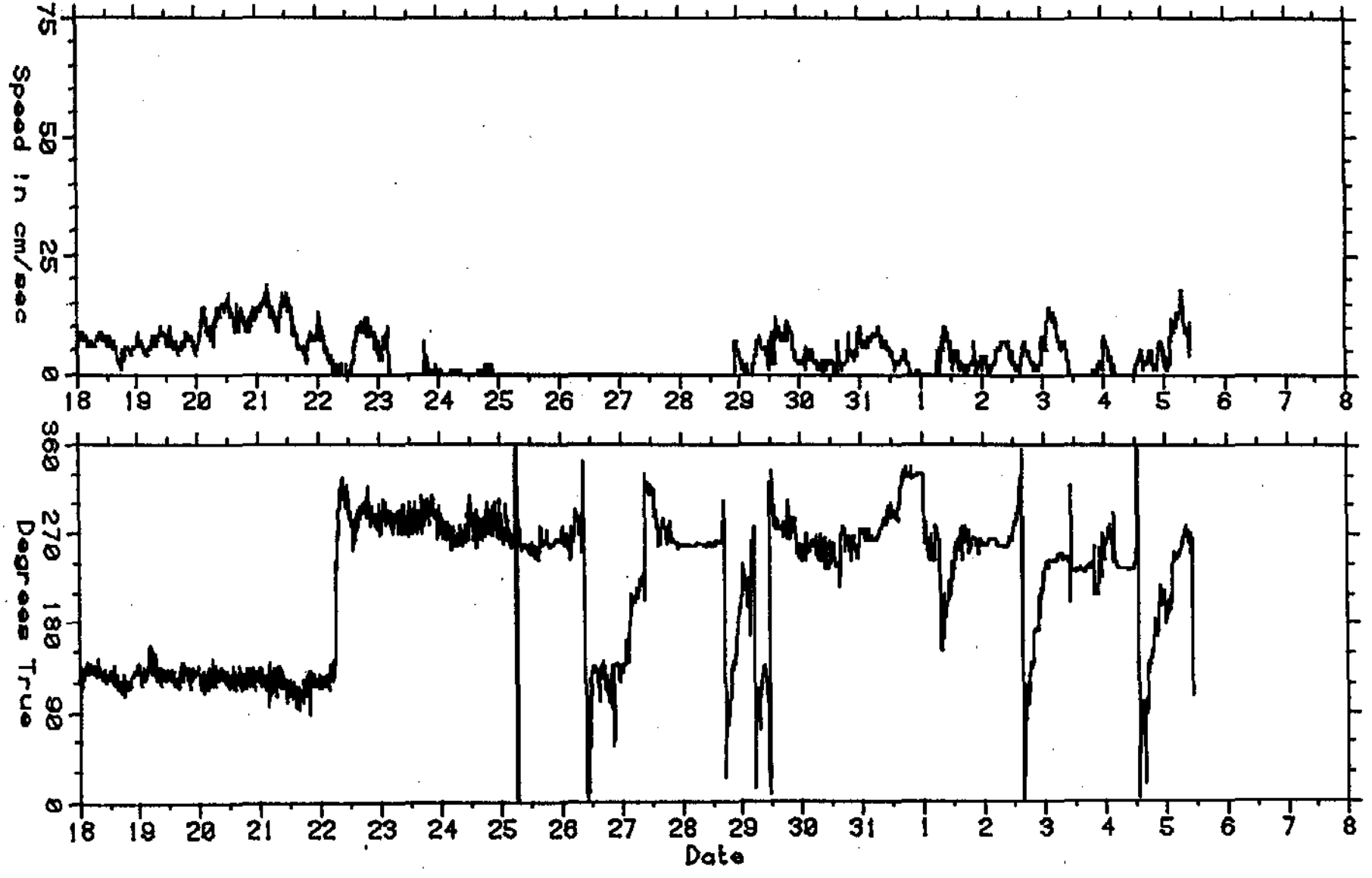


FIGURE D14 SPEED AND DIRECTION DATA
STATION S (BOTTOM) - SOUTH OF FLAXMAN ISLAND - ENDECO #052
0004, 18 AUGUST TO 1039, 5 SEPTEMBER, 1982

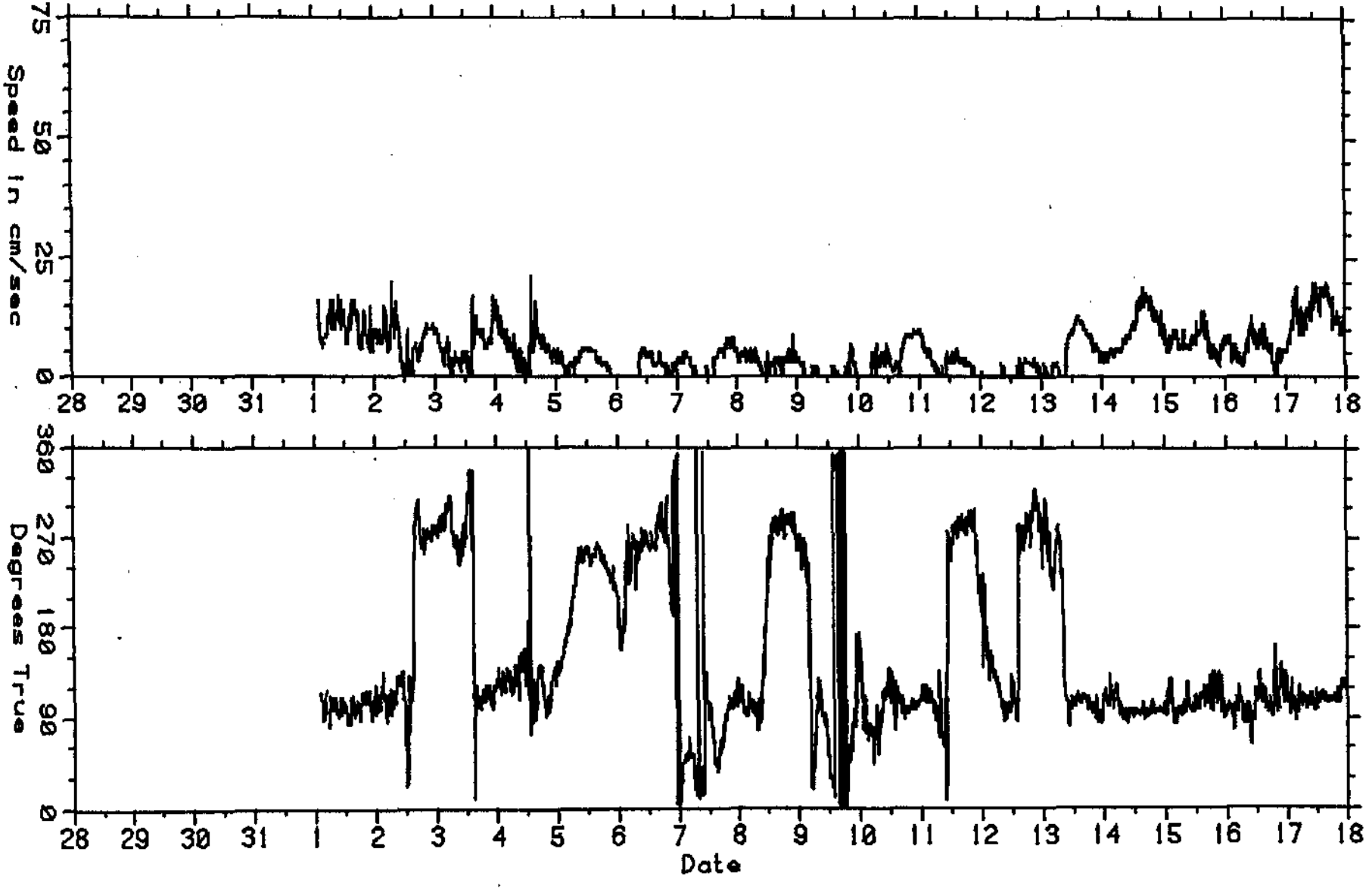


FIGURE D15. SPEED AND DIRECTION DATA
STATION Q - NORTH OF FLAXMAN ISLAND - ENDECO #047
0215, 1 AUGUST TO 0000, 18 AUGUST, 1982

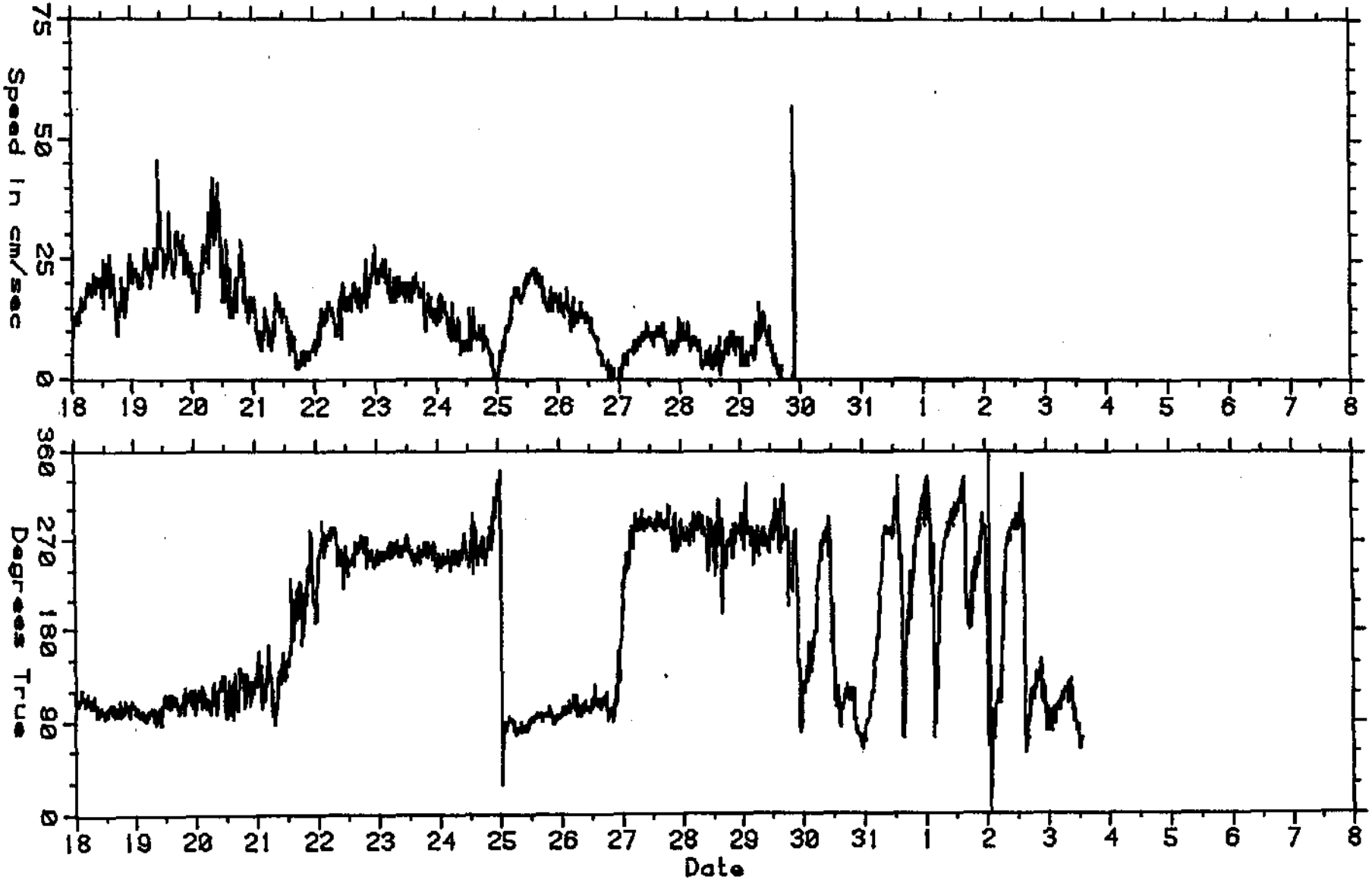


FIGURE D15. SPEED AND DIRECTION DATA
STATION Q - NORTH OF FLAXMAN ISLAND - ENDECO #047
0000, 18 AUGUST TO 1300, 3 SEPTEMBER, 1982

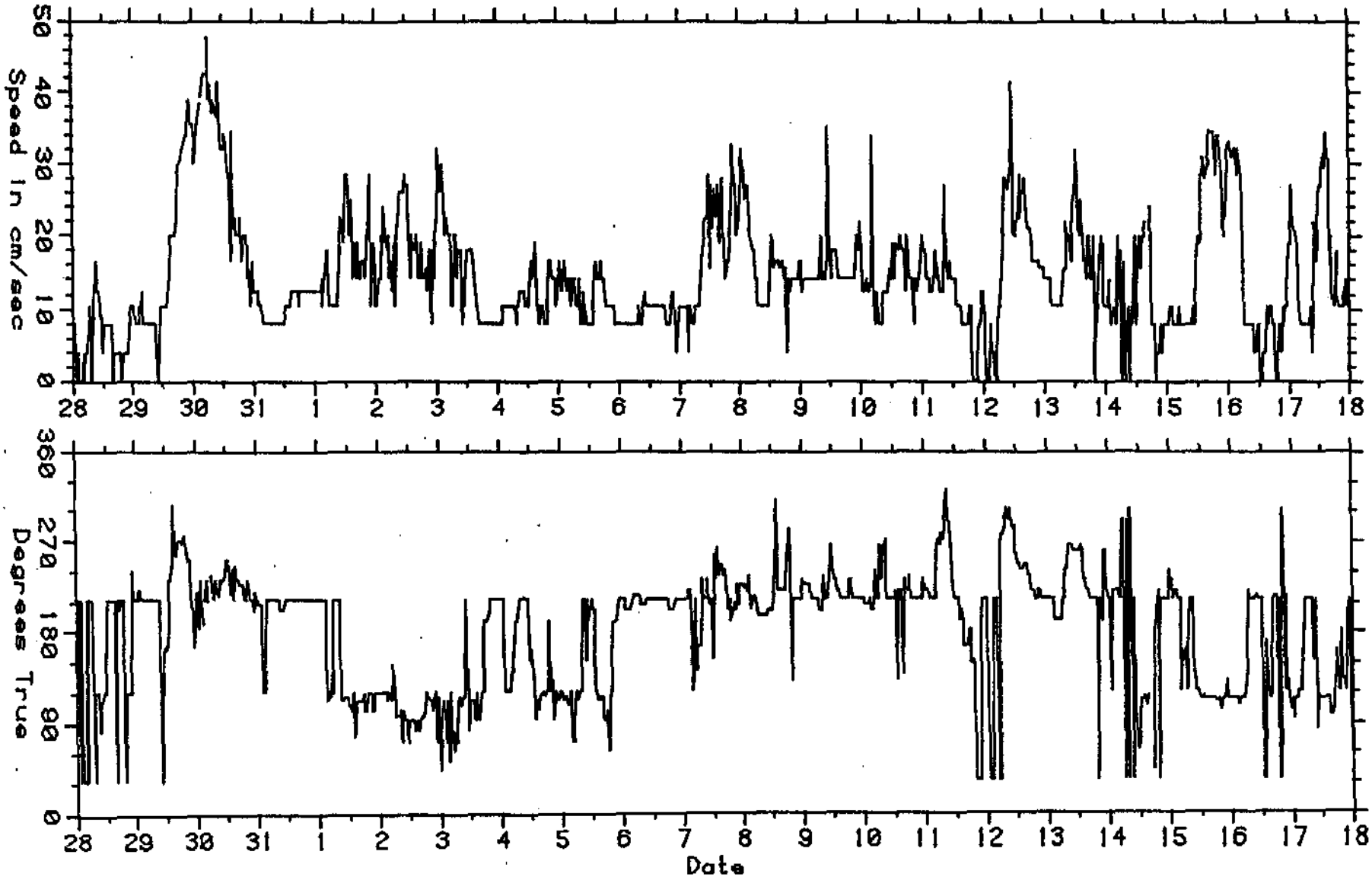


FIGURE D16. SPEED AND DIRECTION DATA
POINT THOMSON STATION D
0010, 29 JULY TO 2340, 17 AUGUST, 1982

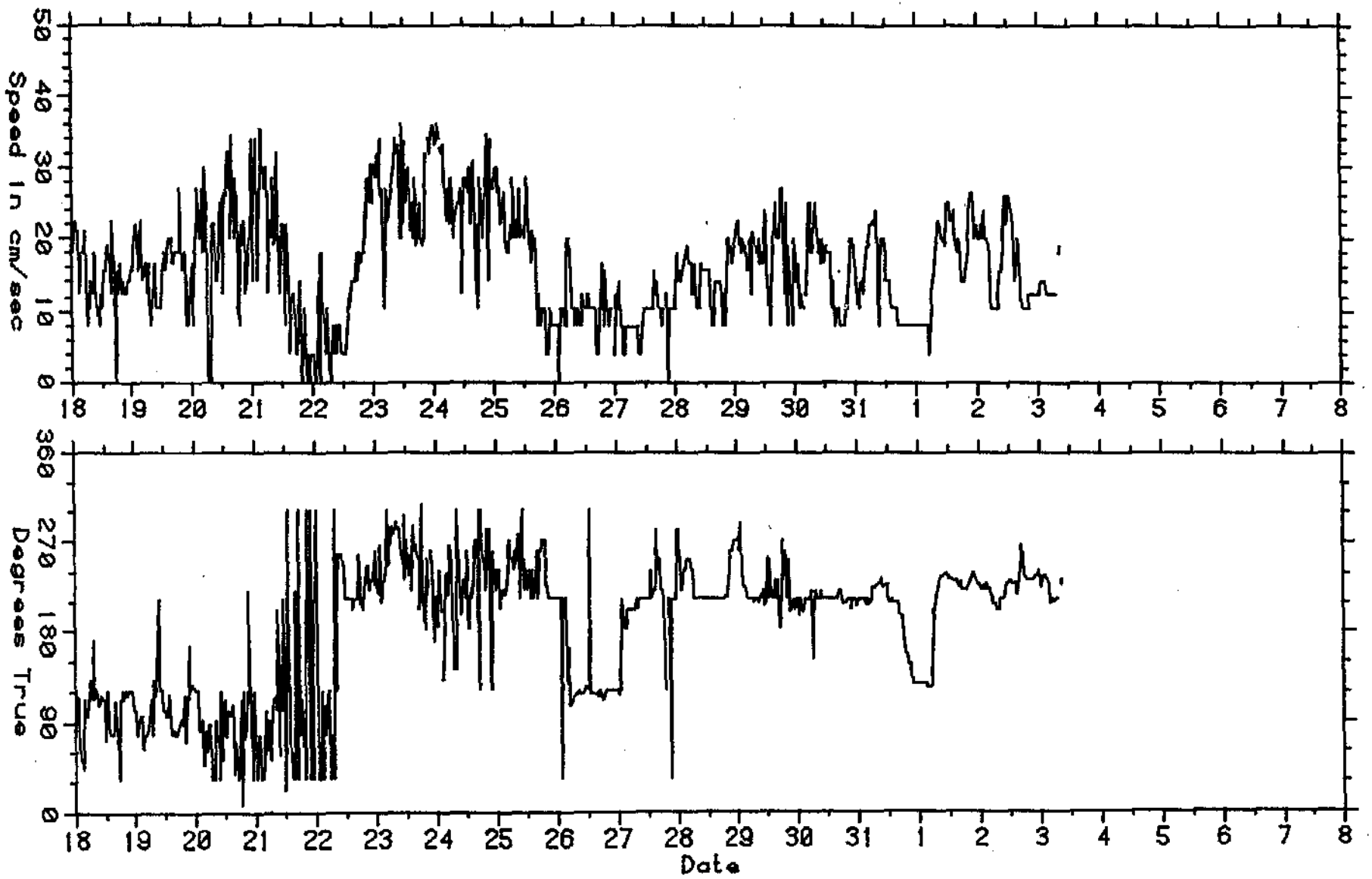


FIGURE D16. SPEED AND DIRECTION DATA
POINT THOMSON STATION D
0010, 18 AUGUST TO 0940, 3 SEPTEMBER, 1982

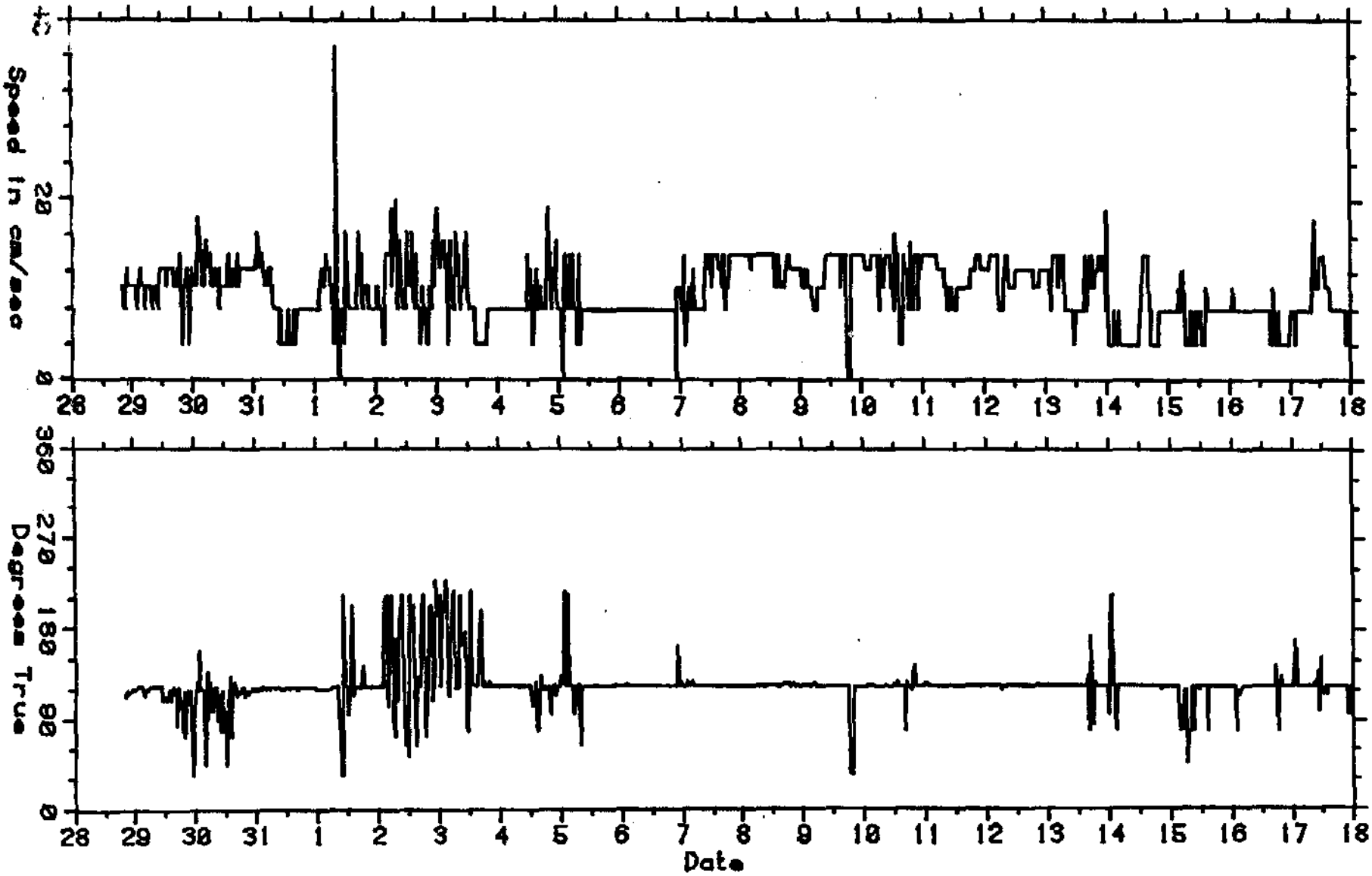


FIGURE D17. SPEED AND DIRECTION DATA
STATION T - SOUTH OF FLAXMAN ISLAND (7' DEPTH)
2020 28 JULY - 2350 17 AUG 1982

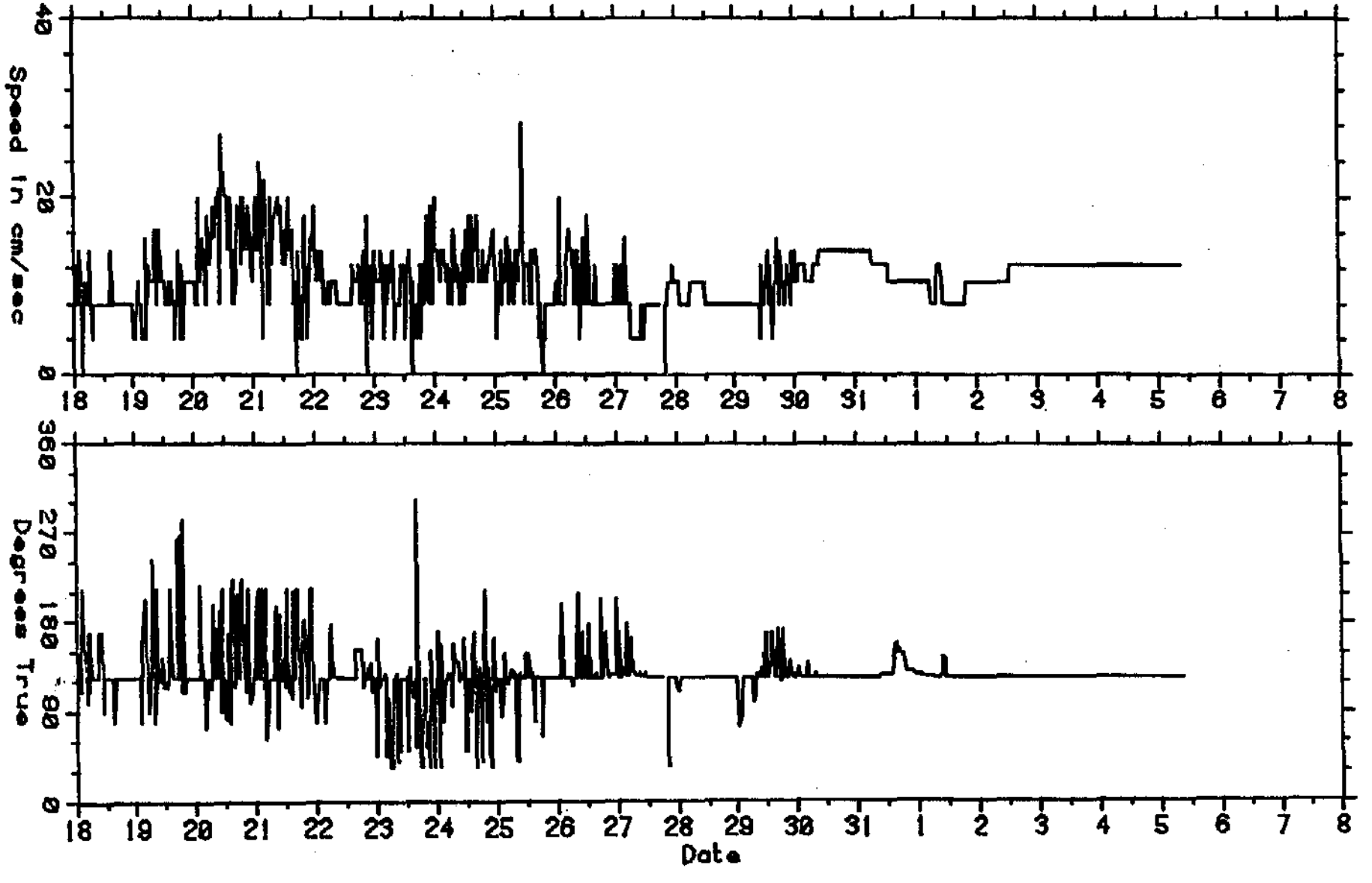


FIGURE D17. SPEED AND DIRECTION DATA
STATION T - SOUTH OF FLAXMAN ISLAND (7' DEPTH)
0020 18 AUG - 0950 5 SEPT 1982

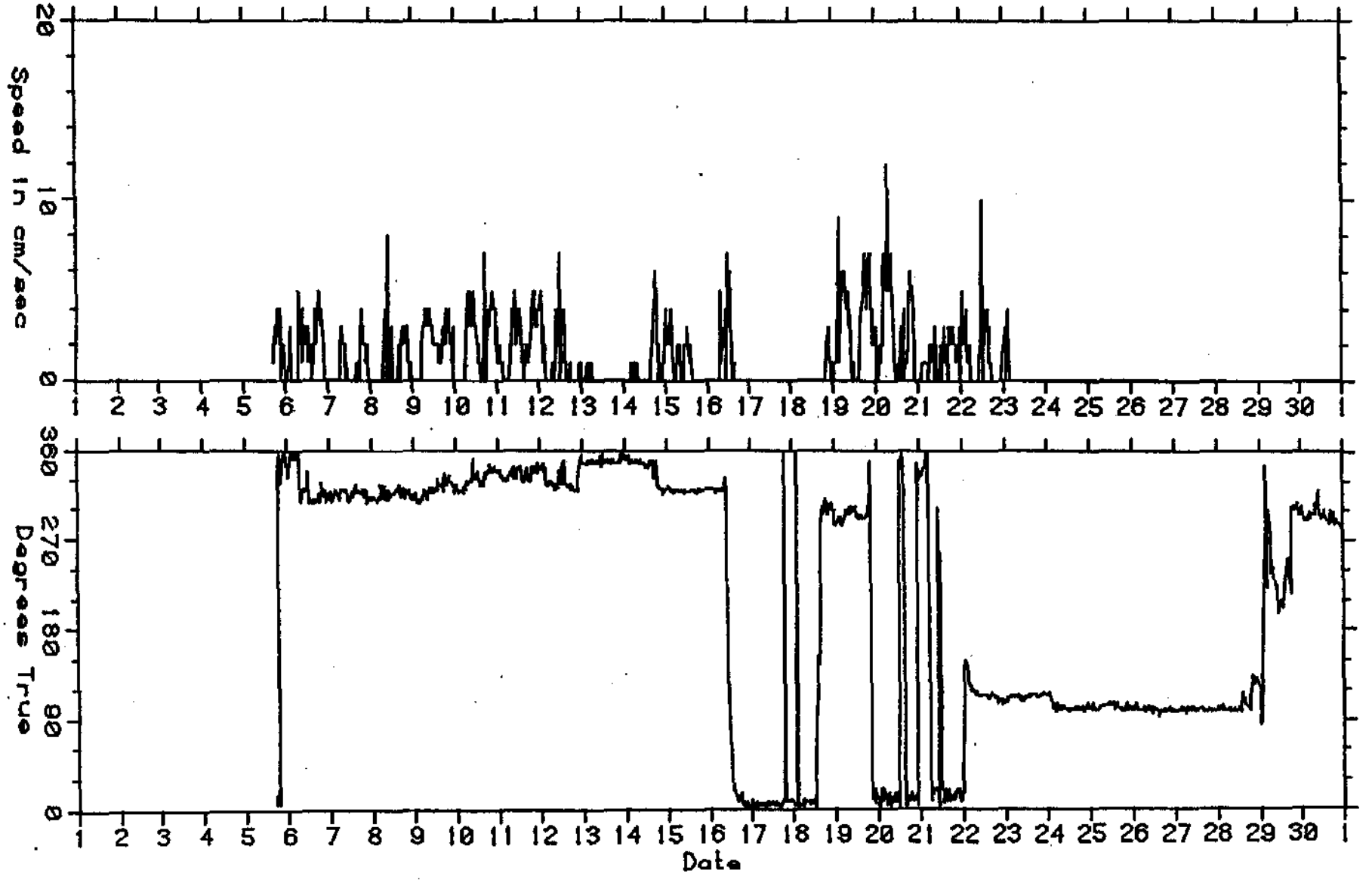


FIGURE D18. SPEED AND DIRECTION DATA
POINT THOMSON STATION SP
1600, 5 SEPTEMBER TO 2300, 30 SEPTEMBER, 1982

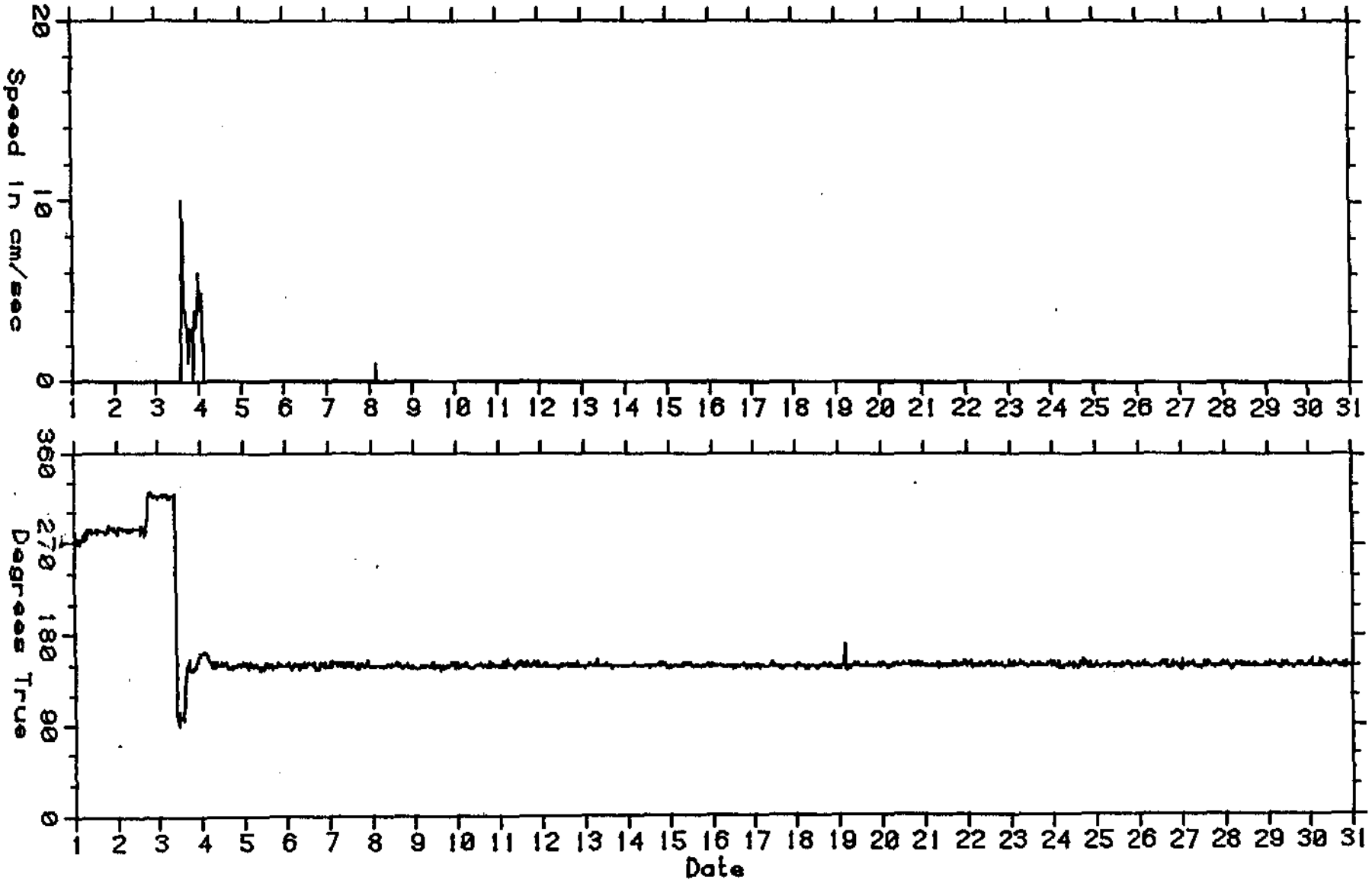


FIGURE D18. SPEED AND DIRECTION DATA
POINT THOMSON STATION SP CURRENNT
0000, 1 OCTOBER TO 2300, 30 OCTOBER, 1982

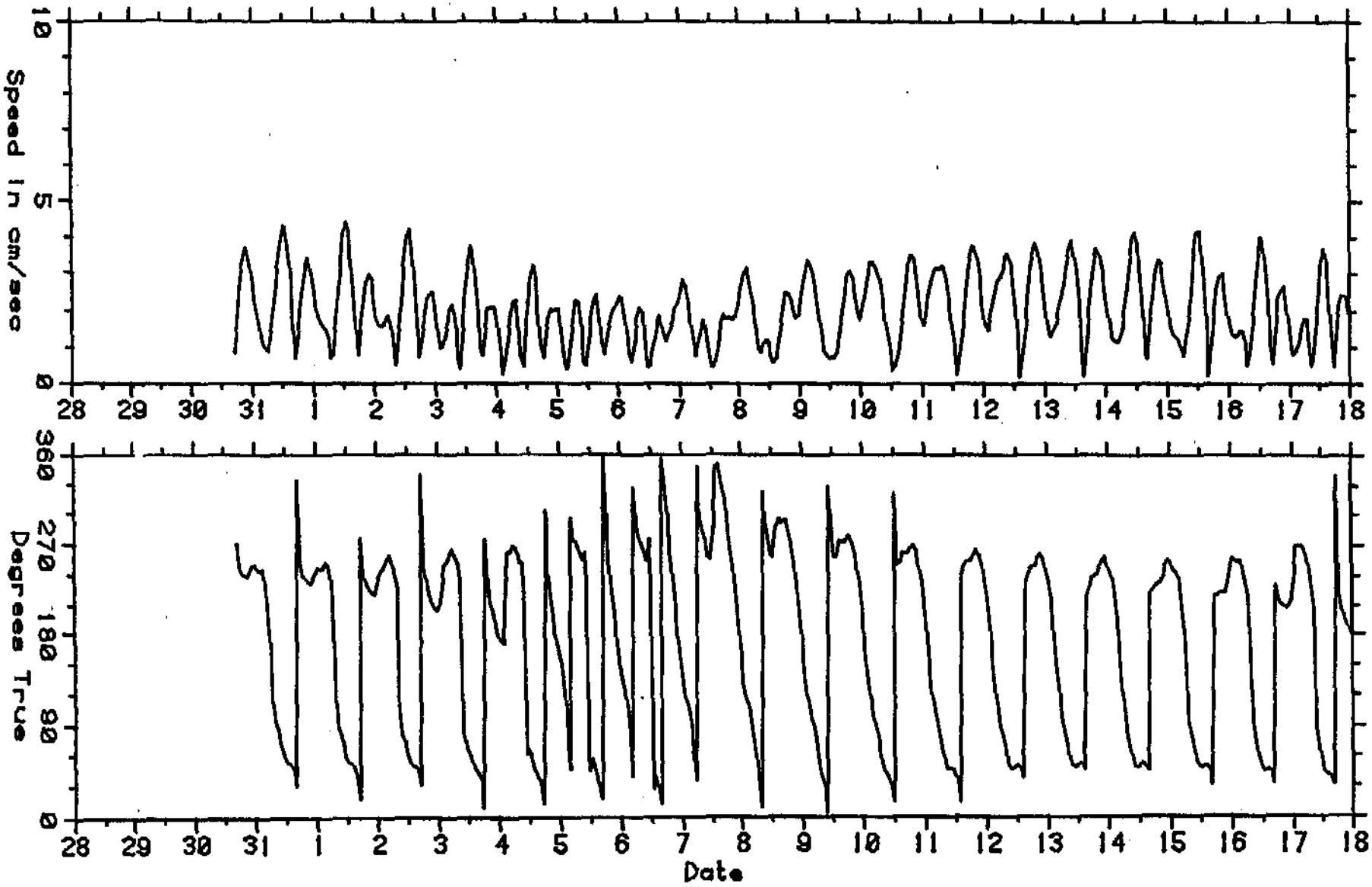


FIGURE D19 SPEED AND DIRECTION DATA
STATION E - LEAST-SQUARES TIDAL CURRENT - ENDECO #232
1637, 30 JULY TO 2337, 17 AUGUST, 1982

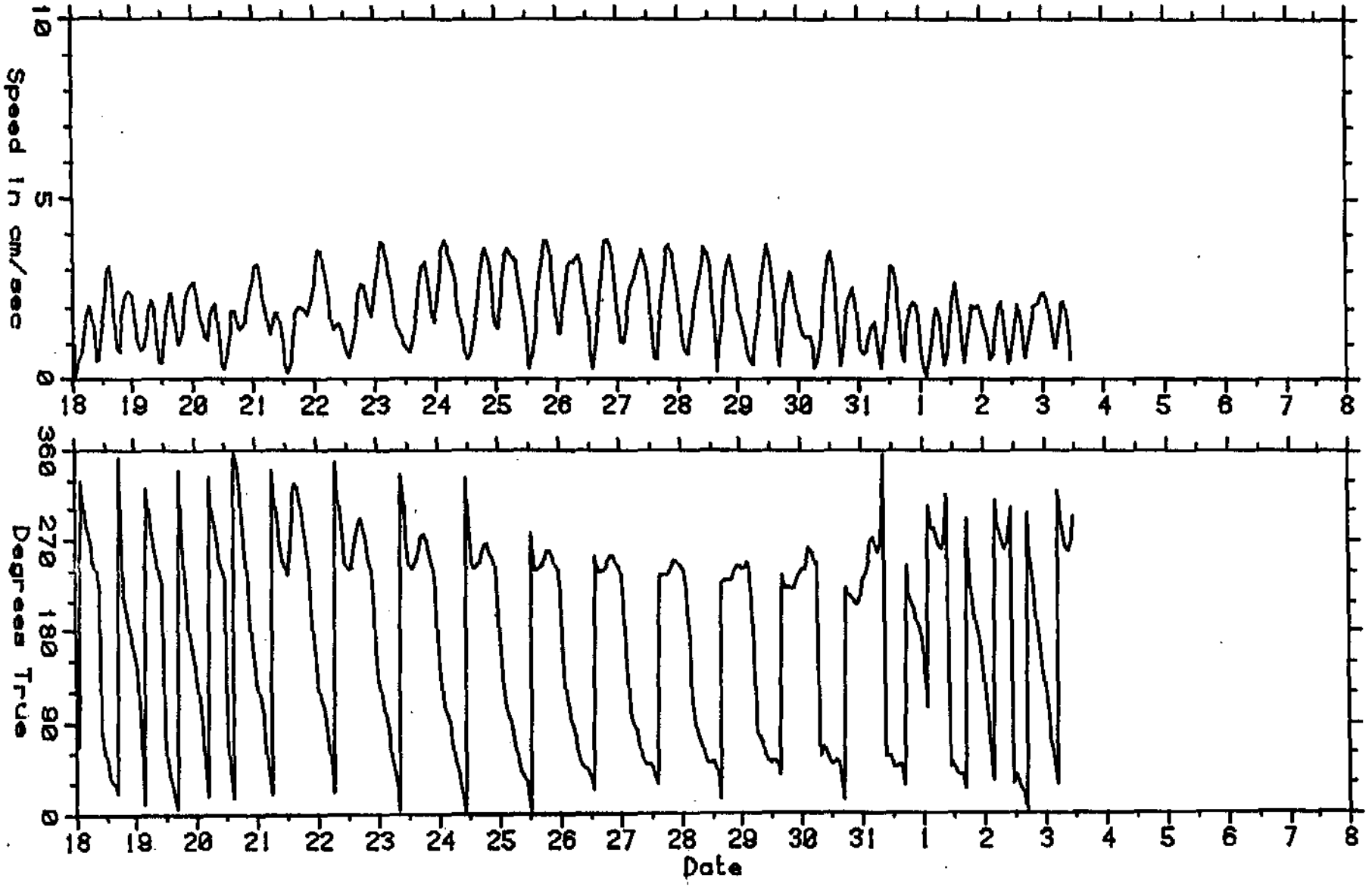


FIGURE D19. SPEED AND DIRECTION DATA
STATION E - LEAST-SQUARES TIDAL CURRENT - ENDECO # 232
0037, 18 AUGUST TO 1137, 3 SEPTEMBER, 1982

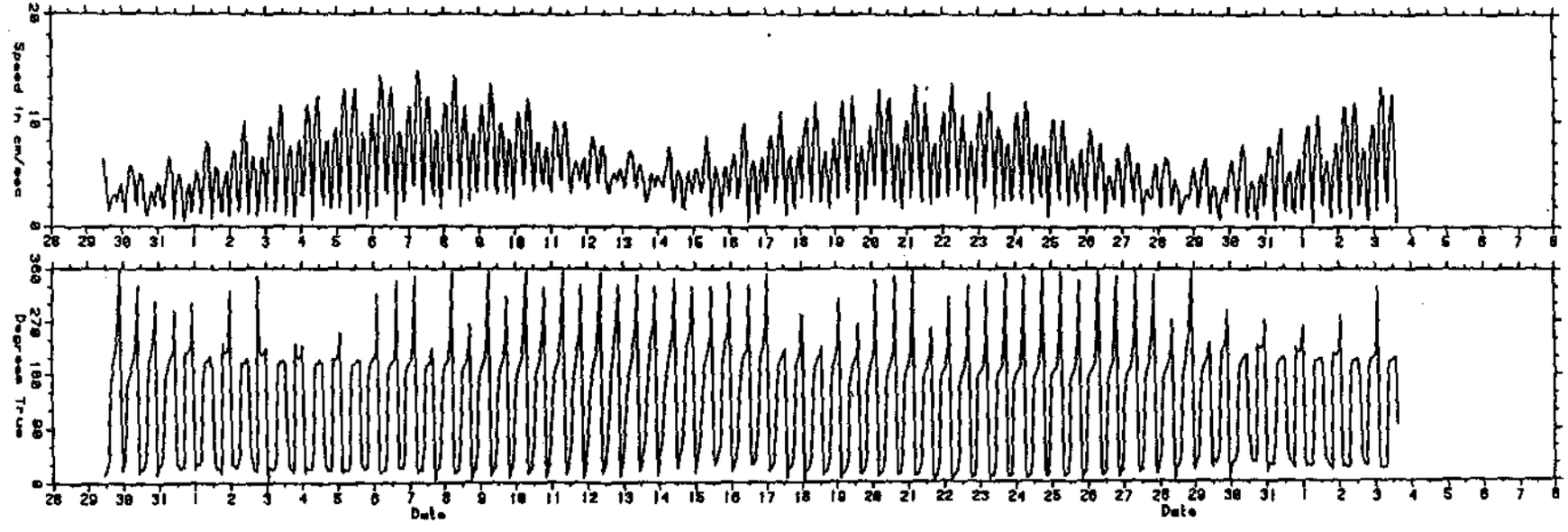


Figure D20. Speed and Direction Data Station 0, Least-Squares Tidal Current, Endeco #049, 1053, 29 July to 1453, 3 September 1982.

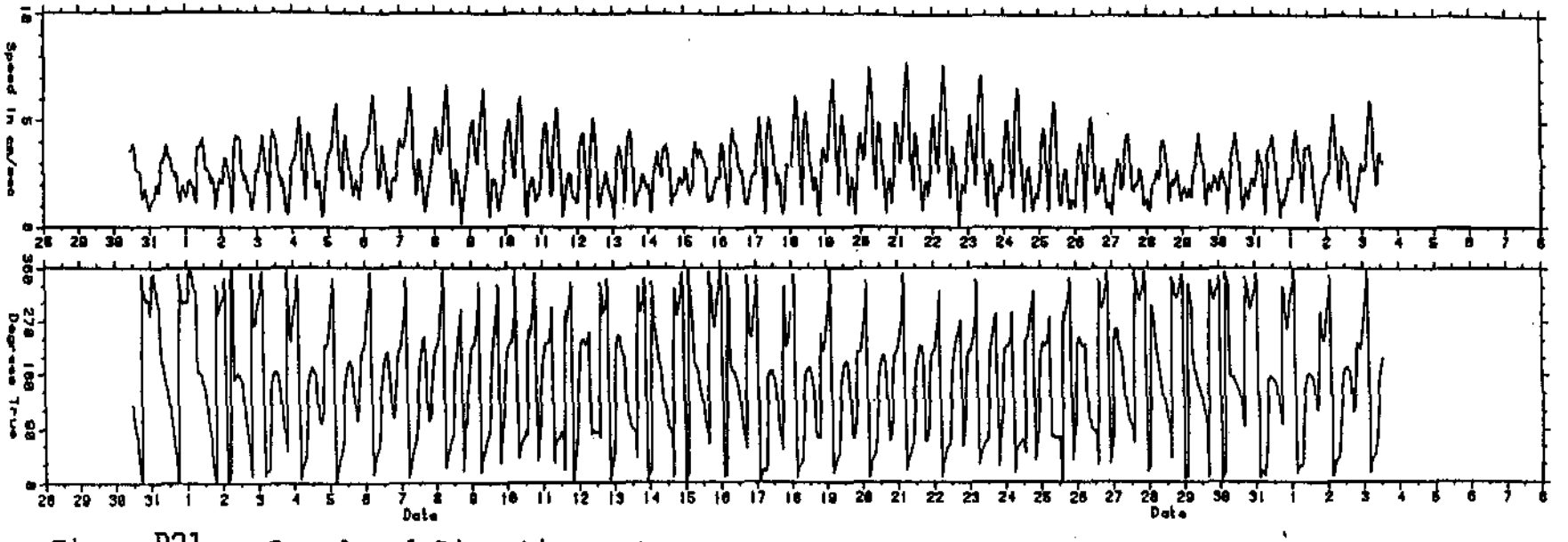


Figure D21. Speed and Direction Data Station P, Least-Squares Tidal Current, Endeco #048, 1100, 30 July to 1300, 3 September 1982.

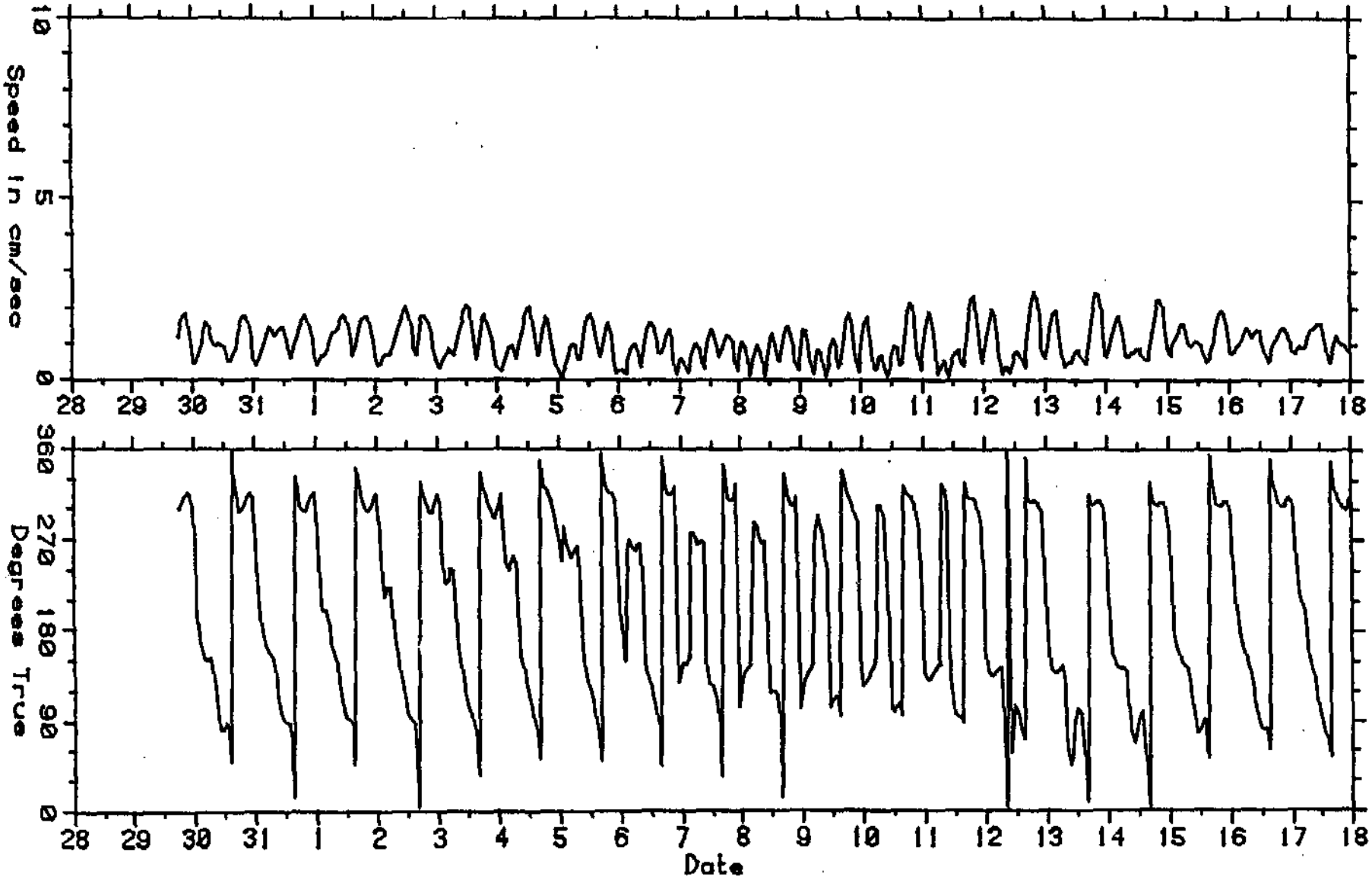


FIGURE D22 SPEED AND DIRECTION DATA
STATION S (TOP) - LEAST-SQUARES TIDAL CURRENT - ENDECO #175
1807, 29 JULY TO 2307, 17 AUGUST, 1982

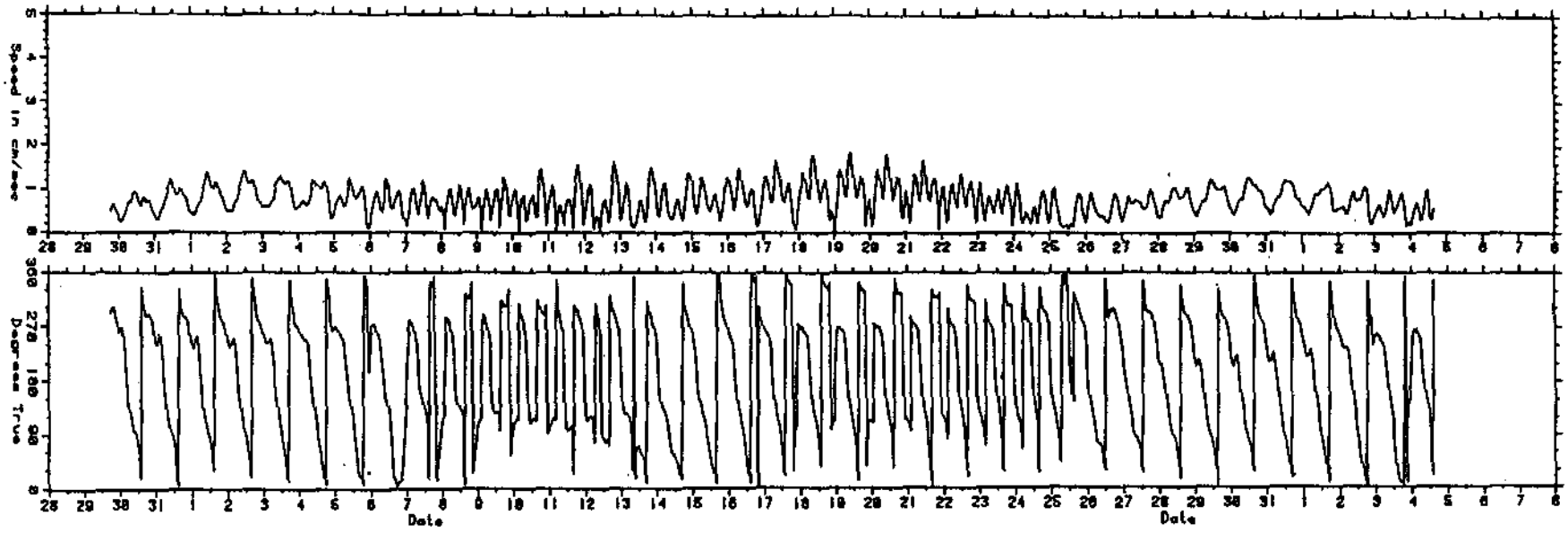


Figure D23. Speed and Direction Data Station S (Bottom); Least Squares Tidal Currents, 1757, 29 July to 1457, 4 September 1982.

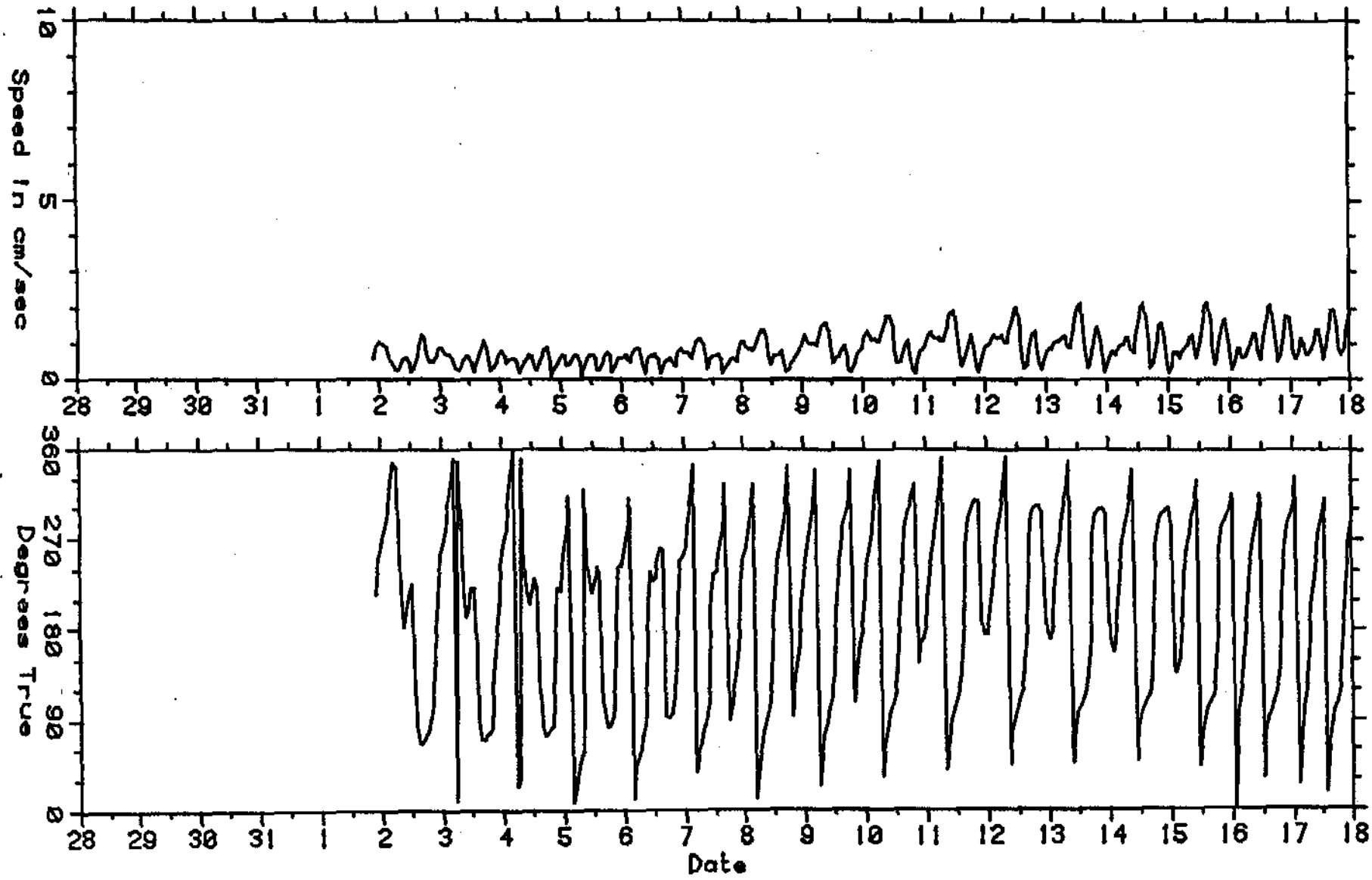


FIGURE D24 SPEED AND DIRECTION DATA
STATION Q - LEAST-SQUARES TIDAL CURRENT - ENDECO #047
2143, 1 AUGUST TO 2343, 17 AUGUST, 1982

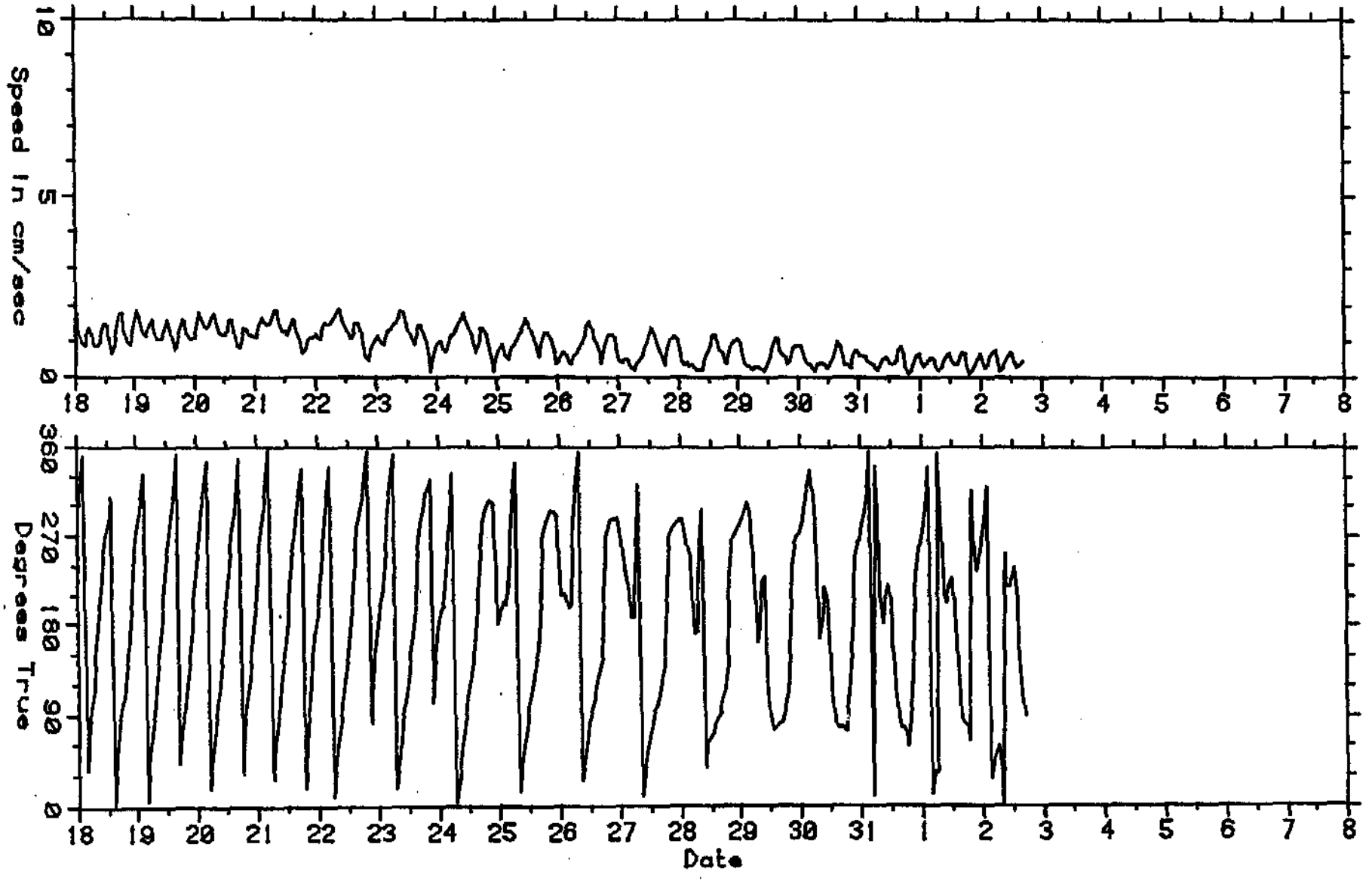


FIGURE D24. SPEED AND DIRECTION DATA
STATION Q - LEAST-SQUARES TIDAL CURRENT - ENDECO #047
0043, 18 AUGUST TO 1643, 2 SEPTEMBER, 1982

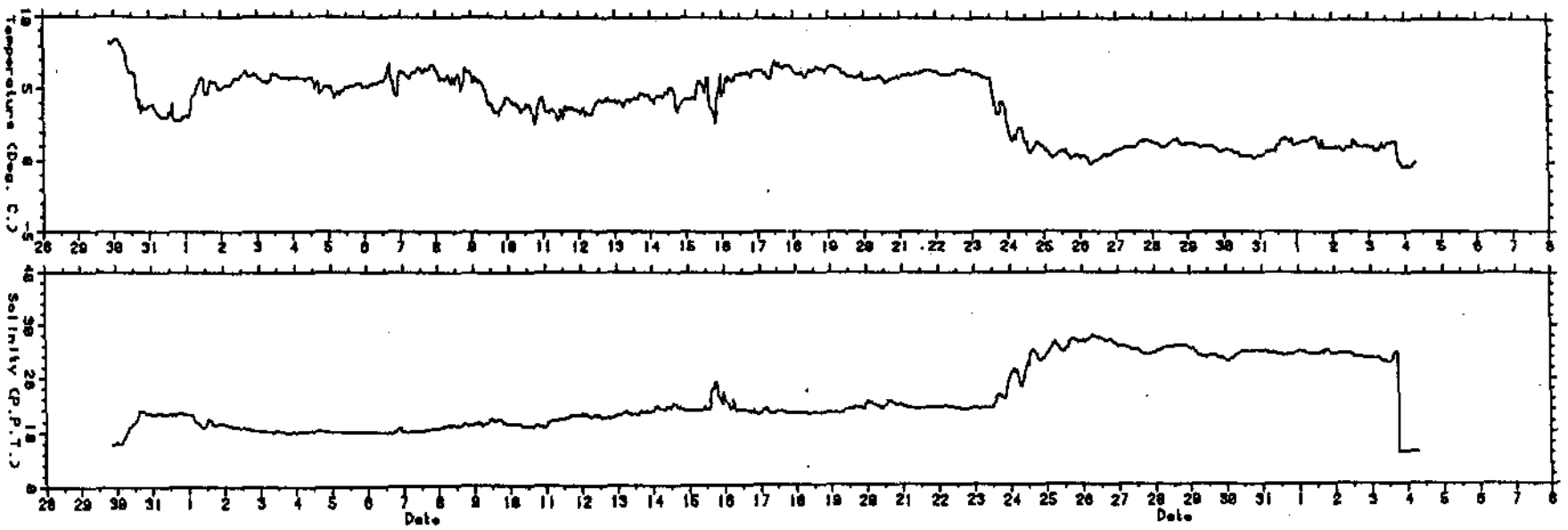


Figure D25. Temperature and Salinity Data Station E; 1/2 Hr. Averages, Endeco #232, 2122, 29 July to 0722, 4 September 1982.

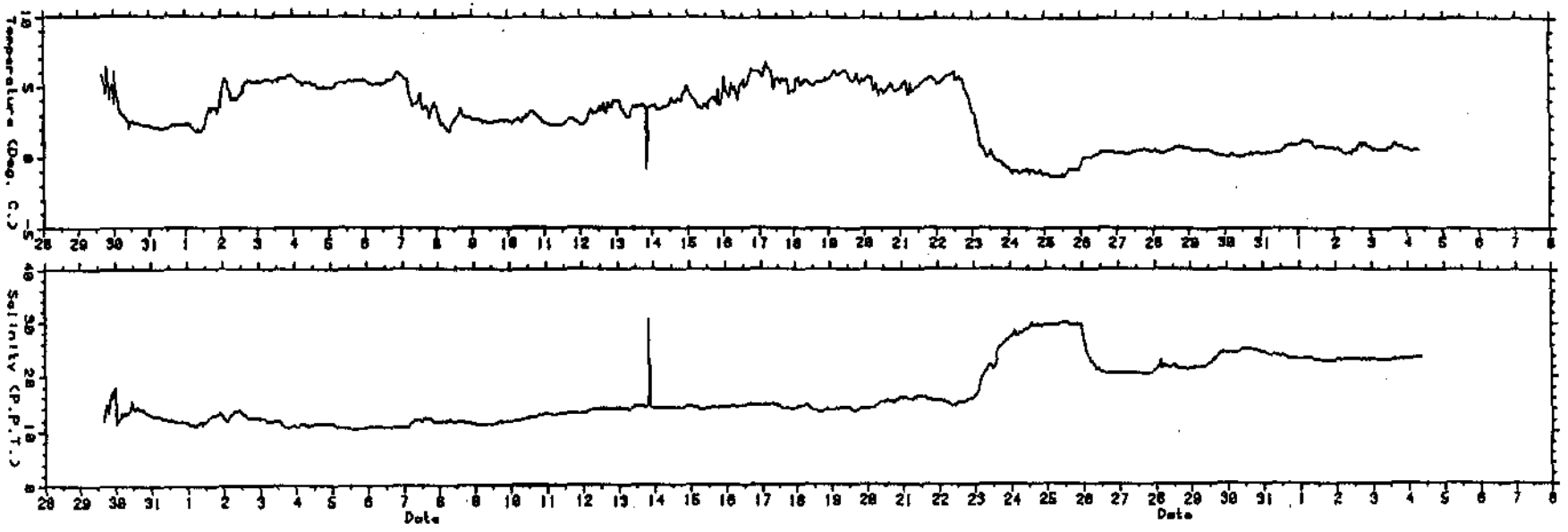


Figure D27. Temperature and Salinity Data Station P; 1/2 Hr. Averages, Endeco #048, 1545, 29 July to 0845, 4 September 1982.

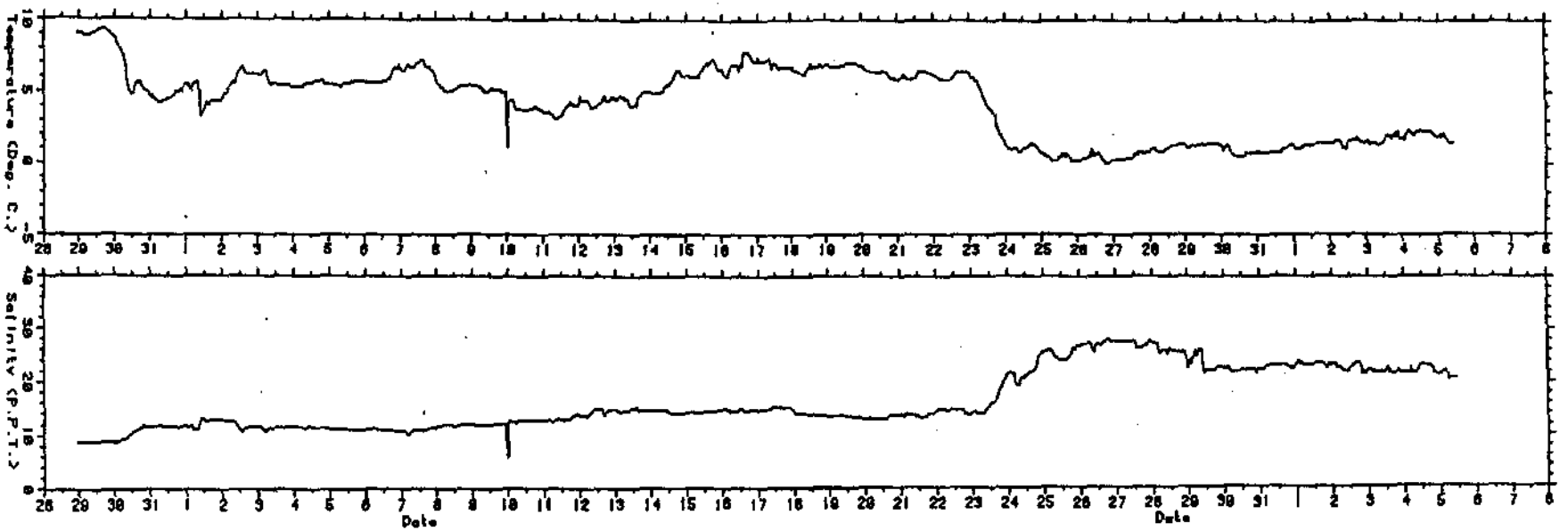


Figure D28. Temperature and Salinity Data Station S (Top); 1/2 Hr. Averages, Endeco #175, 2252, 28 July to 1022, 5 September 1982.

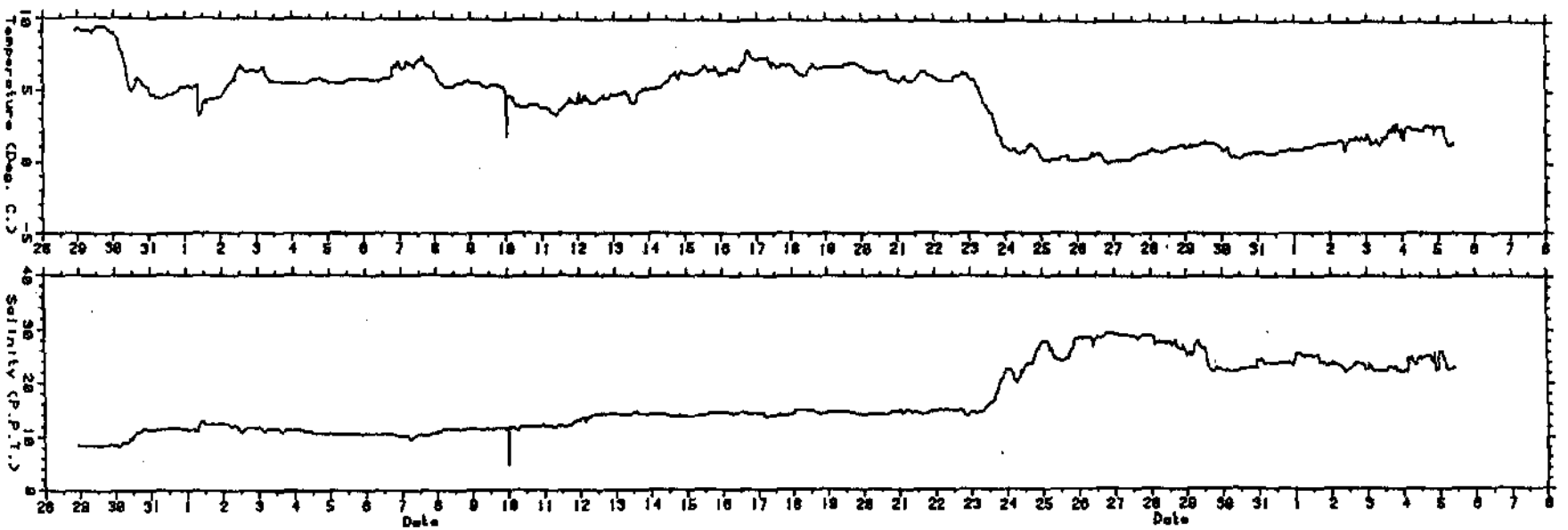


Figure D29. Temperature and Salinity Data Station S (Bottom); 1/2 Hr. Averages, Endeco #052, 2242, 28 July to 1012, 5 September 1982.

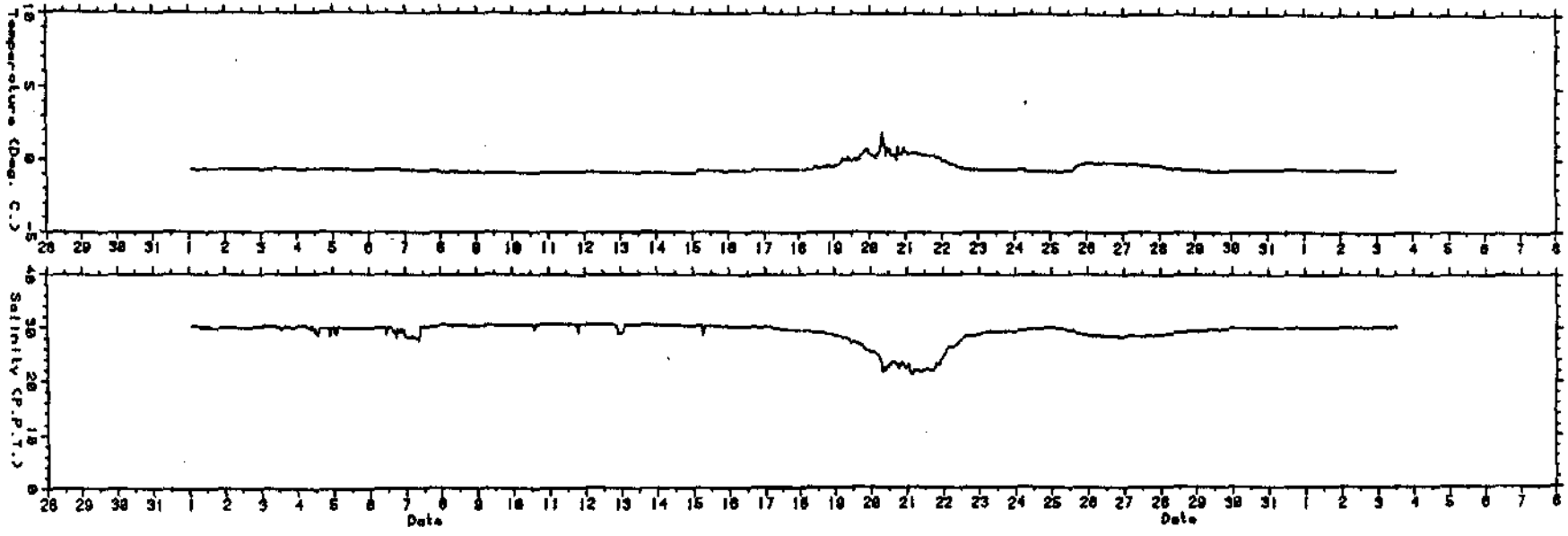


Figure D30. Temperature and Salinity Data Station Q; 1/2 Hr. Averages, Endeco #047, 0228, 1 August to 1228, 3 September, 1982.

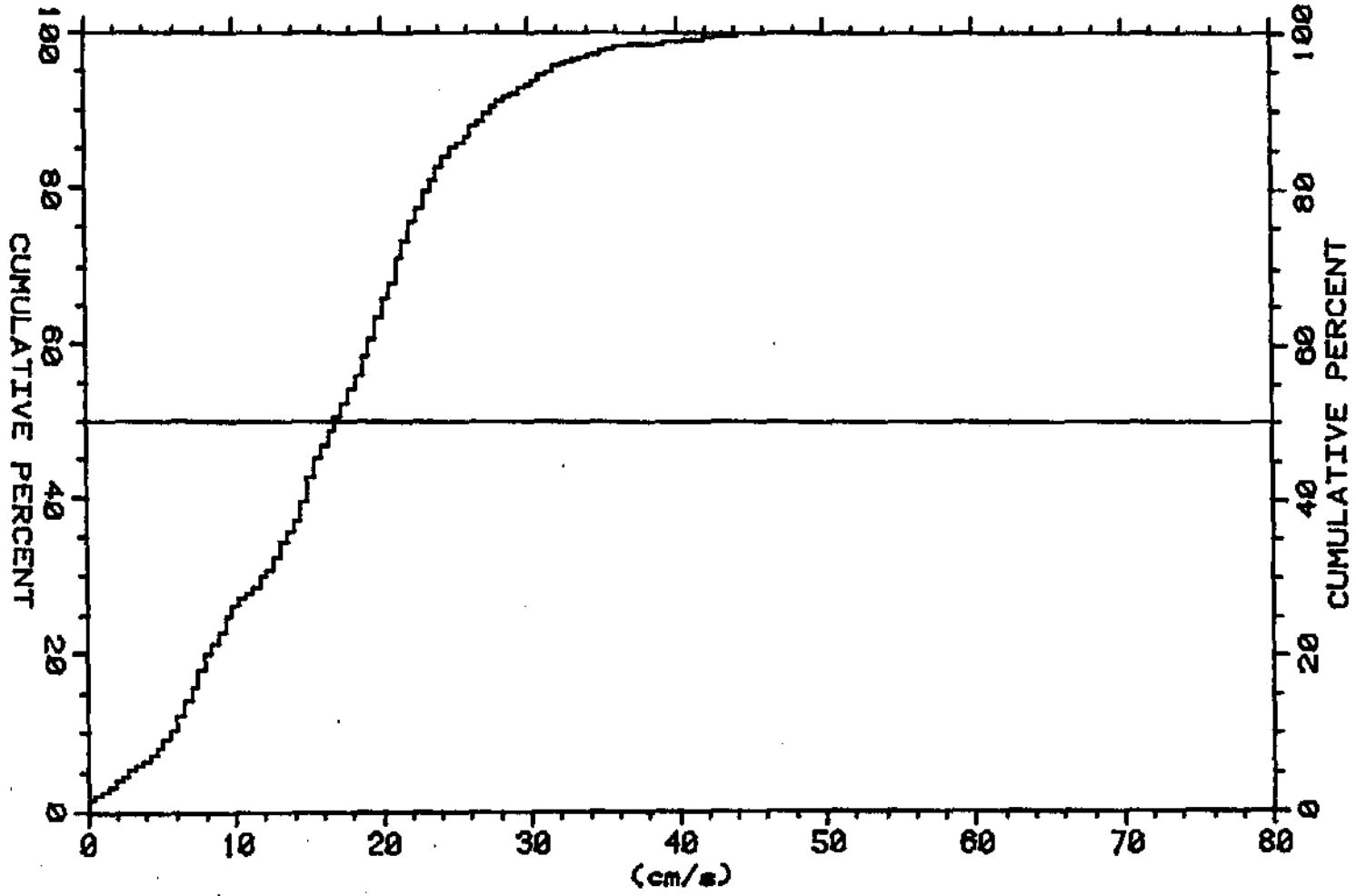


FIGURE D31 CUMULATIVE PROBABILITY PLOT
1/2 HR. AVERAGE CURRENT SPEED
STATION E - ENDECO #232
2122, 29 JULY TO 0722, 4 SEPTEMBER, 1982
1749 DATA POINTS

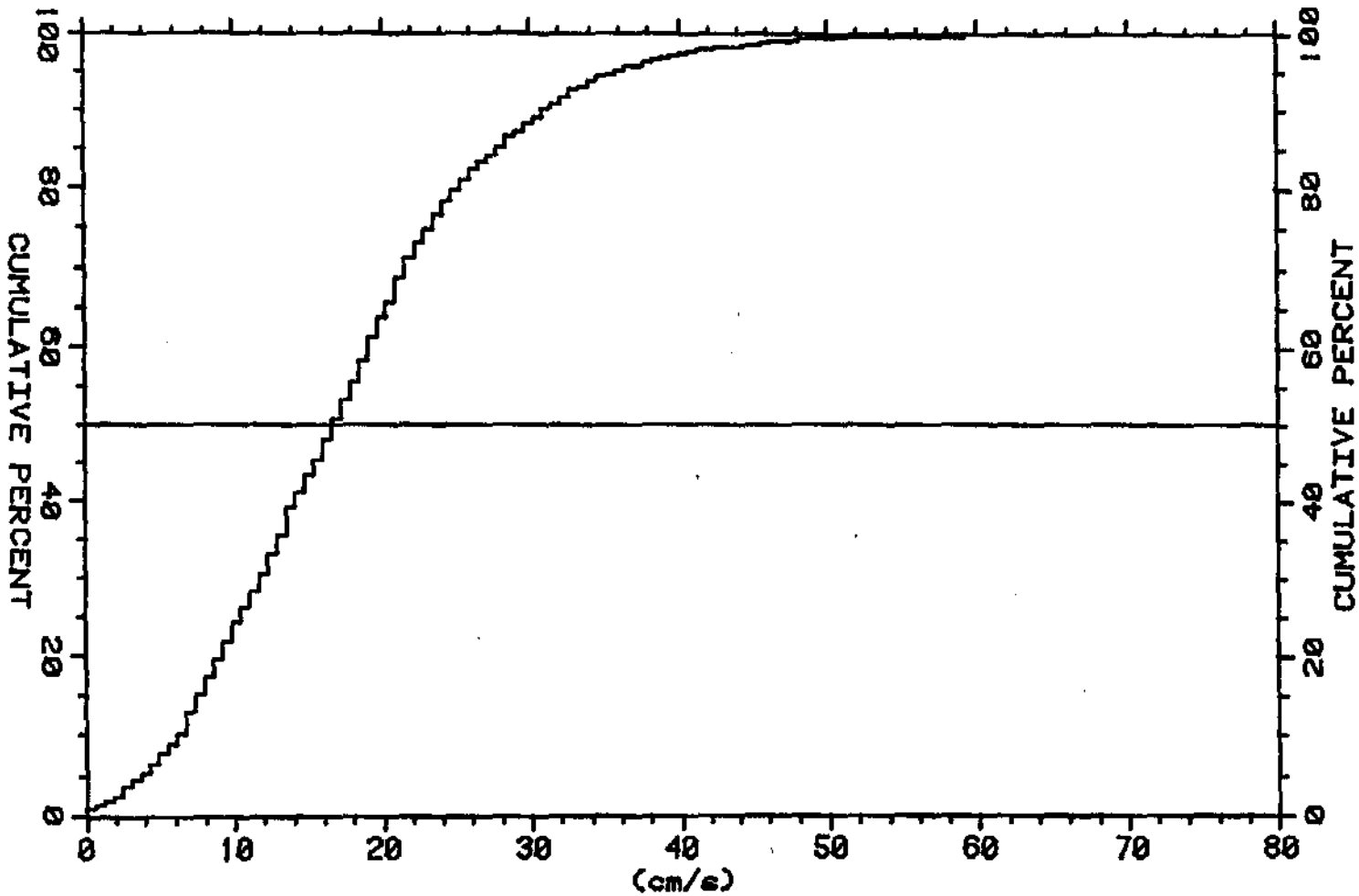


FIGURE D32. CUMULATIVE PROBABILITY PLOT
1/2 HR. AVERAGE CURRENT SPEED
STATION 0 - 1/2 HR. AVERAGE CURRENT SPEED - ENDECO #049
1538, 28 JULY TO 1008, 4 SEPTEMBER, 1982
1814 DATA POINTS

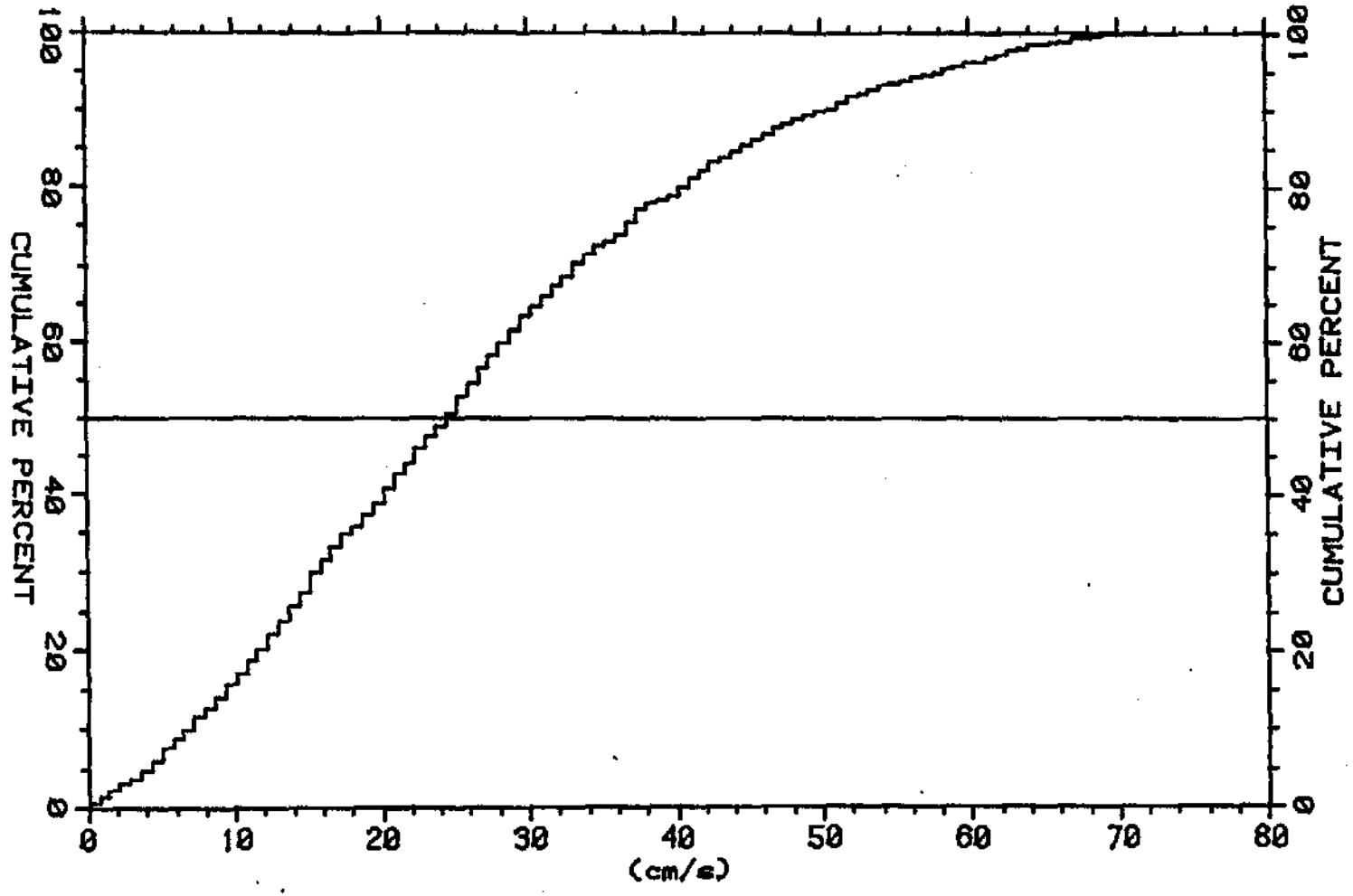


FIGURE D33. CUMULATIVE PROBABILITY PLOT
1/2 HR. AVERAGE CURRENT SPEED
STATION P - ENDECO #048
1545, 29 JULY TO 0845, 4 SEPTEMBER, 1982
1763 DATA POINTS

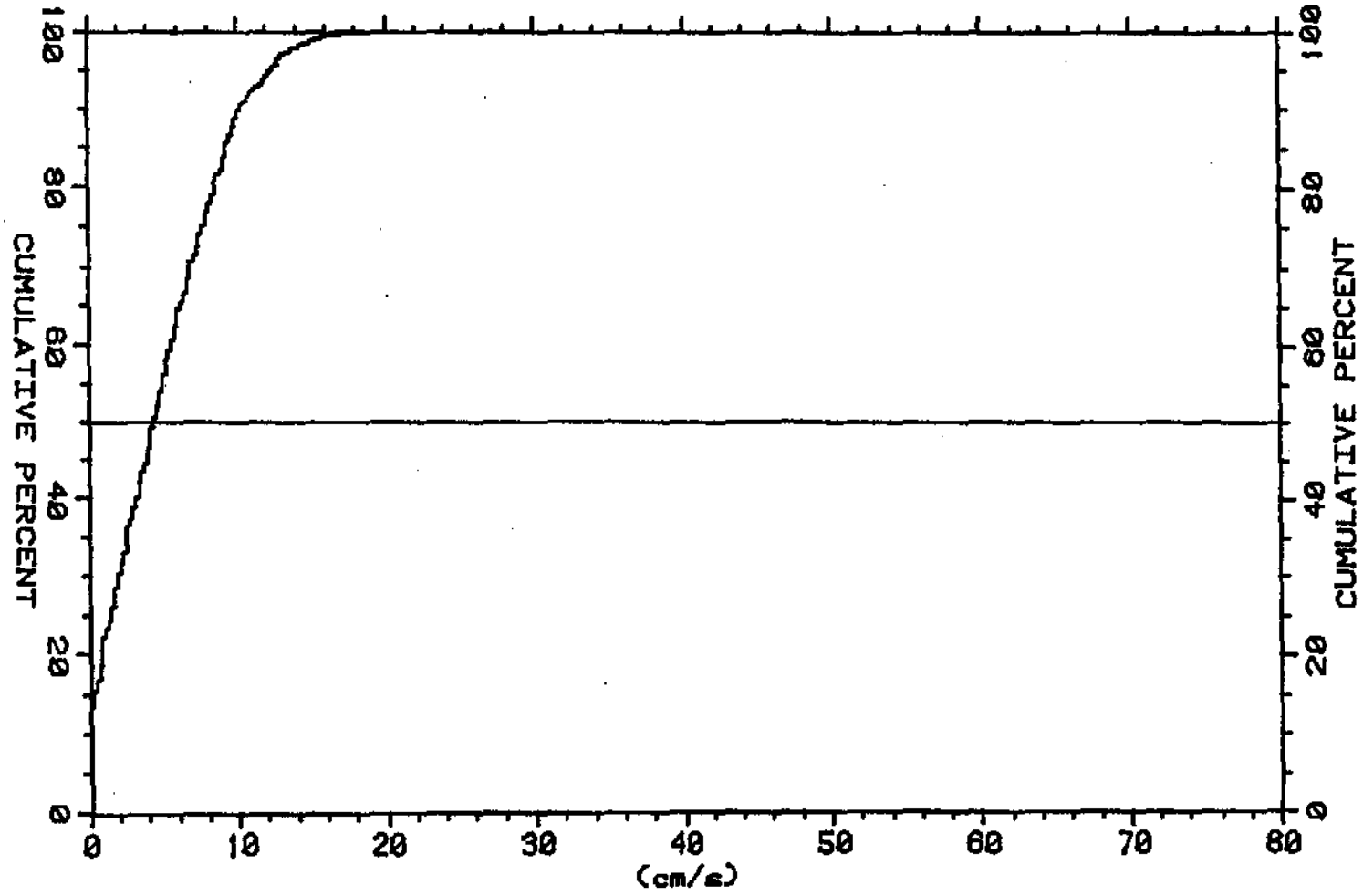


FIGURE D34. CUMULATIVE PROBABILITY PLOT
1/2 HR. AVERAGE CURRENT SPEED
STATION S (TOP) - ENDECO #175
2252, 28 AUGUST TO 1022, 5 SEPTEMBER, 1982
1847 DATA POINTS

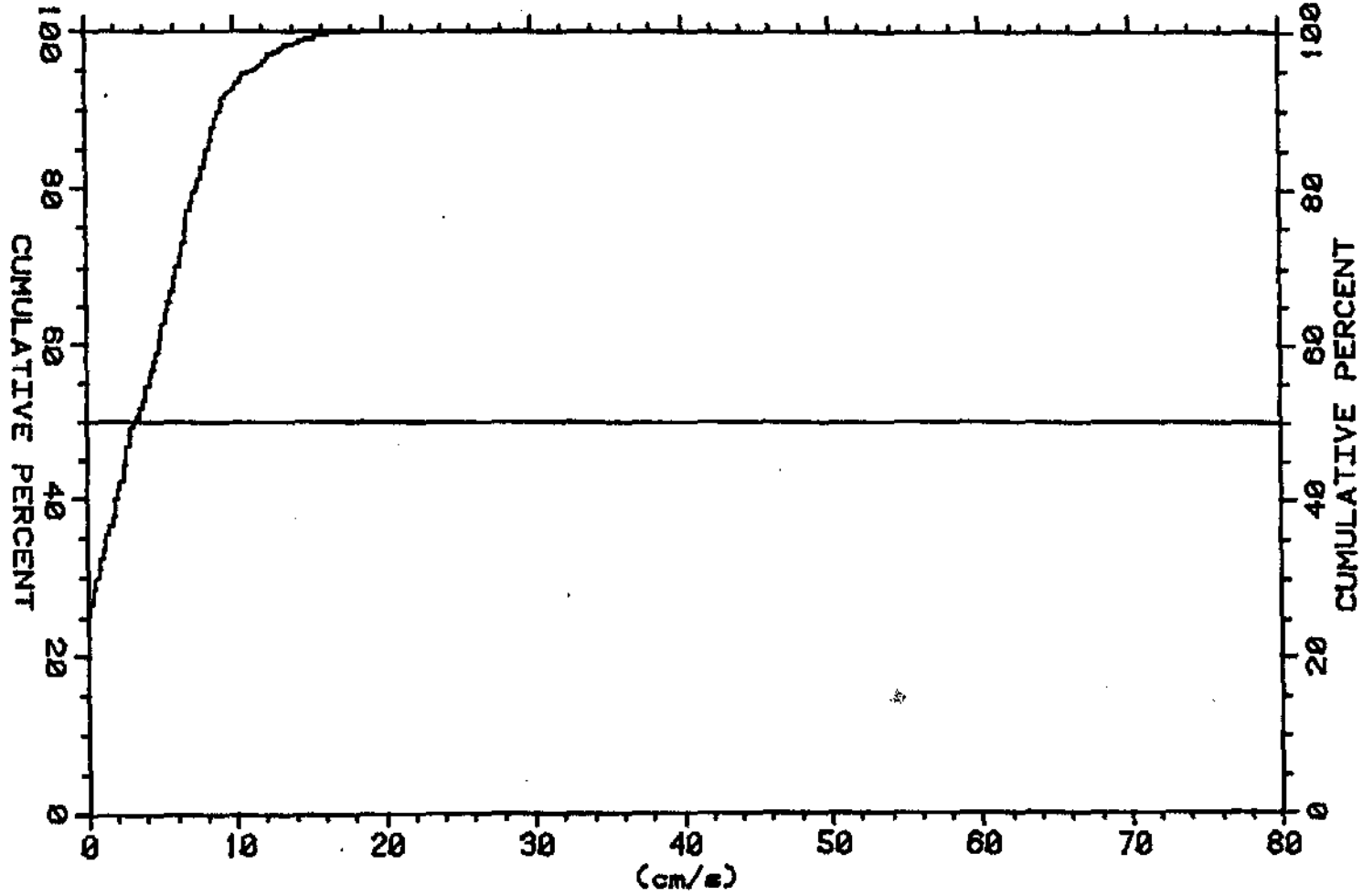


FIGURE D35. CUMULATIVE PROBABILITY PLOT
1/2 HR. AVERAGE CURRENT SPEED
STATION S (BOTTOM) - ENDECO #052
2242, 28 JULY TO 1012, 5 SEPTEMBER, 1982
1848 DATA POINTS

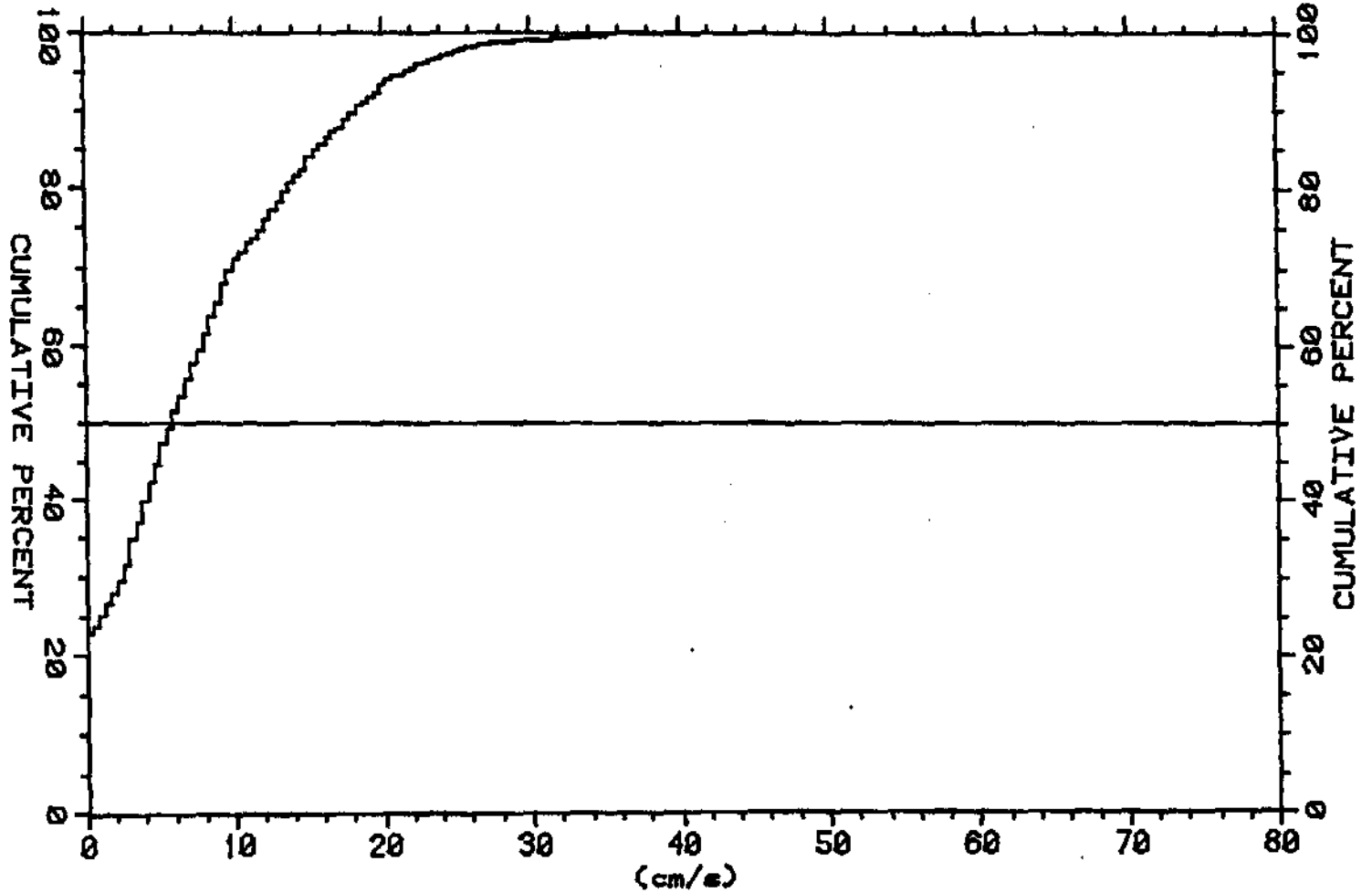


FIGURE D36. CUMULATIVE PROBABILITY PLOT
1/2 HR. AVERAGE CURRENT SPEED
STATION Q - ENDECO #047
0228, 1 AUGUST TO 1228, 3 SEPTEMBER, 1982
1605 DATA POINTS

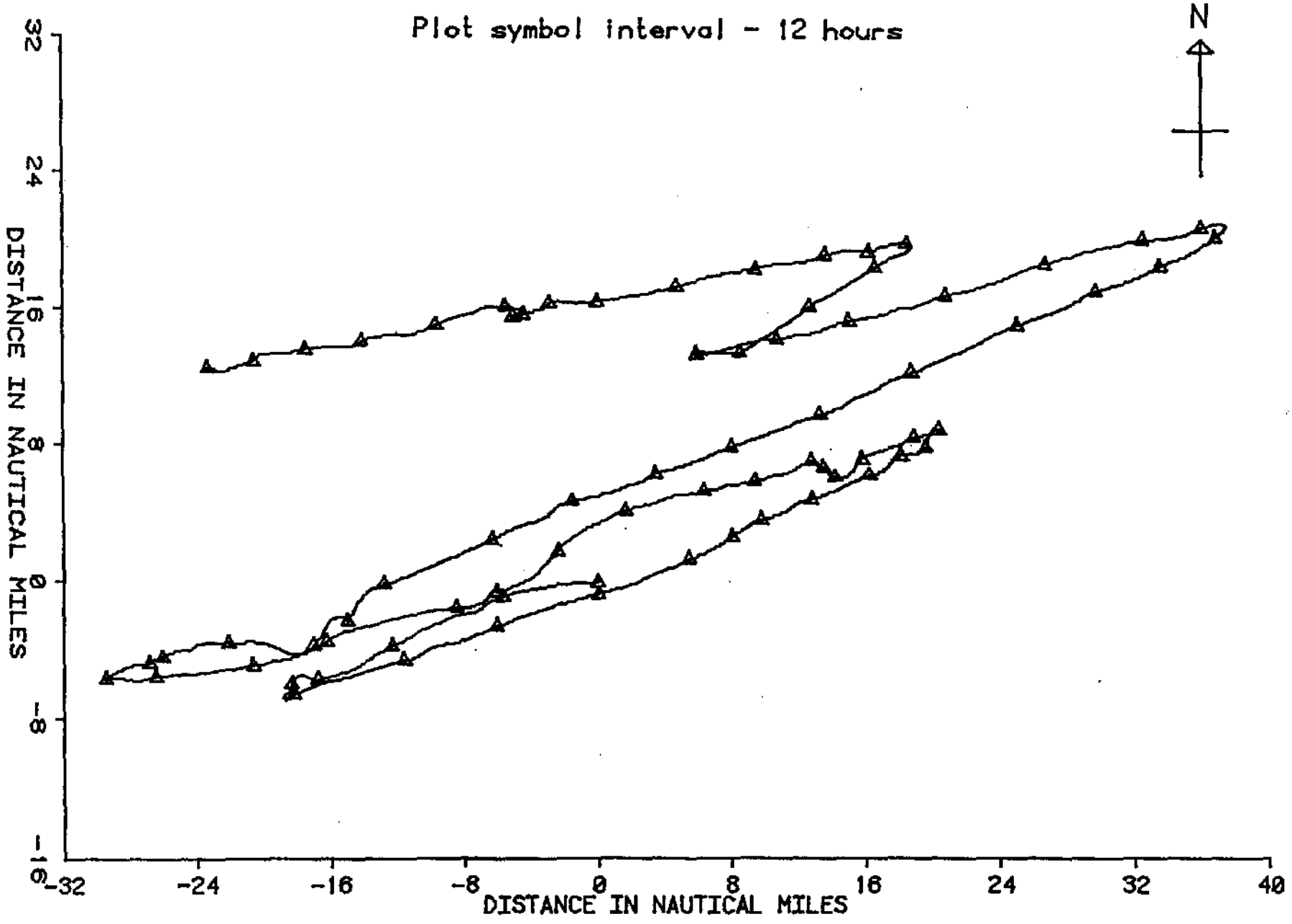


FIGURE D37 PROGRESSIVE VECTOR DIAGRAM
STATION E - 1/2 HR. AVERAGE CURRENT - ENDECO #232
2122, 29 JULY TO 0722, 4 SEPTEMBER, 1982

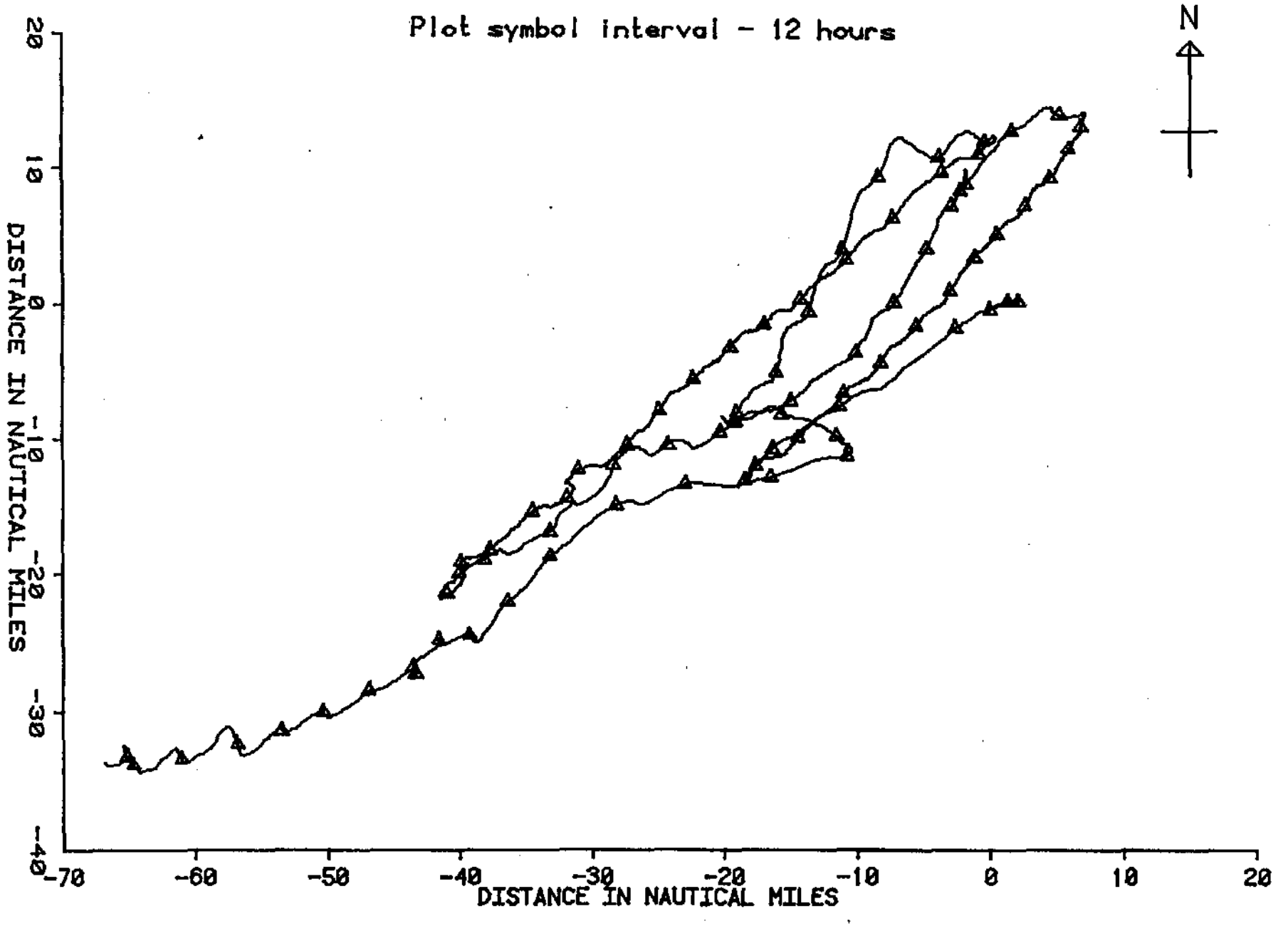


FIGURE D38 PROGRESSIVE VECTOR DIAGRAM
STATION O - 1/2 HR AVERAGE CURRENT- ENDECO #049
1538, 28 JULY TO 1008, 4 SEPTEMBER, 1982

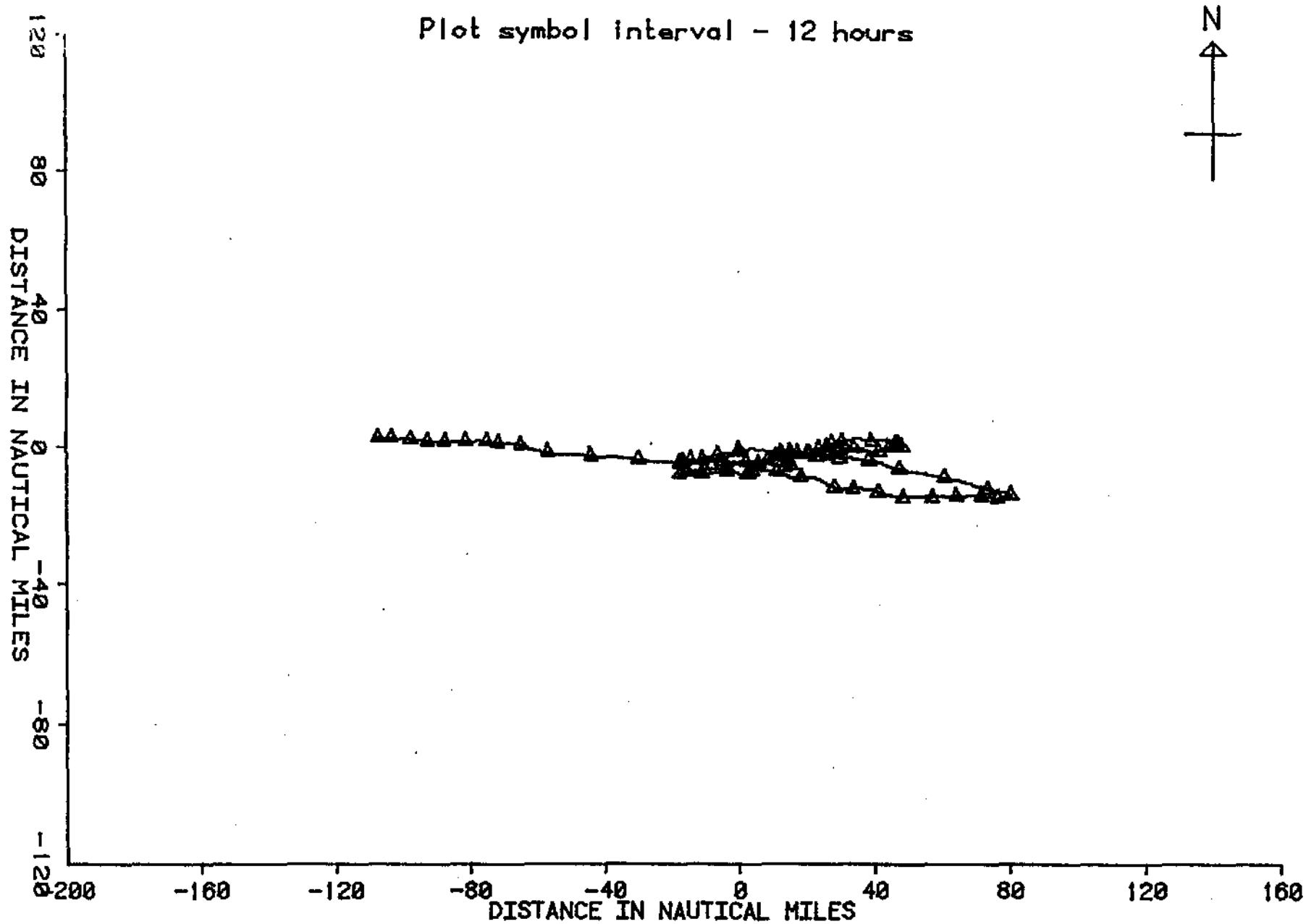


FIGURE D39 PROGRESSIVE VECTOR DIAGRAM
STATION P – 1/2 HR. AVERAGE CURRENT – ENDECO #048
1545, 29 JULY TO 0845, 4 SEPTEMBER, 1982

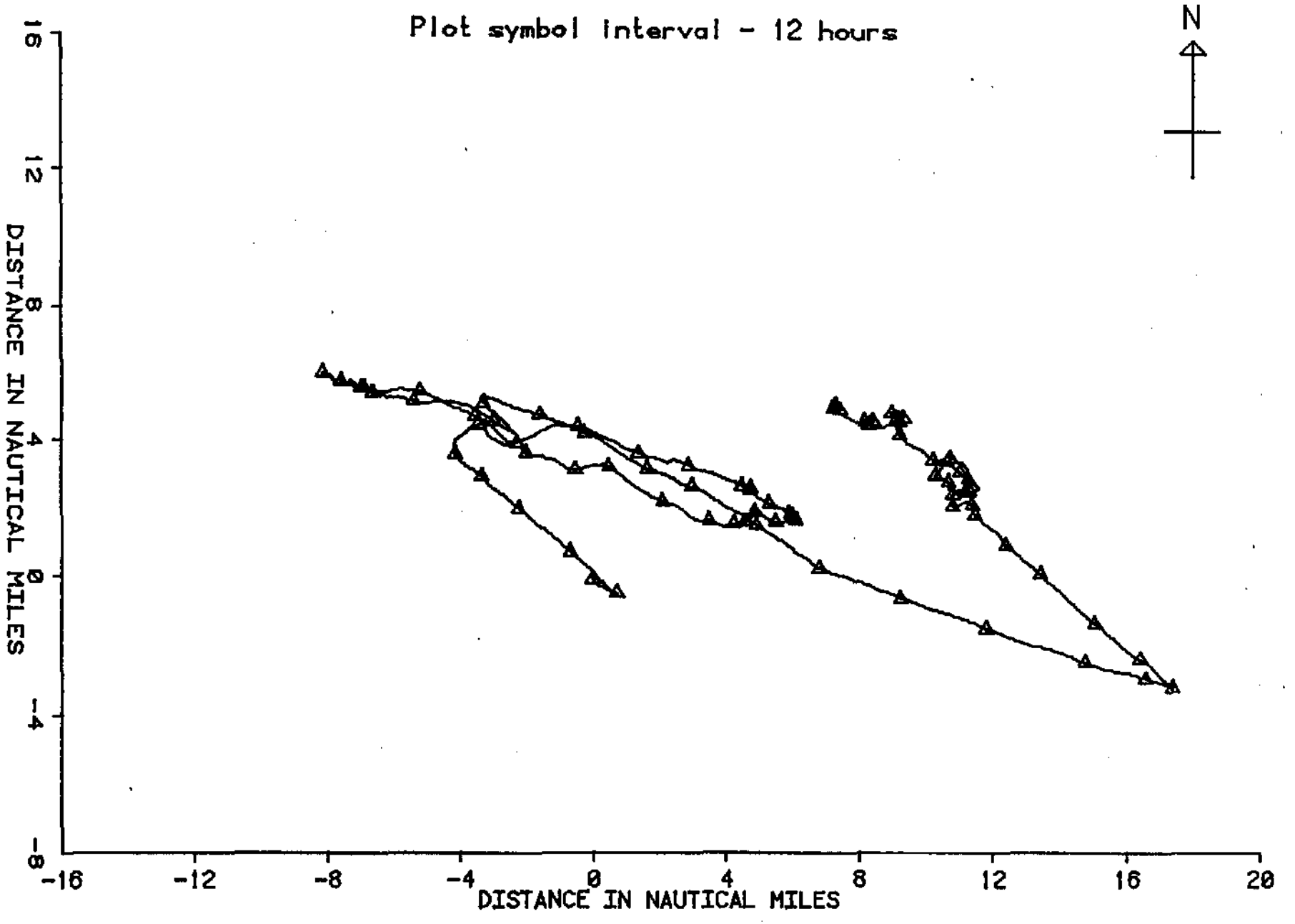


FIGURE D40. PROGRESSIVE VECTOR DIAGRAM
STATION S (TOP) - 1/2 HR. AVERAGE CURRENT - ENDECO #175
2252, 28 JULY TO 1022, 5 SEPTEMBER, 1982

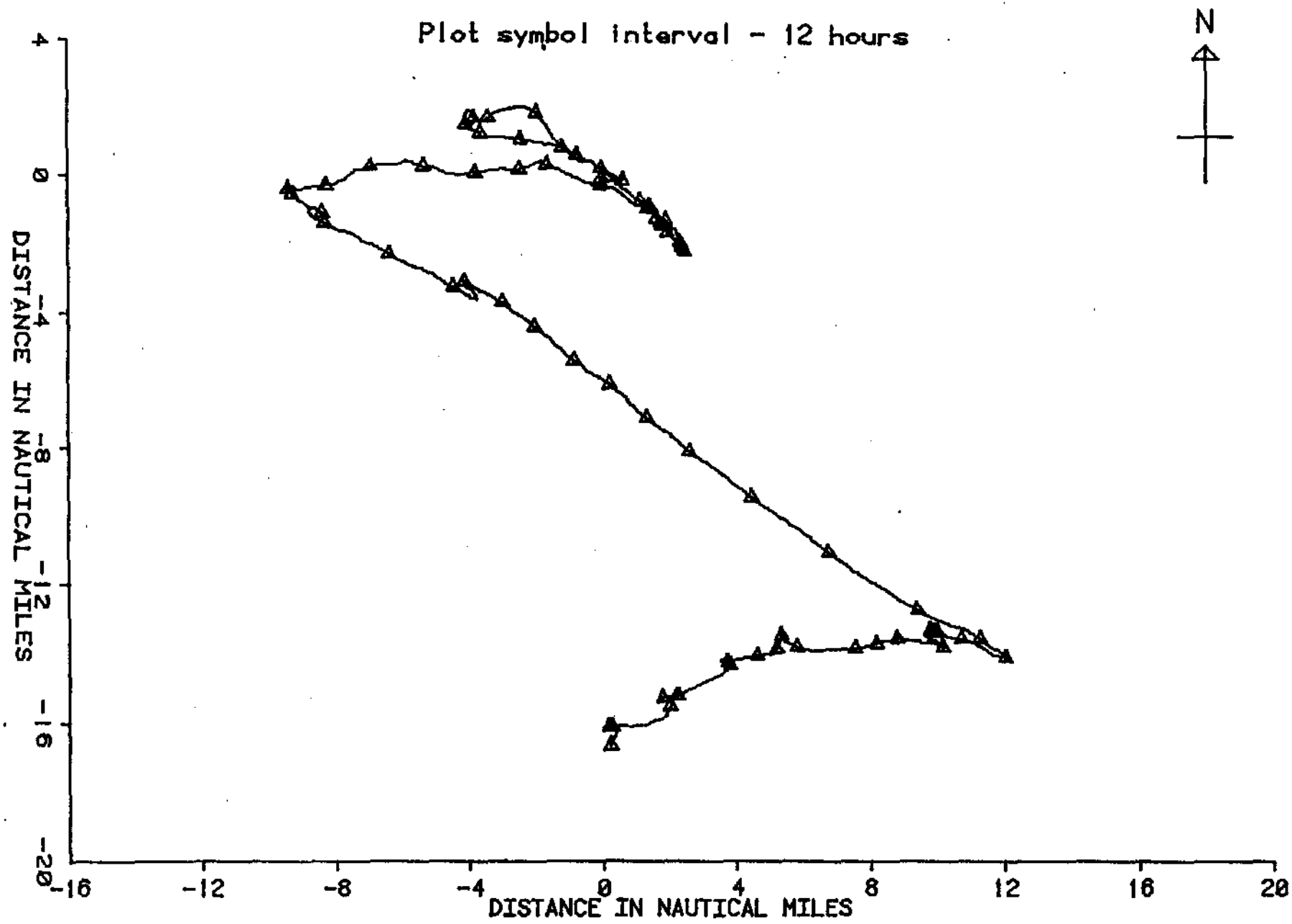


FIGURE D41. PROGRESSIVE VECTOR DIAGRAM
STATION S (BOTTOM) - 1/2 HR. AVERAGE CURRENT - ENDECO #052
2242, 28 JULY TO 1012, 5 SEPTEMBER, 1982

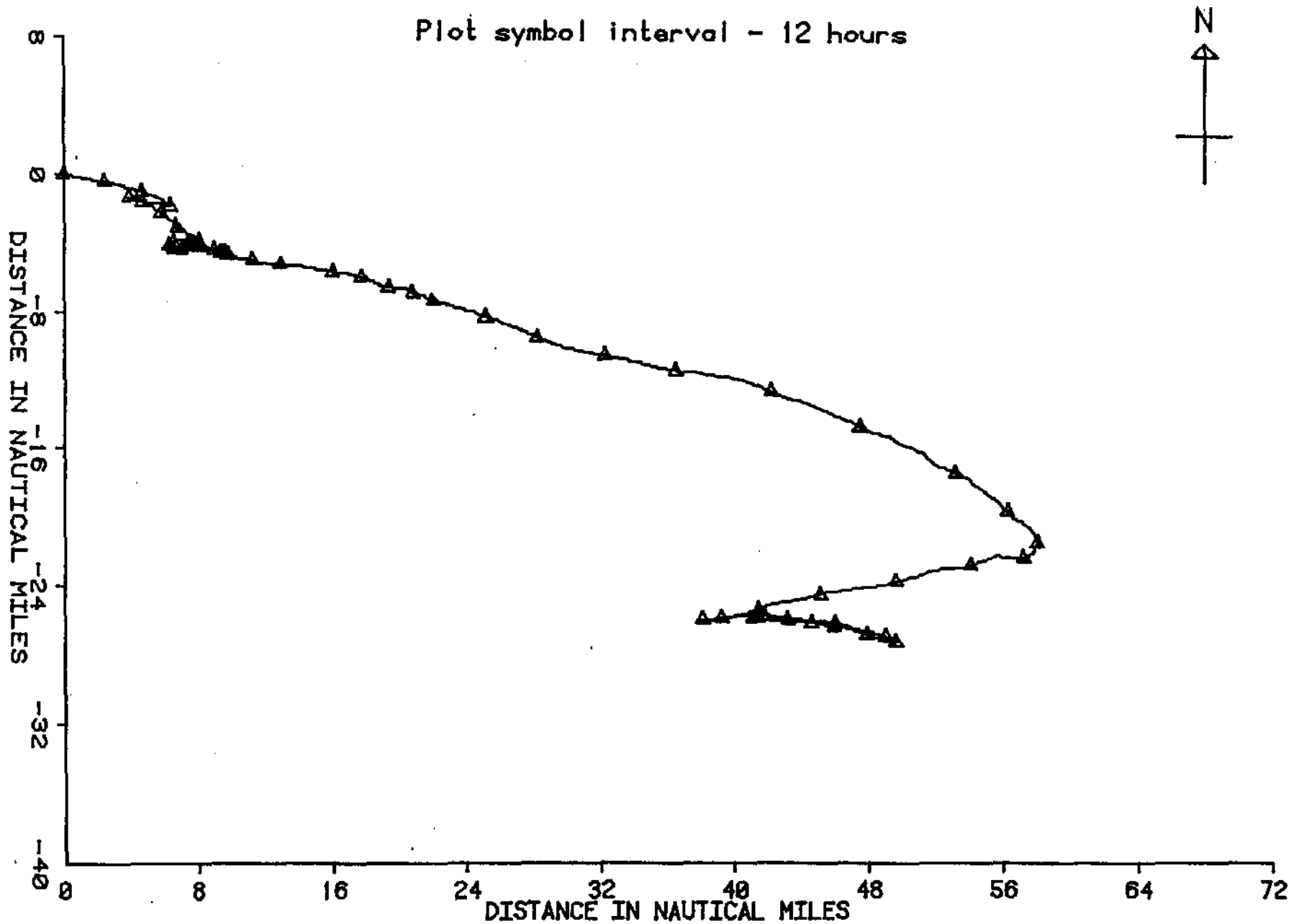
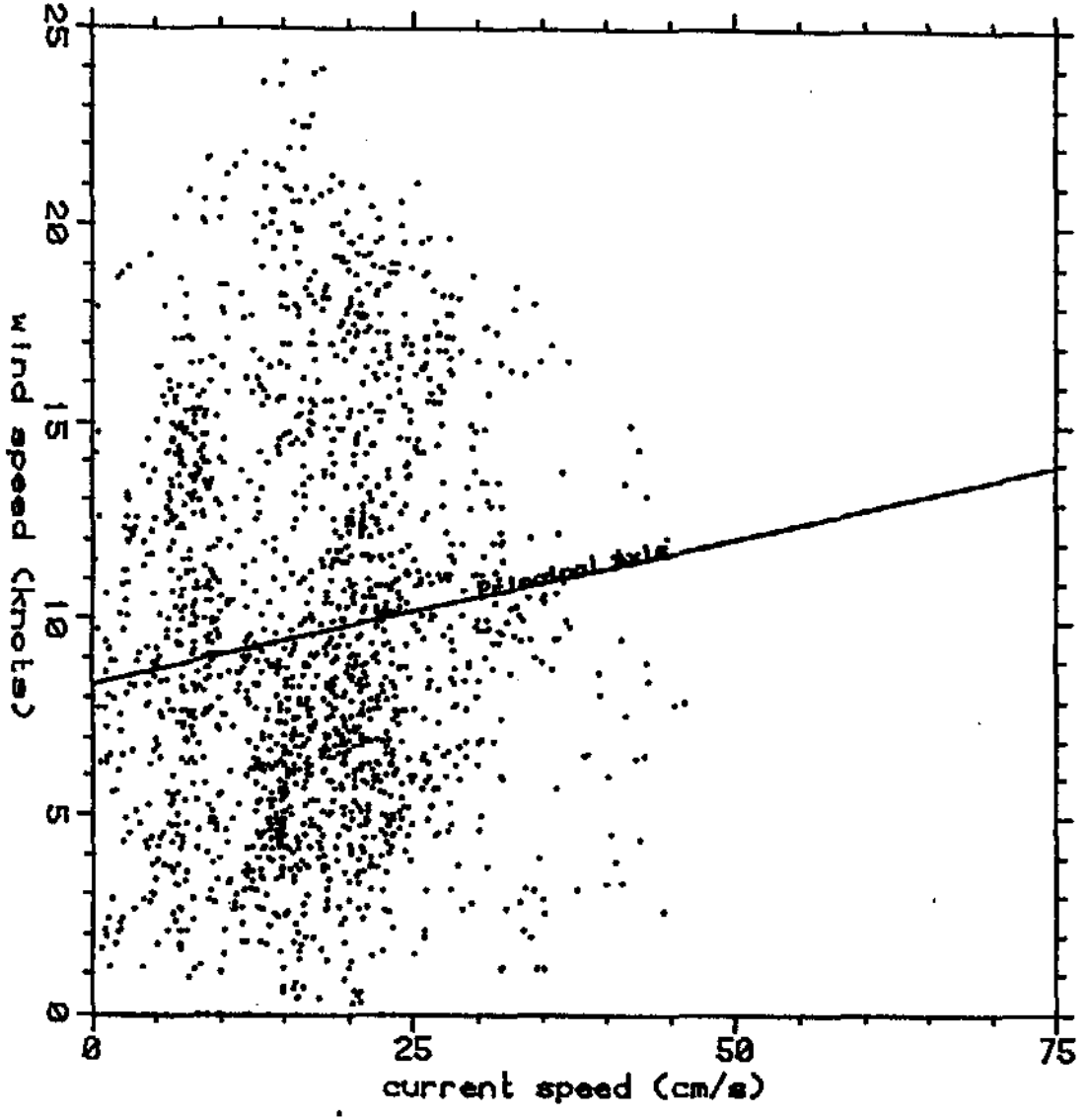
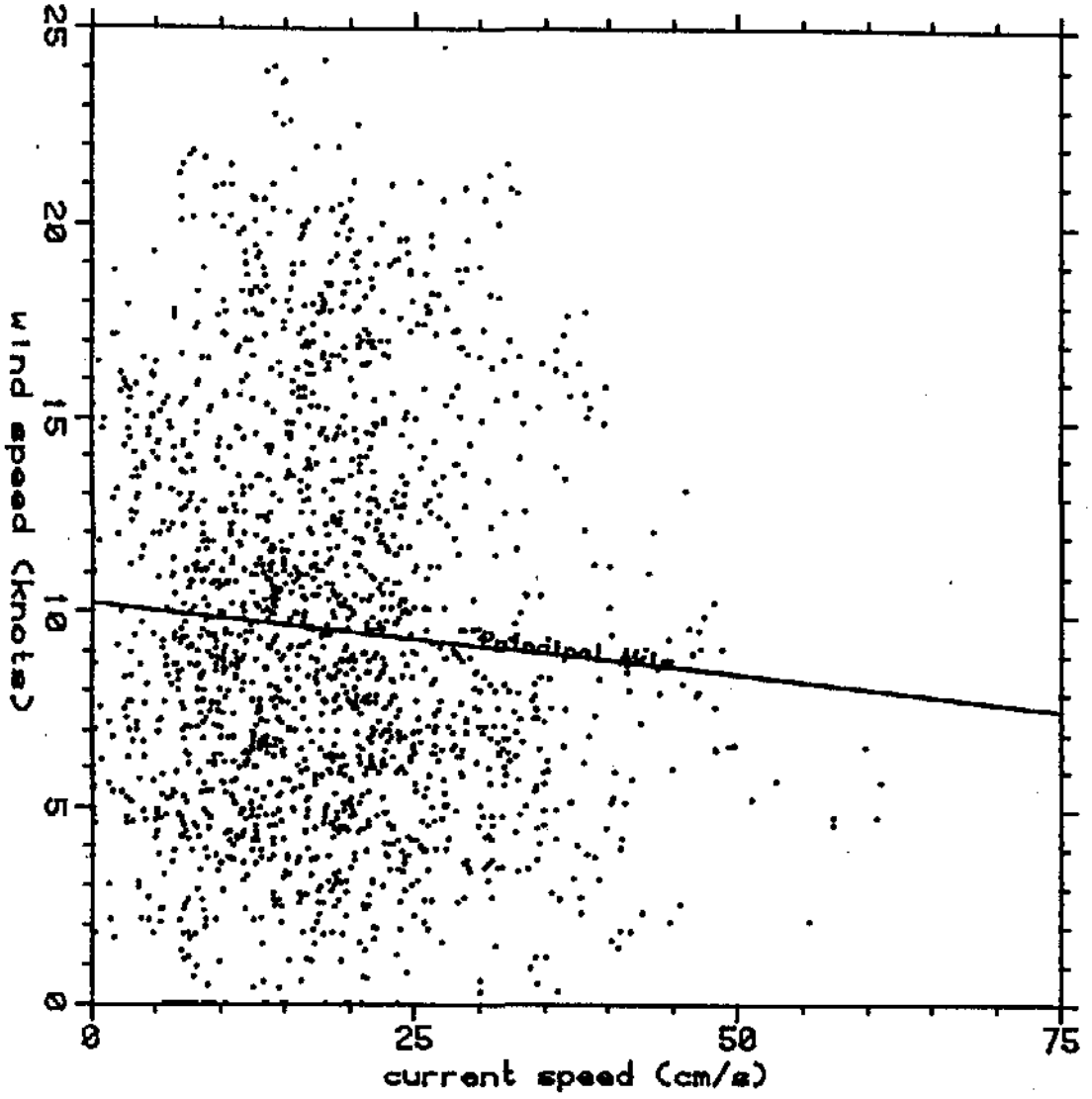


FIGURE D42. PROGRESSIVE VECTOR DIAGRAM
STATION Q - 1/2 HR. AVERAGE CURRENT - ENDECO #047
0228, 1 AUGUST TO 1228, 3 SEPTEMBER, 1982



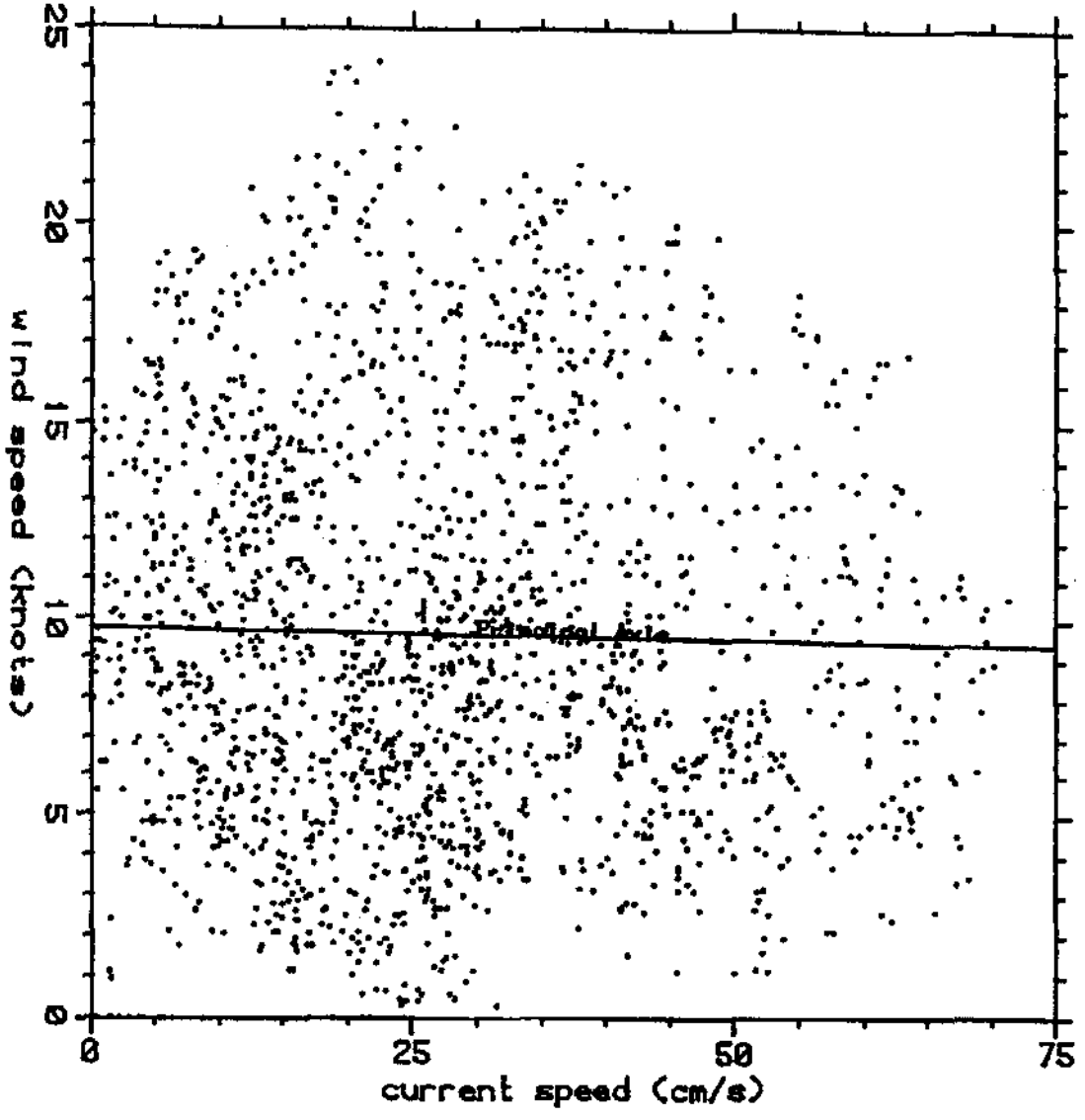
Statistics:
1722 data points
Current speed:
Mean = 17.13
Std. Dev. = 8.44
Wind speed:
Mean = 9.63
Std. Dev. = 5.17
Covariance = 3.37
Correlation = 0.077
Principal axis:
Slope = 0.075
Intercept = 8.338

FIGURE D43, SCATTER PLOT
CURRENT SPEED VS. WIND SPEED
STATION E - 1/2 HR. AVERAGE CURRENT SPEED
CHALLENGE ISLAND - 1/2 HR. AVERAGE WIND SPEED



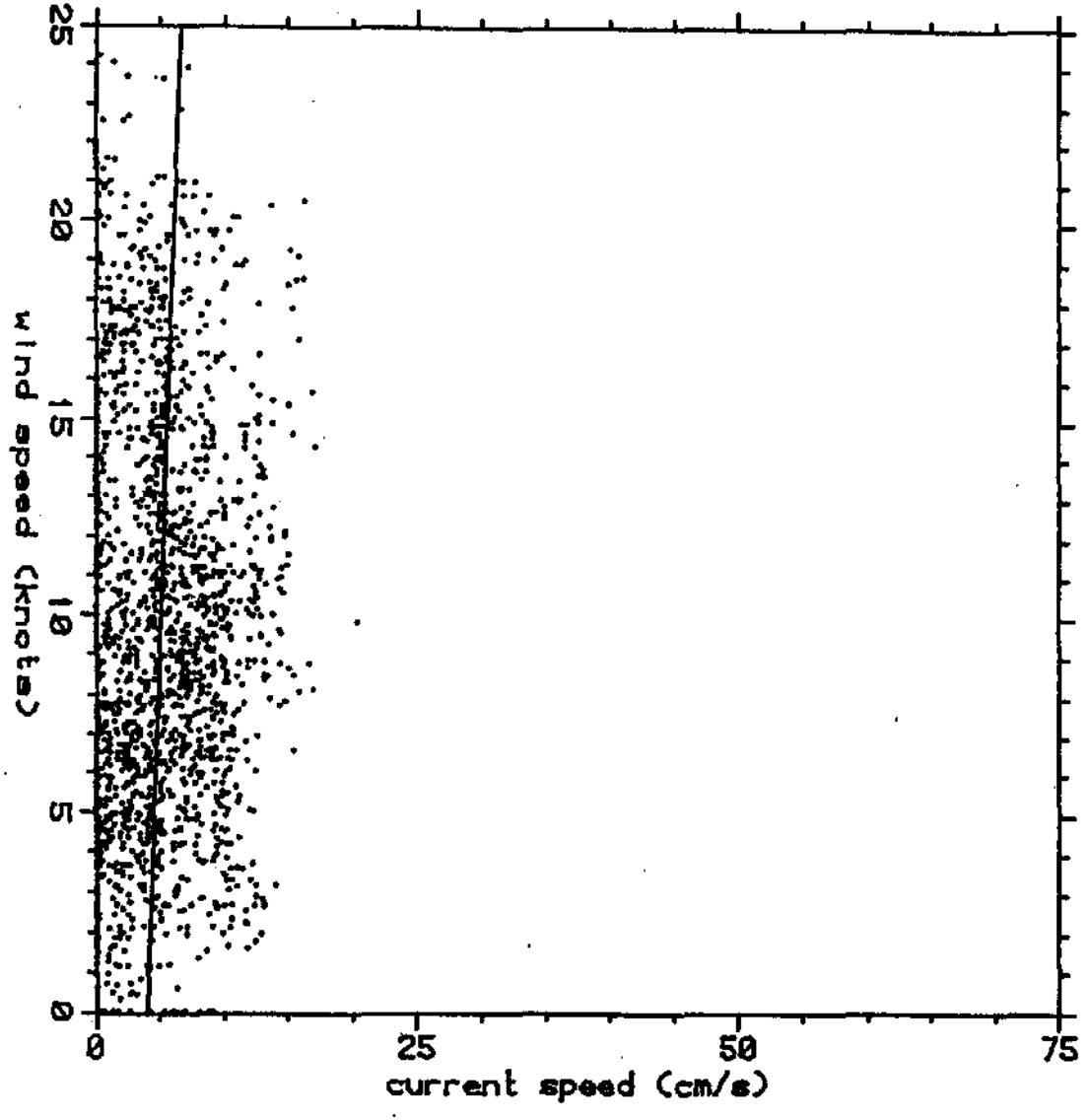
Statistics:
1781 data points
Current speed:
Mean = 17.99
Std. Dev. = 9.83
Wind speed:
Mean = 9.53
Std. Dev. = 5.13
Covariance = -2.51
Correlation = -0.050
Principal axis:
Slope = -0.036
Intercept = 10.171

FIGURE D44. SCATTER PLOT
CURRENT SPEED VS. WIND SPEED
STATION 0 - 1/2 HR. AVERAGE CURRENT SPEED - ENDECO #049
CHALLENGE ISLAND - 1/2 HR. AVERAGE WIND SPEED



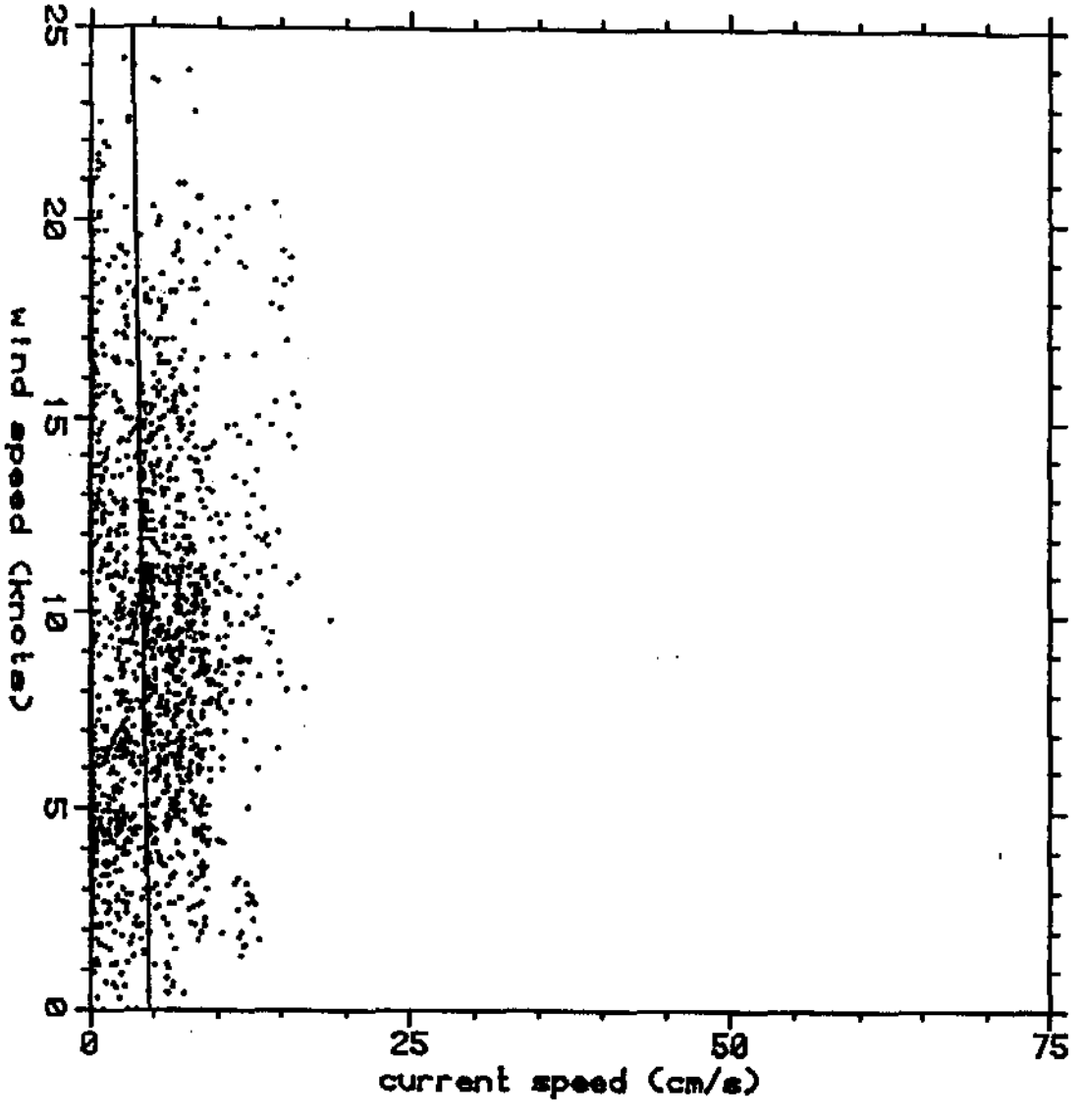
Statistics:
1733 data points
Current speed:
Mean = 26.92
Std. Dev. = 16.12
Wind speed:
Mean = 9.60
Std. Dev. = 5.17
Covariance = -1.34
Correlation = -0.016
Principal axis:
Slope = -0.006
Intercept = 9.753

FIGURE D45. SCATTER PLOT
CURRENT SPEED VS. WIND SPEED
STATION P - 1/2 HR. AVERAGE CURRENT SPEED
CHALLENGE ISLAND - 1/2 HR. AVERAGE WIND SPEED



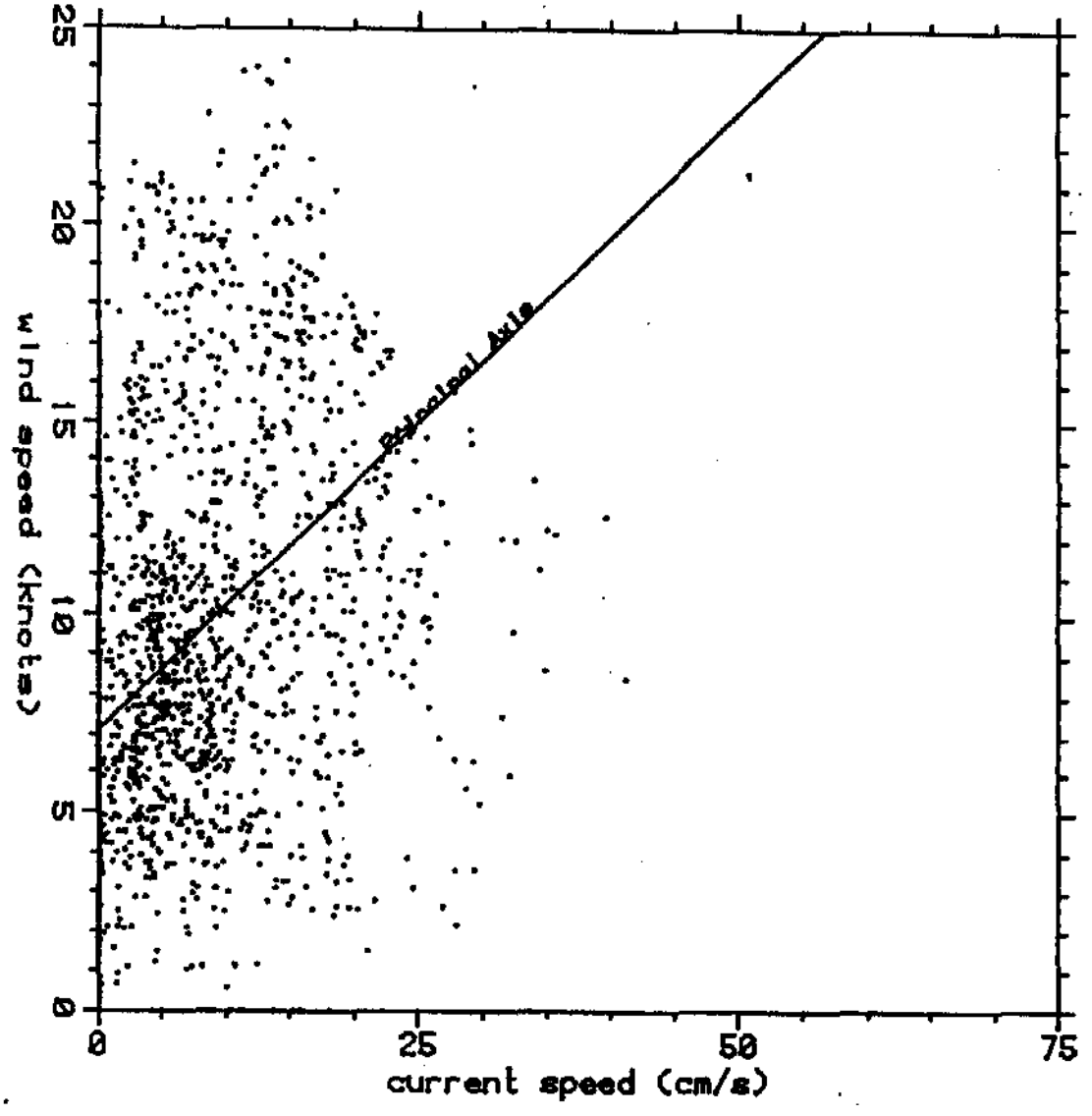
Statistics:
1767 data points
Current speed:
Mean = 5.07
Std. Dev. = 3.93
Wind speed:
Mean = 9.55
Std. Dev. = 5.14
Covariance = 1.11
Correlation = 0.055
Principal axis:
Slope = 9.905
Intercept = -40.673

FIGURE D46, SCATTER PLOT
CURRENT SPEED VS. WIND SPEED
STATION S (TOP) - 1/2 HR. AVERAGE CURRENT SPEED - ENDECO #175
CHALLENGE ISLAND - 1/2 HR. AVERAGE WIND SPEED



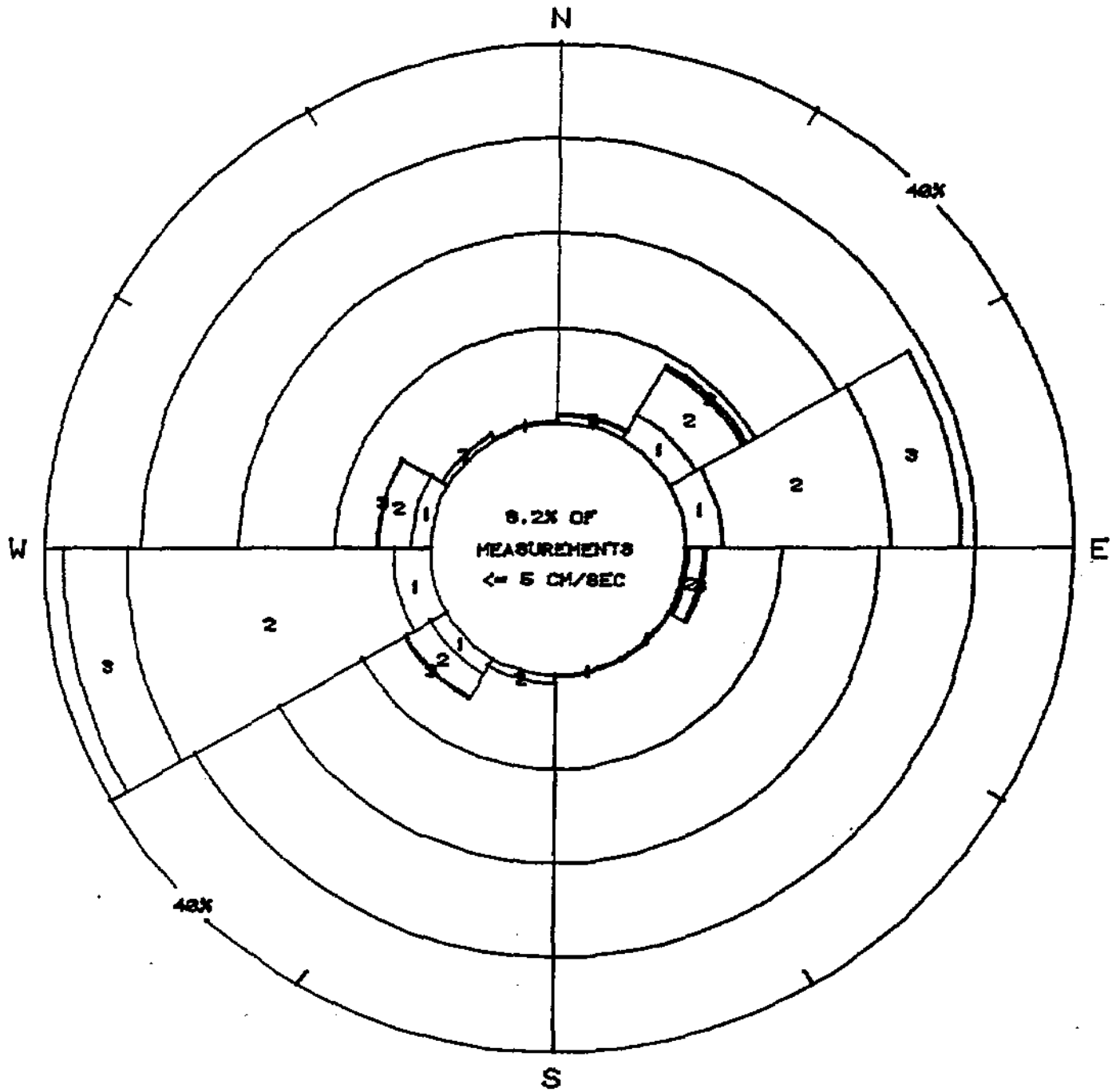
Statistics:
1767 data points
Current speed:
Mean = 4.12
Std. Dev. = 3.82
Wind speed:
Mean = 9.55
Std. Dev. = 5.14
Covariance = -0.64
Correlation = -0.033
Principal axis:
Slope = -18.462
Intercept = 85.660

FIGURE D47 SCATTER PLOT
CURRENT SPEED VS. WIND SPEED
STATION S (BOTTOM) - 1/2 HR. AVERAGE CURRENT SPEED - ENDECO #0
CHALLENGE ISLAND - 1/2 HR. AVERAGE WIND SPEED



Statistics:
1605 data points
Current speed:
Mean = 7.63
Std. Dev. = 7.30
Wind speed:
Mean = 9.50
Std. Dev. = 5.14
Covariance = 9.44
Correlation = 0.251
Principal axis:
Slope = 0.316
Intercept = 7.090

FIGURE D48. SCATTER PLOT
CURRENT SPEED VS. WIND SPEED
STATION Q - 1/2 HR. AVERAGE CURRENT SPEED - ENDECO #047
CHALLENGE ISLAND - 1/2 HR. AVERAGE WIND SPEED

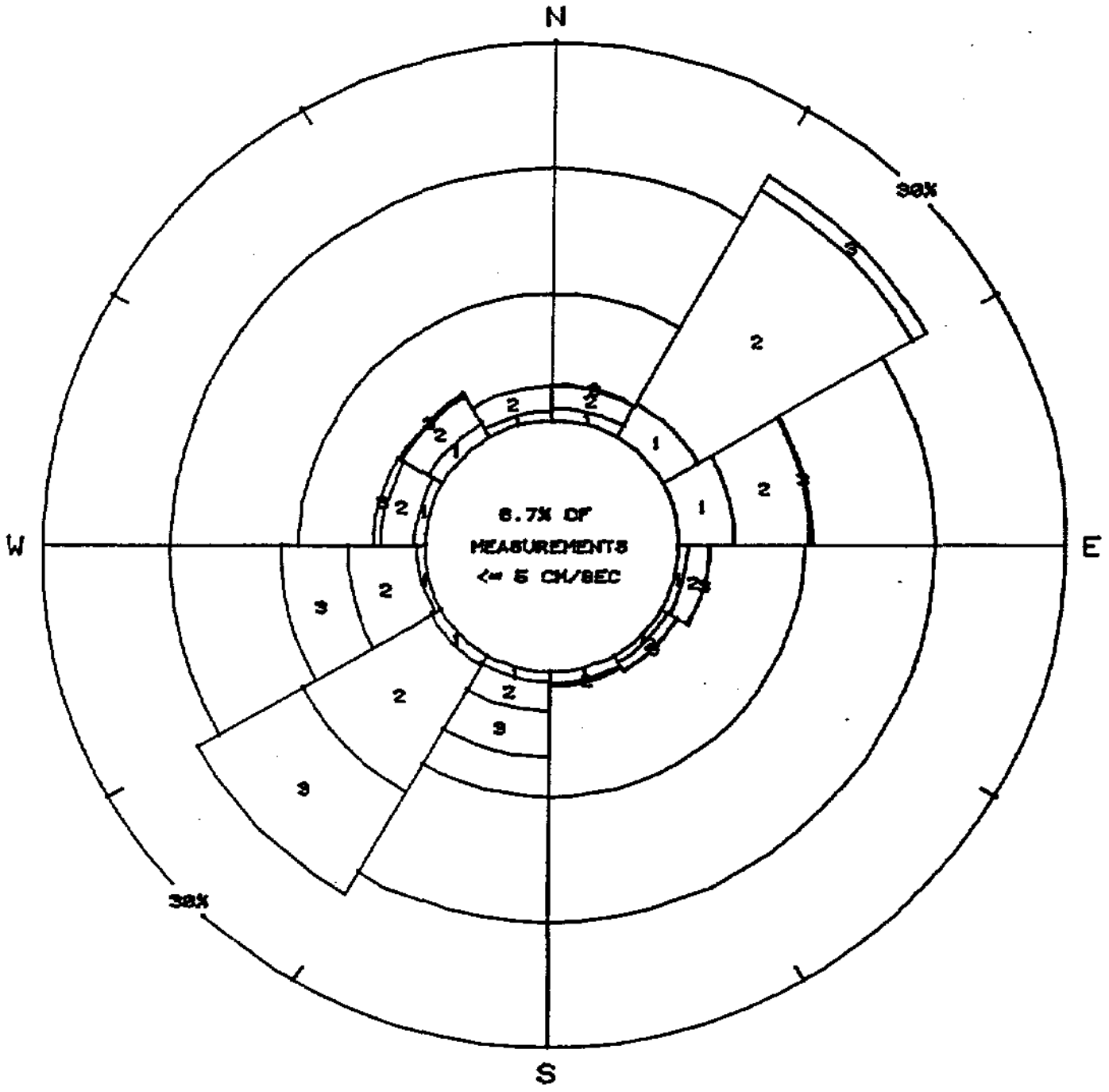


1 5 - 10 CM/SEC

2 10 - 25 CM/SEC

3 >= 25 CM/SEC

FIGURE D49 . ROSE DIAGRAM
1/2 HR. AVERAGE CURRENT
STATION E - ENDECO #232
2122, 29 JULY TO 0722, 4 SEPTEMBER, 1982

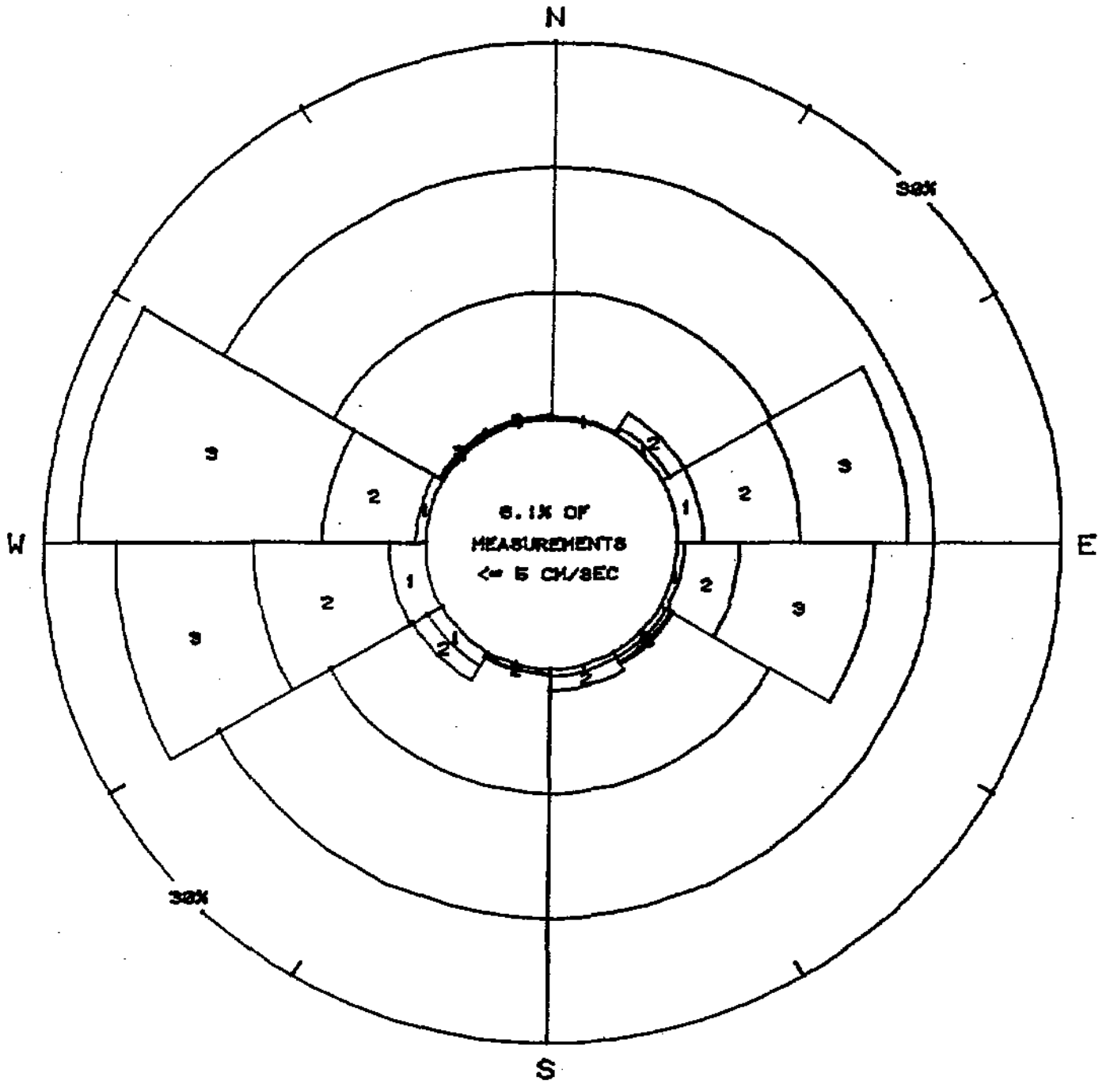


1 5 - 10 CM/SEC

2 10 - 25 CM/SEC

3 >= 25 CM/SEC

FIGURE D50 . ROSE DIAGRAM
1/2 HR. AVERAGE CURRENT
STATION O - ENDECO #049
1538, 28 JULY TO 1008, 4 SEPTEMBER 1982

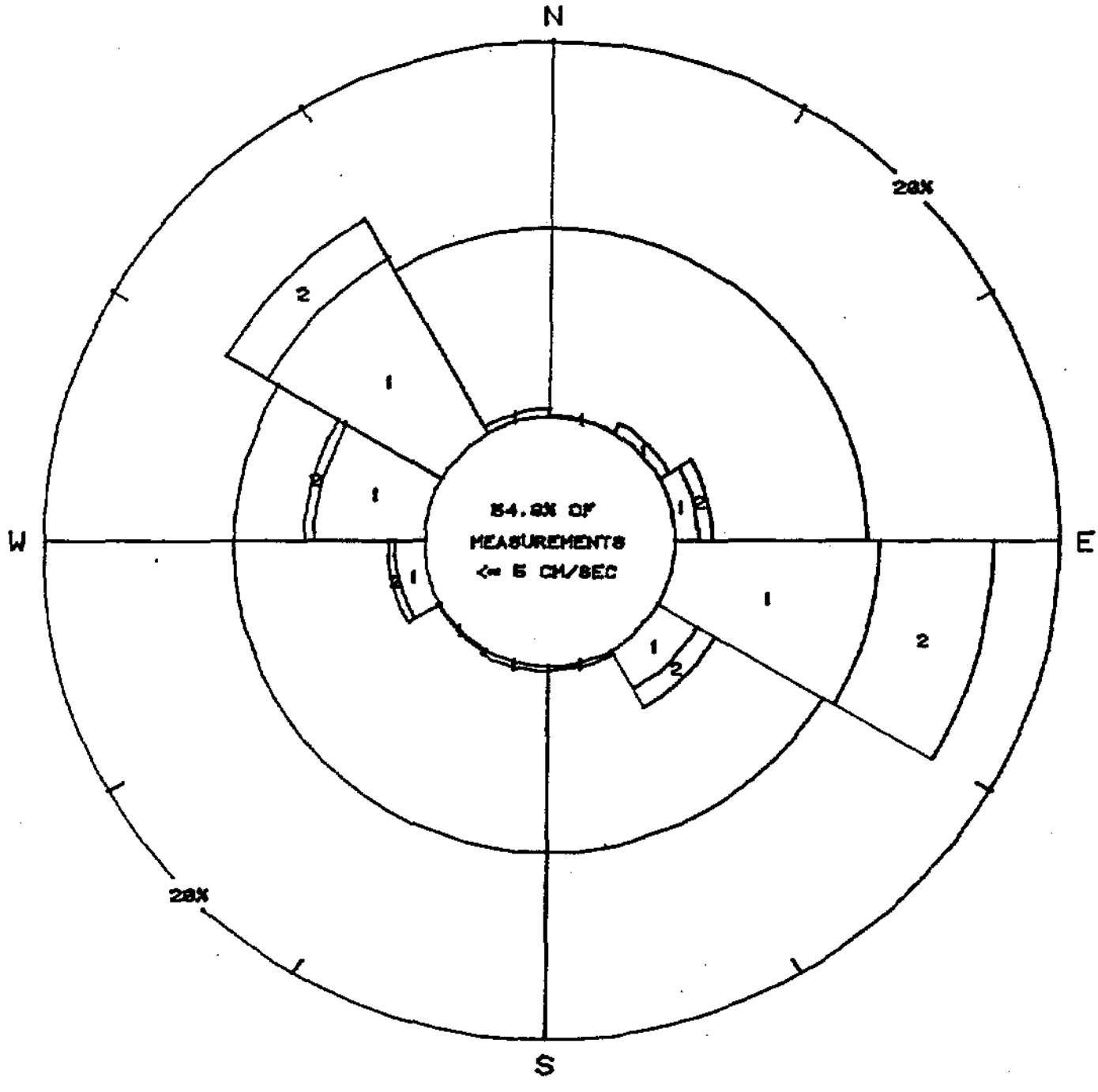


1 5 - 10 CM/SEC

2 10 - 25 CM/SEC

3 >= 25 CM/SEC

FIGURE D51 . ROSE DIAGRAM
1/2 HR. AVERAGE CURRENT
STATION P - ENDECO #048
1545, 29 JULY, TO 0845, 4 SEPTEMBER, 1982

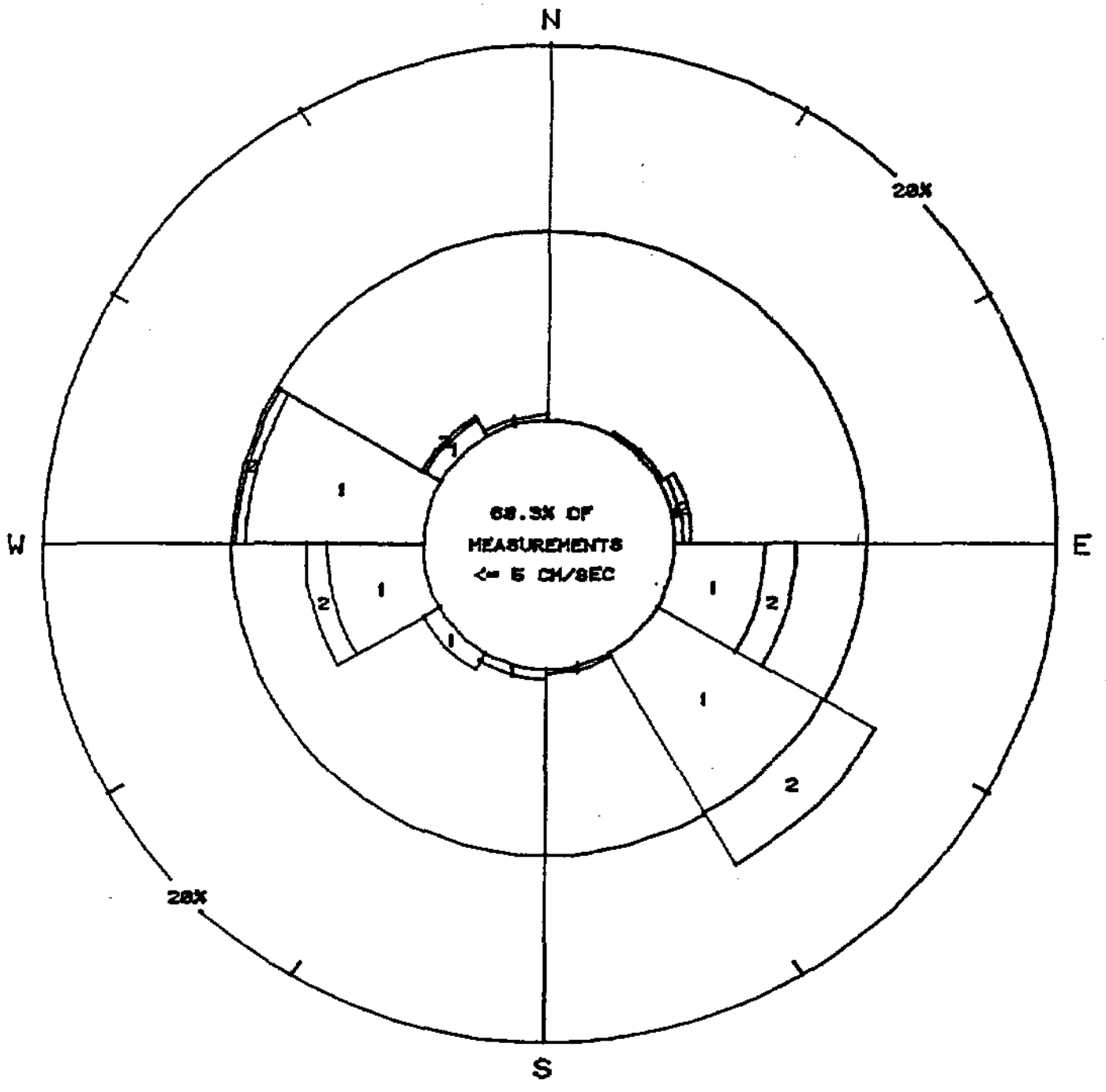


1 — 5 – 10 CM/SEC

2 — 10 – 25 CM/SEC

3 — >= 25 CM/SEC

FIGURE D52 . ROSE DIAGRAM
1/2 HR. AVERAGE CURRENT
STATION S (TOP) – ENDECO #175
2252, 28 JULY TO 1022, 5 SEPTEMBER, 1982



1	5 – 10 CM/SEC	3	>= 25 CM/SEC
2	10 – 25 CM/SEC		

FIGURE D53 . ROSE DIAGRAM
1/2 HR. AVERAGE CURRENT
STATION S (BOTTOM) – ENDECO #052
2242, 28 JULY TO 1012, 5 SEPTEMBER, 1982

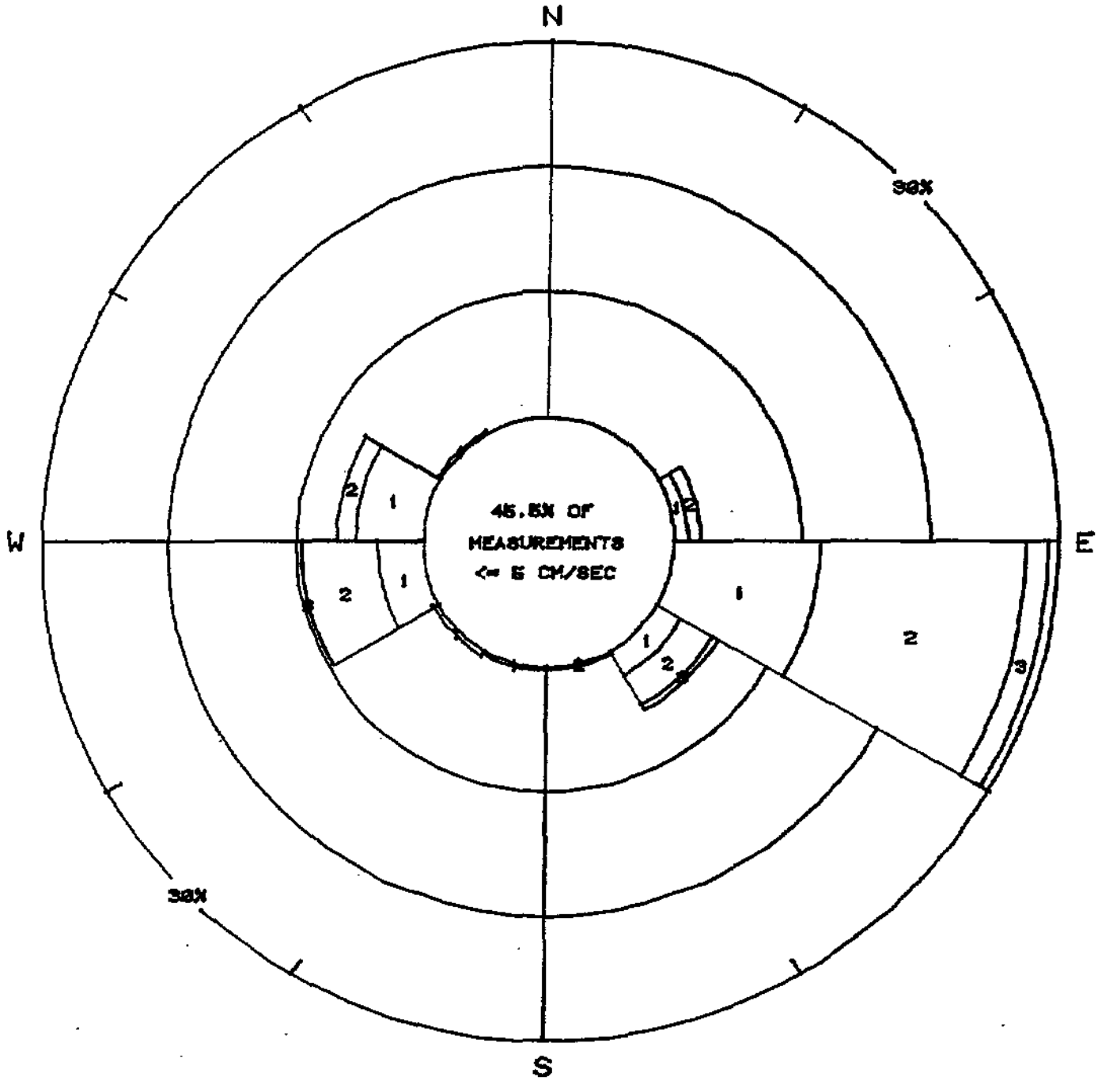


FIGURE D54 . ROSE DIAGRAM
1/2 HR AVERAGE CURRENT
STATION Q - ENDECO #047
0228, 1 AUGUST TO 1228, 3 SEPTEMBER, 1982

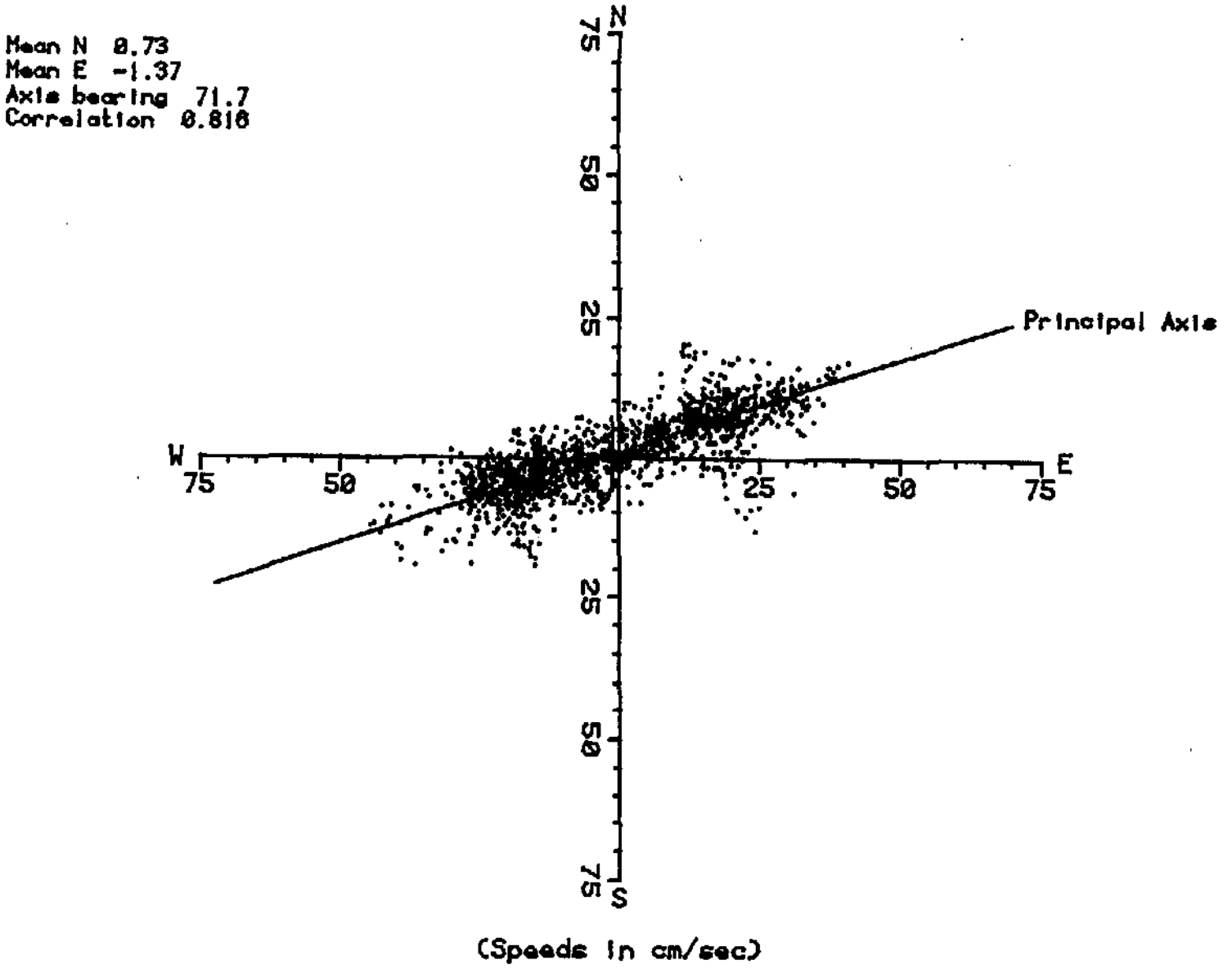


FIGURE D55. POLAR PLOT - SPEED AND DIRECTION DATA
STATION E - 1/2 HR. AVERAGE CURRENT - ENDECO #232
2122, 29 JULY TO 0722, 4 SEPTEMBER, 1982

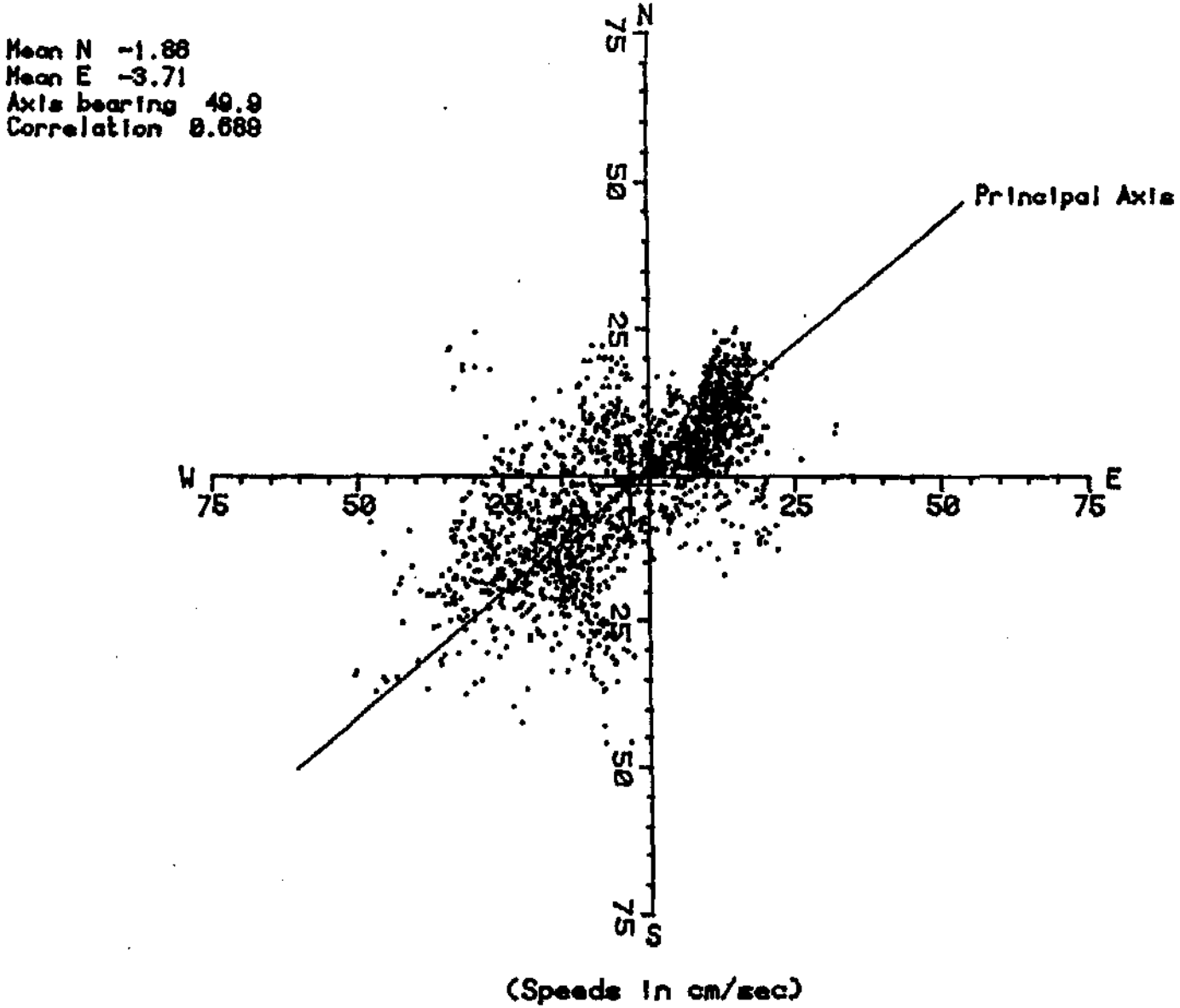


FIGURE D56. POLAR PLOT - SPEED AND DIRECTION DATA
STATION O - 1/2 HR. AVERAGE CURRENT - ENDECO #049
1538, 28 JULY TO 1008, 4 SEPTEMBER, 1982

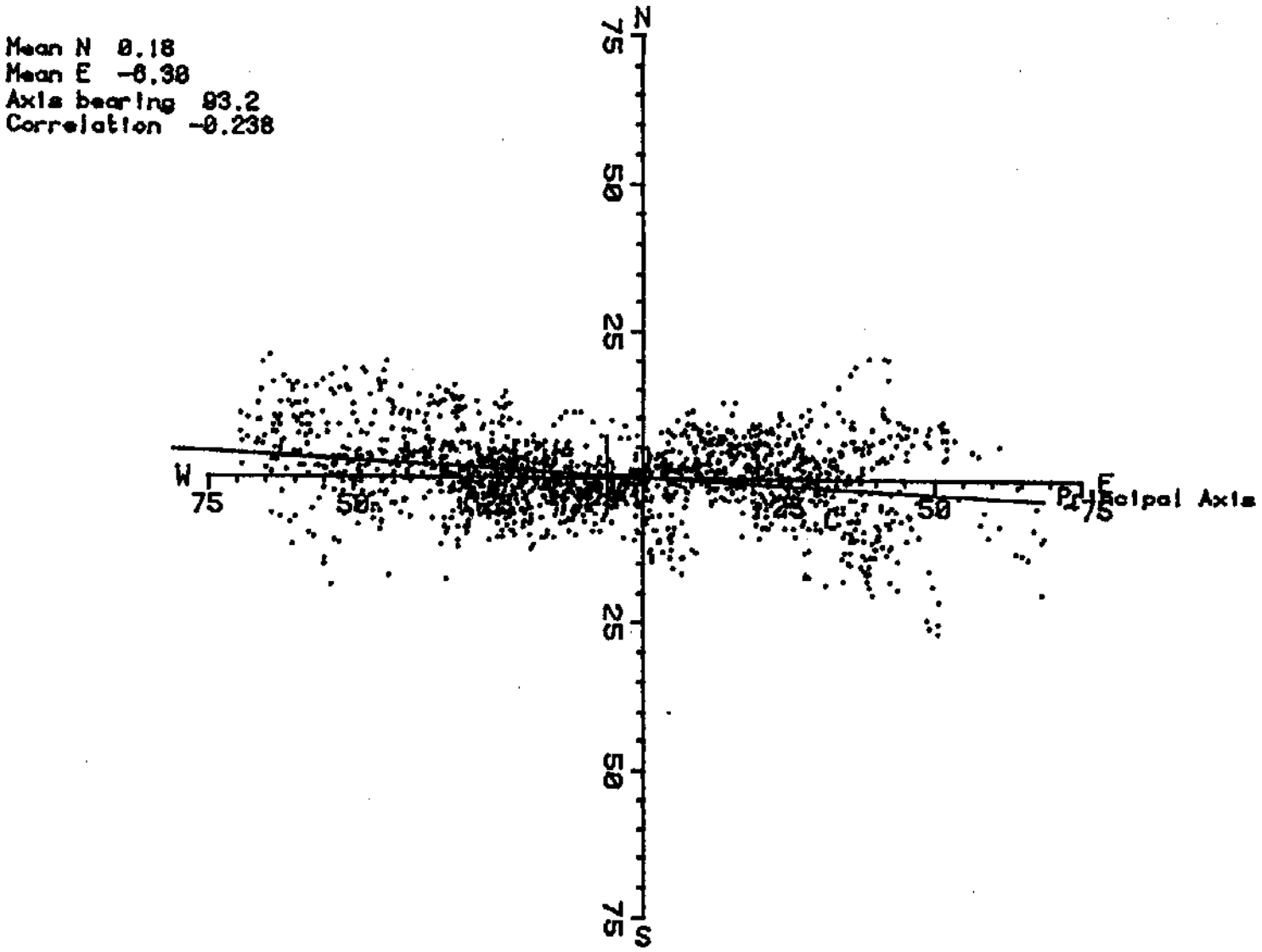


FIGURE D57 POLAR PLOT - SPEED AND DIRECTION DATA
STATION P - 1/2 HR. AVERAGE CURRENT - ENDECO #048
1545, 29 JULY TO 0845, 4 SEPTEMBER, 1982

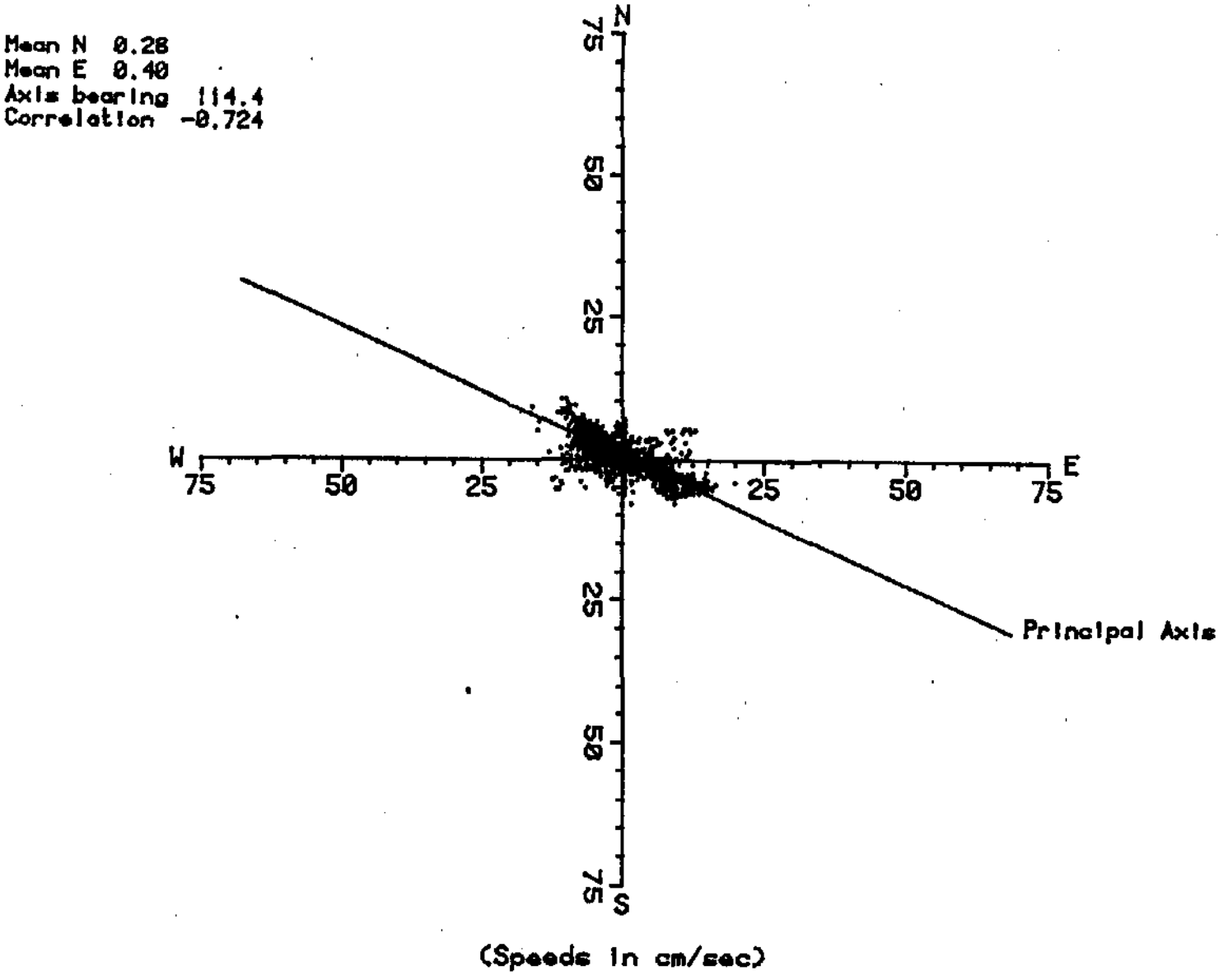


FIGURE D53. POLAR PLOT - SPEED AND DIRECTION DATA
STATION S (TOP) - 1/2 HR. AVERAGE CURRENT - ENDECO #175
2252, 28 JULY TO 1022, 5 SEPTEMBER, 1982

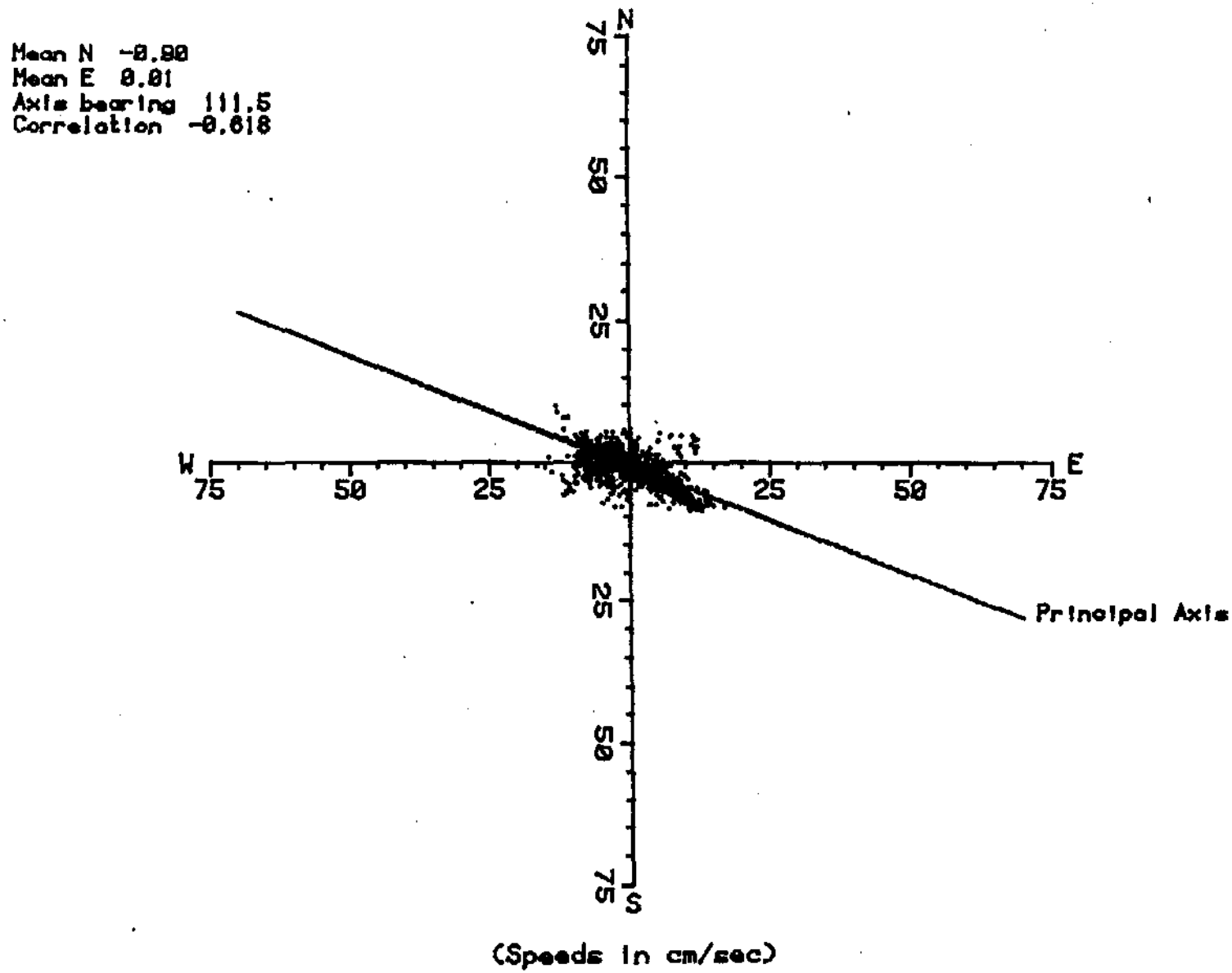


FIGURE D59 POLAR PLOT - SPEED AND DIRECTION DATA
STATION S (BOTTOM) - 1/2 HR. AVERAGE CURRENT - ENDECO #052
2242, 28 JULY TO 1012, 5 SEPTEMBER, 1982

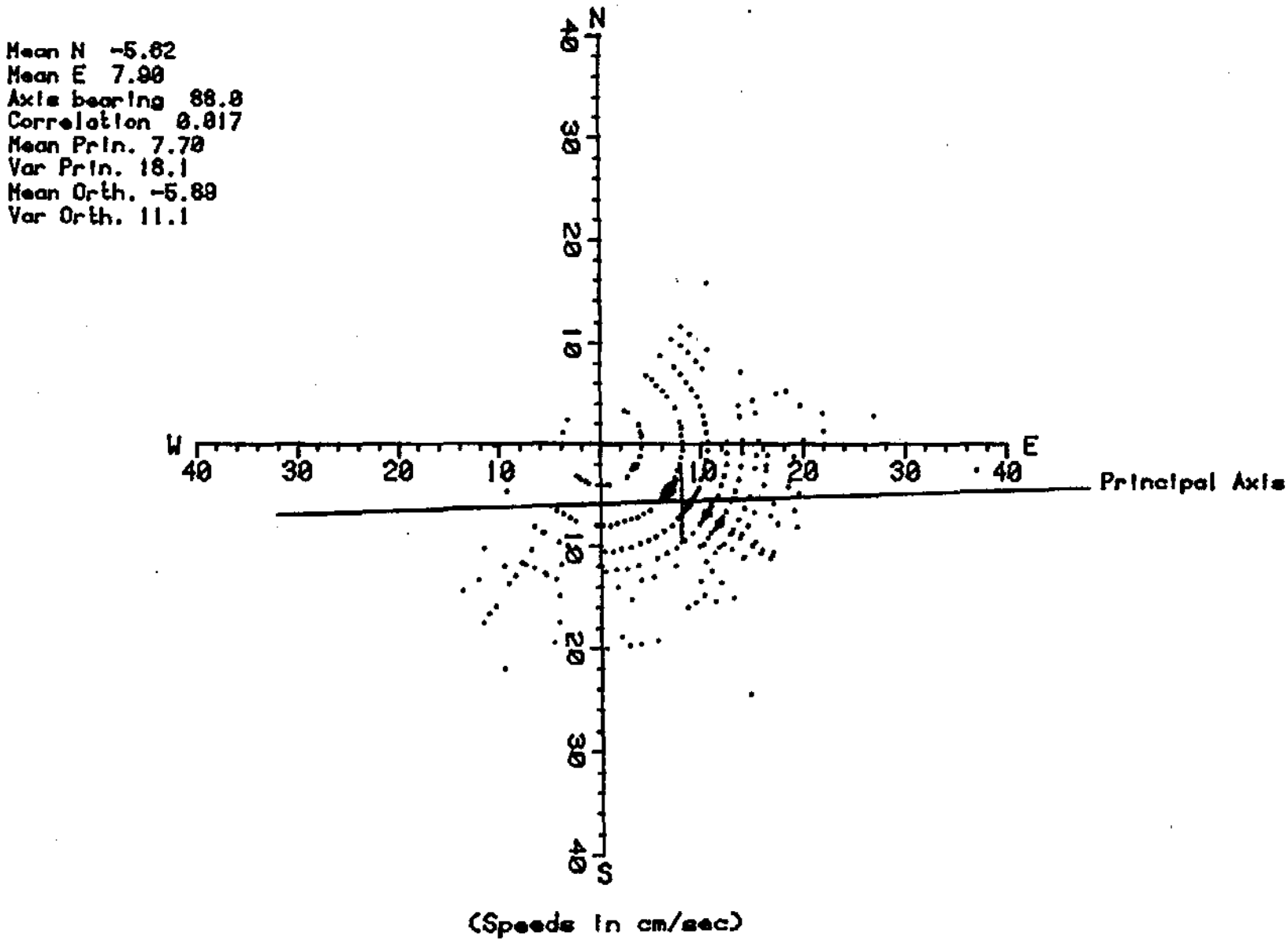


FIGURE D62. POLAR PLOT - SPEED AND DIRECTION DATA
POINT THOMSON STATION T CURRENT
2020, 28 JULY TO 0950, 5 SEPTEMBER, 1982

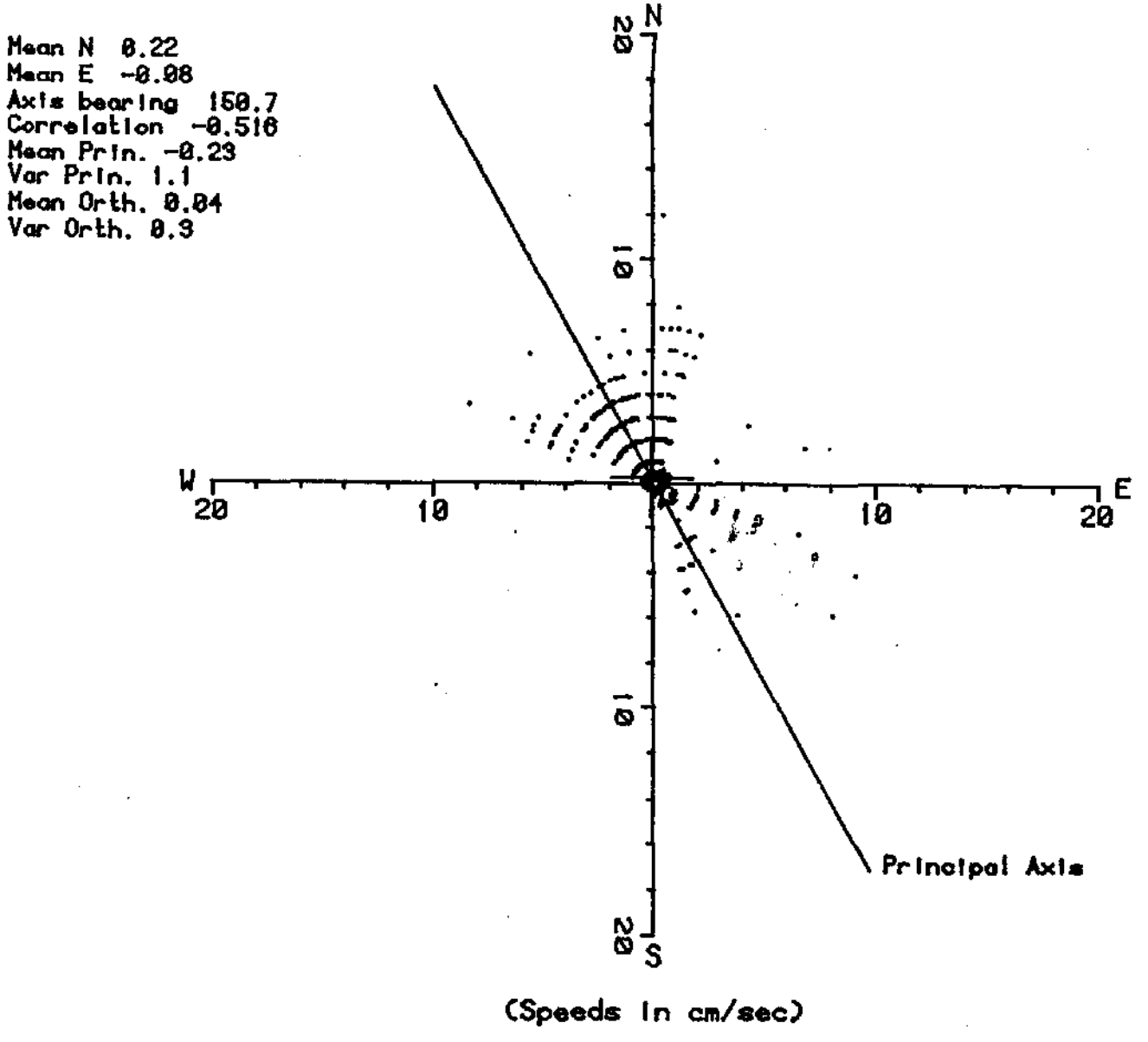


FIGURE D63 . POLAR PLOT - SPEED AND DIRECTION DATA
POINT THOMSON STATION SP CURRENT
1600, 5 SEPTEMBER TO 1230, 15 NOVEMBER, 1982

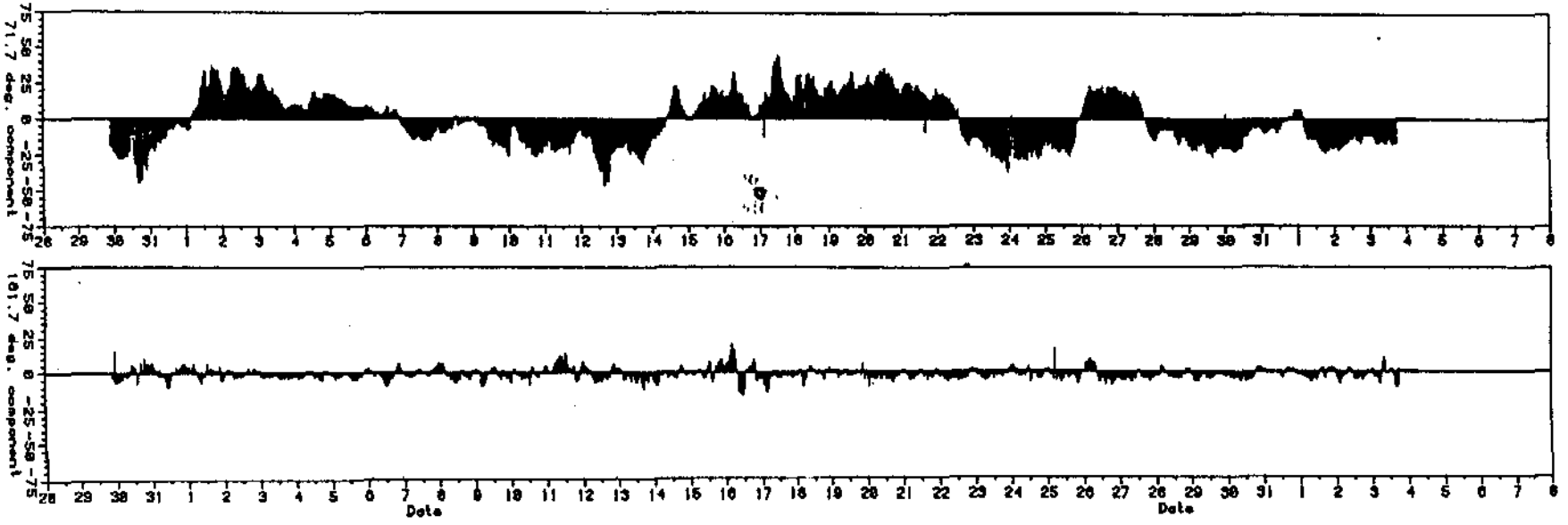


Figure D64. Components Stick Plot Station E; 1/2 Hr. Average Current Speed, Endeco #232, 2122, 29 July to 0722, 4 September, 1982 (speeds in cm/sec)

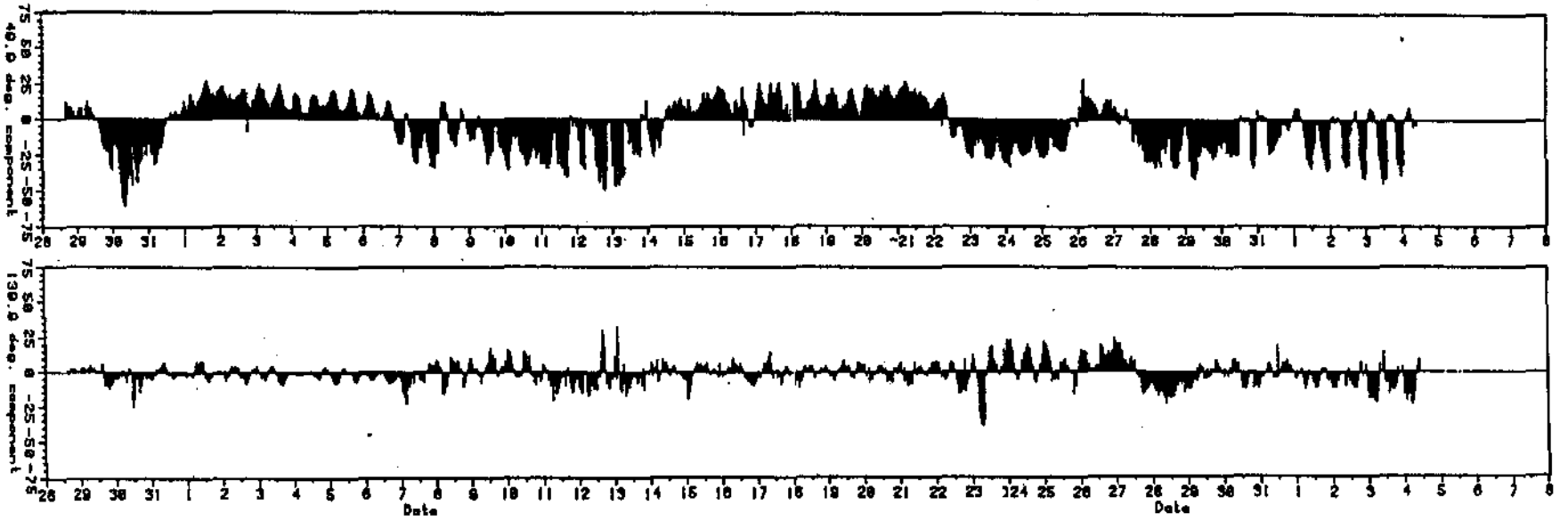


Figure D65. Componetns Stick Plot Station O; 1/2 Hour Average Current Endeco #049, 1538, 28 July to 1008, 4 September, 1982 (speeds in cm/sec).

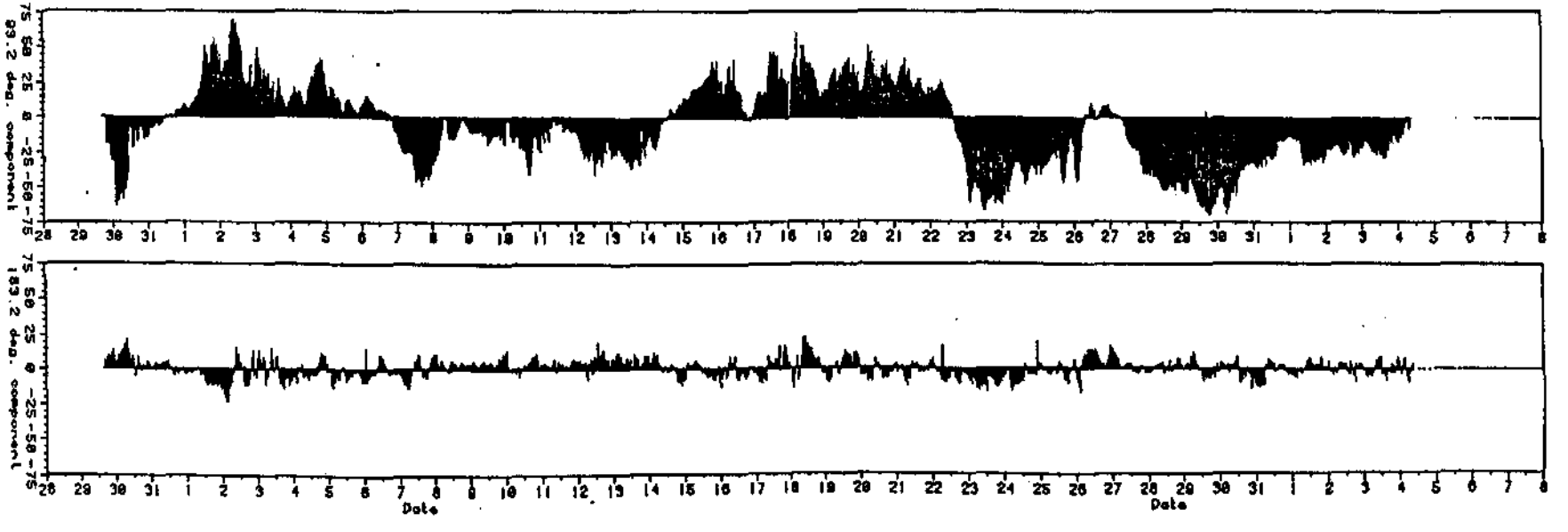


Figure D66. Components Stick Plot
Station P; 1/2 Hr. Average
Current Speed, Endeco #048
1545, 29 July to 0845,
4 September, 1982.

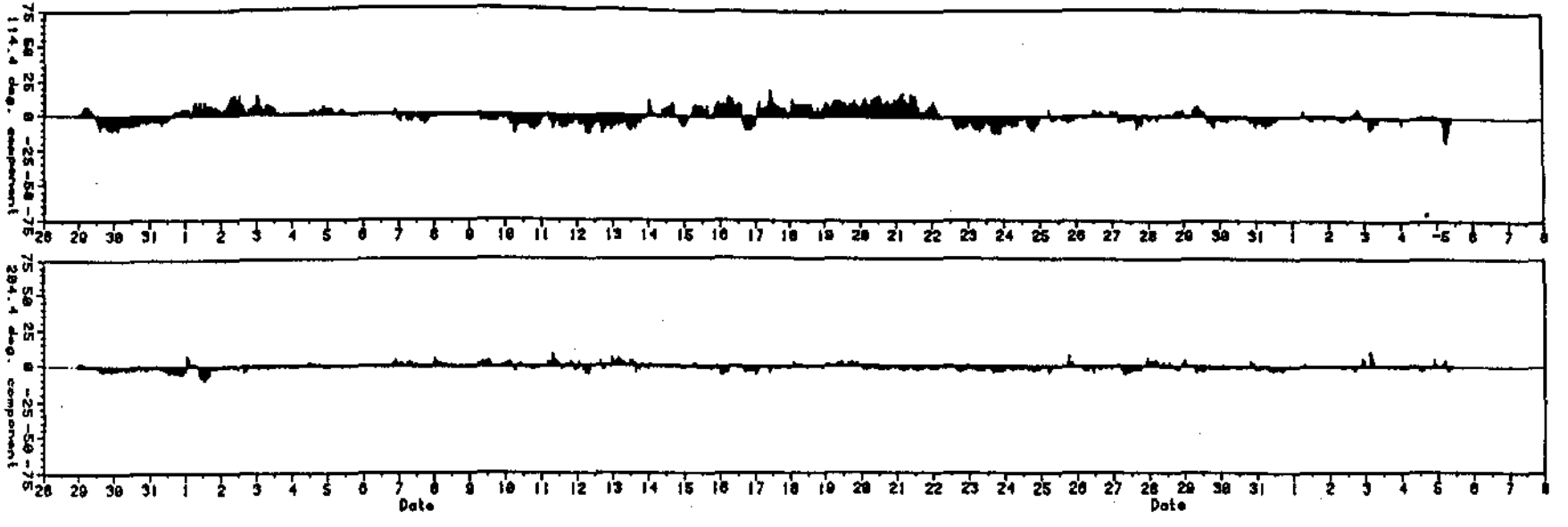


Figure D67. Components Stick Plot
Station S (Top); 1/2 Hr. Average
Current Speed, Endeco #175, 2252,
28 July to 1022, 5 September 1982.
(speeds in cm/sec)

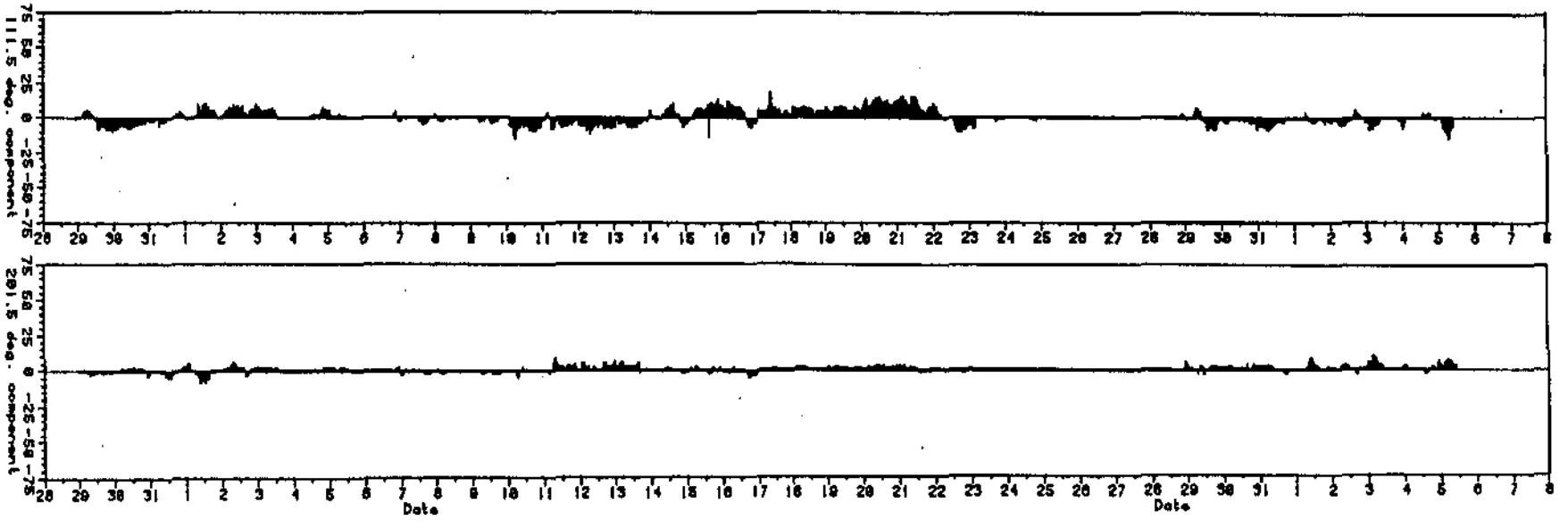


Figure D68. Components Stick Plot
Station S (Bottom), 1/2 Hr.
Average Current Speed, Endeco
#052, 2242, 28 July to 1012,
5 September 1982.

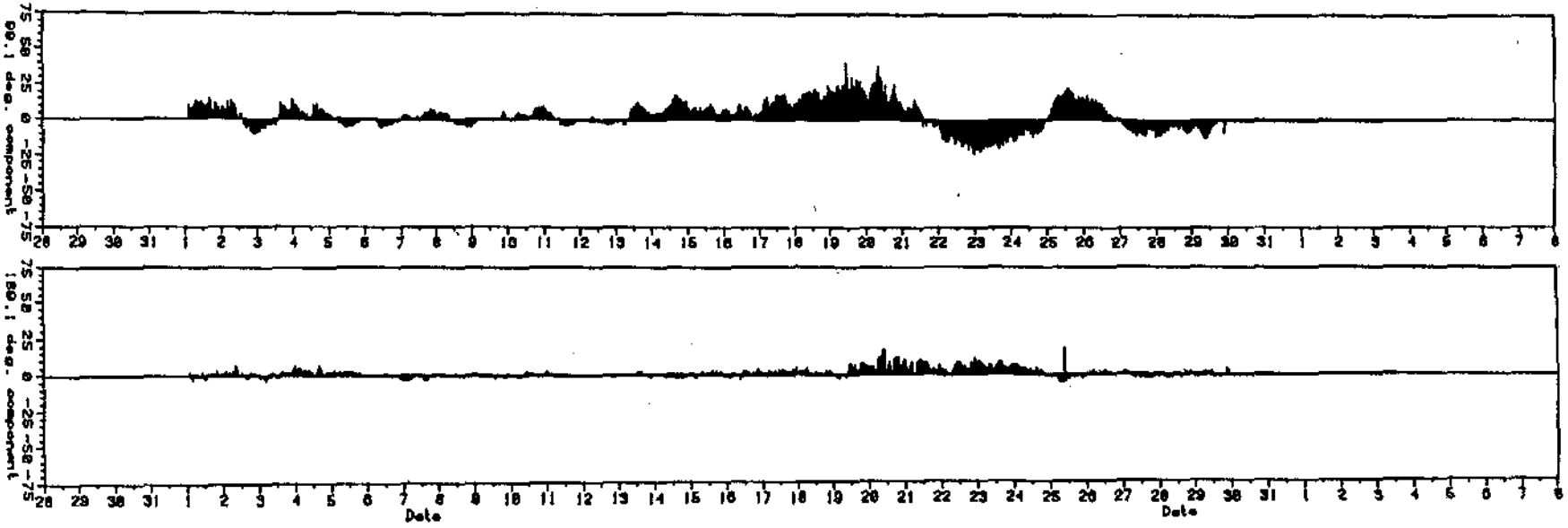


Figure D69. Components Stick Plot
Station Q; 1/2 Hr. Average
Current Speed, Endeco #047,
0228, 1 August, to 1228, 3
September 1982 (speeds in cm/sec).

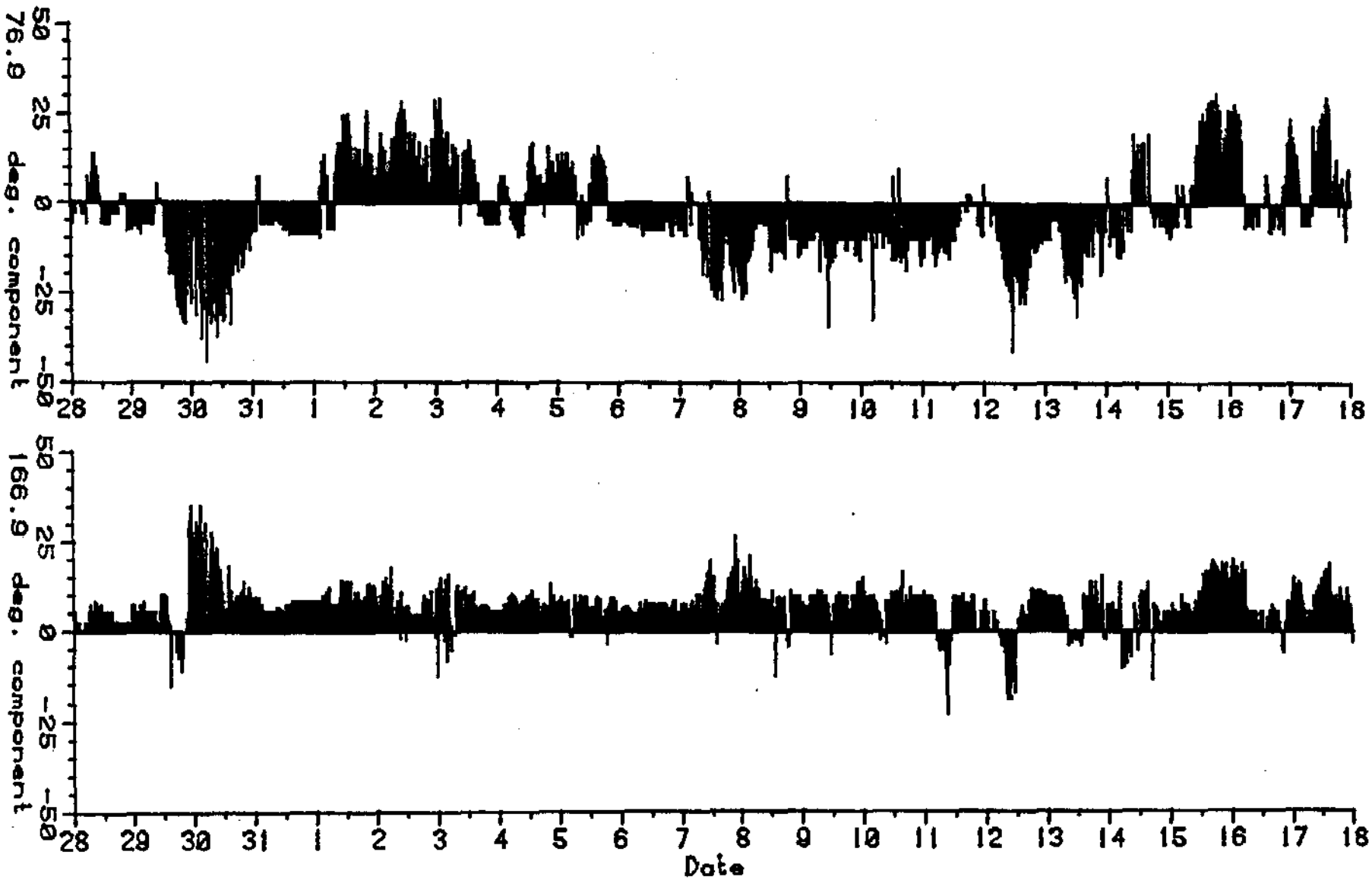


FIGURE D70. COMPONENTS STICK PLOT
POINT THOMSON STATION D CURRENT
0010, 28 JULY TO 2340, 17 AUGUST, 1982
(speeds in cm/sec)

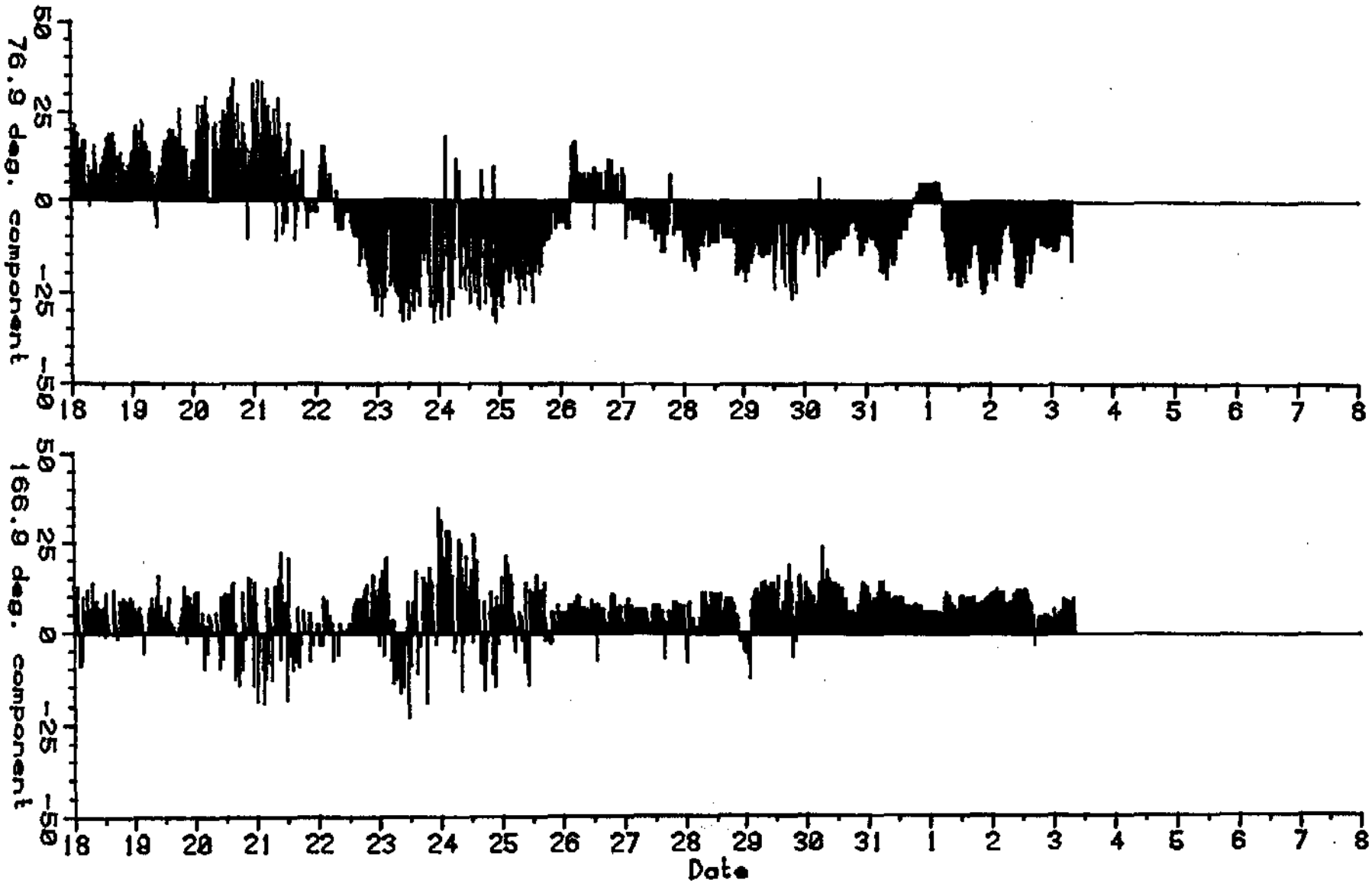


FIGURE D70 COMPONENTS STICK PLOT
POINT THOMSON STATION D CURRENT
0010, 17 AUGUST TO 0940, 3 SEPTEMBER, 1982
(speeds in cm/sec)

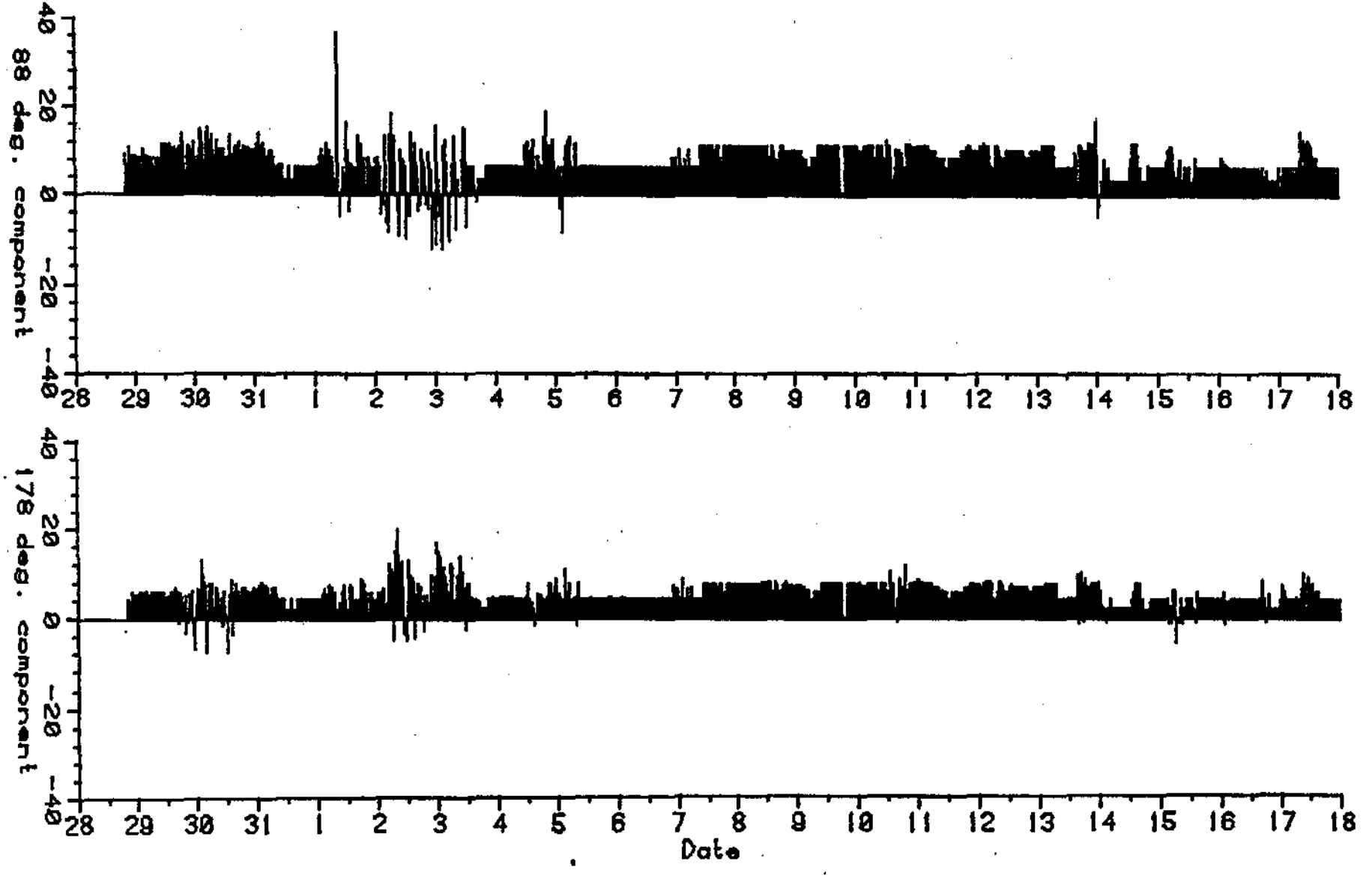


FIGURE D71 COMPONENTS STICK PLOT
POINT THOMSON STATION T CURRENT
2020, 27 JULY TO 2350, 17 AUGUST, 1982
(speeds in cm/sec)

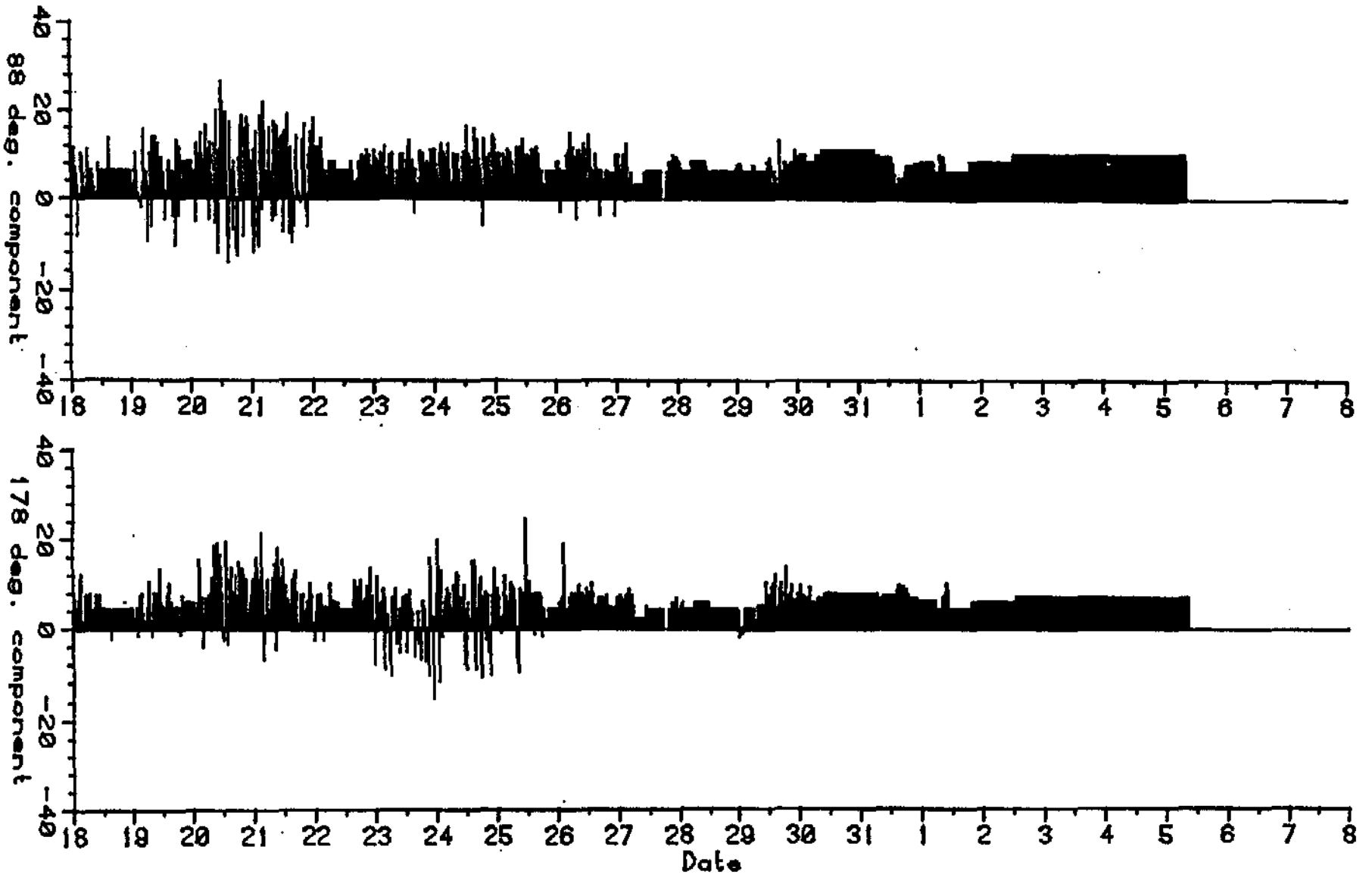


FIGURE D71 COMPONENTS STICK PLOT
POINT THOMSON STATION T
0020, 18 AUGUST TO 0950, 5 SEPTEMBER, 1982
(speeds in cm/sec)

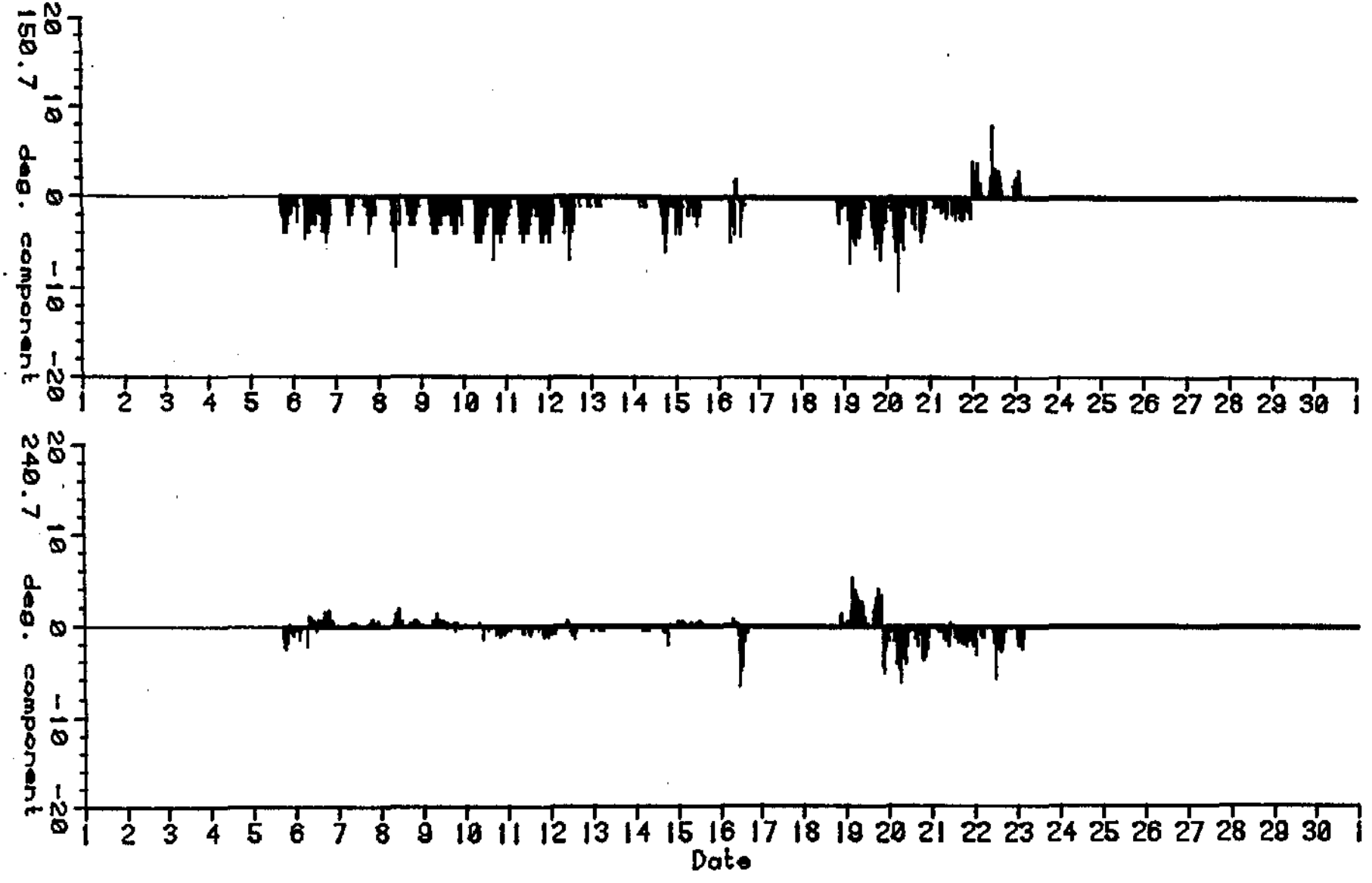


FIGURE D72. COMPONENTS STICK PLOT
POINT THOMSON STATION SP CURRENT
1600, 5 SEPTEMBER TO 2330, 30 SEPTEMBER, 1982
(speeds in cm/sec)

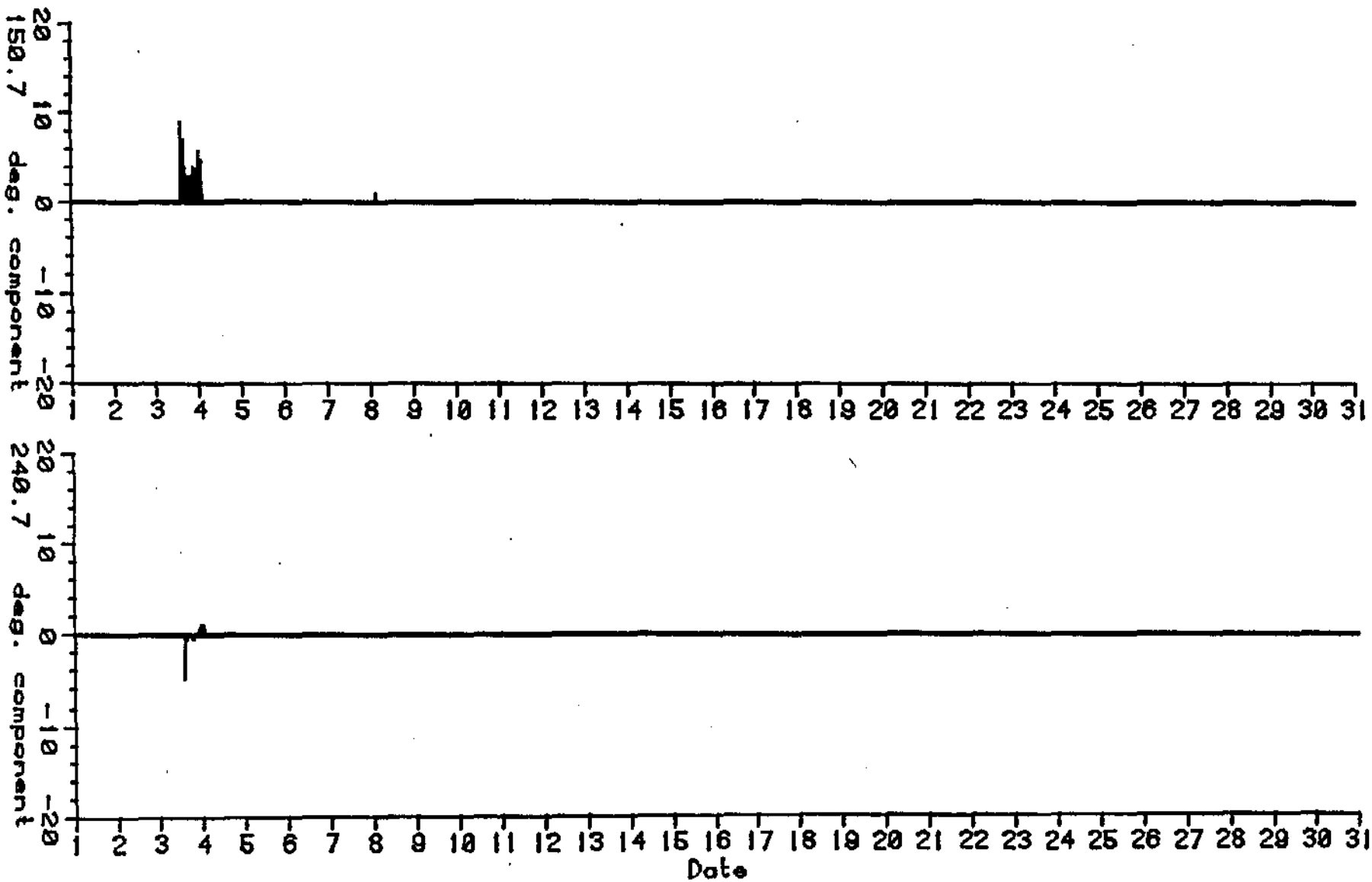


FIGURE D72 COMPONENTS STICK PLOT
POINT THOMSON STATION SP CURRENT
0000, 1 OCTOBER TO 2330, 30 OCTOBER, 1982
(speeds in cm/sec)

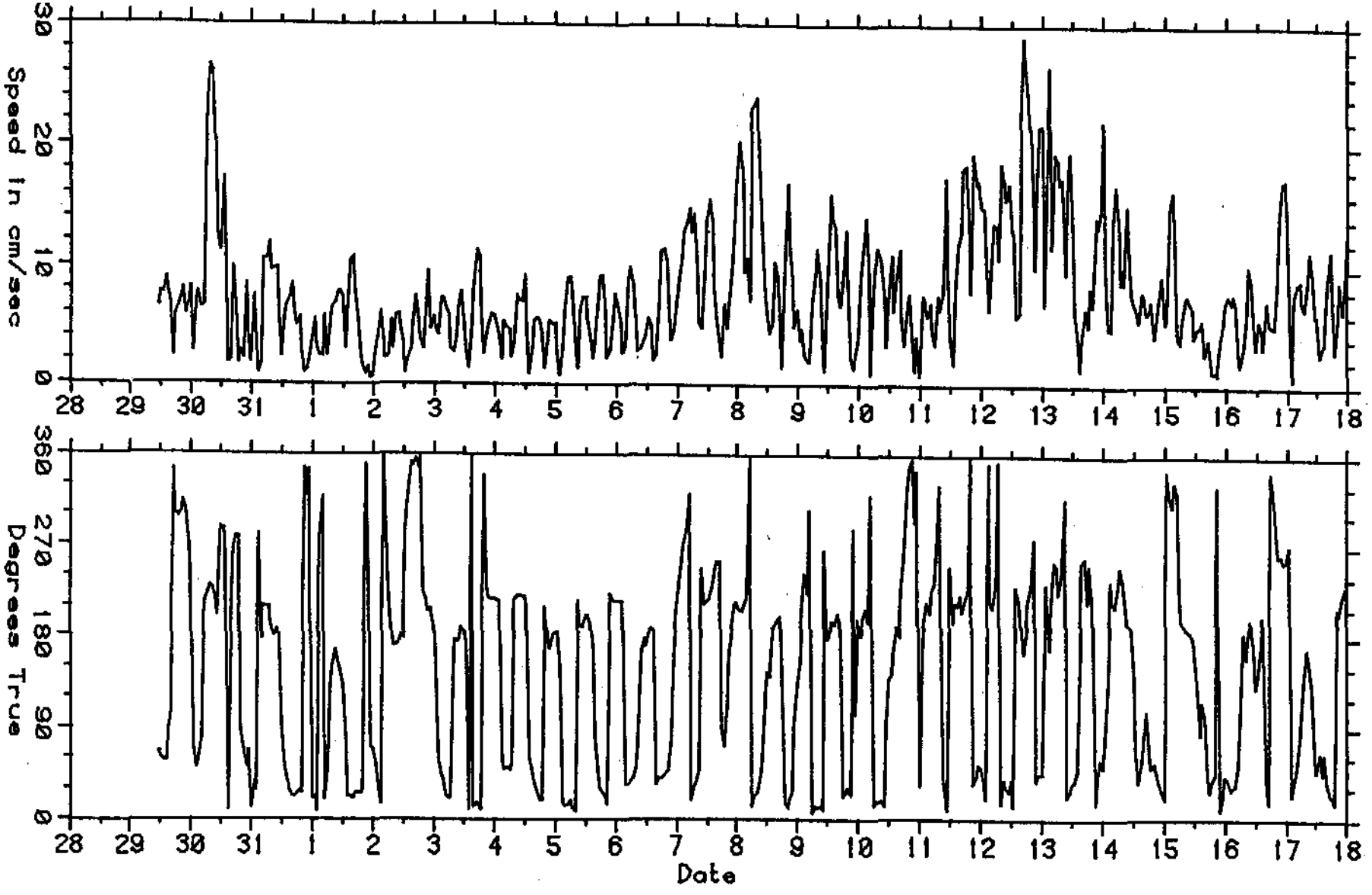


FIGURE D73. SPEED AND DIRECTION DATA
STATION O - DOODSON FILTERED CURRENT - ENDECO #049
1053, 29 JULY TO 2353, 17 AUGUST, 1982

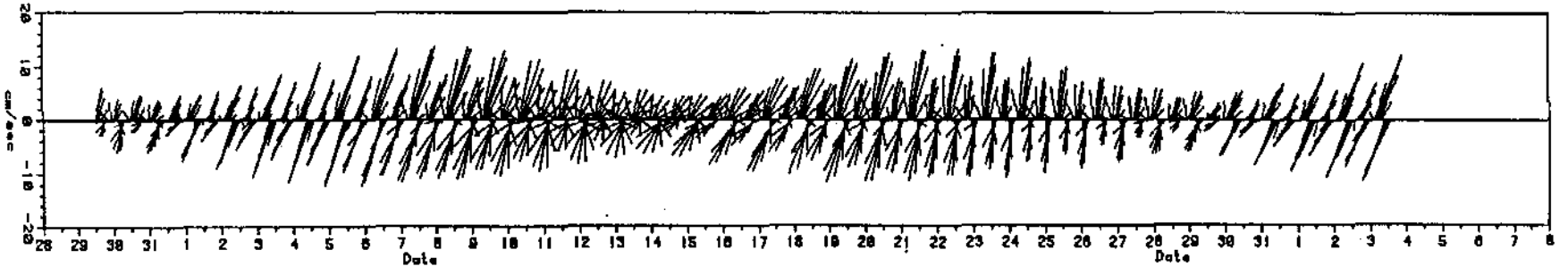


Figure D74. Vector Stick Plot, 1053, 29 July to 1453, 3 September, 1982, Station O; Least-Squares Tidal Current, Endeco #049.

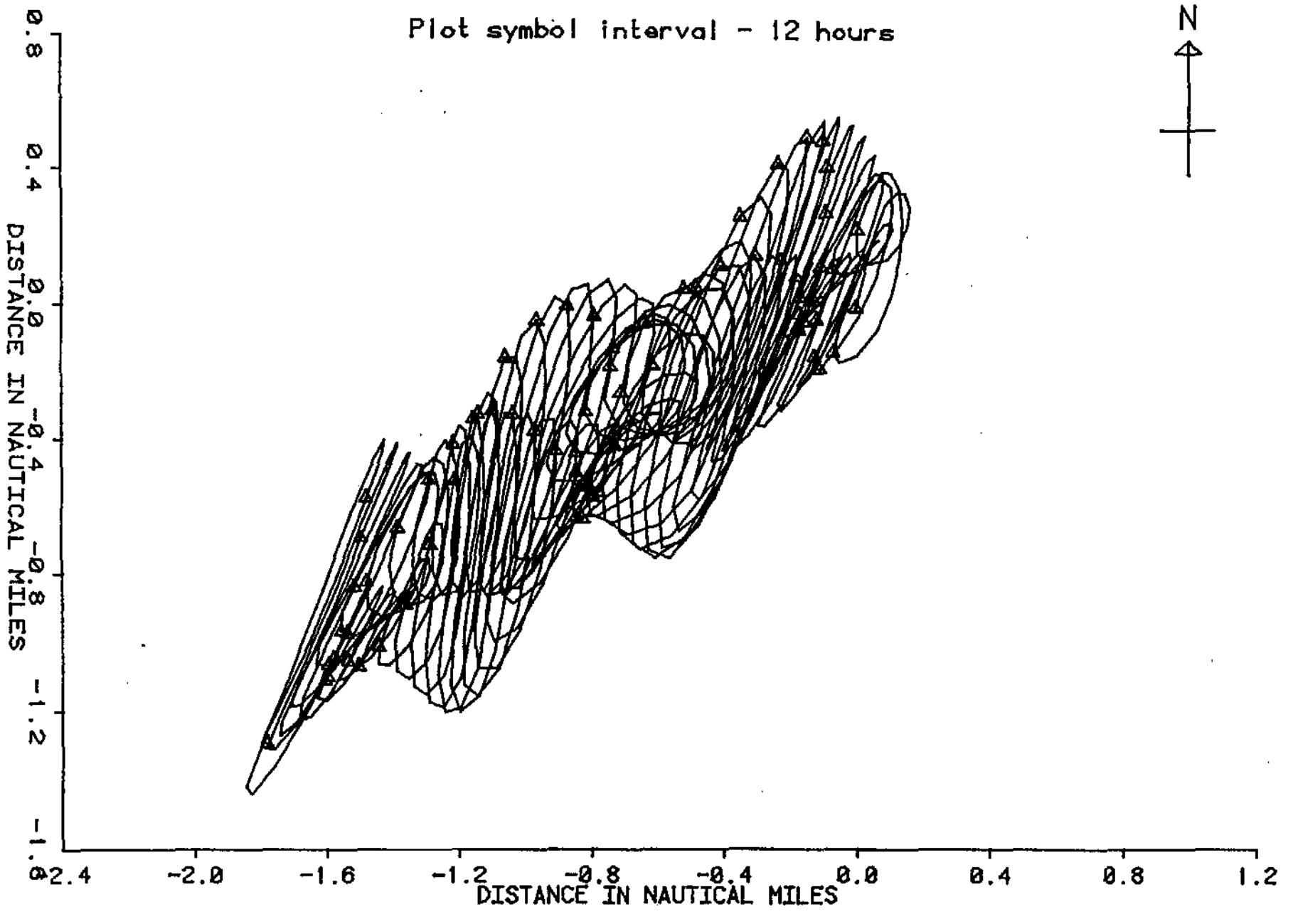


FIGURE D75. PROGRESSIVE VECTOR DIAGRAM
STATION O - LEAST-SQUARES TIDAL CURRENT - ENDECO #049
1053, 29 JULY TO 1453, 3 SEPTEMBER, 1982

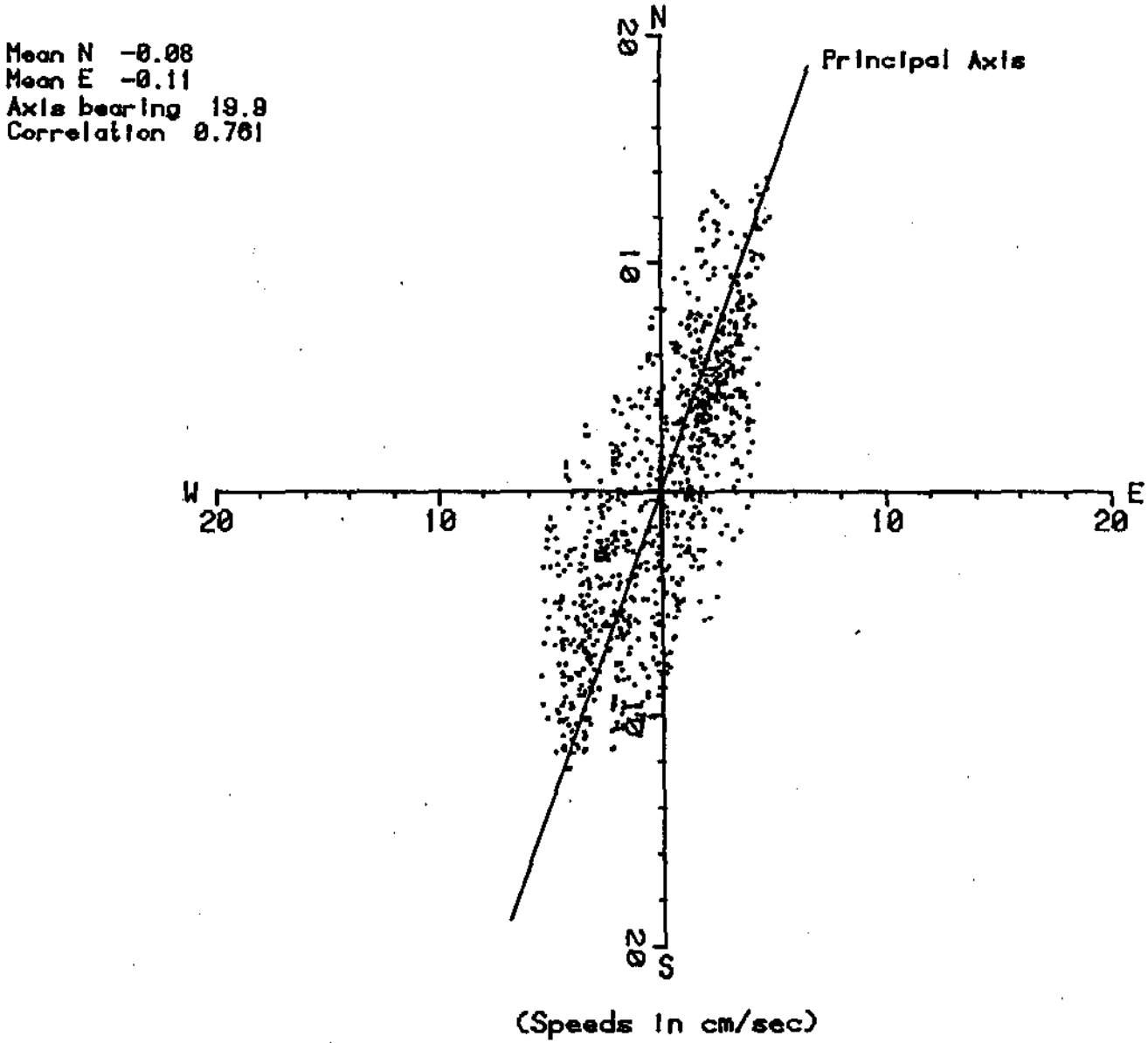


FIGURE D76 . POLAR PLOT - SPEED AND DIRECTION DATA
STATION O - LEAST-SQUARES TIDAL CURRENT - ENDECO #049
1053, 29 JULY TO 1453, 3 SEPTEMBER, 1982

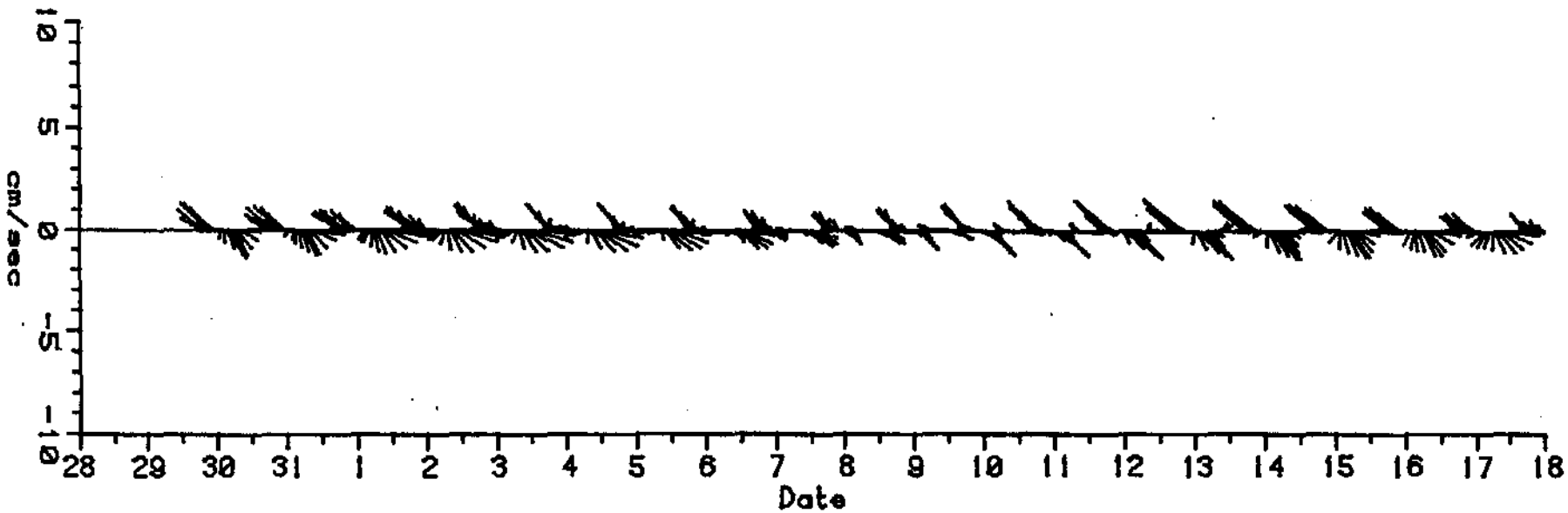


FIGURE D77 VECTOR STICK PLOT
STATION S (TOP) - LEAST-SQUARES TIDAL CURRENT - ENDECO #175
1807, 29 JULY TO 2307, 17 AUGUST, 1982

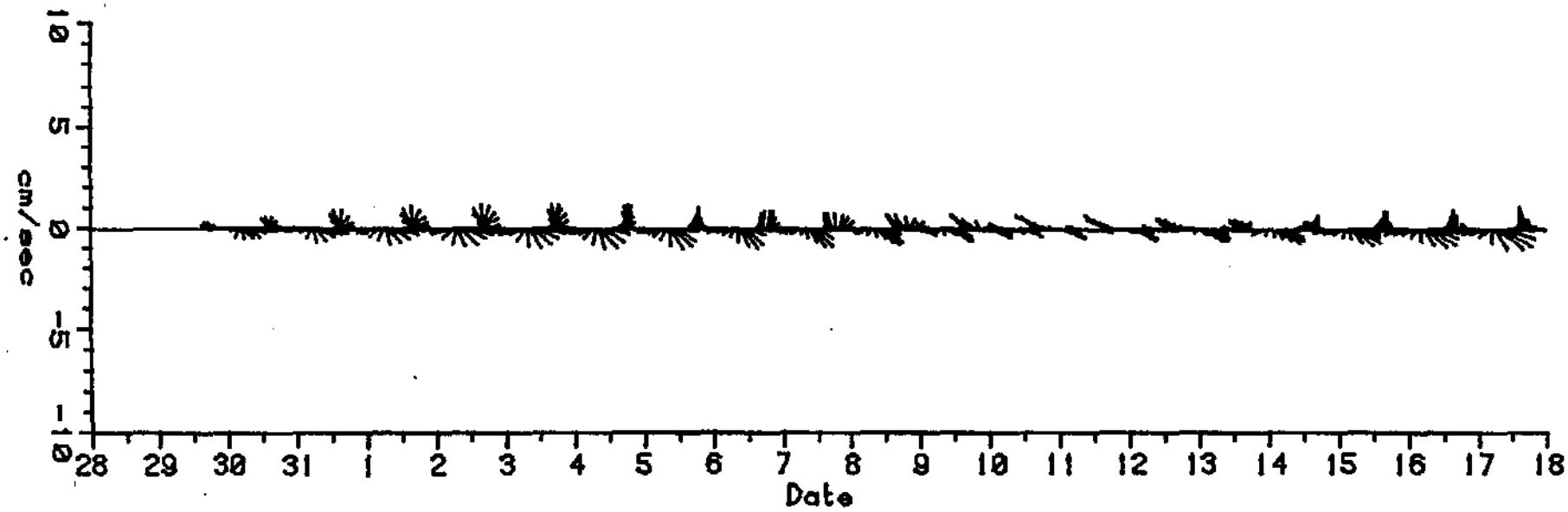


FIGURE D78 VECTOR STICK PLOT
STATION S (BOTTOM) - LEAST-SQUARES TIDAL CURRENT - ENDECO #052
1757, 29 JULY TO 2357, 17 AUGUST, 1982

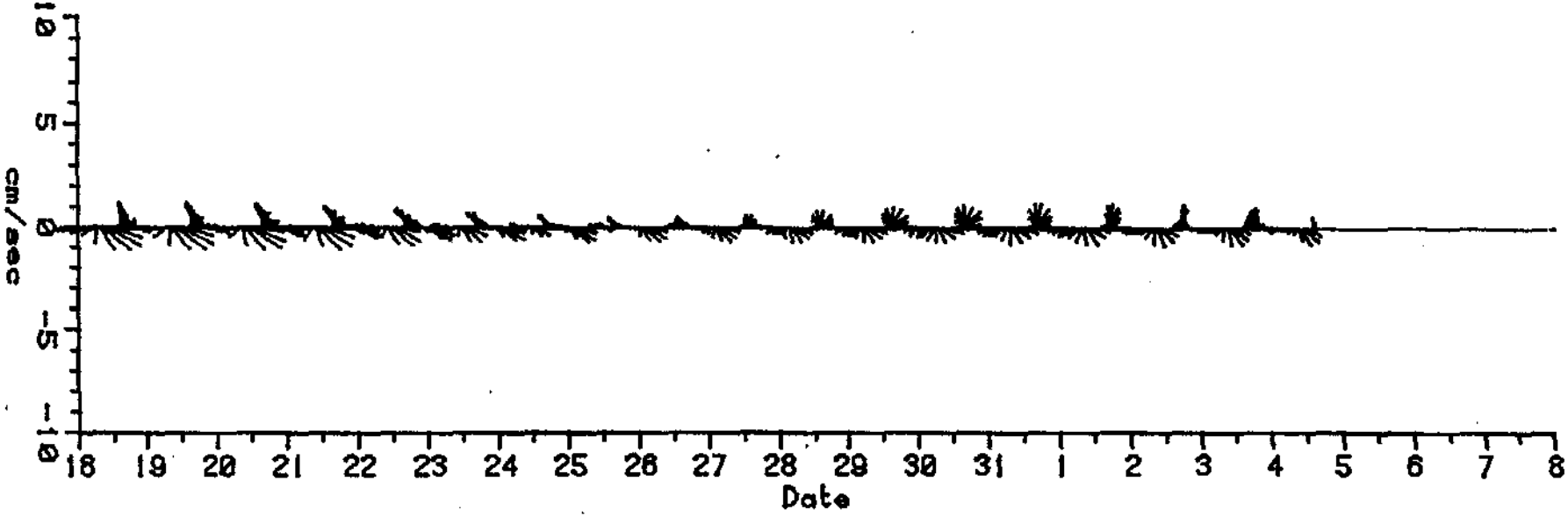


FIGURE D78. VECTOR STICK PLOT
STATION S (BOTTOM) - LEAST-SQUARES TIDAL CURRENT - ENDECO #052
0057, 18 AUGUST TO 1457, 4 SEPTEMBER, 1982

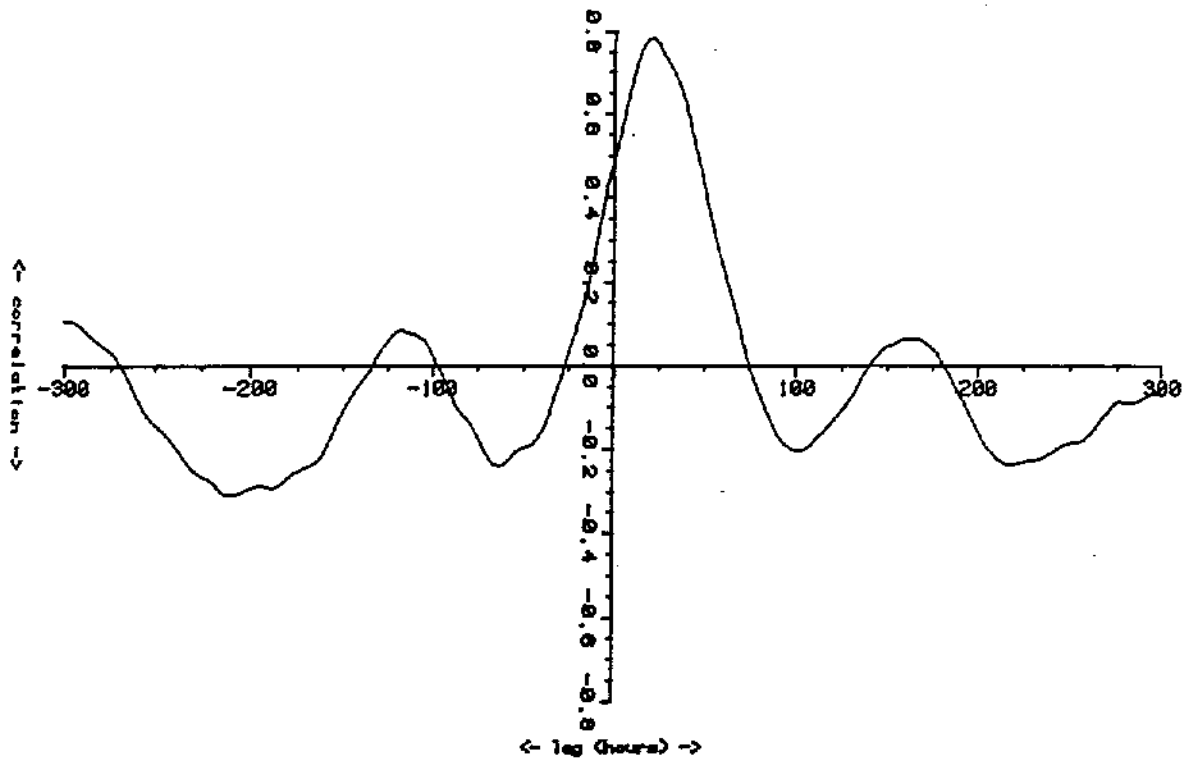


FIGURE D79. CROSS CORRELATIONS
CHALLENGE ISLAND WIND (71 DEG. COMP.) VS. LAGGED PT. THOMSON
STATION Q CURRENT (98 DEG. COMP.) (ΔT=3 HR)
0233, 1 AUGUST TO 1733, 2 SEPTEMBER, 1982

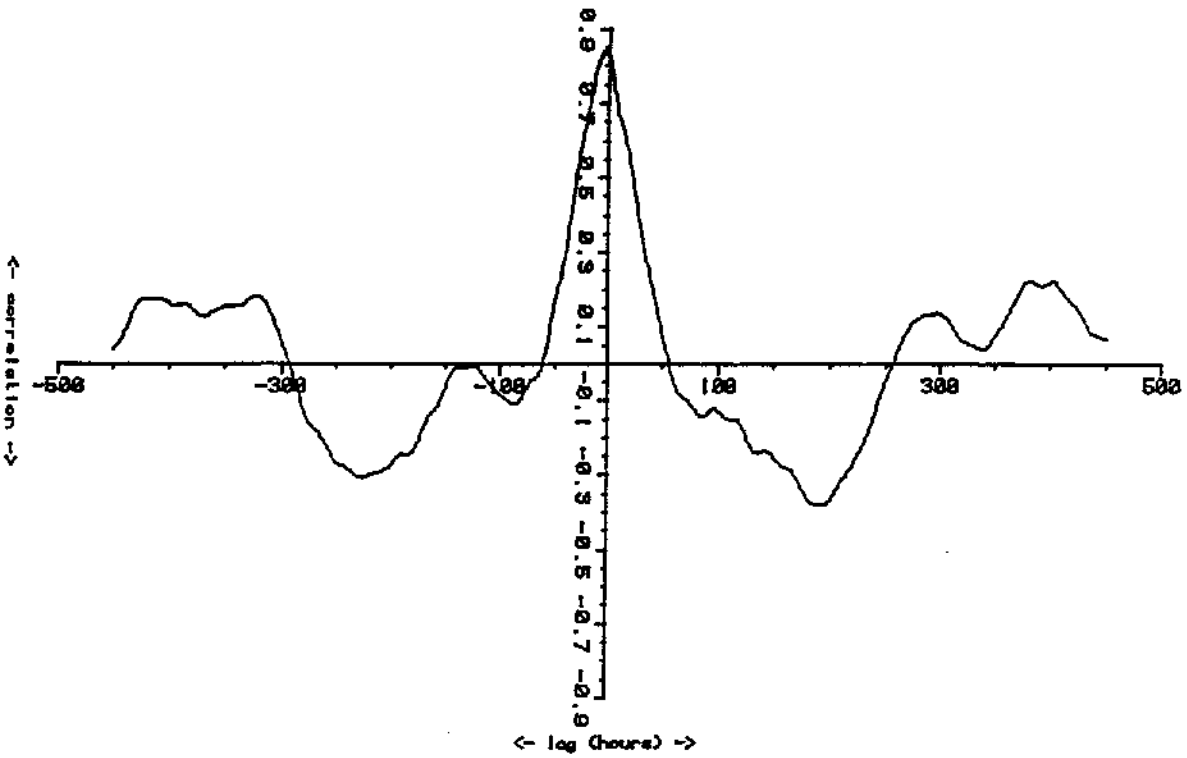


FIGURE D80. CROSS CORRELATIONS
CHALLENGE ISLAND WIND (72 DEG. COMP.) VS. LAGGED PT. THOMSON
STATION E CURRENT (72 DEG. COMP.) (ΔT=3 HR)
2115, 29 JULY TO 1814, 2 SEPTEMBER, 1982

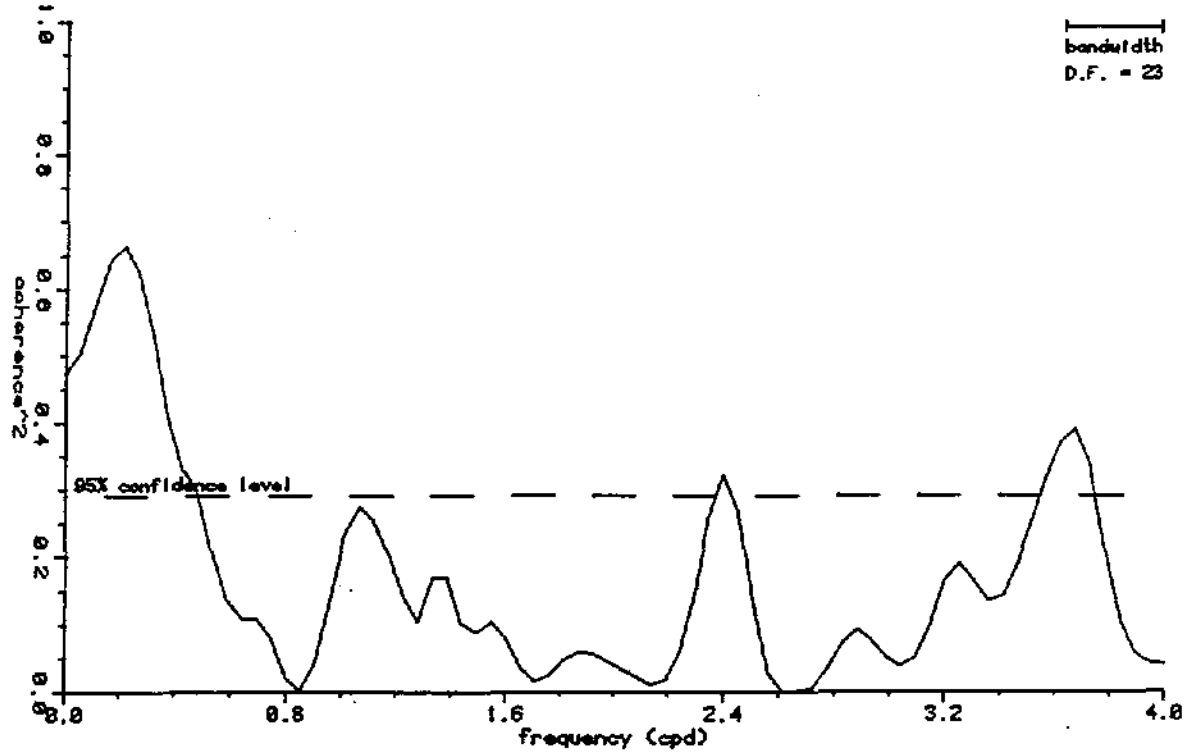


FIGURE D81. SQUARED COHERENCE SPECTRUM
CHALLENGE ISLAND WIND (71 DEG. COMP.) VS. LAGGED PT. THOMSON
STATION Q CURRENT (89 DEG. COMP.) (ΔT=3 HR)
0233, 1 AUGUST, TO 1733, 2 SEPTEMBER, 1982

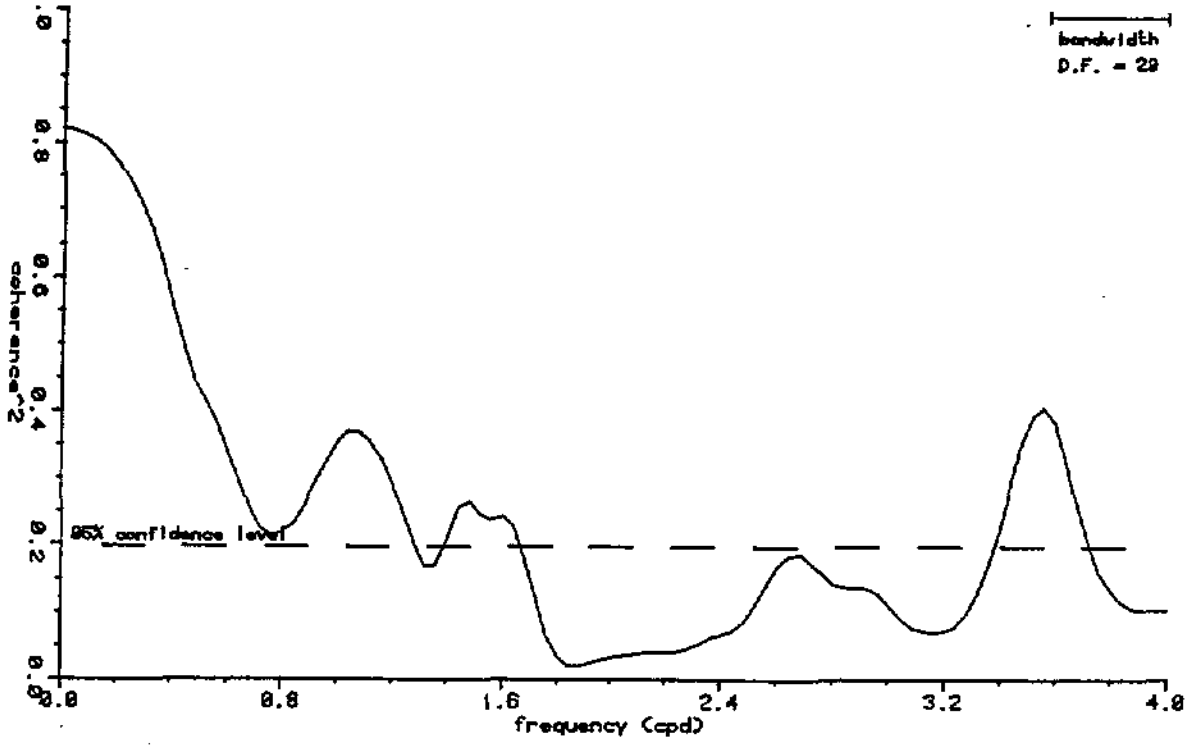


FIGURE D82. SQUARED COHERENCE SPECTRUM
CHALLENGE ISLAND WIND (72 DEG. COMP.) VS. LAGGED PT. THOMSON
STATION E CURRENT (72 DEG. COMP.) (ΔT=3 HR)
2115, 29 JULY TO 1815, 2 SEPTEMBER, 1982

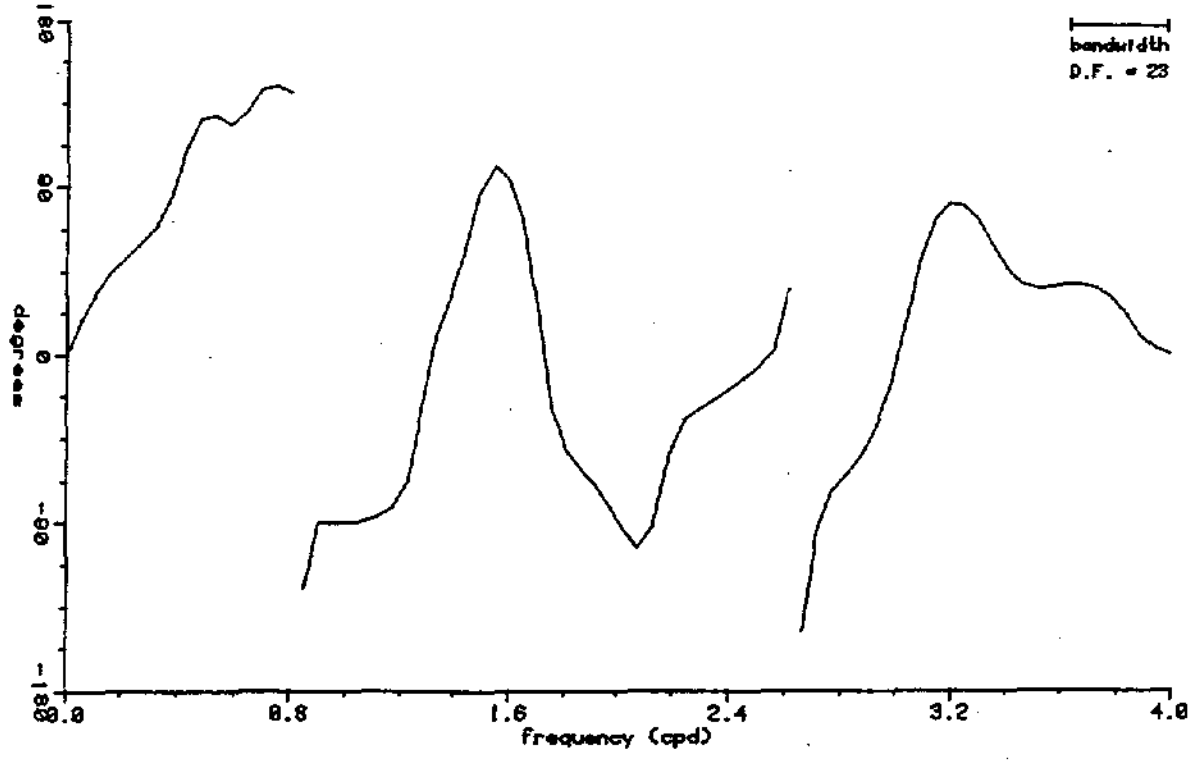


FIGURE D83. PHASE SPECTRUM
CHALLENGE ISLAND WIND (71 DEG. COMP.) VS. LAGGED PT. THOMSON
STATION 0 CURRENT (89 DEG. COMP.) (ΔT=3 HR)
0233, 1 AUGUST, TO 1733, 2 SEPTEMBER, 1982

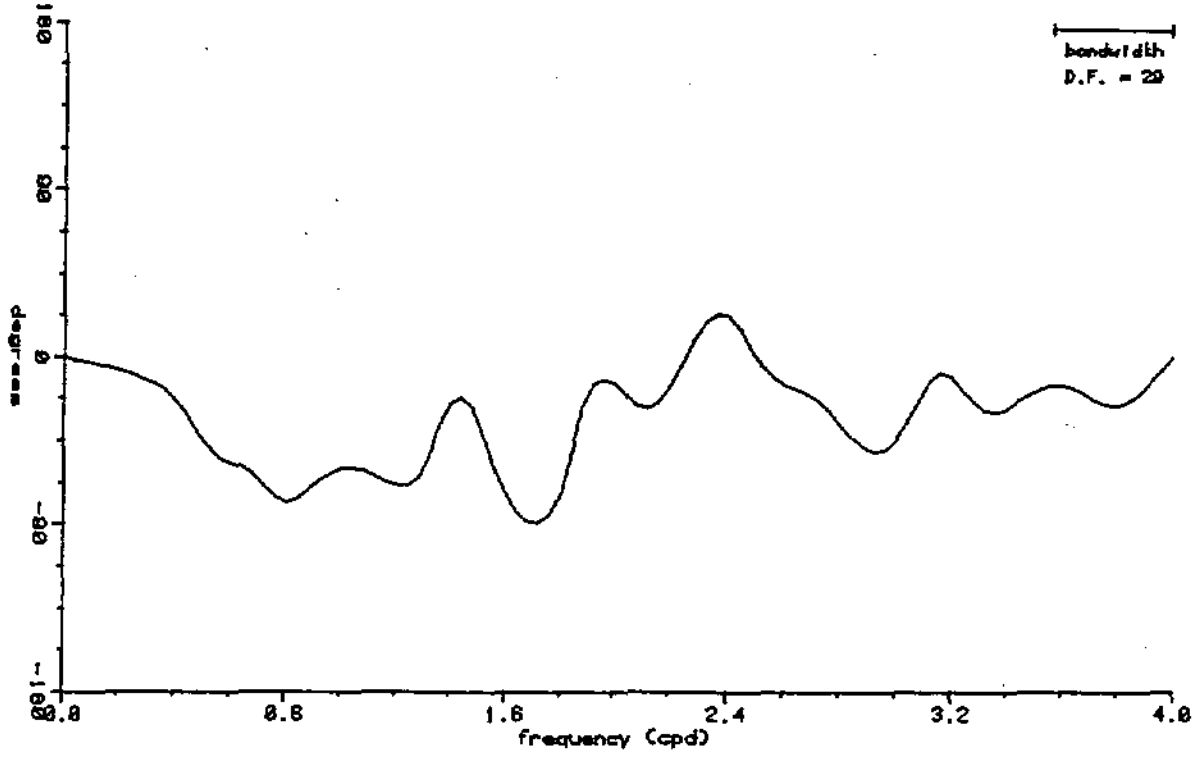


FIGURE D84. PHASE SPECTRUM
CHALLENGE ISLAND WIND (72 DEG. COMP.) VS. LAGGED PT. THOMSON
STATION E CURRENT (72 DEG. COMP.) (ΔT=3 HR)
2115, 29 JULY TO 1814, 2 SEPTEMBER, 1982

TABLE D1

CURRENT SPEED PERSISTENCE - PT. THOMSON STATON E - ENDECO #232
2109, 29 JULY TO 0754, 4 SEPTEMBER, 1982

PERCENT DURATION

HOURS,DAYS DURATION

cm/s	>6h	>12h	>18h	>24h	>30h	>36h	>2d	>4d	>6d	>8d	>10d	>12d	TOTAL SAMPLES
>5	86.7	78.3	71.4	65.1	58.9	52.5	45.0	20.2	10.3	3.6			9747
>10	81.2	63.2	56.3	46.8	38.1	30.8	19.8	5.6					8003
>15	63.4	46.1	31.6	21.9	15.3	9.6	2.8						6485
>20	27.5	7.4	1.2										4139
>25	12.8												1724
>30	7.5												783
>35													296
>40													130
>45													25
>50													0
>55													0
>60													0

largest screened value = 48 cm/s
total time period spanned (hours) = 874.75
sample interval (hours) = .833333E-1
total possible samples = 10498
actual samples = 10492

TABLE D2

CURRENT SPEED PERSISTENCE - PT. THOMSON STATION 0 - ENDECO #049
1525, 28 JULY TO 1035, 4 SEPTEMBER, 1982

PERCENT DURATION

HOURS,DAYS DURATION

cm/s	>6h	>12h	>18h	>24h	>30h	>36h	>2d	>4d	>6d	>8d	>10d	>12d	TOTAL SAMPLES
>5	79.2	65.6	56.5	48.7	43.1	37.7	29.7	12.3	6.4				10281
>10	56.7	35.0	26.1	20.3	15.3	10.8	5.7						8622
>15	34.0	12.2	4.1										6604
>20	13.0	2.1	0.5										4503
>25	7.7												2440
>30	5.1												1469
>35	0.7												752
>40	0.3												376
>45													181
>50													72
>55													36
>60													16

largest screened value = 65 cm/s
total time period spanned (hours) = 907.167
sample interval (hours) = .833333E-1
total possible samples = 10887
actual samples = 10887

TABLE D3

CURRENT SPEED PERSISTENCE - PT. THOMSON STATION P - ENDECO =048
1532, 29 JULY TO 0922, 4 SEPTEMBER, 1982

PERCENT DURATION

HOURS, DAYS DURATION

cm/s	>6h	>12h	>18h	>24h	>30h	>36h	>2d	>4d	>6d	>8d	>10d	>12d	TOTAL SAMPLES
>5	84.0	72.8	64.4	58.1	52.6	47.2	37.4	13.4					10044
>10	76.0	65.3	58.4	52.1	46.7	41.2	32.2	12.4					9050
>15	70.7	57.1	46.5	39.4	33.8	28.5	21.1	1.8					7824
>20	64.4	45.8	32.8	25.0	20.8	16.4	10.3						6584
>25	52.2	34.5	25.6	21.3	17.2	14.1	8.7						5317
>30	44.8	31.1	25.8	20.5	15.2	11.7	7.1						4061
>35	45.5	33.8	26.7	19.5	13.1	9.5	4.8						3028
>40	43.6	27.1	17.3	11.1	6.3	3.2							2308
>45	40.9	24.0	15.1	6.2									1618
>50	30.4	13.4	1.4										1134
>55	24.0	6.3											751
>60	13.6												450

largest screened value 75 cm/s
total time period spanned hours 881.833
sample interval hours .833333E-1
total possible samples 10583
actual samples 10577

TABLE D4

CURRENT SPEED PERSISTENCE - PT. THOMSON STATION S TOP - ENDECO =175
2239, 28 JULY TO 1044, 5 SEPTEMBER, 1982

PERCENT DURATION

HOURS, DAYS DURATION

cm/s	>6h	>12h	>18h	>24h	>30h	>36h	>2d	>4d	>6d	>8d	>10d	>12d	TOTAL SAMPLES
>5	39.5	20.2	12.7	10.0	7.7	6.4	3.8						5617
>10	6.2												1675
>15													205
>20													10
>25													1
>30													1
>35													1
>40													1
>45													1
>50													1
>55													0
>60													0

largest screened value 53 cm/s
total time period spanned hours 924.083
sample interval hours .833333E-1
total possible samples 11090
actual samples 10968

TABLE D6

CURRENT SPEED PERSISTENCE - PT. THOMSON STATION Q - ENDECO #047
0215, 1 AUGUST TO 1300, 3 SEPTEMBER, 1982

PERCENT DURATION

HOURS,DAYS DURATION

cm/s	>6h	>12h	>18h	>24h	>30h	>36h	>2d	>4d	>6d	>8d	>10d	>12d	TOTAL SAMPLES
>5	68.0	54.4	45.5	37.8	30.4	25.3	19.0	3.7					5622
>10	53.9	39.9	30.0	23.1	16.2	9.7	2.8						3127
>15	42.0	21.9	11.1	3.1									1791
>20	21.7	6.8											784
>25													254
>30													88
>35													38
>40													12
>45													2
>50													1
>55													1
>60													0

largest screened value = 57 cm/s
total time period spanned (hours) = 802.75
sample interval (hours) = .833333E-1
total possible samples = 9634
actual samples = 9628

TABLE D7

CURRENT SPEED PERSISTENCE - PT. THOMSON STATION D
1810, 27 JULY TO 0940, 3 SEPTEMBER, 1982

PERCENT DURATION

HOURS,DAYS DURATION

cm/s	>3h	>6h	>12h	>18h	>24h	>36h	>2d	>4d	>6d	>8d	>10d	>12d	TOTAL SAMPLES
>5	86.3	78.1	65.8	56.4	47.2	30.1	21.5	11.9	5.8				1667
>10	73.3	57.4	36.9	24.4	17.6	6.3	1.8						1395
>15	47.0	24.7	6.2	0.4									804
>20	36.7	15.5	2.1										528
>25	23.8	6.4											265
>30	21.4	6.8											117
>35	3.6												28
>40													6
>45													1
>50													0
>55													0
>60													0

largest screened value = 47.6 cm/s
total time period spanned (hours) = 904
sample interval (hours) = .5
total possible samples = 1809
actual samples = 1791

TABLE D8

CURRENT SPEED PERSISTENCE - PT. THOMSON STATION T
2020, 28 JULY TO 0950, 5 SEPTEMBER, 1982

PERCENT DURATION

HOURS,DAYS DURATION

cm/s	>3h	>6h	>12h	>18h	>24h	>36h	>2d	>4d	>6d	>8d	>10d	>12d	TOTAL SAMPLES
>5	82.9	71.3	53.3	40.9	32.8	22.9	18.3	8.7	2.5				1698
>10	58.5	43.8	29.8	23.6	19.8	13.4	8.9						1089
>15	2.9												104
>20													25
>25													3
>30													1
>35													1
>40													0
>45													0
>50													0
>55													0
>60													0

largest screened value = 37 cm/s
total time period spanned (hours) = 926
sample interval (hours) = .5
total possible samples = 1853
actual samples = 1846

TABLE D9

CURRENT SPEED PERSISTENCE - PT. THOMSON STATION SP
1600, 5 SEPTEMBER TO 1230, 15 NOVEMBER, 1982

PERCENT DURATION

HOURS,DAYS DURATION

cm/sec	>3h	>6h	>12h	>18h	>24h	>36h	>2d	>4d	>6d	>8d	>10d	>12d	TOTAL SAMPLES
>5	8.1												62
>10													3
>15													0
>20													0
>25													0
>30													0
>35													0
>40													0
>45													0
>50													0
>55													0
>60													0

largest screened value = 12 cm/sec
total time period spanned (hours) = 1701
sample interval (hours) = .5
total possible samples = 3403
actual samples = 3401

TABLE D10

STATIONE - 1/2 MB. AVERAGE CURRENT - ENDECO #232
2122, 29 JULY TO 0722, 3 SEPTEMBER, 1982

Frequencies:

Bearing Range	Speed Range (cm/sec) 0.00 5.00	5.00 10.00	10.00 15.00	15.00 20.00	20.00 25.00	25.00 30.00	30.00 35.00	35.00 40.00	40.00 45.00	45.00 50.00	50.00 55.00	55.00 60.00	> 60.00	total
0 30	14	14	1	1	1	0	0	0	0	0	0	0	0	31
30- 60	12	53	28	38	33	7	1	0	0	0	0	0	0	172
60- 90	12	66	47	127	129	51	56	15	7	0	0	0	0	510
90-120	5	7	5	14	7	4	2	0	0	0	0	0	0	44
120-150	7	4	0	0	0	0	0	0	0	0	0	0	0	11
150-180	7	3	0	0	0	0	0	0	0	0	0	0	0	10
180-210	7	14	1	0	0	0	0	0	0	0	0	0	0	22
210-240	11	33	14	11	26	2	2	0	0	0	0	0	0	99
240-270	38	68	125	187	170	81	13	9	11	2	0	0	0	704
270-300	9	35	35	21	5	2	0	0	0	0	0	0	0	107
300-330	14	12	1	0	0	0	0	0	0	0	0	0	0	27
330-360	8	4	0	0	0	0	0	0	0	0	0	0	0	12
total	144	313	257	399	371	147	74	24	18	2	0	0	0	1749

Percentages:

Bearing Range	Speed Range (cm/sec) 0.00 5.00	5.00 10.00	10.00 15.00	15.00 20.00	20.00 25.00	25.00 30.00	30.00 35.00	35.00 40.00	40.00 45.00	45.00 50.00	50.00 55.00	55.00 60.00	> 60.00	total
0 30	0.8	0.8	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
30- 60	0.7	3.0	1.6	2.2	1.9	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	9.8
60- 90	0.7	3.8	2.7	7.3	7.4	2.9	3.2	0.9	0.4	0.0	0.0	0.0	0.0	29.2
90-120	0.3	0.4	0.3	0.8	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	2.5
120-150	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
150-180	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
180-210	0.4	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
210-240	0.6	1.9	0.8	0.6	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	5.7
240-270	2.2	3.9	7.1	10.7	9.7	4.6	0.7	0.5	0.6	0.1	0.0	0.0	0.0	40.3
270-300	0.5	2.0	2.0	1.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1
300-330	0.3	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
330-360	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
total	8.2	17.9	14.7	22.8	21.2	8.4	4.2	1.4	1.0	0.1	0.0	0.0	0.0	100.0

Largest screened speed = 46.15 cm/sec
total time period spanned (hours) = 874
Sample interval (hours) = .5
Total possible observations = 1749
Actual observations = 1749

TABLE D11

STATION 0 - 1/2 HR. AVERAGE CURRENT - ENDECO #049
1538, 28 JULY TO 1008, 4 SEPTEMBER, 1982

Frequencies:

Bearing Range	Speed Range (cm/sec) 0.00 5.00	5.00 10.00	10.00 15.00	15.00 20.00	20.00 25.00	25.00 30.00	30.00 35.00	35.00 40.00	40.00 45.00	45.00 50.00	50.00 55.00	55.00 60.00	> 60.00	total
0 30	12	18	16	7	9	2	0	0	0	0	0	0	0	64
30- 60	34	57	91	160	103	22	0	0	0	0	0	0	0	467
60- 90	13	80	73	31	5	1	2	0	0	0	0	0	0	205
90-120	1	14	11	13	6	1	0	0	0	0	0	0	0	46
120-150	2	11	4	7	4	1	0	0	0	0	0	0	0	29
150-180	1	16	5	0	0	0	0	0	0	0	0	0	0	22
180-210	2	14	20	7	16	35	19	9	1	3	0	0	0	125
210-240	8	16	43	70	99	61	53	25	15	9	2	4	2	407
240-270	20	10	27	38	36	28	42	12	8	5	0	0	0	226
270-300	5	15	16	18	14	8	0	3	0	0	0	0	0	79
300-330	11	23	32	9	3	0	1	2	2	0	0	0	0	83
330-360	12	13	13	13	10	0	0	0	0	0	0	0	0	61
total	121	287	351	373	305	159	117	50	26	17	2	4	2	1814

Percentages:

Bearing Range	Speed Range (cm/sec) 0.00 5.00	5.00 10.00	10.00 15.00	15.00 20.00	20.00 25.00	25.00 30.00	30.00 35.00	35.00 40.00	40.00 45.00	45.00 50.00	50.00 55.00	55.00 60.00	> 60.00	total
0 30	0.7	1.0	0.9	0.4	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5
30- 60	1.9	3.1	5.0	8.8	5.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.7
60- 90	0.7	4.4	4.0	1.7	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	11.3
90-120	0.1	0.8	0.6	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
120-150	0.1	0.6	0.2	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
150-180	0.1	0.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
180-210	0.1	0.8	1.1	0.4	0.9	1.9	1.0	0.4	0.1	0.2	0.0	0.0	0.0	6.9
210-240	0.4	0.9	2.4	3.9	5.5	3.4	2.9	1.4	0.8	0.5	0.1	0.2	0.1	22.4
240-270	1.1	0.6	1.5	2.1	2.0	1.5	2.3	0.7	0.4	0.3	0.0	0.0	0.0	12.5
270-300	0.3	0.8	0.9	1.0	0.8	0.4	0.0	0.2	0.0	0.0	0.0	0.0	0.0	4.4
300-330	0.6	1.3	1.8	0.5	0.2	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	4.6
330-360	0.7	0.7	0.7	0.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
total	6.7	15.8	19.3	20.6	16.8	8.8	6.4	2.8	1.4	0.9	0.1	0.2	0.1	100.0

largest screened speed = 61.06 cm/sec
total time period spanned (hours) = 906.5
sample interval (hours) = .5
total possible observations = 1814
actual observations = 1814

TABLE D 12

STATION P - 1/2 HR. AVERAGE CURRENT - ENDECO #048
1545, 29 JULY TO 0845, 4 SEPTEMBER, 1982

Frequencies:

Bearing Range	Speed Range (cm/sec) 0.00 5.00	5.00 10.00	10.00 15.00	15.00 20.00	20.00 25.00	25.00 30.00	30.00 35.00	35.00 40.00	40.00 45.00	45.00 50.00	50.00 55.00	55.00 60.00	> 60.00	total
0 30	11	3	0	0	0	0	0	0	0	0	0	0	0	14
30- 60	14	11	19	3	1	0	0	0	0	0	0	0	0	48
60- 90	12	35	33	54	47	47	27	25	21	14	12	2	2	331
90-120	4	10	19	21	37	40	40	38	38	10	6	5	11	275
120-150	6	9	3	4	0	0	3	1	0	0	0	0	0	26
150-180	10	9	17	8	0	0	0	0	0	0	0	0	0	44
180-210	5	6	2	0	0	0	0	0	0	0	0	0	0	13
210-240	12	22	14	7	3	0	0	0	0	0	0	0	0	58
240-270	17	49	68	56	63	77	43	11	15	23	13	7	6	448
270-300	8	14	25	49	54	56	54	42	42	31	33	30	51	489
300-330	2	1	1	4	0	1	0	0	0	0	0	0	0	9
330-360	7	9	1	0	0	0	0	0	0	0	0	0	0	17
total	108	173	202	202	205	221	167	113	116	78	64	44	70	1763

Percentages:

Bearing Range	Speed Range (cm/sec) 0.00 5.00	5.00 10.00	10.00 15.00	15.00 20.00	20.00 25.00	25.00 30.00	30.00 35.00	35.00 40.00	40.00 45.00	45.00 50.00	50.00 55.00	55.00 60.00	> 60.00	total
0 30	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
30- 60	0.8	0.6	1.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
60- 90	0.7	2.0	1.9	3.1	2.7	2.7	1.5	1.4	1.2	0.8	0.7	0.1	0.1	18.8
90-120	0.2	0.6	1.1	1.2	2.1	2.3	2.3	1.9	2.2	0.6	0.3	0.3	0.6	15.6
120-150	0.3	0.5	0.2	0.2	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.5
150-180	0.6	0.5	1.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
180-210	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
210-240	0.7	1.2	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
240-270	1.0	2.8	3.9	3.2	3.6	4.4	2.4	0.6	0.9	1.3	0.7	0.4	0.3	25.4
270-300	0.5	0.8	1.4	2.8	3.1	3.2	3.1	2.4	2.4	1.8	1.9	1.7	2.9	27.7
300-330	0.1	0.1	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
330-360	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
total	6.1	9.8	11.5	11.5	11.6	12.5	9.5	6.4	6.6	4.4	3.6	2.5	4.0	100.0

largest screened speed = 71.24 cm/sec
total time period spanned (hours) = 881
sample interval (hours) = .5
total possible observations = 1763
actual observations = 1763

TABLE 13

STATION 5 (TOP) - 1/2 HR. AVERAGE CURRENT - ENDECO #175
2252, 28 JULY TO 1022, 4 SEPTEMBER, 1982

Frequencies:

Bearing Range	Speed Range (cm/sec) 0.00 5.00	5.00 10.00	10.00 15.00	15.00 20.00	20.00 25.00	25.00 30.00	30.00 35.00	35.00 40.00	40.00 45.00	45.00 50.00	50.00 55.00	55.00 60.00	> 60.00	total
0 30	36	1	0	0	0	0	0	0	0	0	0	0	0	37
30- 60	45	11	0	0	0	0	0	0	0	0	0	0	0	56
60- 90	40	22	14	0	0	0	0	0	0	0	0	0	0	76
90-120	136	198	90	18	1	0	0	0	0	0	0	0	0	443
120-150	75	44	20	0	0	0	0	0	0	0	0	0	0	139
150-180	22	4	0	0	0	0	0	0	0	0	0	0	0	26
180-210	24	5	0	0	0	0	0	0	0	0	0	0	0	29
210-240	49	2	0	0	0	0	0	0	0	0	0	0	0	51
240-270	257	28	8	0	0	0	0	0	0	0	0	0	0	293
270-300	122	108	6	3	0	0	0	0	0	0	0	0	0	239
300-330	158	198	44	1	0	0	0	0	0	0	0	0	0	401
330-360	50	7	0	0	0	0	0	0	0	0	0	0	0	57
total	1014	628	182	22	1	0	0	0	0	0	0	0	0	1847

Percentages:

Bearing Range	Speed Range (cm/sec) 0.00 5.00	5.00 10.00	10.00 15.00	15.00 20.00	20.00 25.00	25.00 30.00	30.00 35.00	35.00 40.00	40.00 45.00	45.00 50.00	50.00 55.00	55.00 60.00	> 60.00	total
0 30	1.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
30- 60	2.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
60- 90	2.2	1.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1
90-120	7.4	10.7	4.9	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.0
120-150	4.1	2.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5
150-180	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
180-210	1.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
210-240	2.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
240-270	13.9	1.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.9
270-300	6.6	5.8	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.9
300-330	8.6	10.7	2.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.7
330-360	2.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
total	54.9	34.0	9.9	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0

largest screened speed = 20.45 cm/sec
total time period spanned (hours) = 923.5
sample interval (hours) = .5
total possible observations = 1848
actual observations = 1847

TABLE D14

STATION S (BOTTOM) - 1/2 HR. AVERAGE CURRENT - ENDECO #052
2242, 28 JULY TO 1012, 5 SEPTEMBER, 1982

Row Percents:

Bearing Range	Speed Range (cm/sec) 0.00 5.00	5.00 10.00	10.00 15.00	15.00 20.00	20.00 25.00	25.00 30.00	30.00 35.00	35.00 40.00	40.00 45.00	45.00 50.00	50.00 55.00	55.00 60.00	> 60.00	total
0 30	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
30- 60	76.5	23.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
60- 90	52.9	23.5	23.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
90-120	23.5	56.9	13.7	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
120-150	33.1	50.7	15.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
150-180	94.4	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
180-210	59.1	40.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
210-240	61.2	38.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
240-270	82.9	13.9	3.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
270-300	35.3	61.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
300-330	82.0	13.8	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
330-360	90.4	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
total	60.3	32.6	6.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0

Column Percents:

Bearing Range	Speed Range (cm/sec) 0.00 5.00	5.00 10.00	10.00 15.00	15.00 20.00	20.00 25.00	25.00 30.00	30.00 35.00	35.00 40.00	40.00 45.00	45.00 50.00	50.00 55.00	55.00 60.00	> 60.00	total
0 30	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
30- 60	1.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
60- 90	1.6	1.3	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
90-120	3.2	14.4	18.1	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3
120-150	10.8	30.5	48.3	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.6
150-180	6.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
180-210	1.2	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
210-240	2.7	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
240-270	49.6	15.4	17.2	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.1
270-300	9.1	28.5	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.3
300-330	3.0	3.0	1.7	13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6
330-360	4.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
total	100.0	100.0	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0

largest screened speed = 18.78 cm/sec
total time period spanned (hours) = 923.5
sample interval (hours) = .5
total possible observations = 1848
actual observations = 1948

TABLE D15

STATION Q - 1/2 HR. AVERAGE CURRENT - ENDECO 8047
0220, 1 AUGUST TO 1220, 3 SEPTEMBER, 1982

Frequencies:

Bearing Range	Speed Range (cm/sec) 0.00 5.00	5.00 10.00	10.00 15.00	15.00 20.00	20.00 25.00	25.00 30.00	30.00 35.00	35.00 40.00	40.00 45.00	45.00 50.00	50.00 55.00	55.00 60.00	> 60.00	total
0 30	8	0	0	0	0	0	0	0	0	0	0	0	0	8
30- 60	18	0	0	0	0	0	0	0	0	0	0	0	0	18
60- 90	19	17	4	11	1	0	0	0	0	0	0	0	0	52
90-120	91	184	120	82	56	21	5	1	1	0	0	0	0	561
120-150	23	36	26	16	3	3	3	2	0	0	0	0	0	112
150-180	12	2	1	0	0	0	0	0	0	0	0	0	0	15
180-210	9	4	0	0	0	0	0	0	0	0	0	0	0	13
210-240	15	7	0	0	0	0	0	0	0	0	0	0	0	22
240-270	418	57	29	50	18	1	0	0	0	0	0	0	0	573
270-300	93	86	24	0	0	0	0	0	0	0	0	0	0	203
300-330	13	4	0	0	0	0	0	0	0	0	0	0	0	22
330-360	6	0	0	0	0	0	0	0	0	0	0	0	0	6
total	730	397	204	159	78	25	8	3	1	0	0	0	0	1605

Percentages:

Bearing Range	Speed Range (cm/sec) 0.00 5.00	5.00 10.00	10.00 15.00	15.00 20.00	20.00 25.00	25.00 30.00	30.00 35.00	35.00 40.00	40.00 45.00	45.00 50.00	50.00 55.00	55.00 60.00	> 60.00	total
0 30	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
30- 60	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
60- 90	1.2	1.1	0.2	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
90-120	5.7	11.5	7.5	5.1	3.5	1.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	35.0
120-150	1.4	2.2	1.6	1.0	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	7.0
150-180	0.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
180-210	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
210-240	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
240-270	26.0	3.6	1.8	3.1	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.7
270-300	5.8	5.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.6
300-330	1.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
330-360	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
total	45.5	24.7	12.7	9.9	4.9	1.6	0.5	0.2	0.1	0.0	0.0	0.0	0.0	100.0

Largest screened speed = 41.12 cm/sec
total time period spanned (hours) = 802
Sample interval (hours) = .5
total possible observations = 1605
actual observations = 1605

Table D16 Harmonic Analysis Tidal Currents.

Pt. Thomson Station O - Mary Sachs Entrance
1053, 29 July to 1453, 3 September 1982.

	Frequency (CPD)	Amplitude (cm/sec)		Phase (degrees)	
		49°Component	139° Component	49°Component	139°Component
O1	0.92954	1.77	1.51	70	240
K1	1.00274	0.46	0.24	296	89
N2	1.89598	1.10	0.57	-115	-107
M2	1.93227	7.36	4.20	34	183
S2	2.00000	2.49	2.36	-130	-299
M4	3.86454	0.60	0.20	-28	-10
M6	5.79682	0.30	0.19	-90	-15

Table D17 Harmonic Analysis Tidal Currents.

Pt. Thomson Station P - Mary Sachs Entrance
1100, 30 July to 1300, 3 September 1982.

	Frequency (CPD)	Amplitude (cm/sec)		Phase (degrees)	
		93°Component	183° Component	93°Component	183°Component
O1	0.92954	0.49	2.32	73	-72
K1	1.00274	1.68	0.83	19	76
N2	1.89598	0.30	0.61	-183	-15
M2	1.93227	2.23	1.72	64	233
S2	2.00000	1.12	1.31	-60	27
M4	3.86454	0.26	0.23	113	89
M6	5.79682	0.22	0.38	-99	-30

Table D18. Harmonic Analysis Tidal Currents.

Pt. Thomson Station S (top) - South of Flaxman Island
1807, 29 July to 1507, 4 September 1982.

	Frequency (CPD)	Amplitude (cm/sec)		Phase (degrees)	
		114°Component	204° Component	114°Component	204°Component
O1	0.92954	0.64	0.17	-202	73
K1	1.00274	0.87	0.52	232	172
N2	1.89598	0.27	0.12	56	-17
M2	1.93227	0.53	0.30	-22	70
S2	2.00000	0.85	0.06	-140	-130
M4	3.86454	0.08	0.17	-58	-12
M6	5.79682	0.07	0.02	-158	-195

Table D19. Harmonic Analysis Tidal Currents.

Pt. Thomson Station S (bottom) - South of Flaxman Island
1807, 29 July to 1507, 4 September 1982.

	Frequency (CPD)	Amplitude (cm/sec)		Phase (degrees)	
		111°Component	201° Component	111°Component	201°Component
O1	0.92954	0.43	0.37	-202	26
K1	1.00274	0.51	0.44	-109	175
N2	1.89598	0.43	0.11	87	-54
M2	1.93227	0.46	0.15	-28	-40
S2	2.00000	0.44	0.12	188	122
M4	3.86454	0.11	0.11	-26	-82
M6	5.79682	0.04	0.02	-100	140

Table D20. Harmonic Analysis Tidal Currents.

Pt. Thomson Station Q - North of Flaxman Island
2143, 1 August to 1643, 2 September 1982.

	Frequency (CPD)	Amplitude (cm/sec)		Phase (degrees)	
		0°Component	90° Component	0°Component	90°Component
O1	0.92954	0.13	0.45	-39	-56
K1	1.00274	0.16	0.49	126	-131
N2	1.89598	0.45	0.52	-146	-12
M2	1.93227	0.53	0.85	-274	-170
S2	2.00000	0.26	0.194	-118	-85
M4	3.86454	0.03	0.08	-262	-35
M6	5.79682	0.03	0.11	-270	-95

Table D21. Harmonic Analysis Tidal Currents;
Pt. Thomson Station E (south of Akunik Island);
1637, 30 July to 1137, 3 September 1982.

	Frequency (CPD)	Amplitude (cm/sec)		Phase (degrees)	
		72° Component	162° Component	72° Component	162° Component
O1	0.92954	1.97	.227	-90	-63
K1	1.00274	1.59	1.004	259	132
N2	1.89598	.038	.216	58	155
M2	1.93227	.696	.986	-204	47
S2	2.00000	.918	.268	-74	216
M4	3.86454	.104	.096	125	185
M6	5.79682	.056	.145	166	16