



**U.S. Army Corps of Engineers  
Baltimore District**

**FINAL**

**Site Investigation  
Fort Monmouth, New Jersey  
Main Post and Charles Wood Areas**

**Site Investigation Report**

**Appendix F  
Ground Penetrating Radar Profiles**

Contract Number DACA31-92-D-0018

Delivery Order 0041/0045/0047

December 1995

*Prepared for:*

U.S. ARMY CORPS OF ENGINEERS  
10 South Howard Street  
Baltimore, Maryland 21201

96P-0048

 **PRINTED ON RECYCLED PAPER**

*Prepared by:*



Roy F. Weston, Inc.  
West Chester,  
Pennsylvania 19380-149

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FTMM\_01.08\_0649\_a





**FINAL**  
**SITE INVESTIGATION**  
**FORT MONMOUTH, NEW JERSEY**  
**MAIN POST AND CHARLES WOOD AREAS**

**APPENDIX F**  
**GROUND PENETRATING RADAR PROFILES**

Prepared For:  
**U.S. ARMY CORPS OF ENGINEERS**  
Baltimore District  
10 South Howard Street  
Baltimore, MD 21201

Under:  
**Contract DACA31-92-D-0018**

Prepared By:  
**ROY F. WESTON, INC.**  
1 Weston Way  
West Chester, PA 19380-1499

December 1995



**SITE M-3**  
**GROUND PENETRATING RADAR PROFILES**

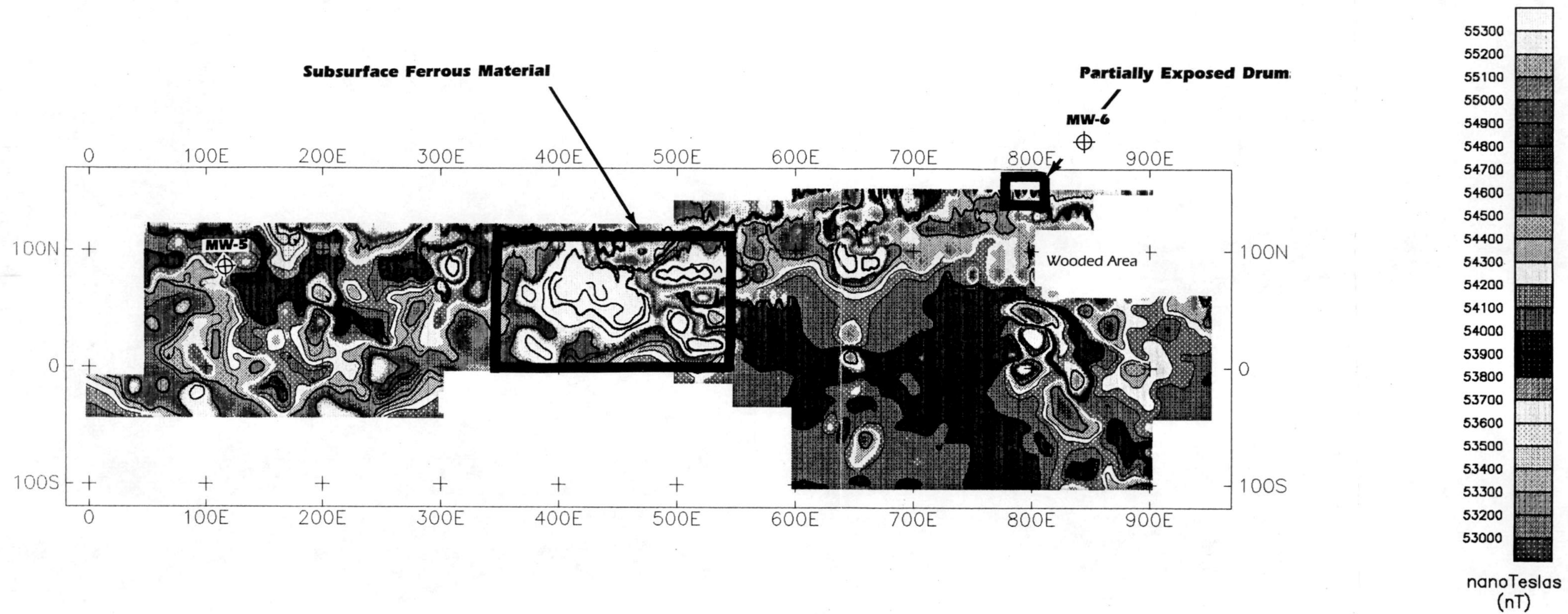
Note: GPR grid coordinates are referenced to the magnetometer survey grid coordinates as depicted on Figures 4.2-8 and 4.2-9 of the WESTON Final Site Investigation Report, December 1995.

**TABLE F-1**

**GEOPHYSICAL SURVEY GRID LOCATIONS WITH  
CORRESPONDING SURVEY DATA  
SITE M-3  
FORT MONMOUTH, NJ**

| STATION    | SURVEY DATA |             |
|------------|-------------|-------------|
|            | NORTHING    | EASTING     |
| 0N, 0E     | 539305.932  | 2170740.834 |
| 100N, 0E   | 539400.585  | 2170708.646 |
| 170N, 0E   | 539466.842  | 2170686.115 |
| 0N, 100E   | 539338.119  | 2170835.487 |
| 0N, 200E   | 539370.306  | 2170930.140 |
| 0N, 300E   | 539402.494  | 2171024.793 |
| 0N, 400E   | 539434.681  | 2171119.446 |
| 0N, 488.4E | 539463.135  | 2171203.120 |
| 0N, 500E   | 539466.868  | 2171214.099 |
| 100N, 500E | 539561.522  | 2171181.912 |
| 0N, 600E   | 539499.056  | 2171308.752 |
| 0N, 700E   | 539531.243  | 2171403.406 |
| 0N, 800E   | 539563.431  | 2171498.059 |
| 0N, 900E   | 539595.631  | 2171592.750 |
| 200S, 900E | 539406.325  | 2171657.124 |
| 170N, 900E | 539756.541  | 2171538.031 |





**LEGEND**

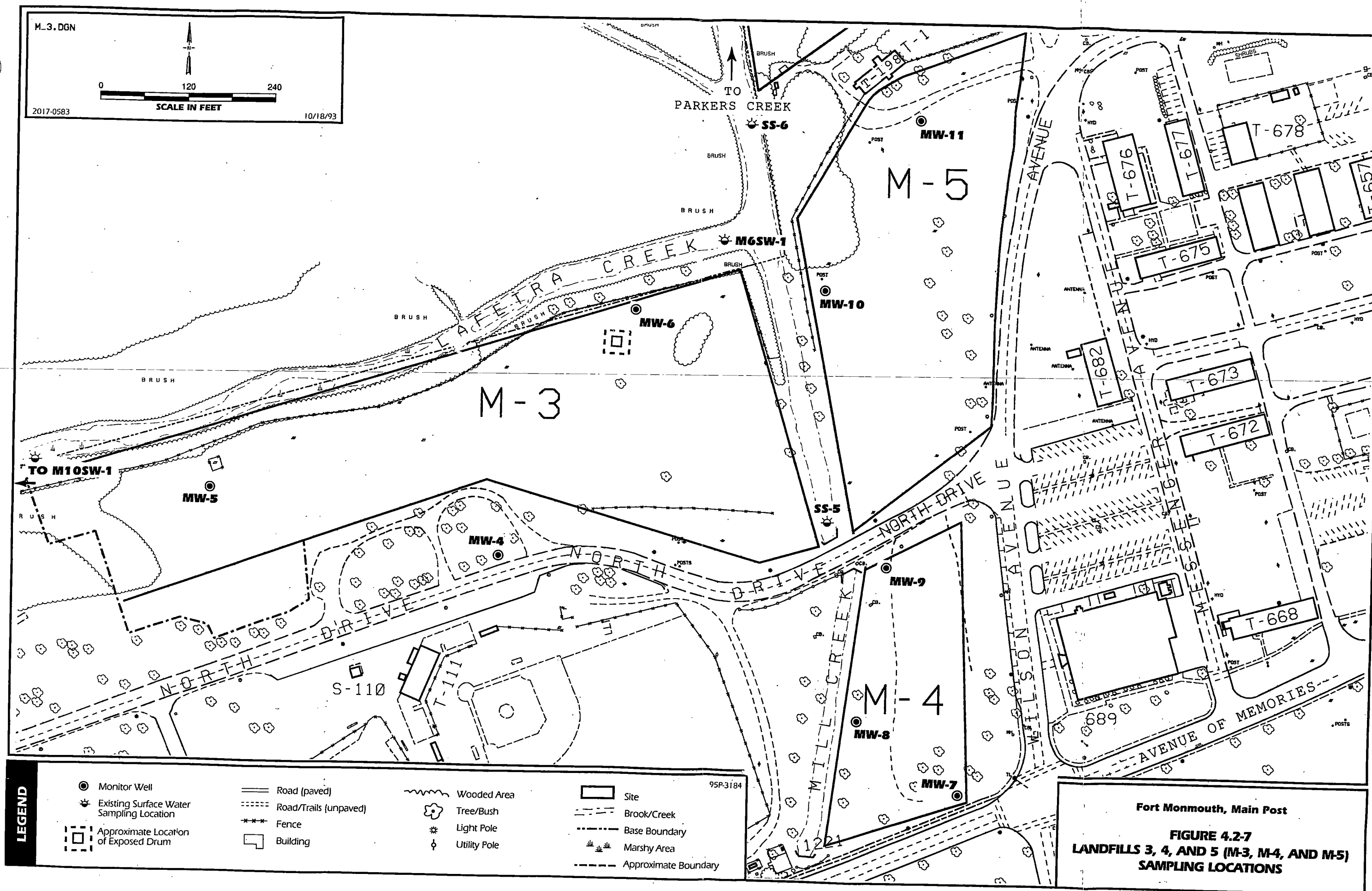
⊕ Monitor Well

0 50 100 150 200  
SCALE IN FEET



**Fort Monmouth, Main Post Site M-3**

**FIGURE 4.2-8  
MAGNETOMETER SURVEY  
TOTAL MAGNETIC FIELD - SITE M-3**





File 2 FILE2 Created December 13, 1994 16:01:14

512 samples/scan 31.9922 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 40 46

Vert: IIR low pass N=2 F=50  
Horiz: IIR high pass N=2 F=8  
IIR stacking TC=4

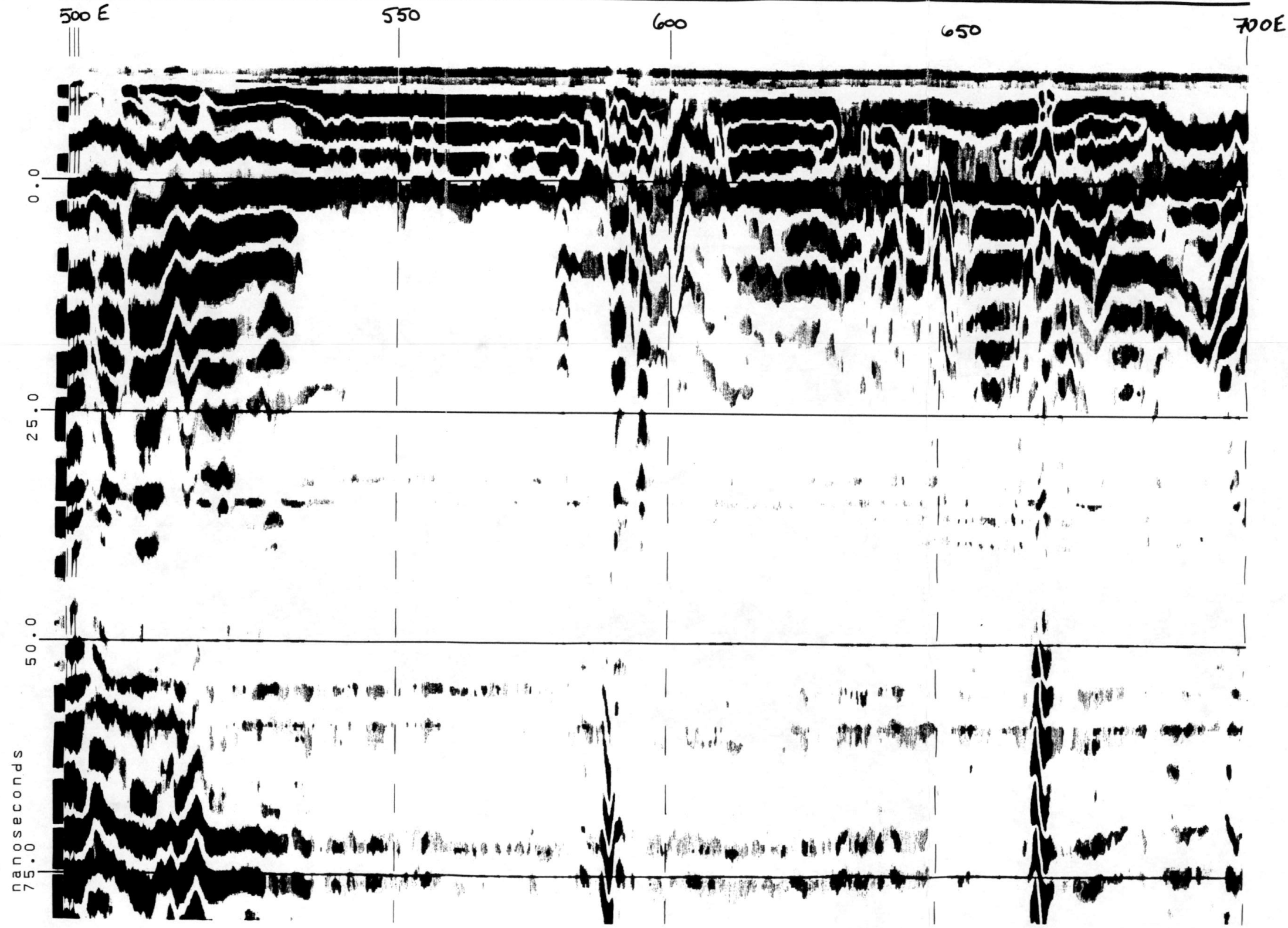
Ft. Monmouth NJ

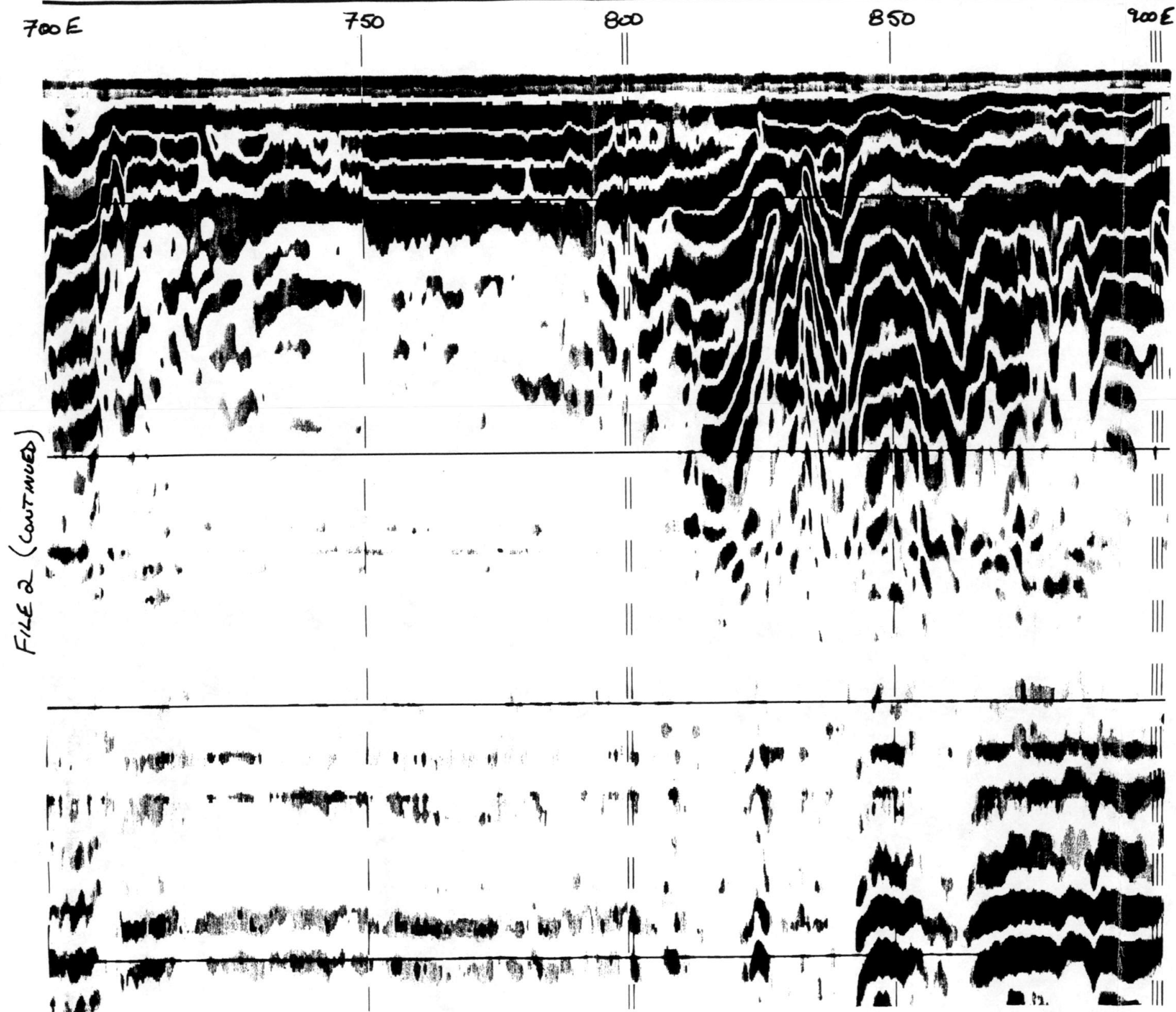
Main Post Site M3

Line 10 S; Marks at 50' intervals

Start: 500 E End: 900 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 3 FILE3 Created December 13, 1994 16:10:06

512 samples/scan 31.9922 scans/sec  
Position: 0 ns range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 9 29 42 48

Vert: IIR low Pass N=2 F=50  
Vert: IIR high Pass N=2 F=8  
Horiz: IIR stacking TC=4

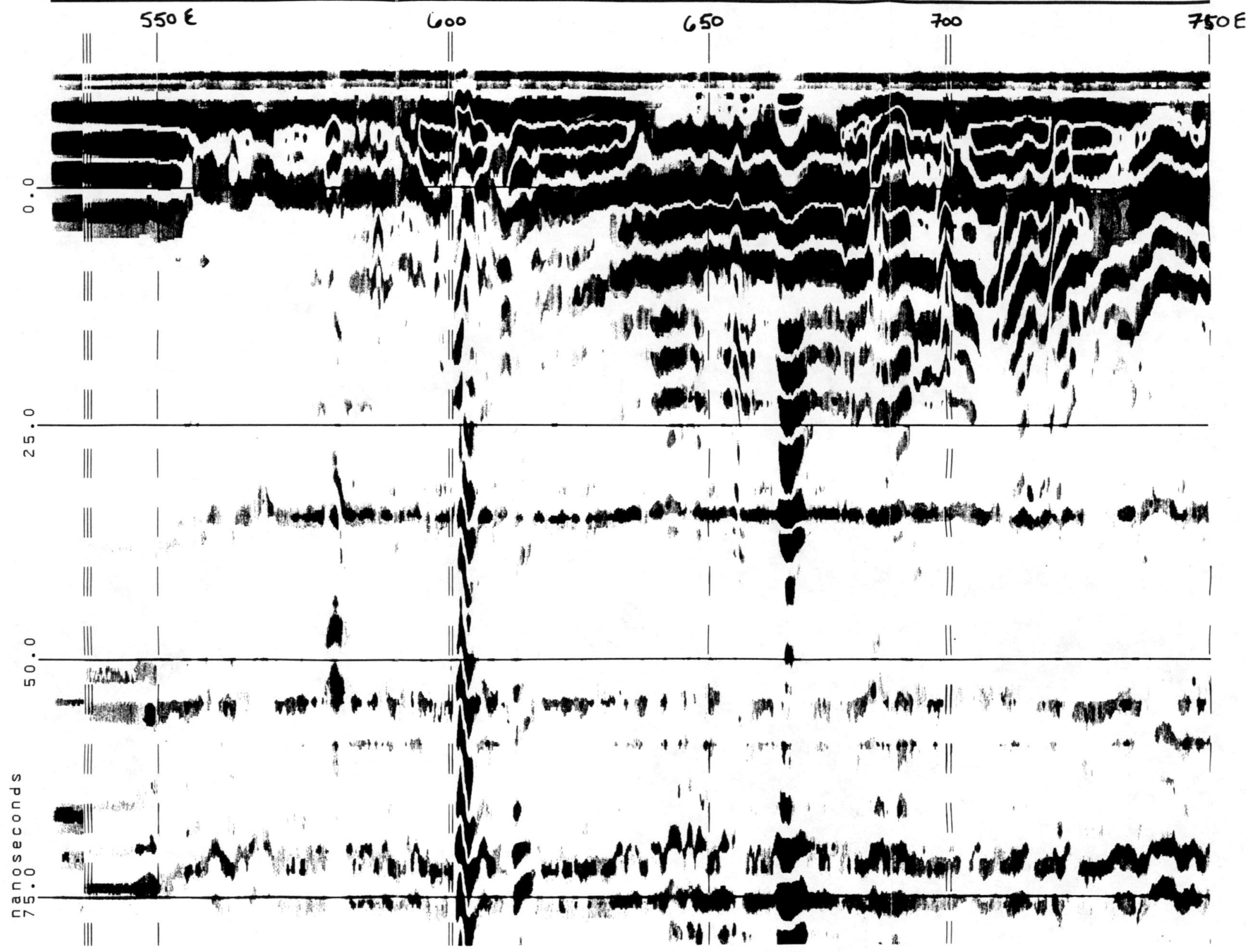
Ft. Monmouth NJ

Main Post Site M3

Line 30 S; Marks at 50' intervals

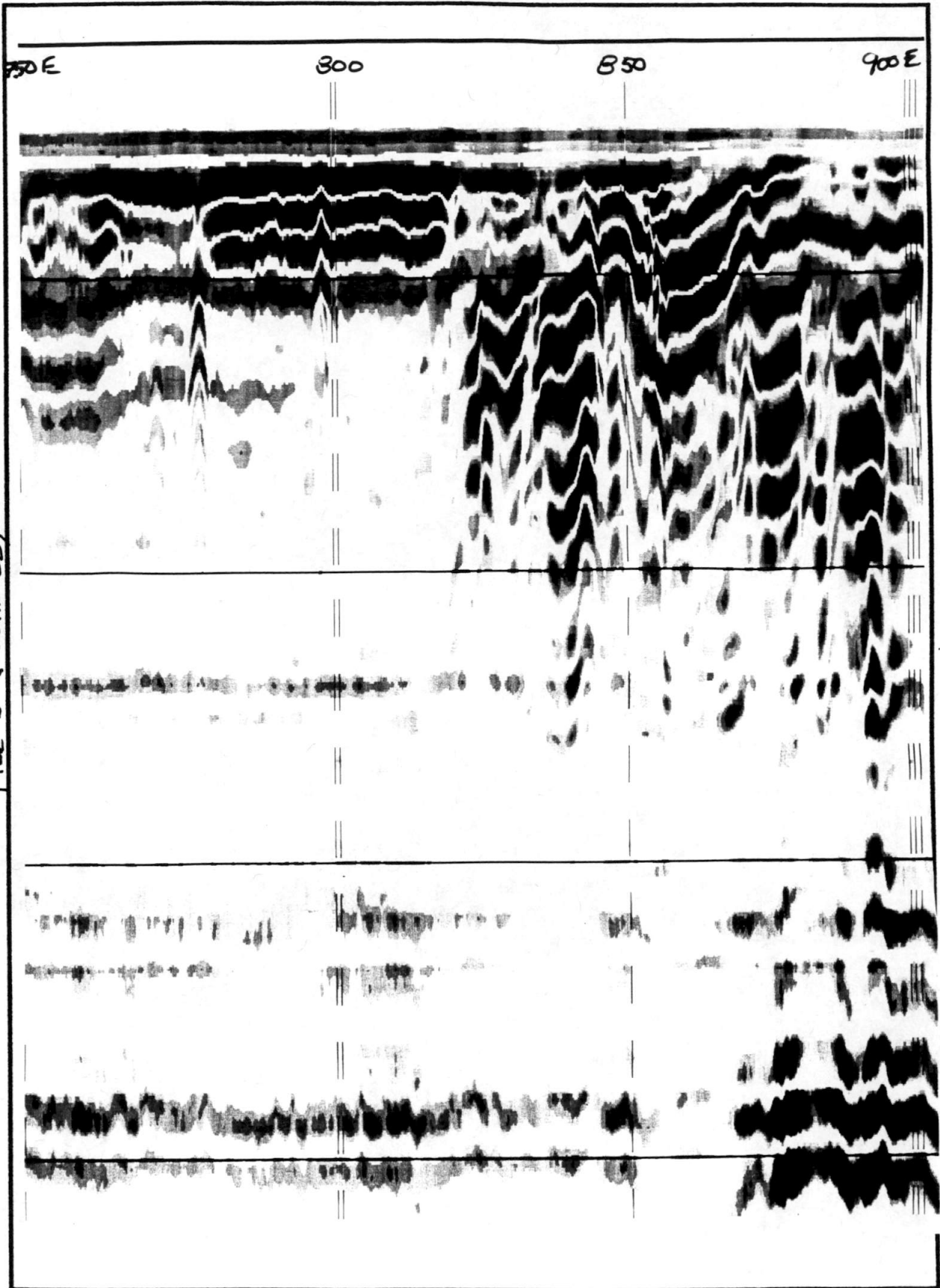
Start: 550 E End: 900 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





FILE 3 (CONTINUED)



File 4 FILE4 Created December 13, 1994 16:17:54

512 samples/scan 31.9922 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 9 29 42 48

Vert: IIR low pass N=2 F=50  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

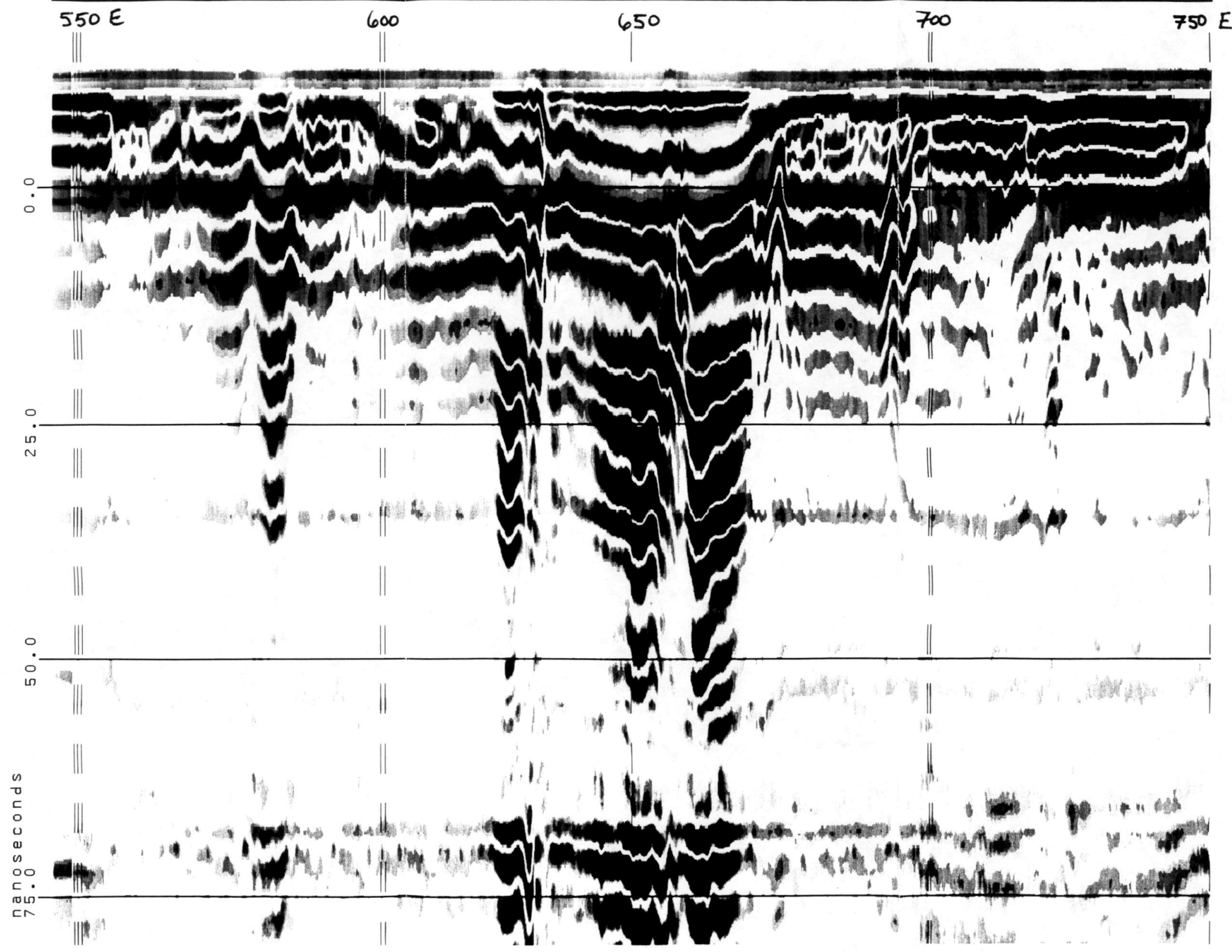
Ft. Monmouth NJ

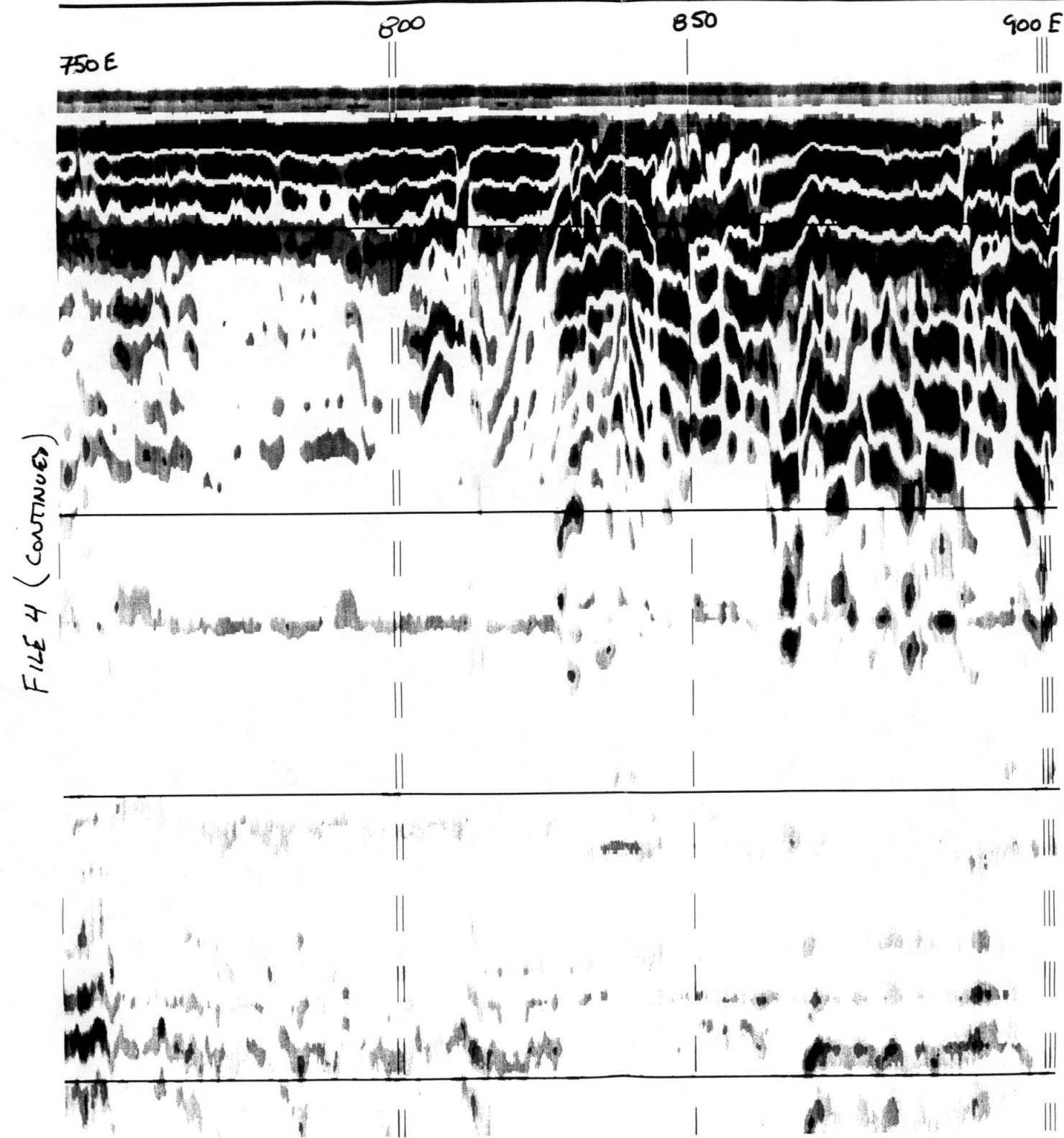
Main Post Site M3

Line 50 S; Marks at 50' intervals

Start: 550 E End: 900 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%







File 5 FILE5 Created December 13, 1994 16:29:20

512 samples/scan 31.9922 scans/sec  
Position: 0 NS range: 150 NS 8 Bits  
Dielectric constant: 0 Antenna: 3102

Range Gain 5 12 50 58 64

Vert. IIR low Pass N=2 F=75  
Vert. IIR high Pass N=2 F=12  
Horiz. IIR stacking TC=3

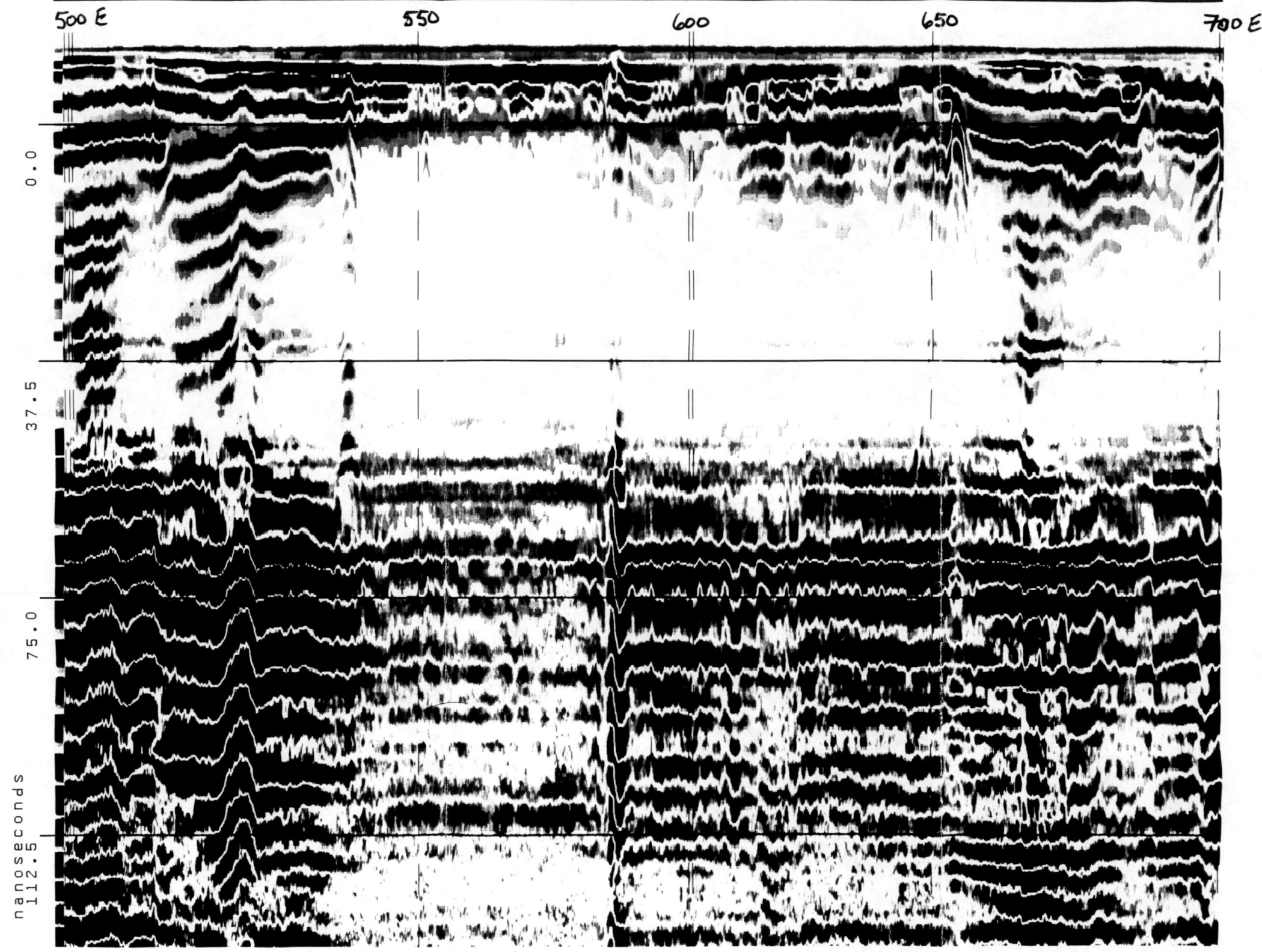
Ft. Monmouth NJ

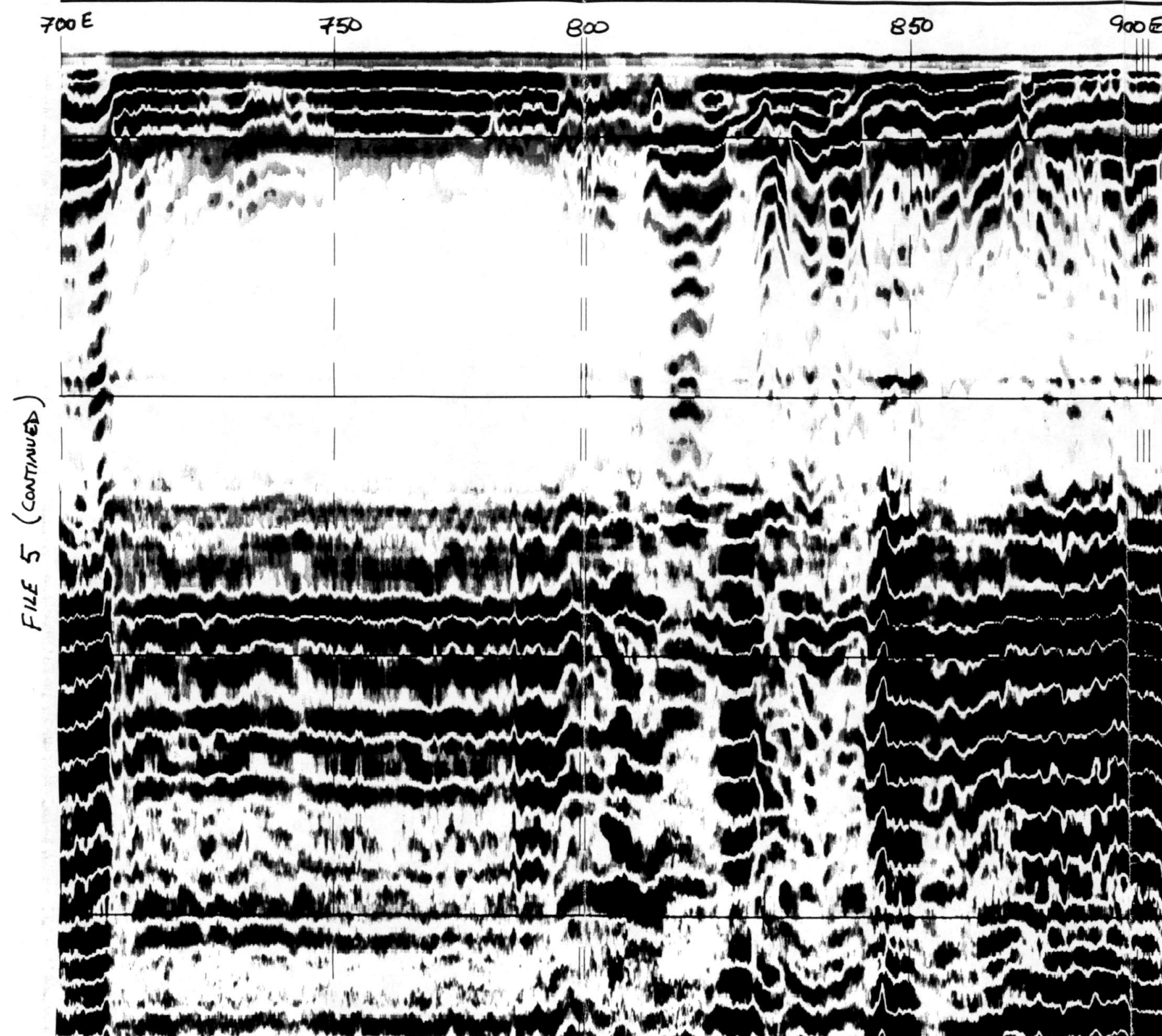
Main Post Site M3

Line 10 S; Marks at 50' intervals

Start: 500 E End: 900 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%







File 6 FILE6 Created December 13, 1994 16:44:28

512 samples/scan 31.9922 scans/sec  
Position: 0 ns range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert. IIR low pass N=2 F=48  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

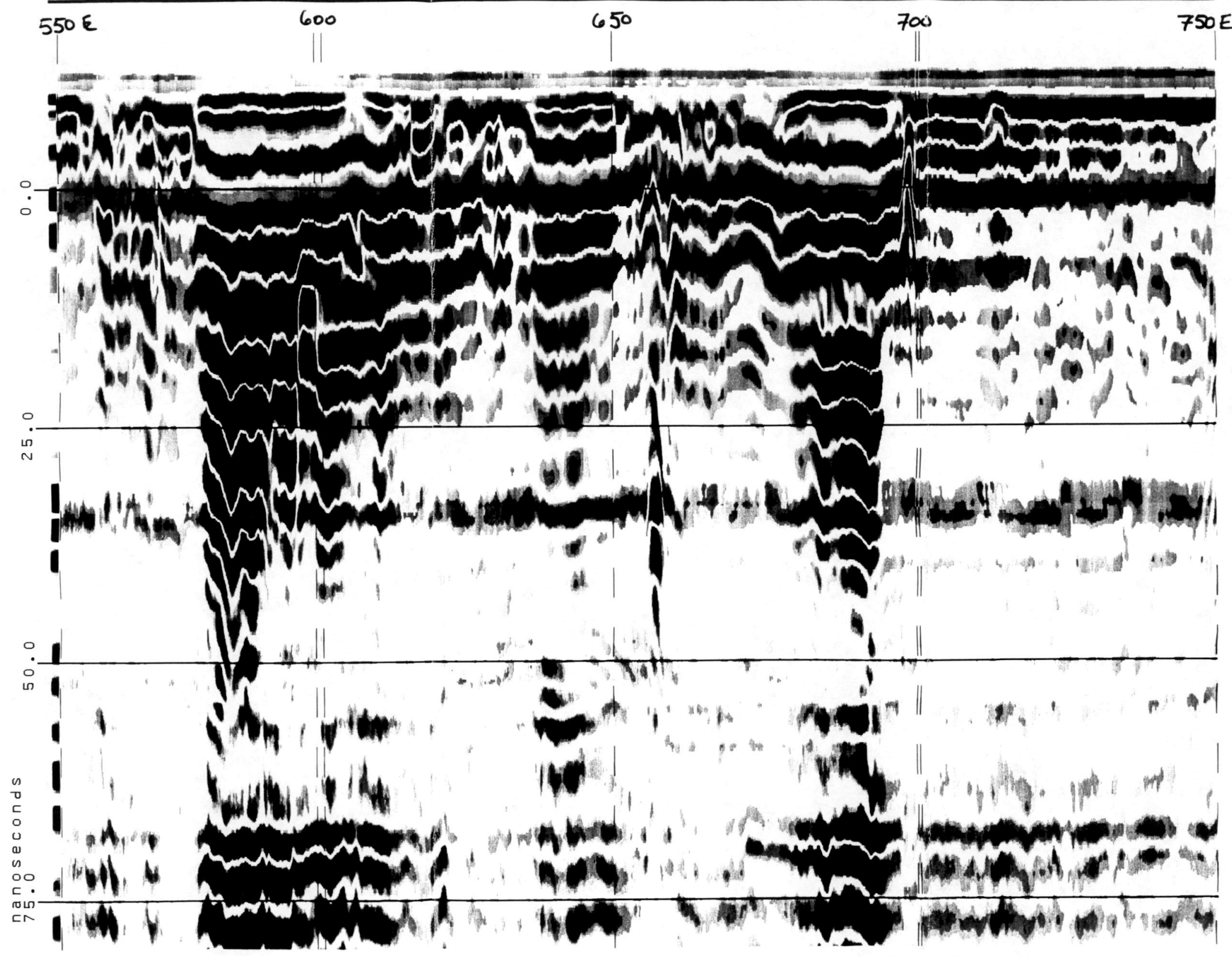
Ft. Monmouth NJ

Main Post Site M3

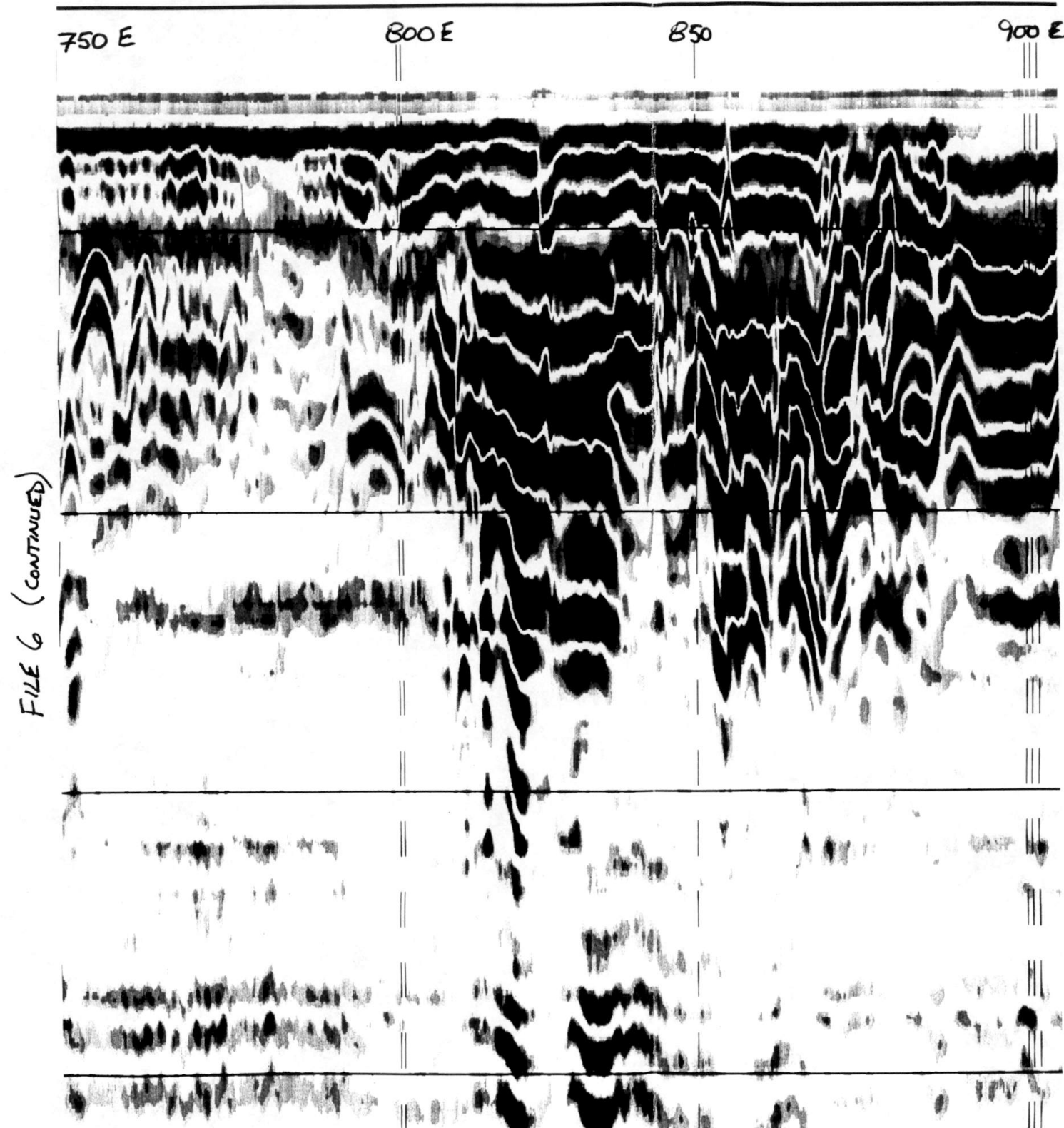
Line 70 S, Marks at 50' intervals

Start: 550 E End: 900 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%







File 7 FILE7 Created December 13, 1994 16:52:22

512 samples/scan 31.9922 scans/sec  
Position: 0 NS Range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR Low Pass N=2 F=48  
Horiz: IIR High Pass N=2 F=8  
Horiz: IIR stacking TC=4

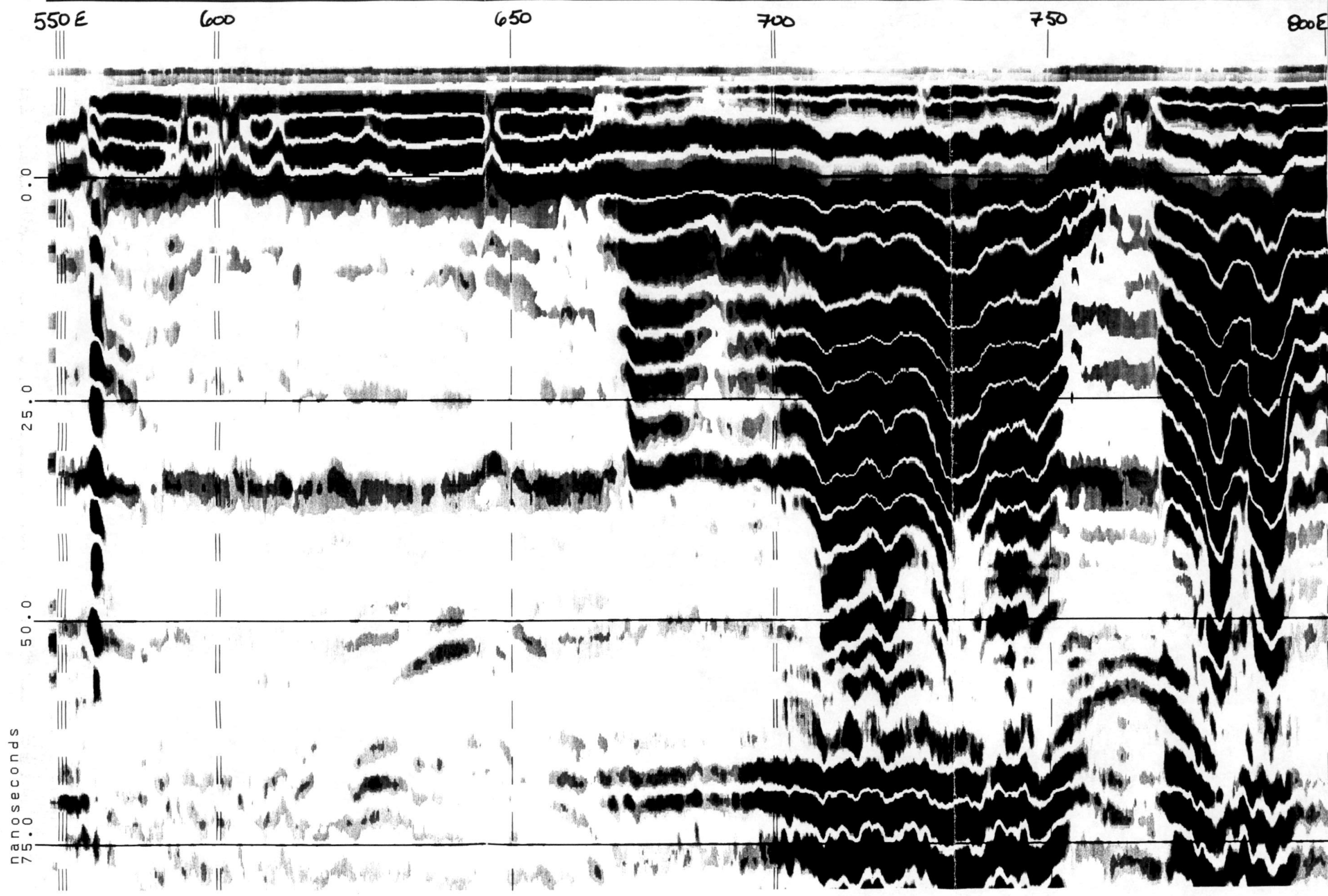
Ft. Monmouth NJ

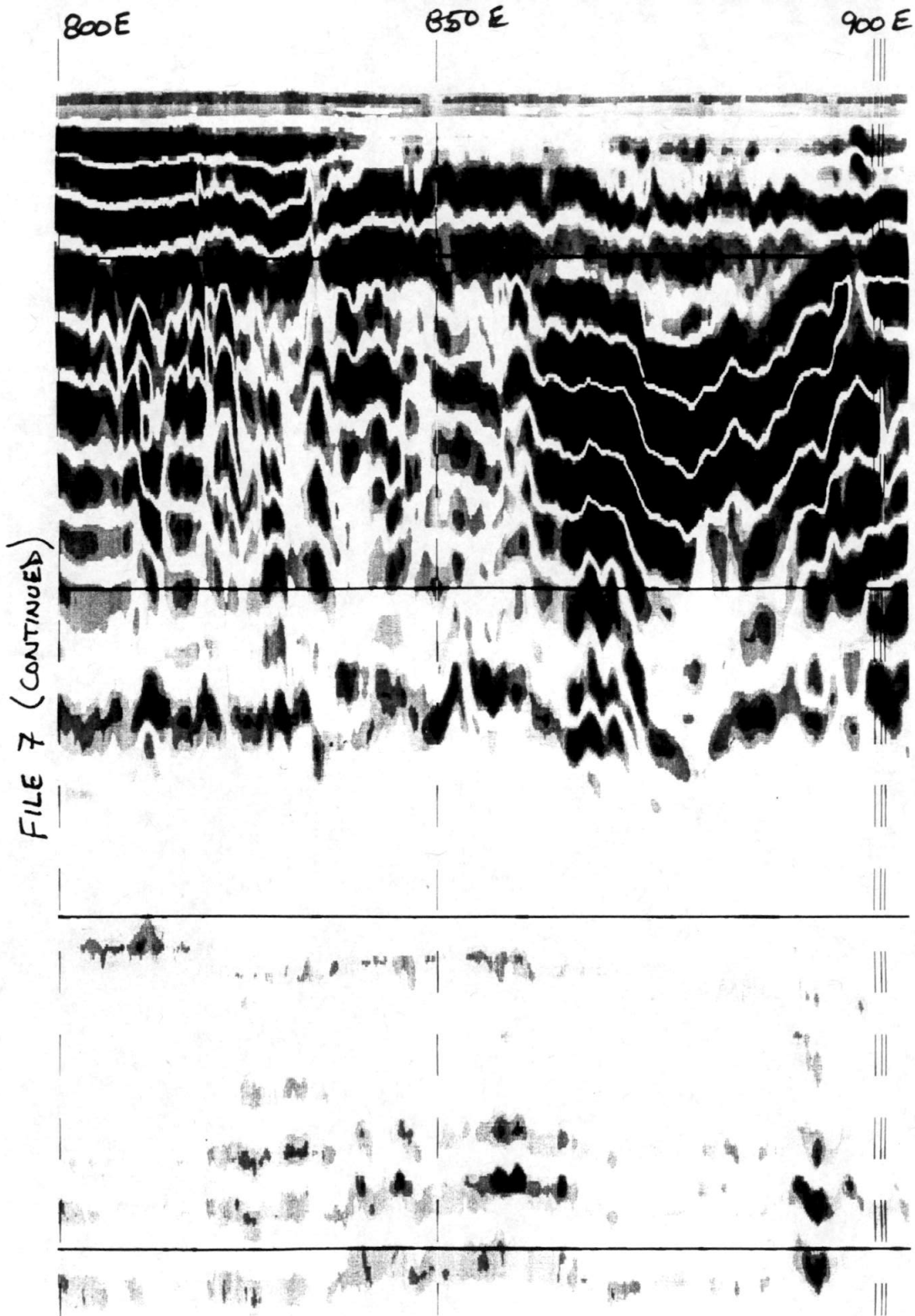
Main Post Site M3

Line 90 S, Marks at 50' intervals

Start: 550 E End: 900 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%







File 8 FILE8 Created December 13, 1994 16:59:30

512 samples/scan 31.9922 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low Pass N=2 F=48  
Vert: IIR high Pass N=2 F=8  
Horiz: IIR stacking TC=4

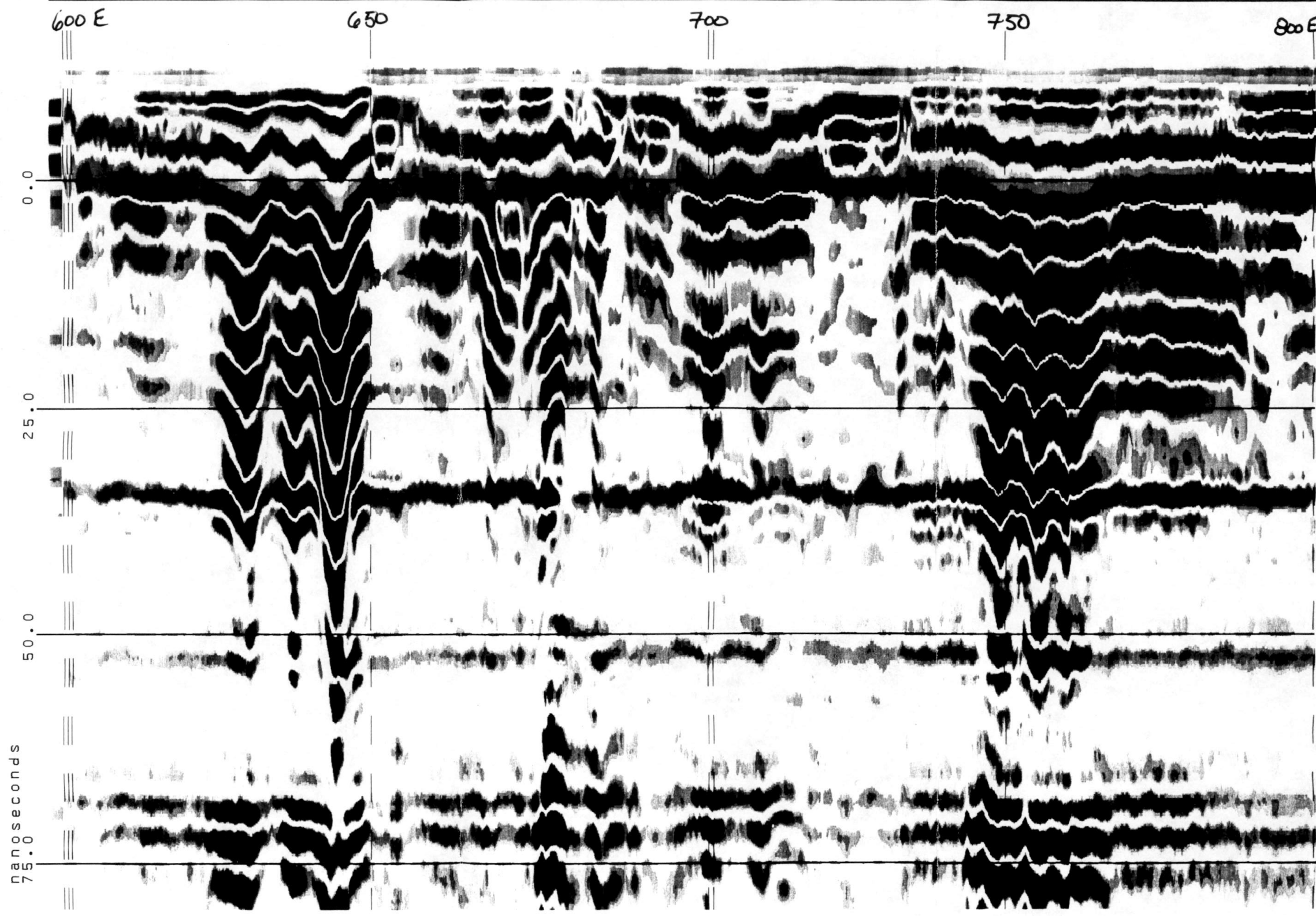
Ft. Monmouth NJ

Main Post Site M3

Line 120 S, Marks at 50' intervals

Start: 600 E End: 900 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%

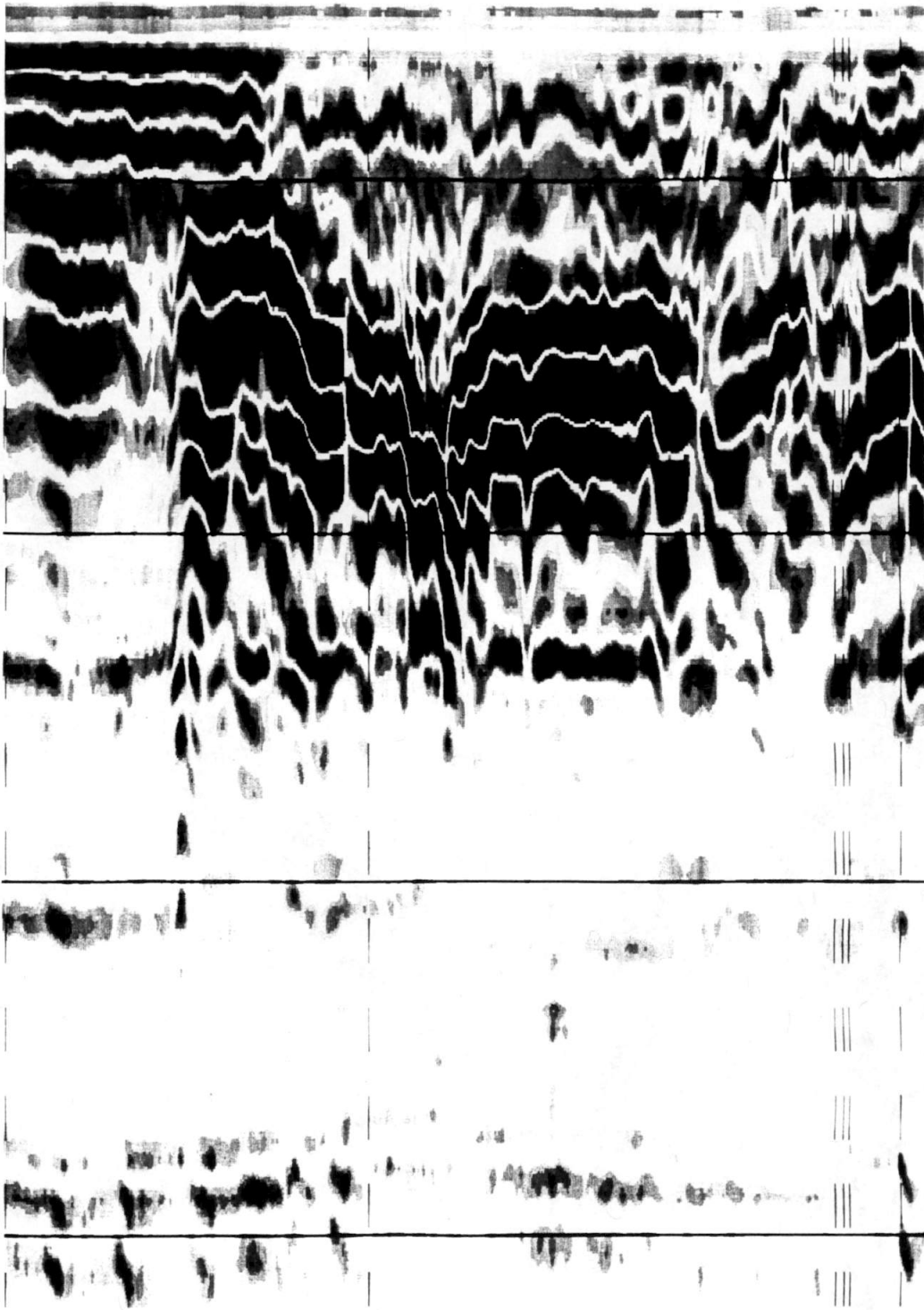


800E

850 E

900 E

FILE 8 (CONTINUED)



File 10 FILE10 Created December 13, 1994 17:16:12

512 samples/scan 31.9922 scans/sec  
Position: 0 NS Range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low Pass N=2 F=48  
Vert: IIR high Pass N=2 F=8  
Horiz: IIR stacking TC=4

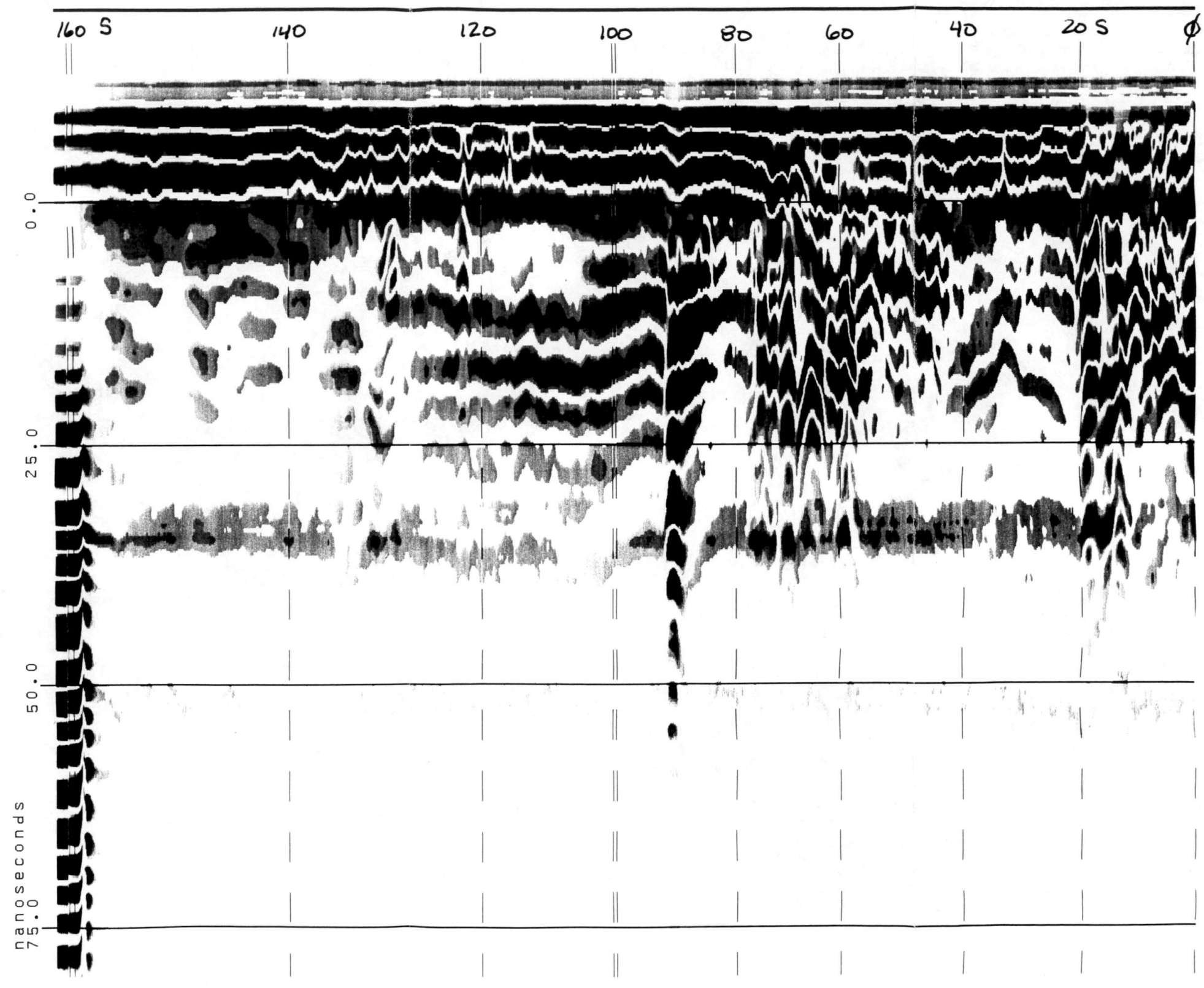
Ft. Monmouth NJ

Main Post Site M3

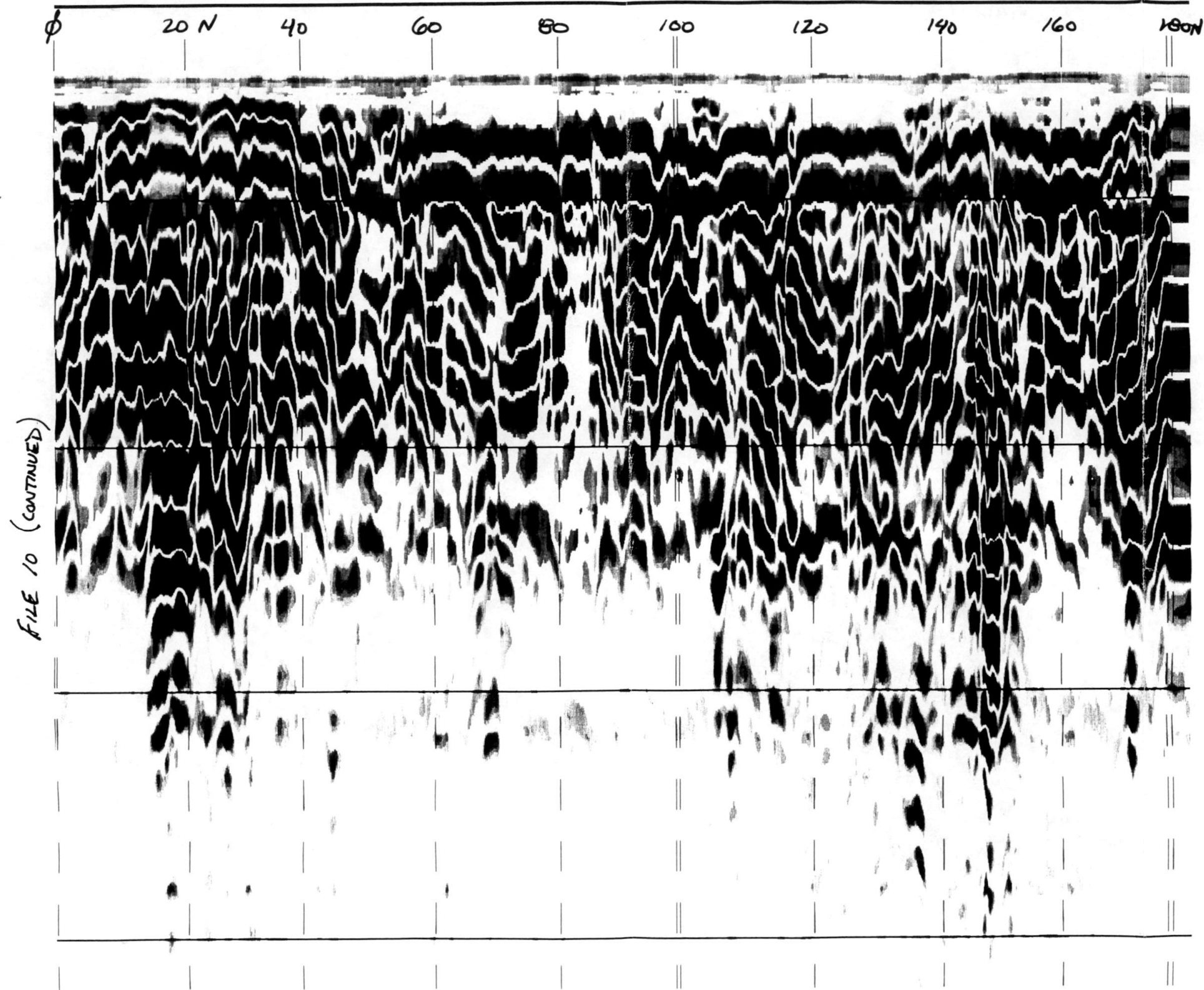
Line 800 E, Marks at 50' intervals

Start: 160 S End: 180 N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%







File 11 FILE11 Created December 13, 1994 17:23:54

512 samples/scan 31.9922 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low Pass N=2 F=48

Horiz: IIR high Pass N=2 F=8

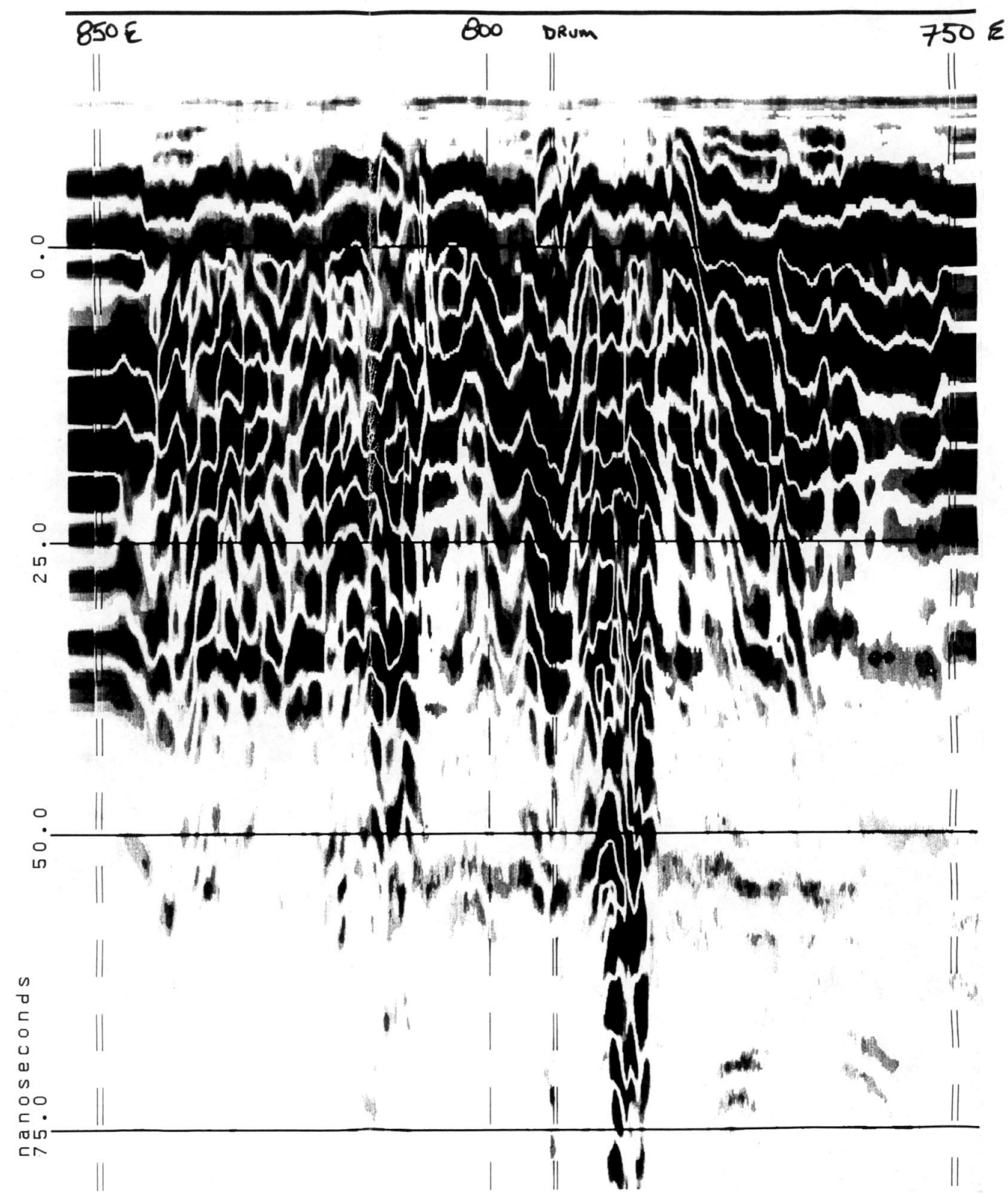
Ft. Monmouth NJ

Main Post Site M3

Line 160 N, Marks at 50' intervals

Start: 850 E End: 750 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 16 FILE16 Created December 4, 1994 09:48:28

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low pass N=2 F=48  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

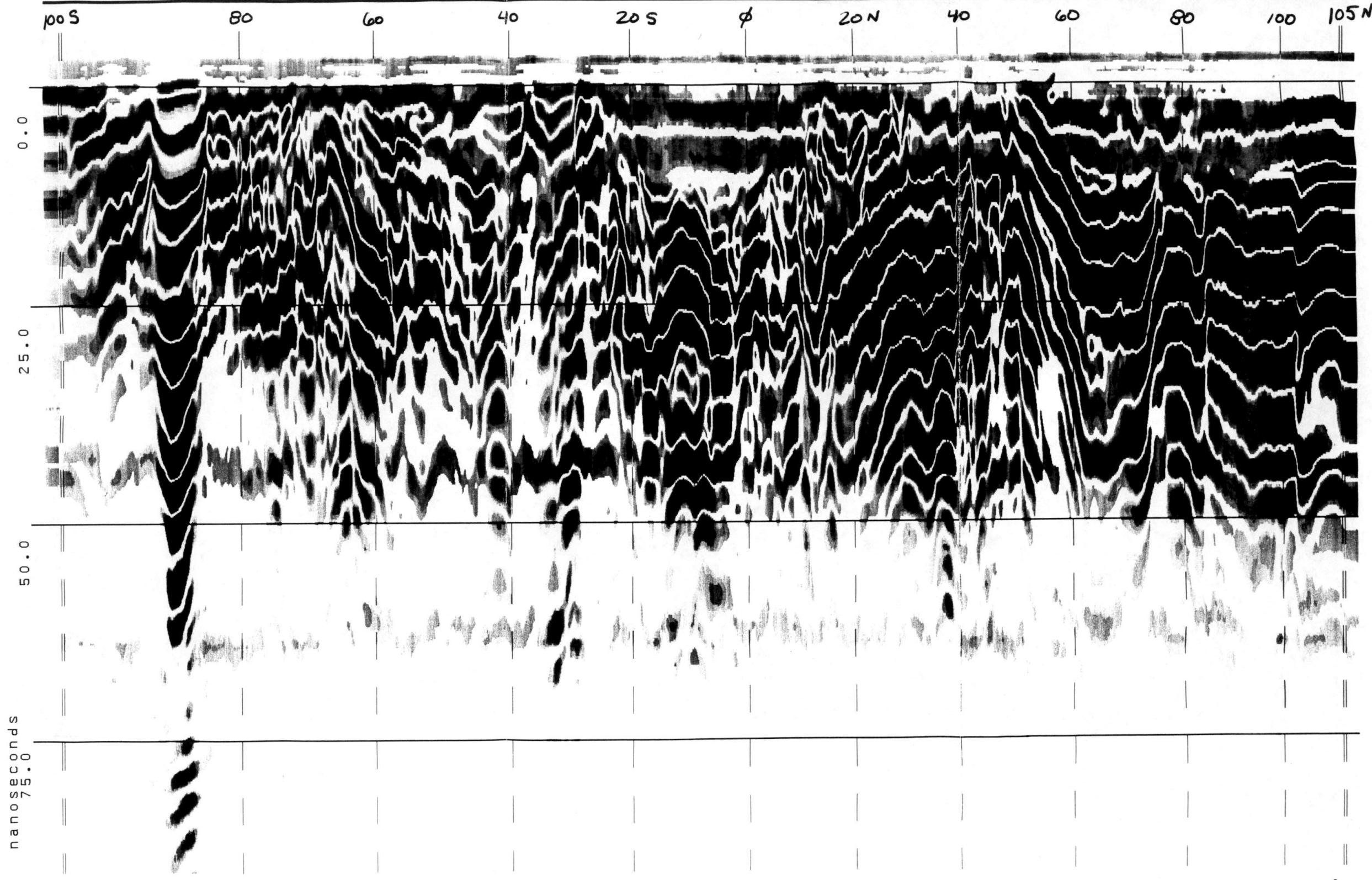
Ft. Monmouth NJ

Main Post Site M3

Line 100 E, Marks at 20' intervals

Start: 100 S End: ~~100~~ N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 17 FILE17 Created December 14, 1994 10:02:24

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low pass N=2 F=48  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

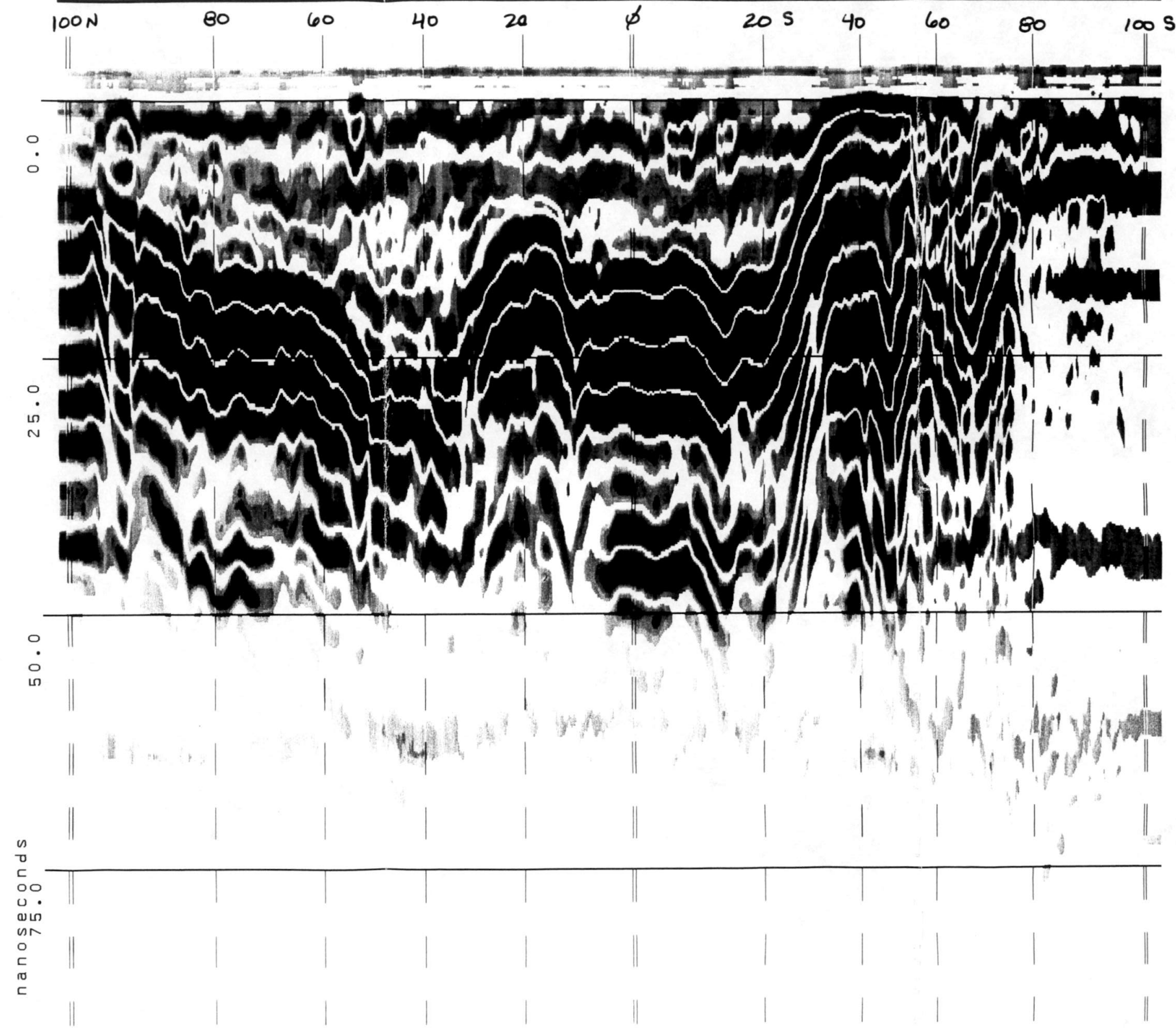
Ft. Monmouth NJ

Main Post Site M3

Line 150 E, Marks at 20' intervals

Start: 100 N End: 100 S

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 18 FILE18 Created December 14, 1994 10:12:12

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low Pass N=2 F=48  
Vert: IIR high Pass N=2 F=8  
Horiz: IIR stacking TC=4

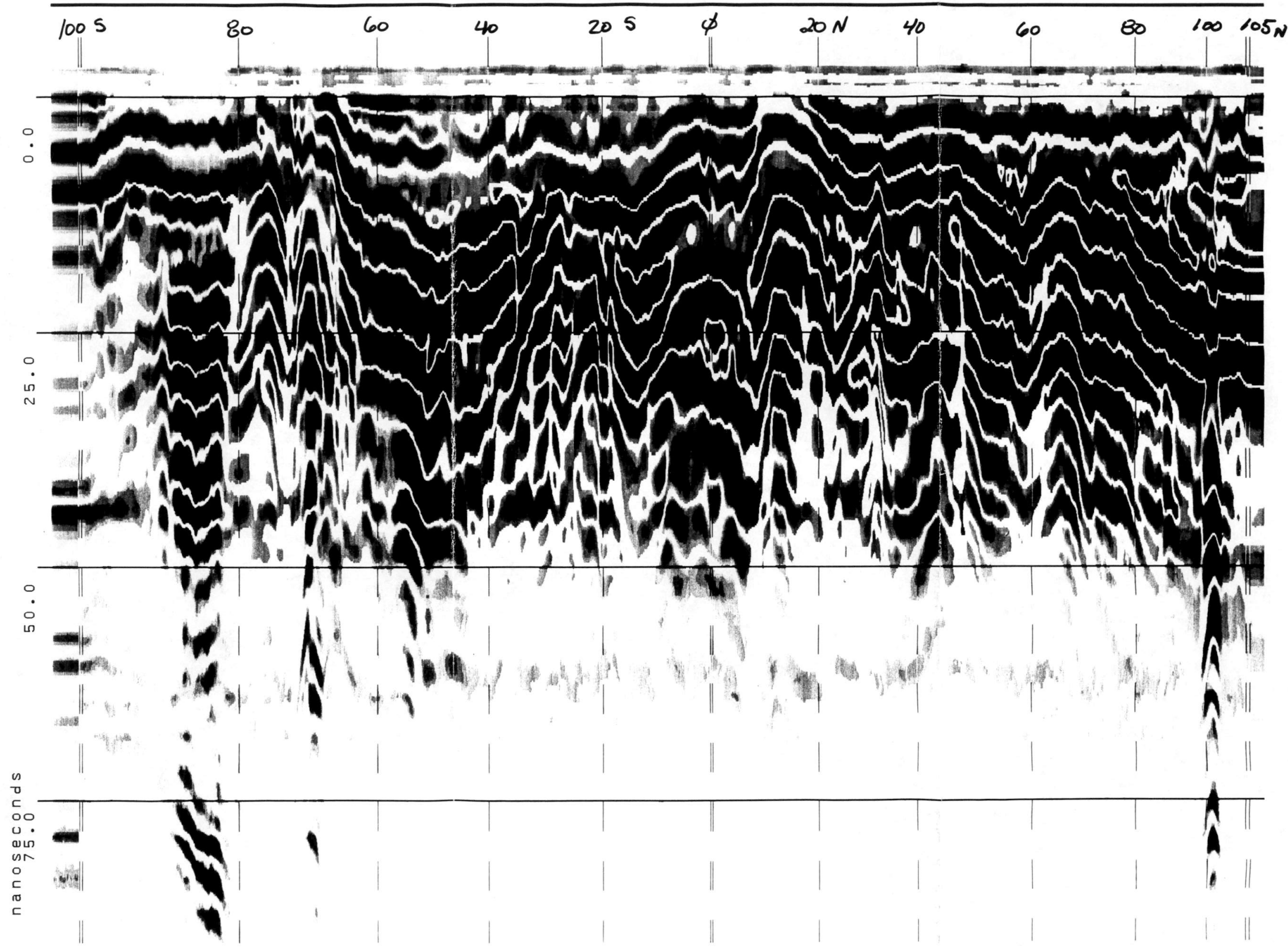
Ft. Monmouth NJ

Main Post Site M3

Line 200 E, Marks at 20' intervals

Start: 100 S End: 105 N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 19 FILE19 Created December 14, 1994 10:19:18

512 samples/scan 25.004 scans/sec  
Position: -3 ns range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low pass N=2 F=48  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

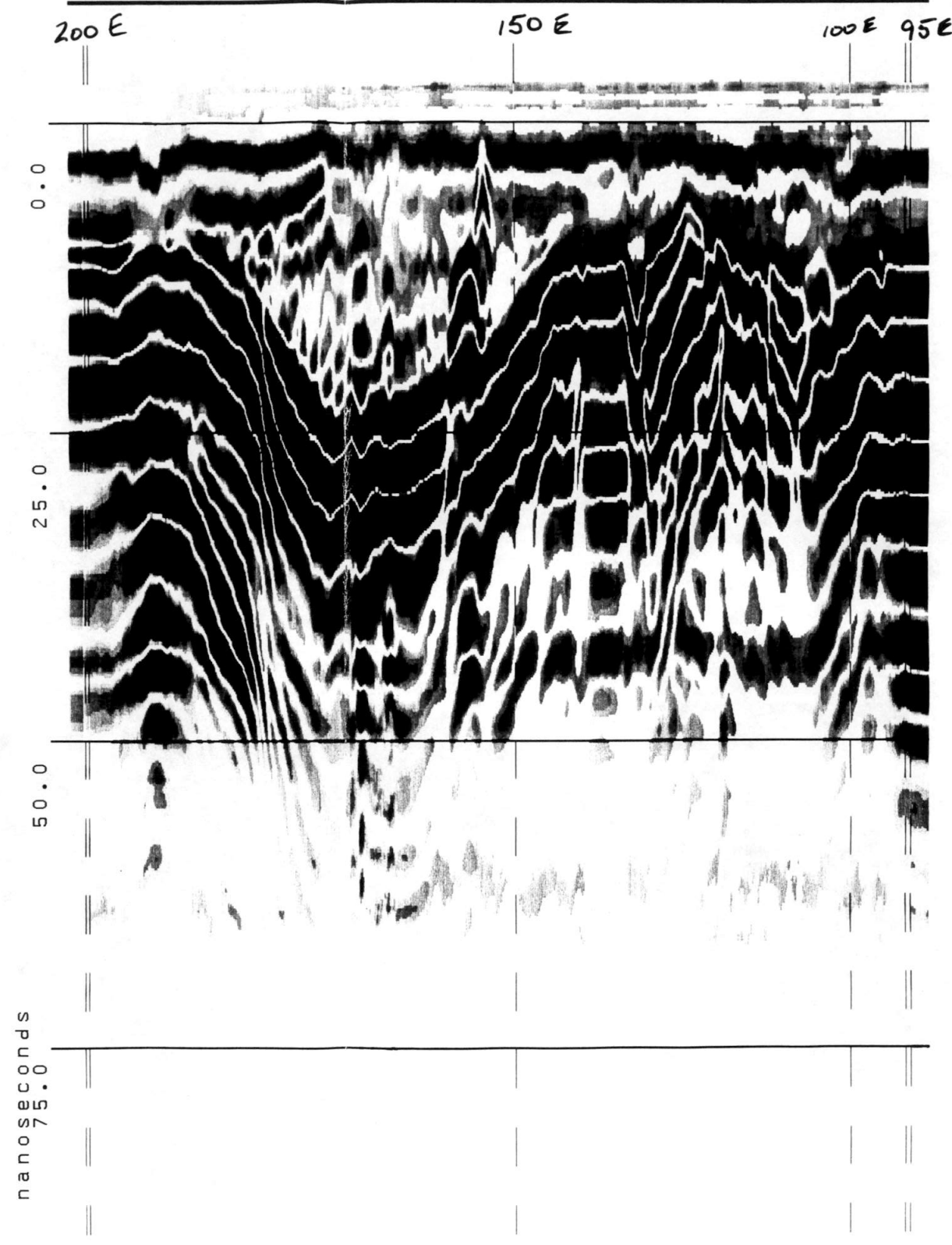
Ft. Monmouth NJ

Main Post Site M3

Line 80 N, Marks at 50' intervals

Start: 200 E End: ~~100 E~~ 95E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 20 FILE20 Created December 14, 1994 10:22:24

512 samples/scan 25.004 scans/sec  
Position: -3 ns range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low pass N=2 F=48  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

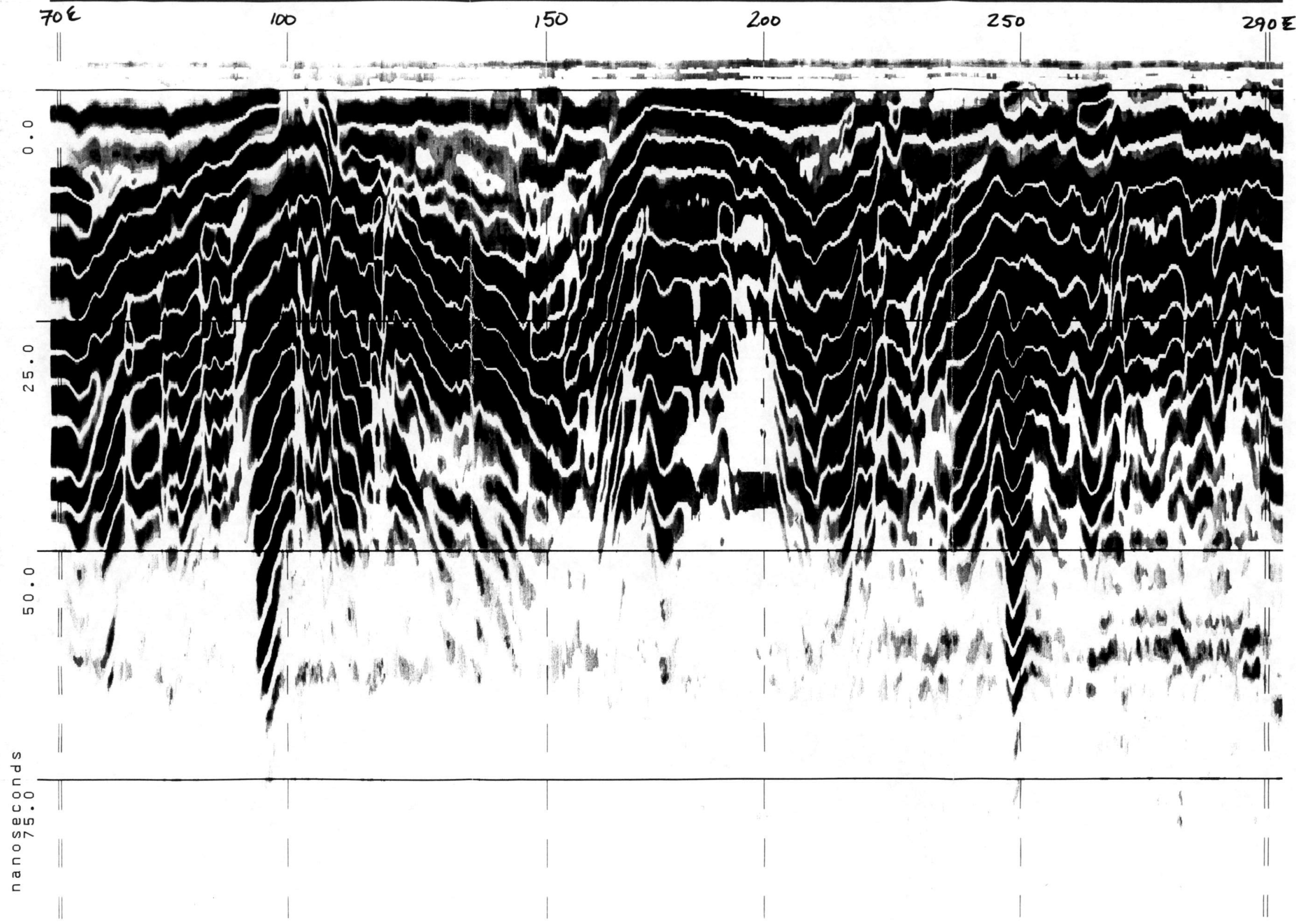
Ft. Monmouth NJ

Main Post Site M3

Line 50 N, Marks at 50' intervals

Start: 75 E End: 290 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 21 FILE21 Created December 14, 1994 10:26:38

512 samples/scan 25.004 scans/sec  
Position: -3 ns range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert. IIR low pass N=2 F=48  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

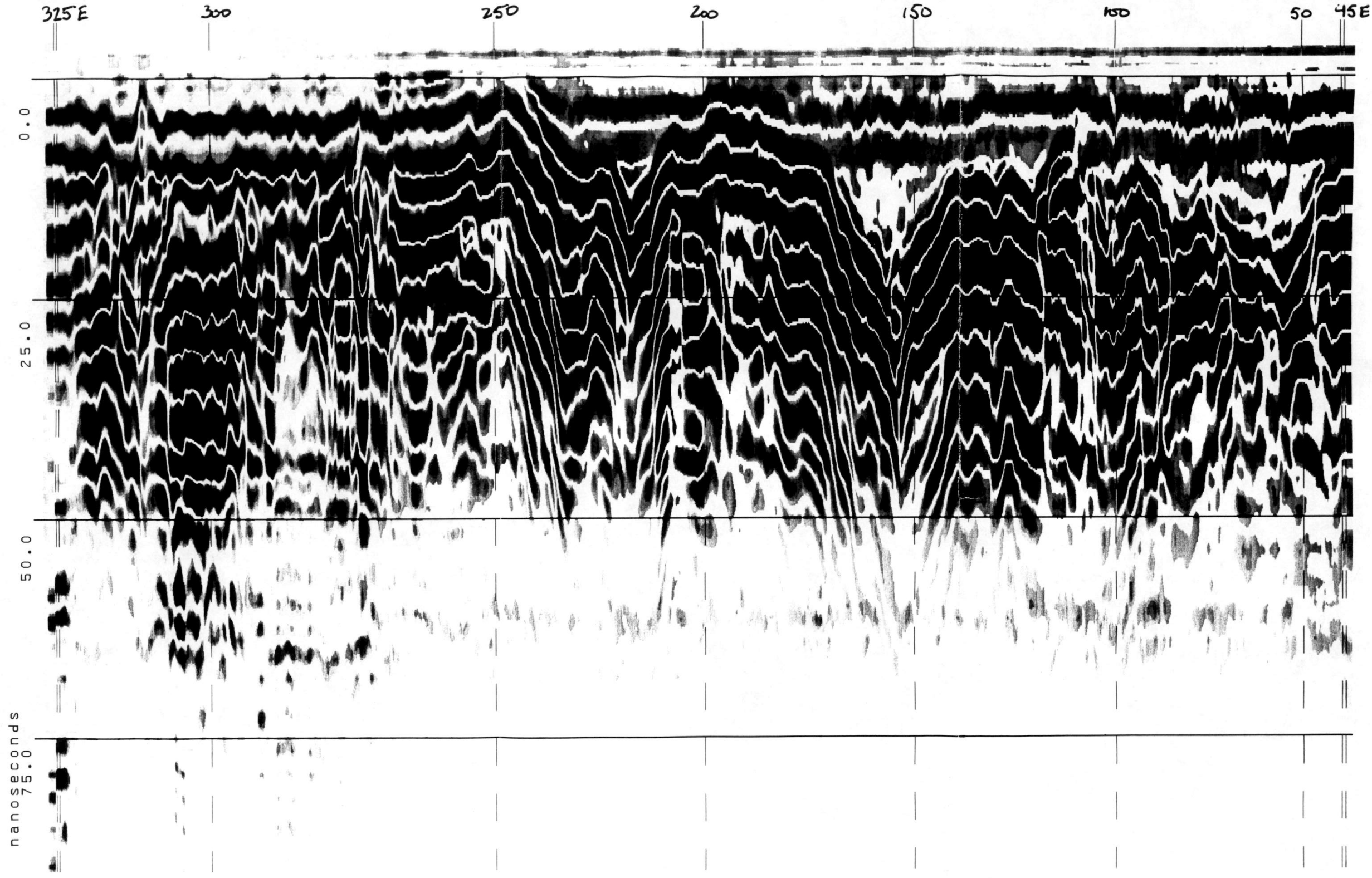
Ft. Monmouth NJ

Main Post Site M3

Line 0 N, Marks at 50' intervals

Start: 300 E End: 450 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 22 FILE22 Created December 14, 1994 10:34:46

512 samples/scan 25.004 scans/sec  
Position: -3 ns range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low pass N=2 F=48  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

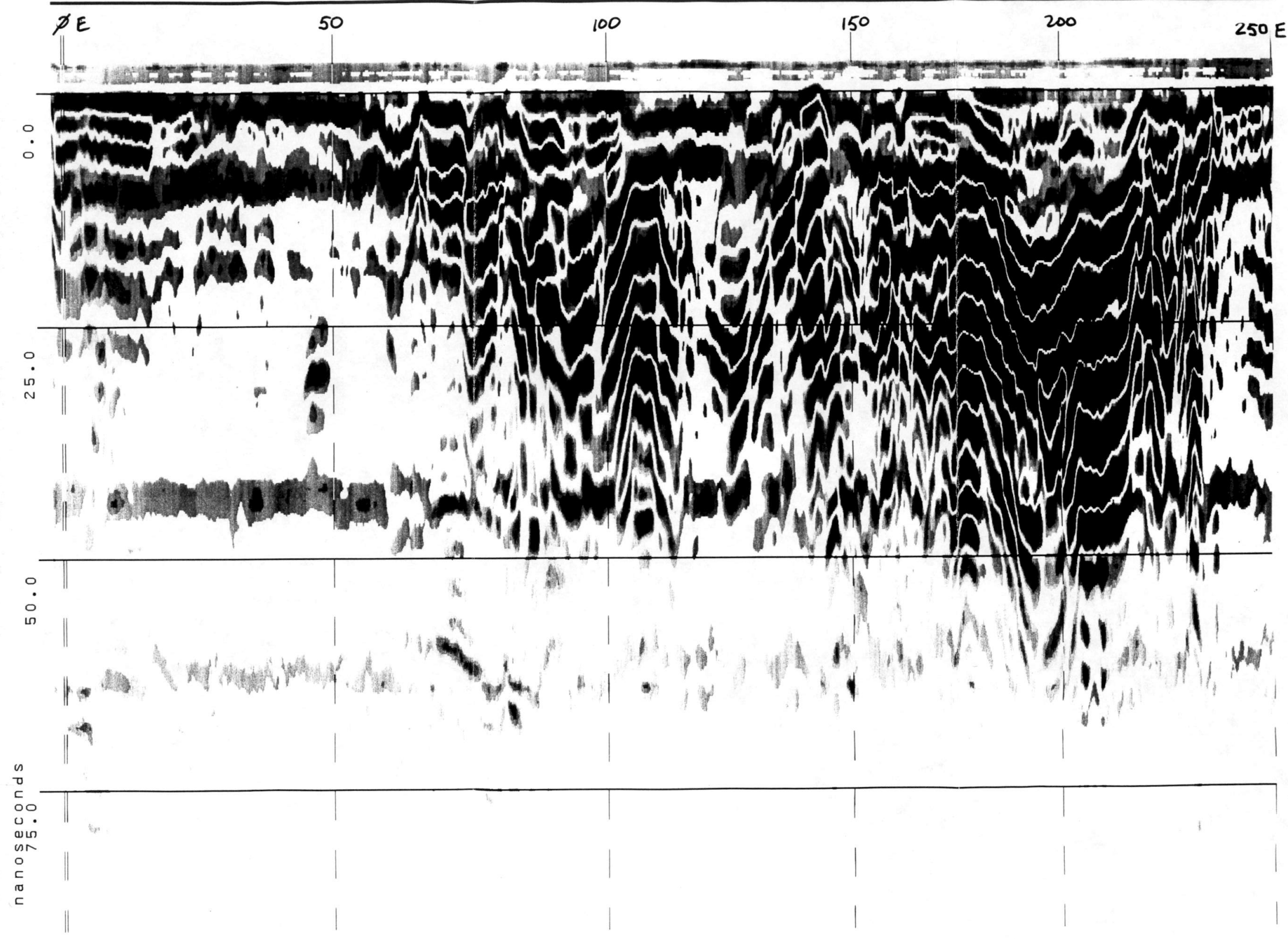
Ft. Monmouth NJ

Main Post Site M3

Line 50 S, Marks at 50' intervals

Start: 0 E End: 350 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



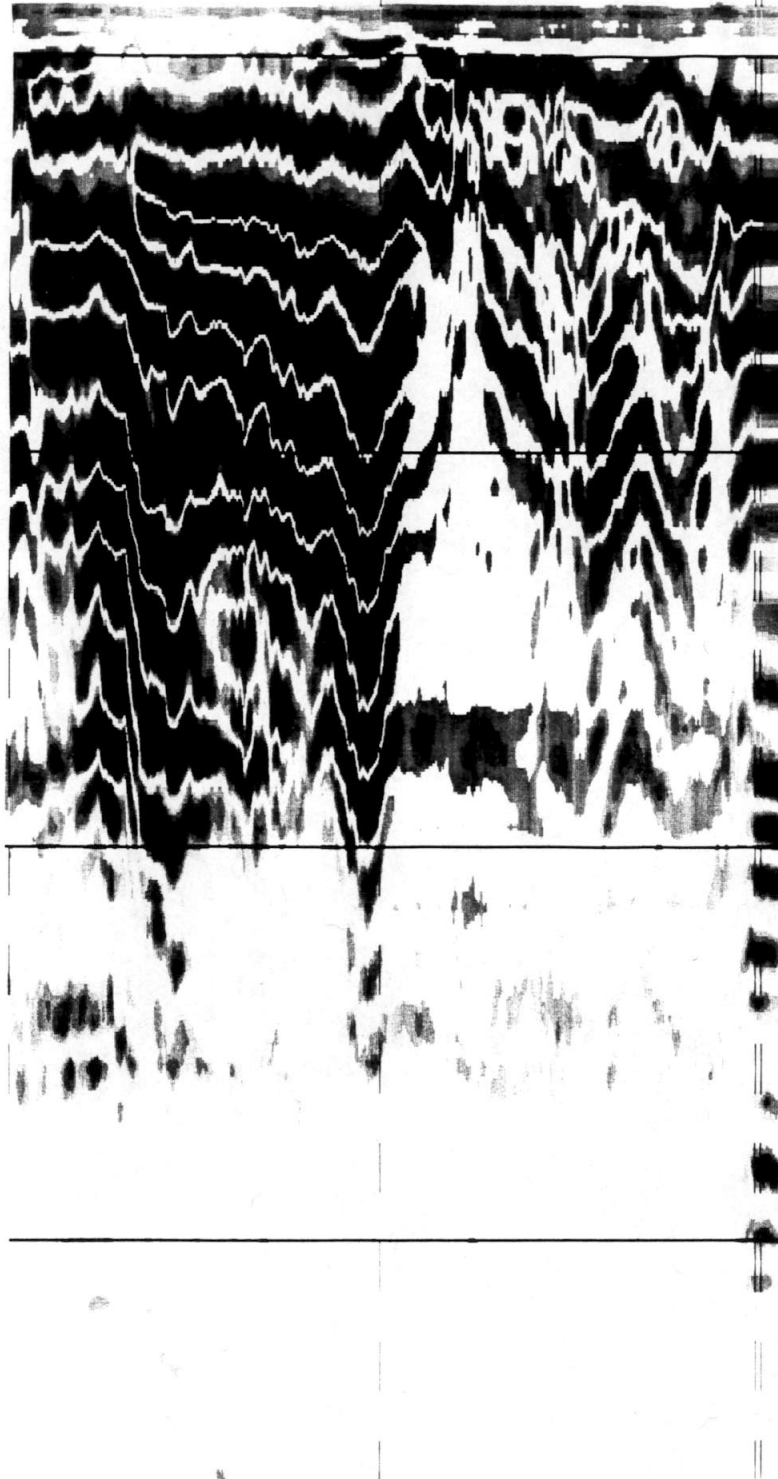


250 E

300 E

350 E

FILE 22 (CONTINUED)



File 23 FILE23 Created December 14, 1994 11:06:54

512 samples/scan 25.004 scans/sec  
Position: -3 nS range: 100 nS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert. IIR low pass N=2 F=48  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

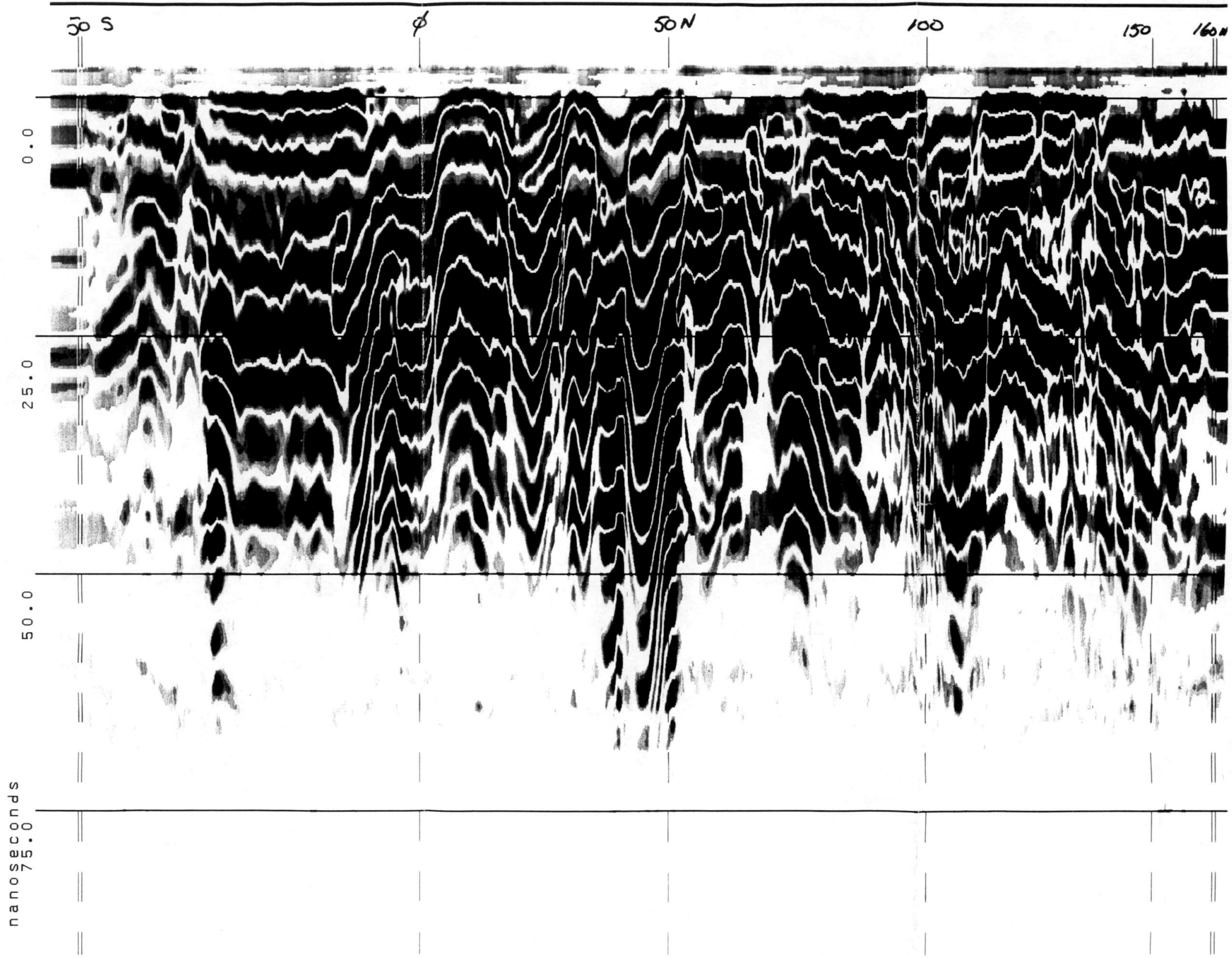
Ft. Monmouth NJ

Main Post Site M3 50

Line 250 E, Marks at 20 intervals

Start: 50 S End: 150 N  
160

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 24 FILE24 Created December 14, 1994 11:11:48

512 samples/scan 25.004 scans/sec  
Position: -3 ns range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert. IIR low Pass N=2 F=48  
Vert. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

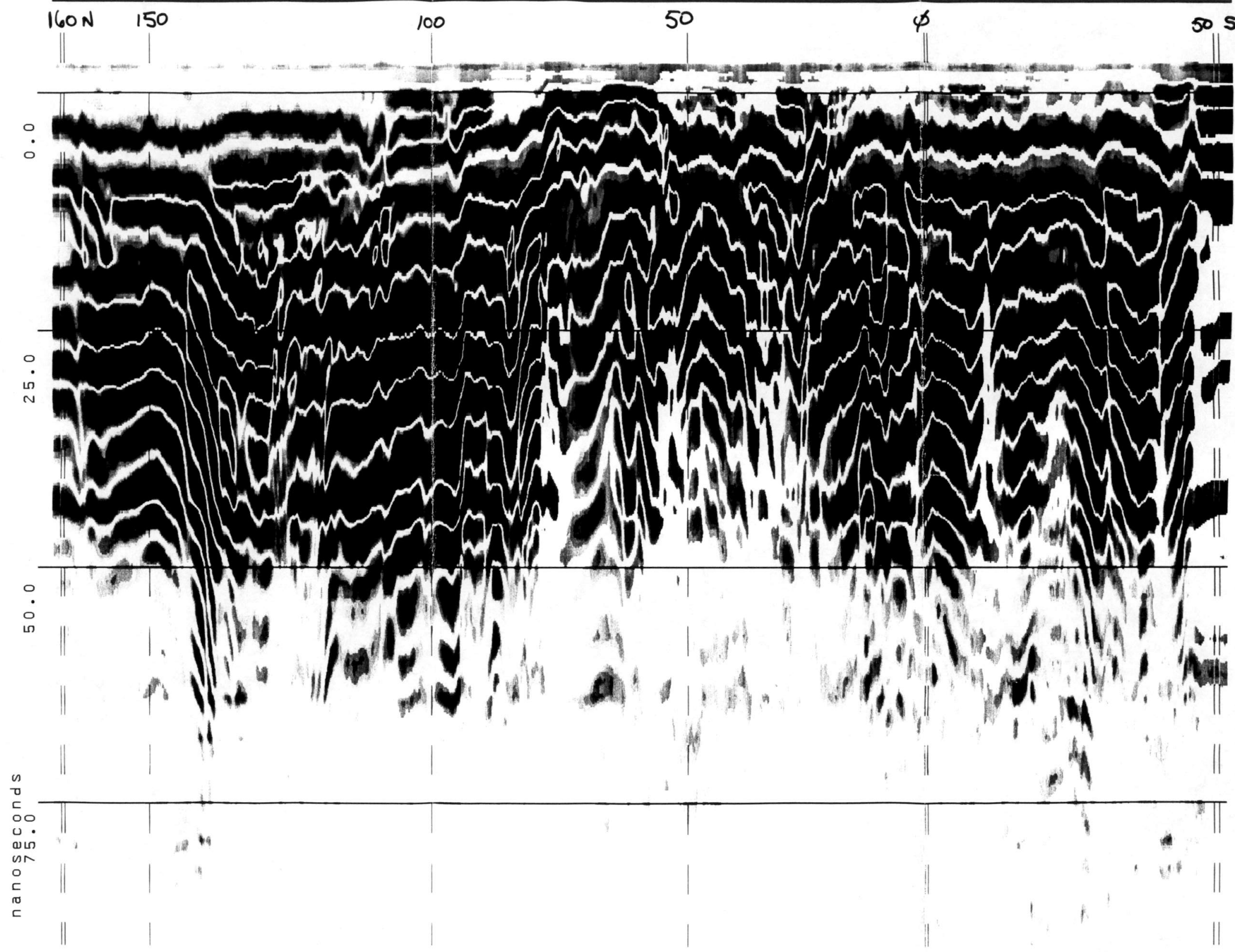
Ft. Monmouth NJ

Main Post Site M3

Line 300 E, Marks at 50' intervals

Start: 160 N End: 50 S

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 25 FILE25 Created December 14, 1994 11:16:14

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low Pass N=2 F=48  
Vert: IIR high Pass N=2 F=8  
Horiz: IIR stacking TC=4

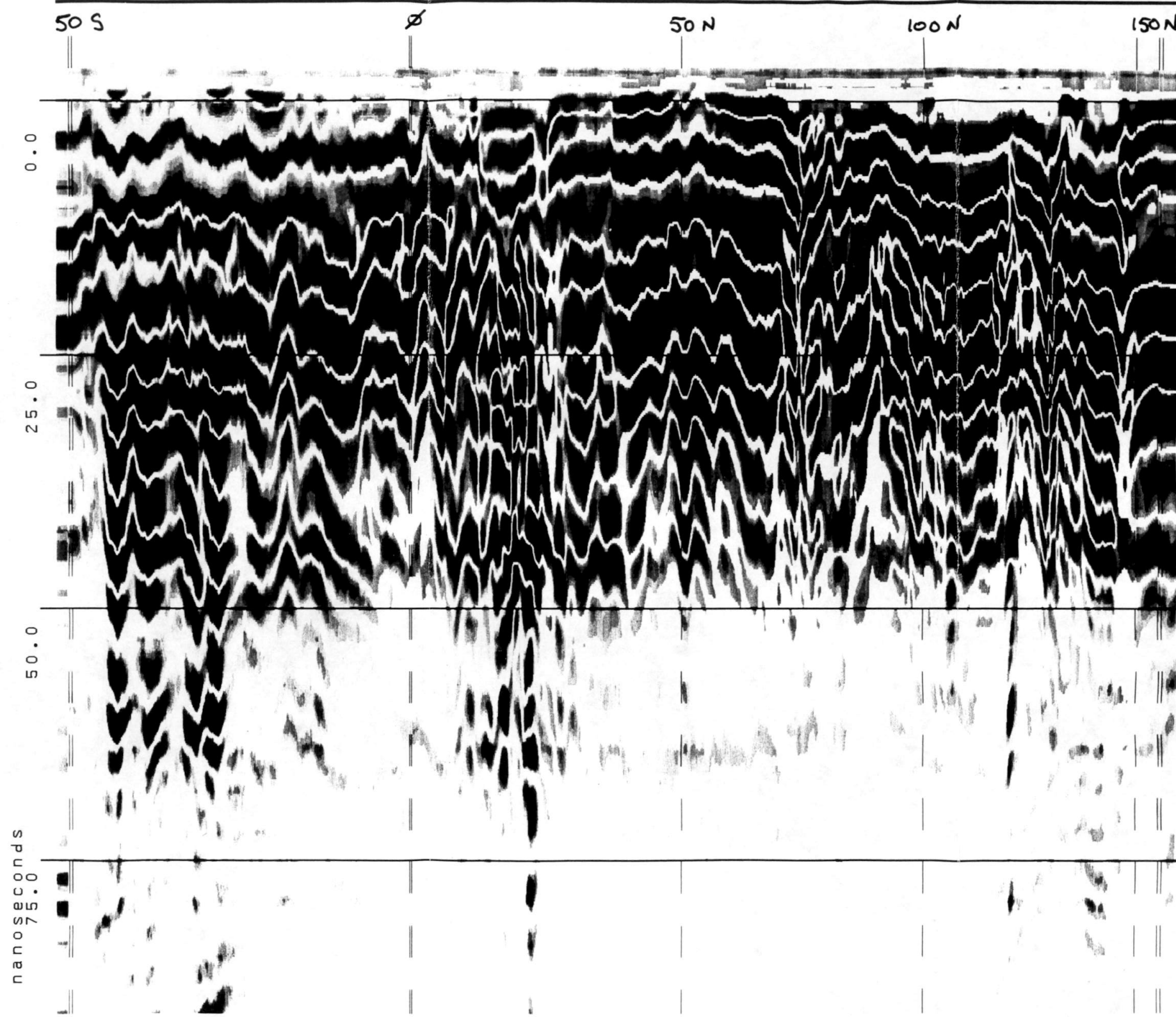
Ft. Monmouth NJ

Main Post Site M3

Line 350 E, Marks at 50' intervals

Start: 50 S End: 150 N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 26 FILE26 Created December 14, 1994 11:23:10

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low pass N=2 F=48  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

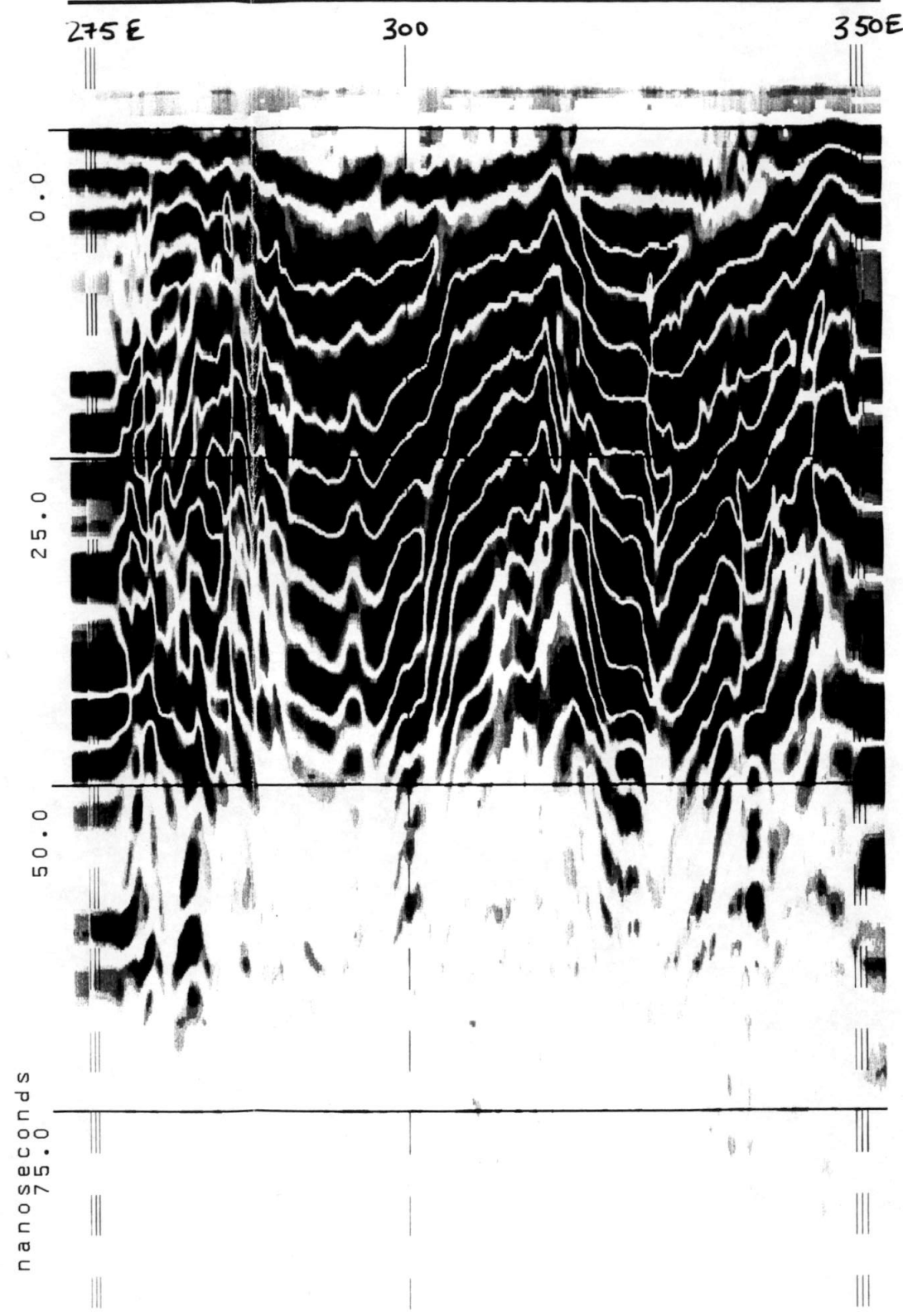
Ft. Monmouth NJ

Main Post Site M3

Line 150 N, Marks at 50' intervals

Start: 275 E End: 350 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 27 FILE27 Created December 14, 1994 11:28:06

512 samples/scan 25.004 scans/sec  
Position: -3 ns range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert. IIR low pass N=2 F=48  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

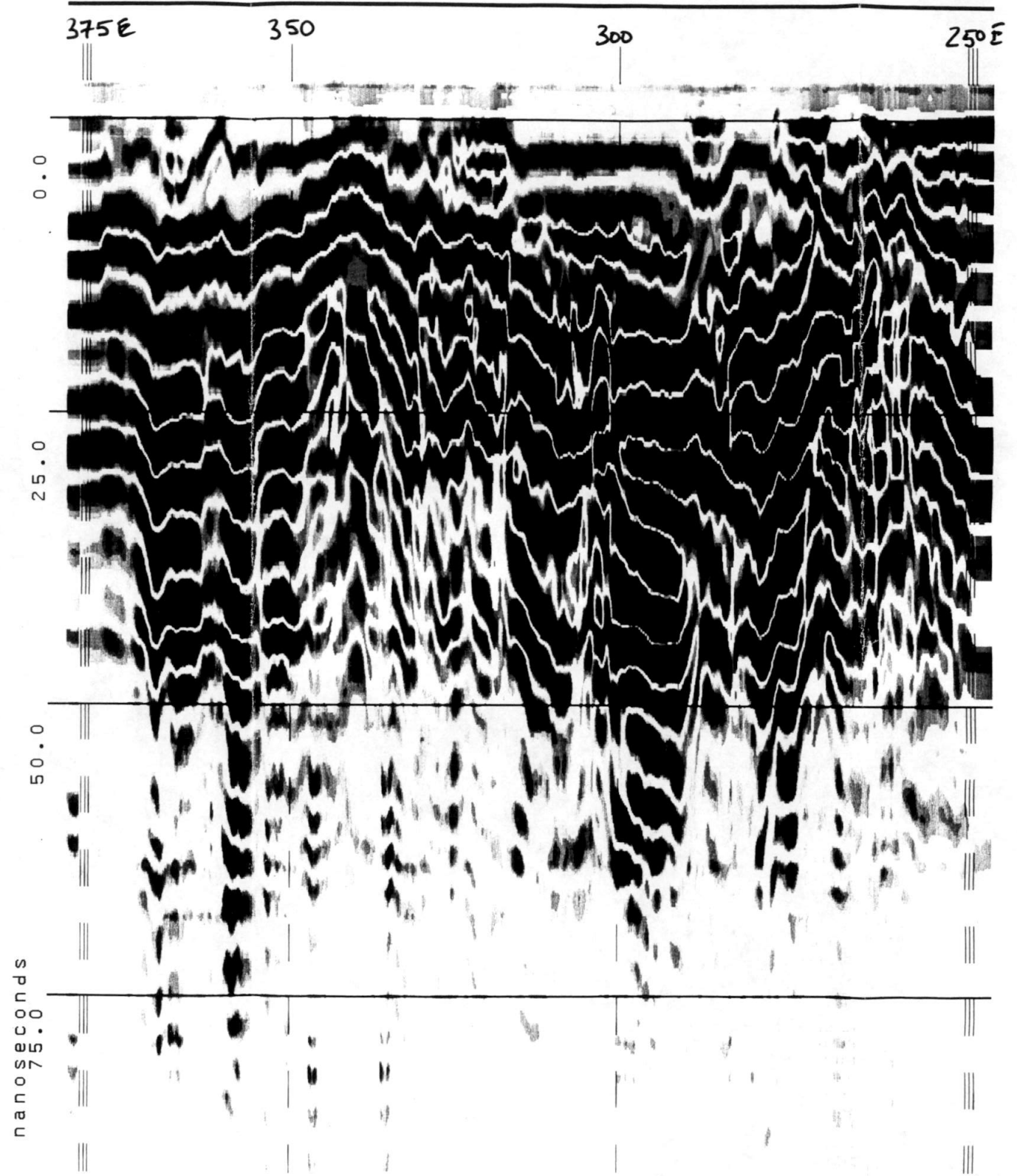
Ft. Monmouth NJ

Main Post Site M3

Line 140 N, Marks at 50' intervals

Start: 375 E End: 250 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 28 FILE28 Created December 14, 1994 11:32:06

512 samples/scan 25.004 scans/sec  
Position: -3 nS range: 100 nS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low Pass N=2 F=48  
Horiz: IIR high Pass N=2 F=8  
IIR stacking TC=4

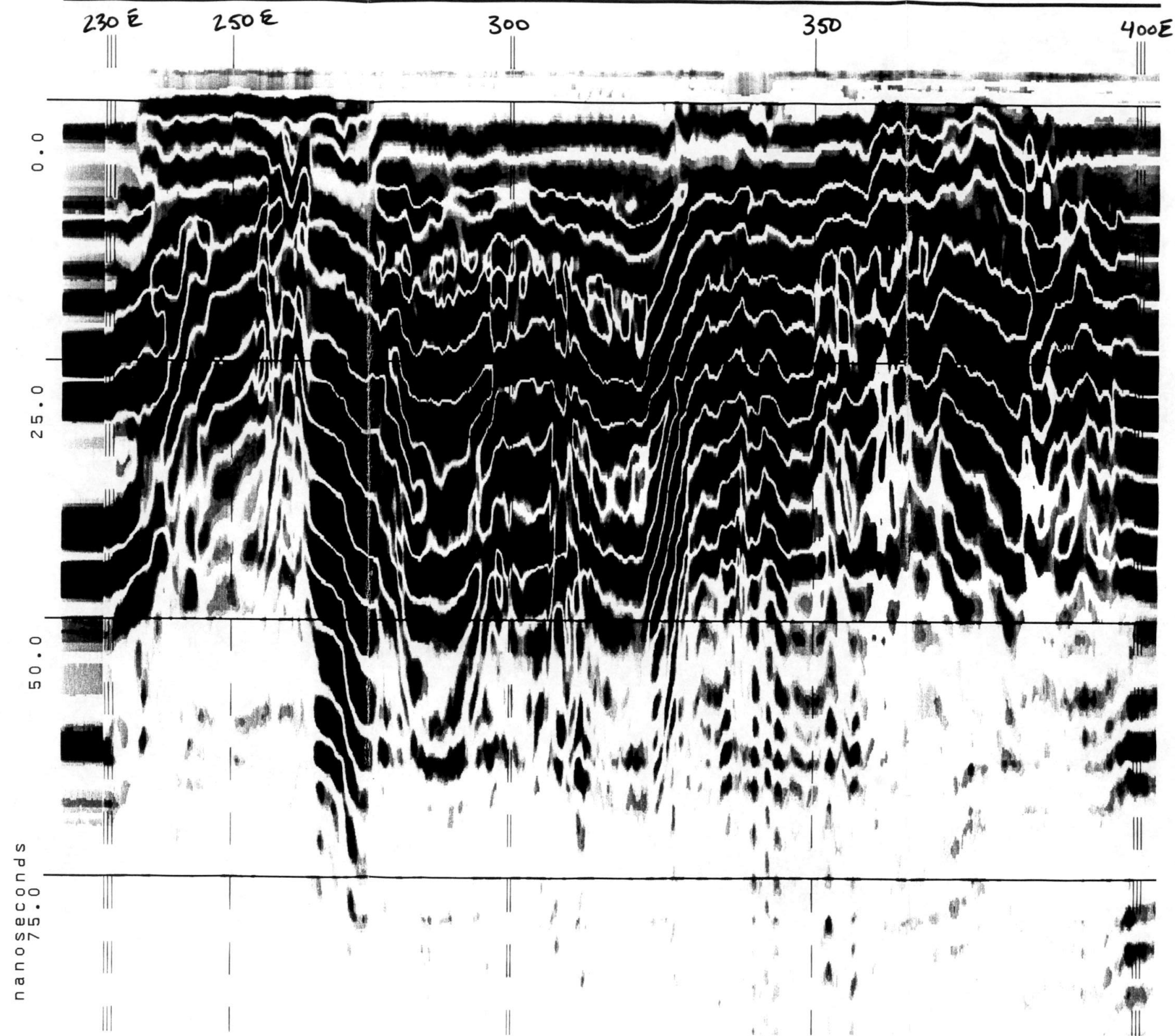
Ft. Monmouth NJ

Main Post Site M3

Line 120 N, Marks at 50' intervals

Start: 230 E End: 400 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 29 FILE29 Created December 14, 1994 11:38:58

512 samples/scan 25.004 scans/sec  
Position: -3 nS range: 100 nS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low Pass N=2 F=48  
Vert: IIR high Pass N=2 F=8  
Horiz: IIR stacking TC=4

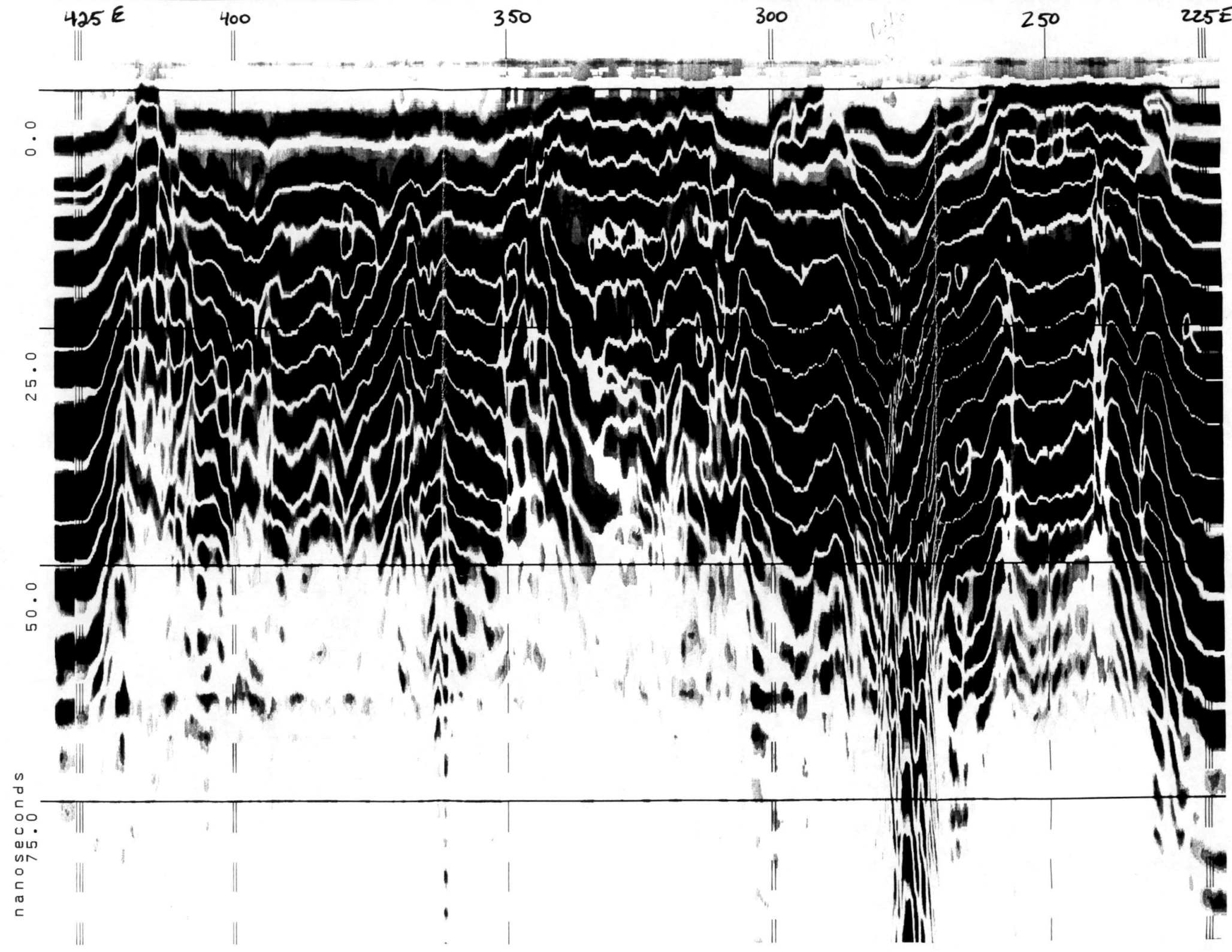
Ft. Monmouth NJ

Main Post Site M3

Line 100 N, Marks at 50' intervals

Start: 425 E End: 225 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 30 FILE30 Created December 14, 1994 11:46:10

512 samples/scan 25.004 scans/sec  
Position: -3 ns range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low Pass N=2 F=48  
Vert: IIR high Pass N=2 F=8  
Horiz: IIR stacking TC=4

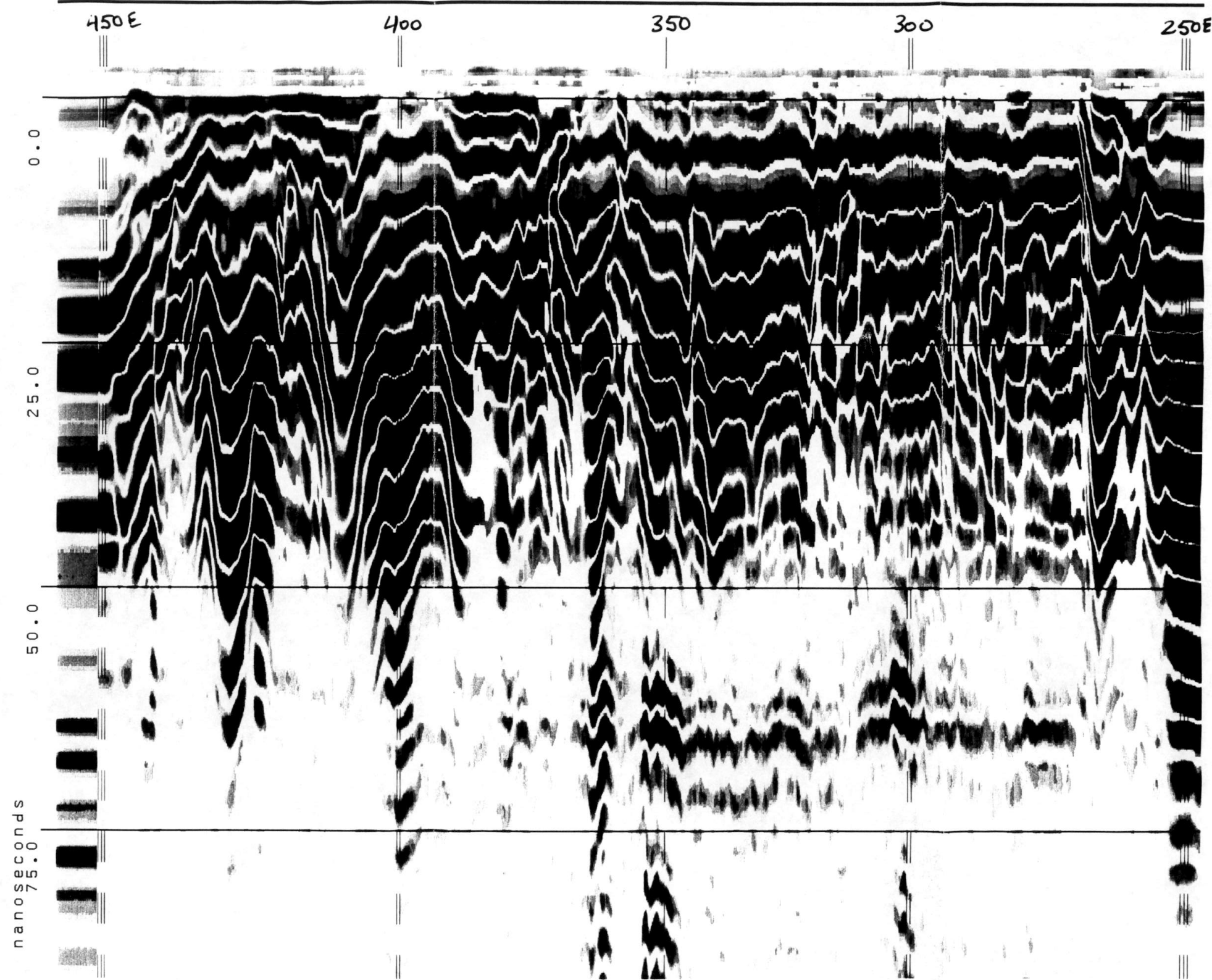
Ft. Monmouth NJ

Main Post Site M3

Line 50 N, Marks at 50' intervals

Start: 450 E End: 250 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 31 FILE31 Created December 4, 1994 11:52:38

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert. IIR low pass N=2 F=48  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

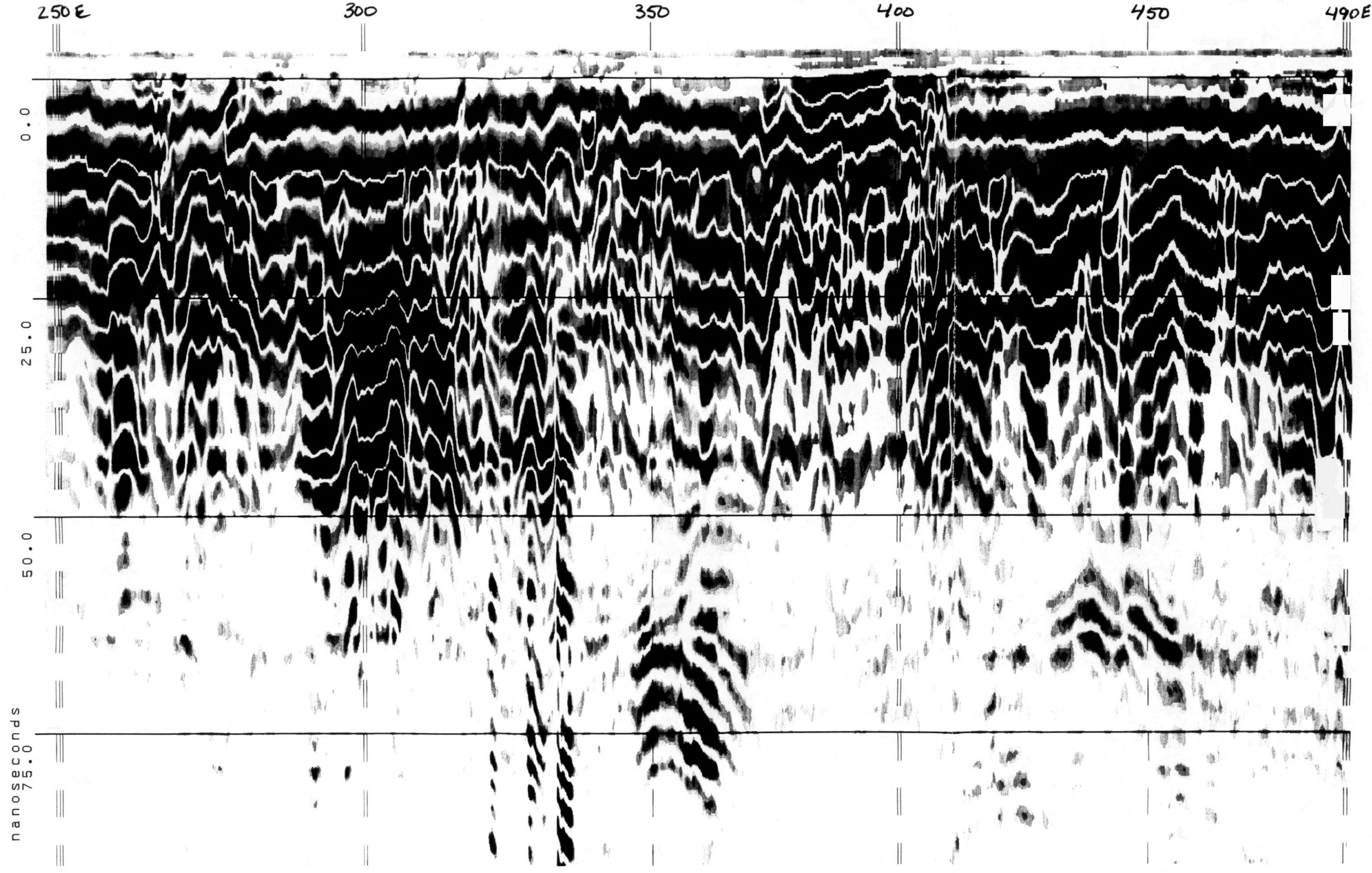
Ft. Monmouth NJ

Main Post Site M3

Line 0 N, Marks at 50 intervals

Start: 250 E End: ~~500~~ 490 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 32 FILE32 Created December 14, 1994 12:08:34

512 samples/scan 25.004 scans/sec  
Position: -3 nS range: 100 nS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low pass N=2 F=48  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

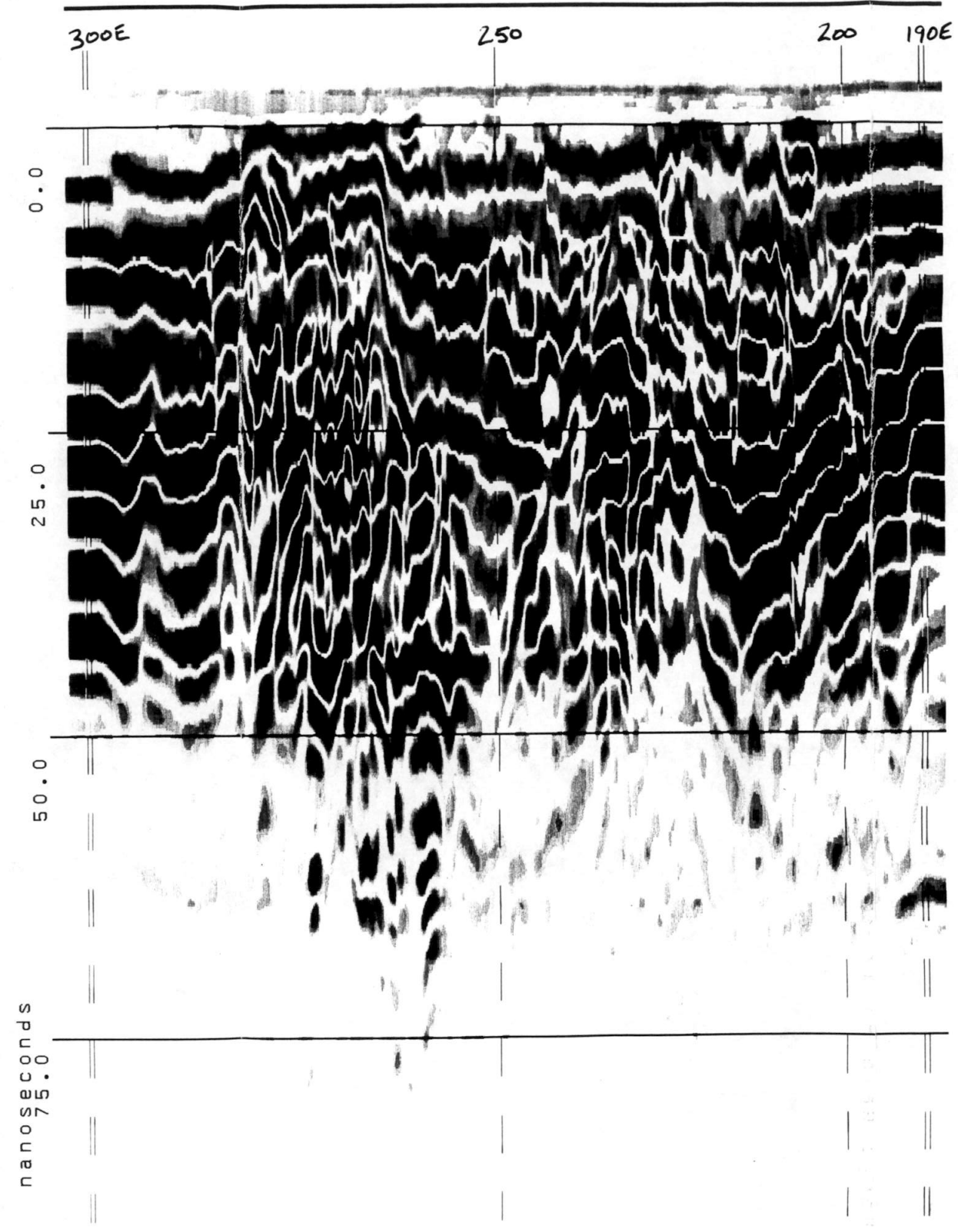
Ft. Monmouth NJ

Main Post Site M3

Line 150 N, Marks at 50' intervals

Start: 300 E End: 200 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 33 FILE33 Created December 14, 1994 12:15:58

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low Pass N=2 F=48  
Vert: IIR high Pass N=2 F=8  
Horiz: IIR stacking TC=4

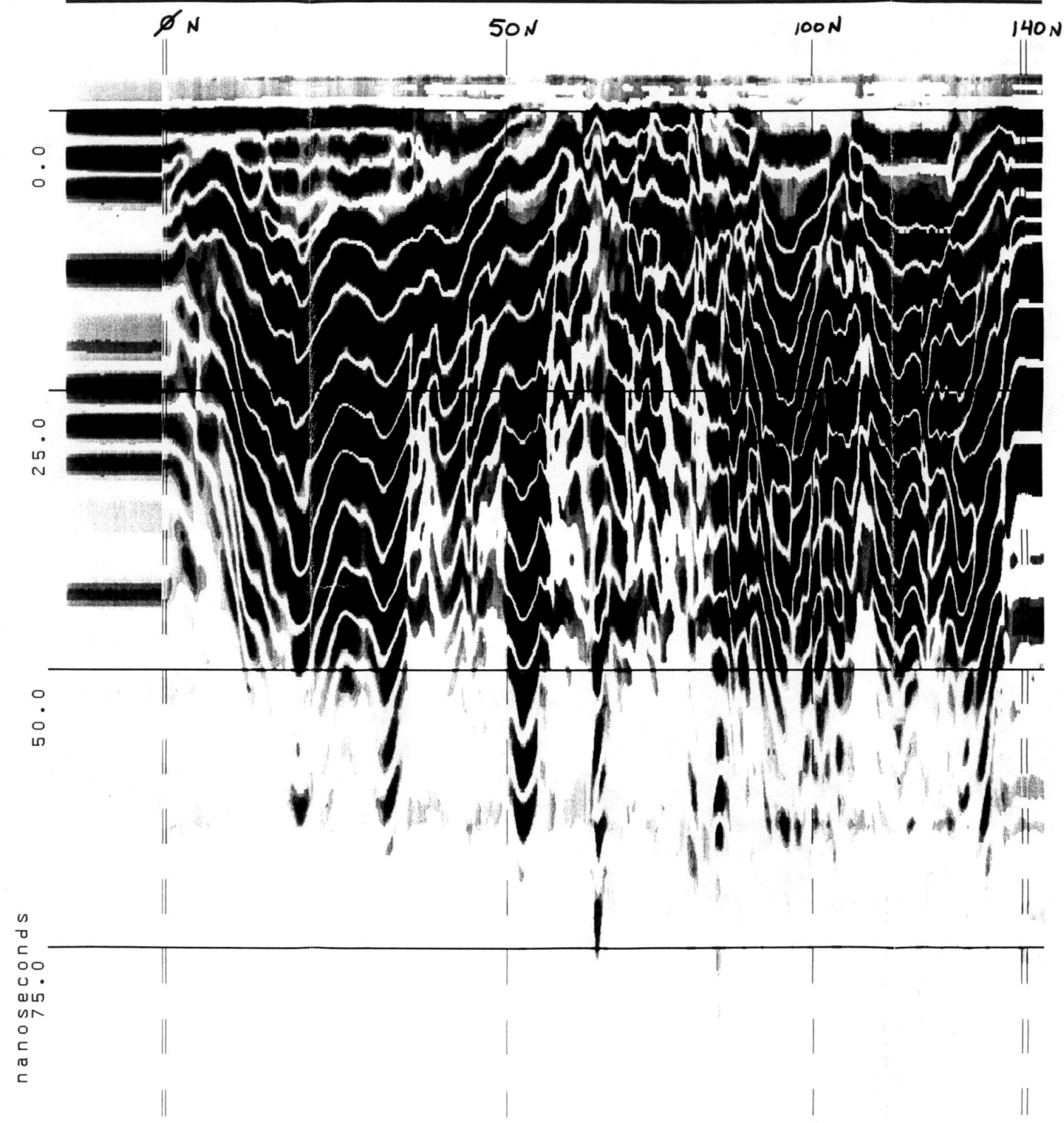
Ft. Monmouth NJ

Main Post Site M3

Line 400 E, Marks at 50' intervals

Start: 0 N End: 140 N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 34 FILE34 Created December 14, 1994 12:19:24

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 nS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low pass N=2 F=48  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

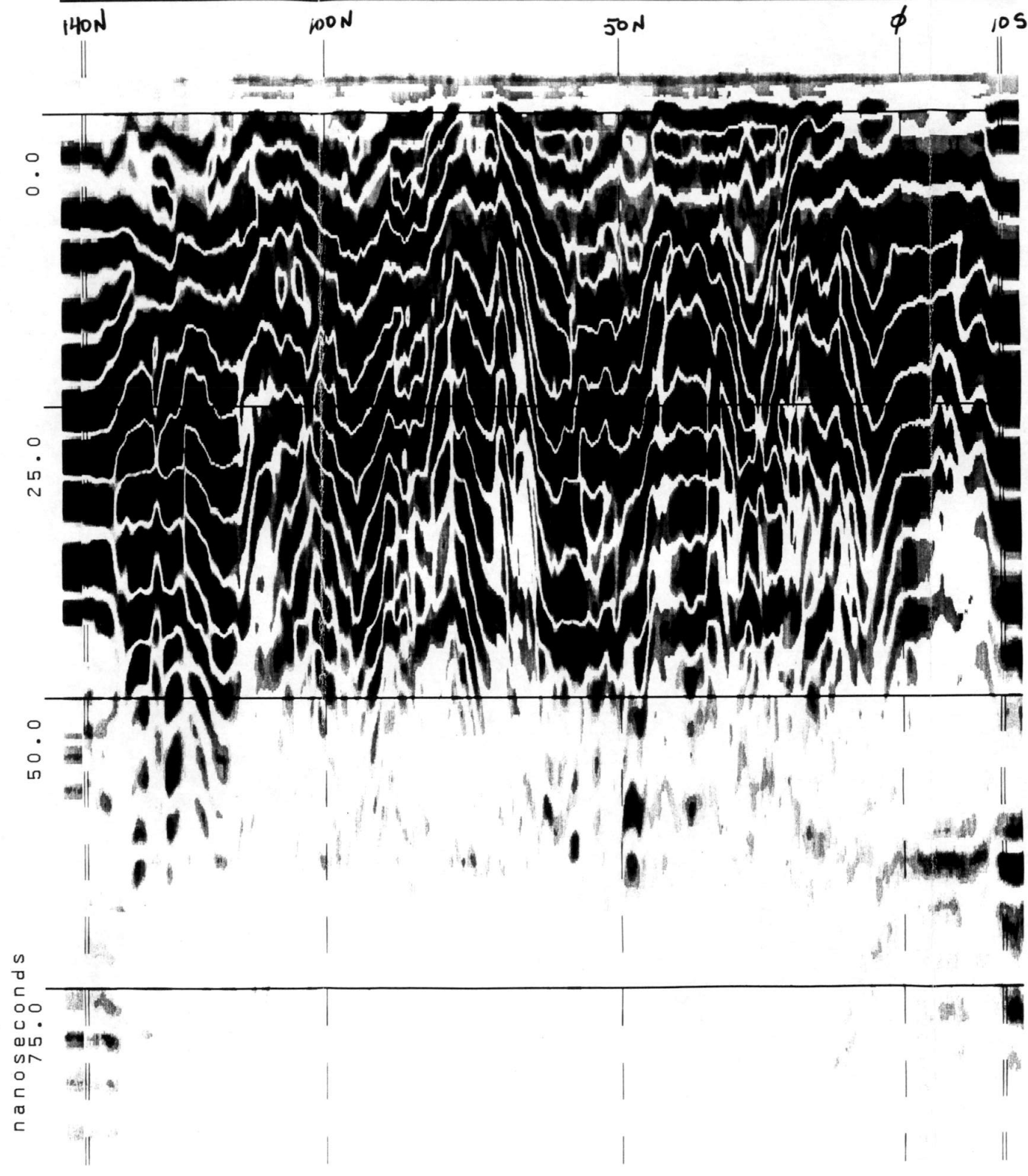
Ft. Monmouth NJ

Main Post Site M3

Line 450 E, Marks at 50' intervals

Start: 140 N End: 10 NS

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 35 FILE35 Created December 14, 1994 12:23:14

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low pass N=2 F=48  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

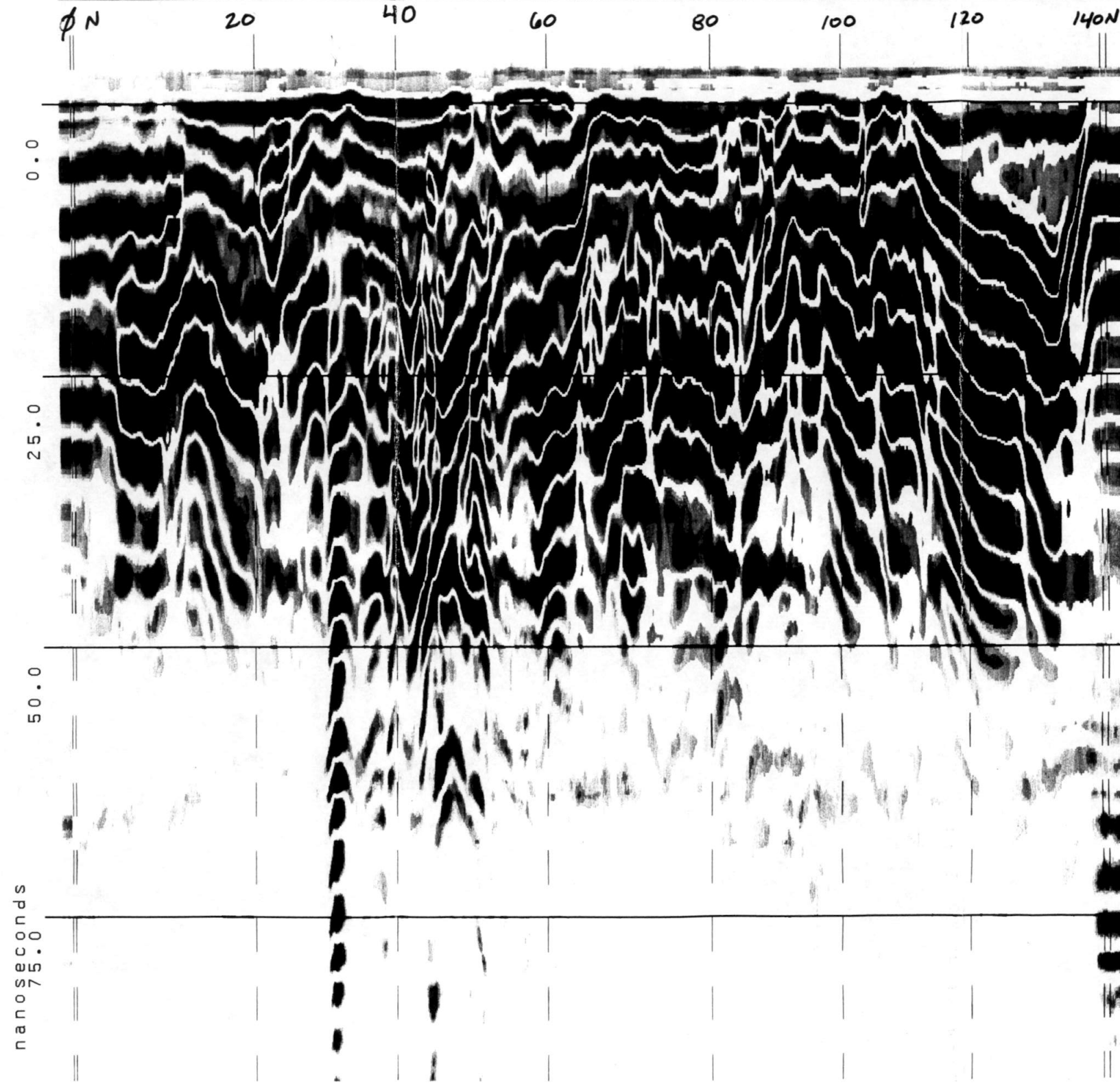
Ft. Monmouth NJ

Main Post Site M3

Line 500 E, Marks at <sup>205</sup>~~50~~ intervals

Start 0 N End: 140 N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 36 FILE36 Created December 14, 1994 12:28:20

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low pass N=2 F=48  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

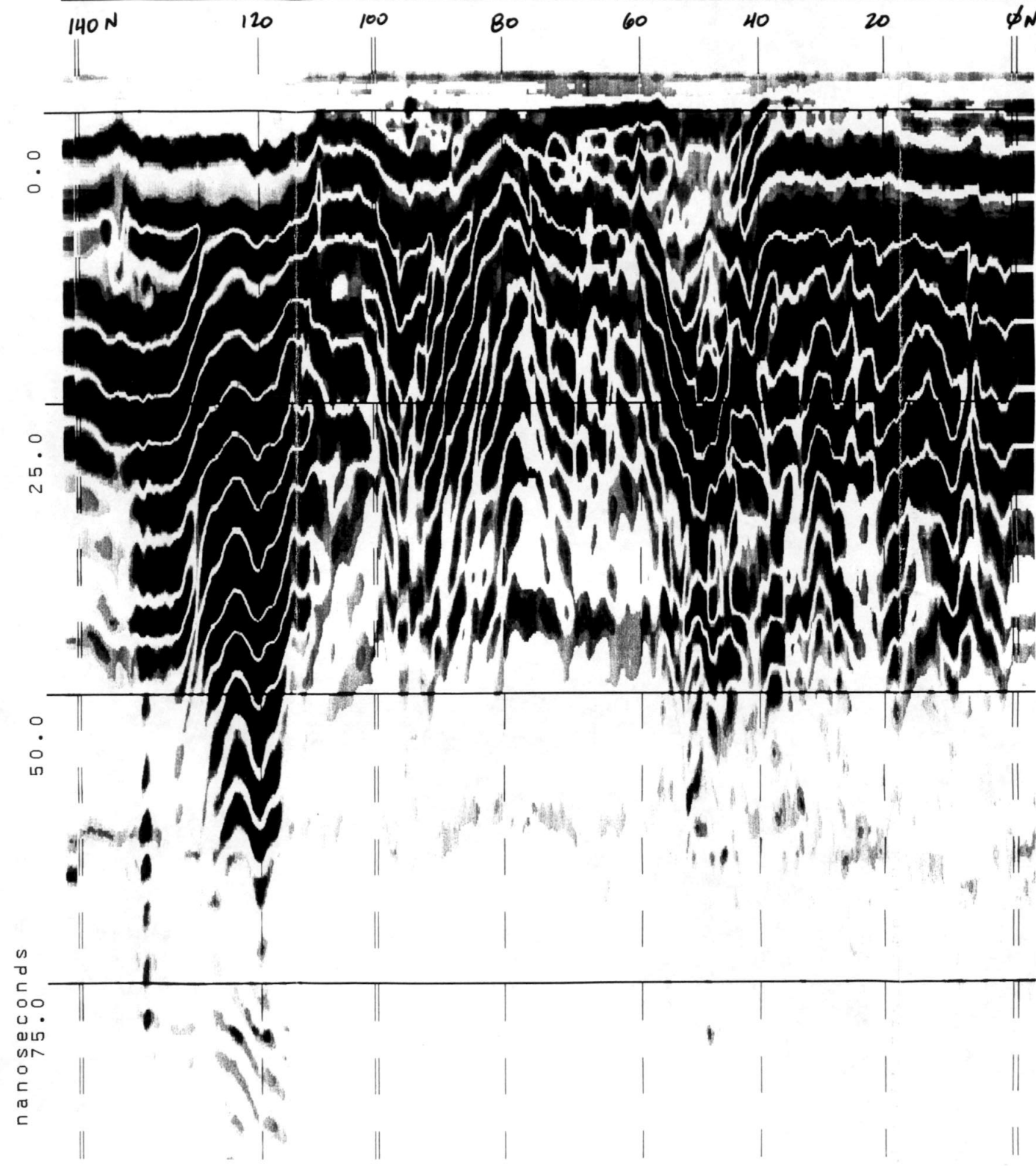
Ft. Monmouth NJ

Main Post Site M3

Line 475 E, Marks at 50' intervals

Start 140 N End: 0 N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 37 FILE37 Created December 14, 1994 12:33:06

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert. IIR low pass N=2 F=48  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

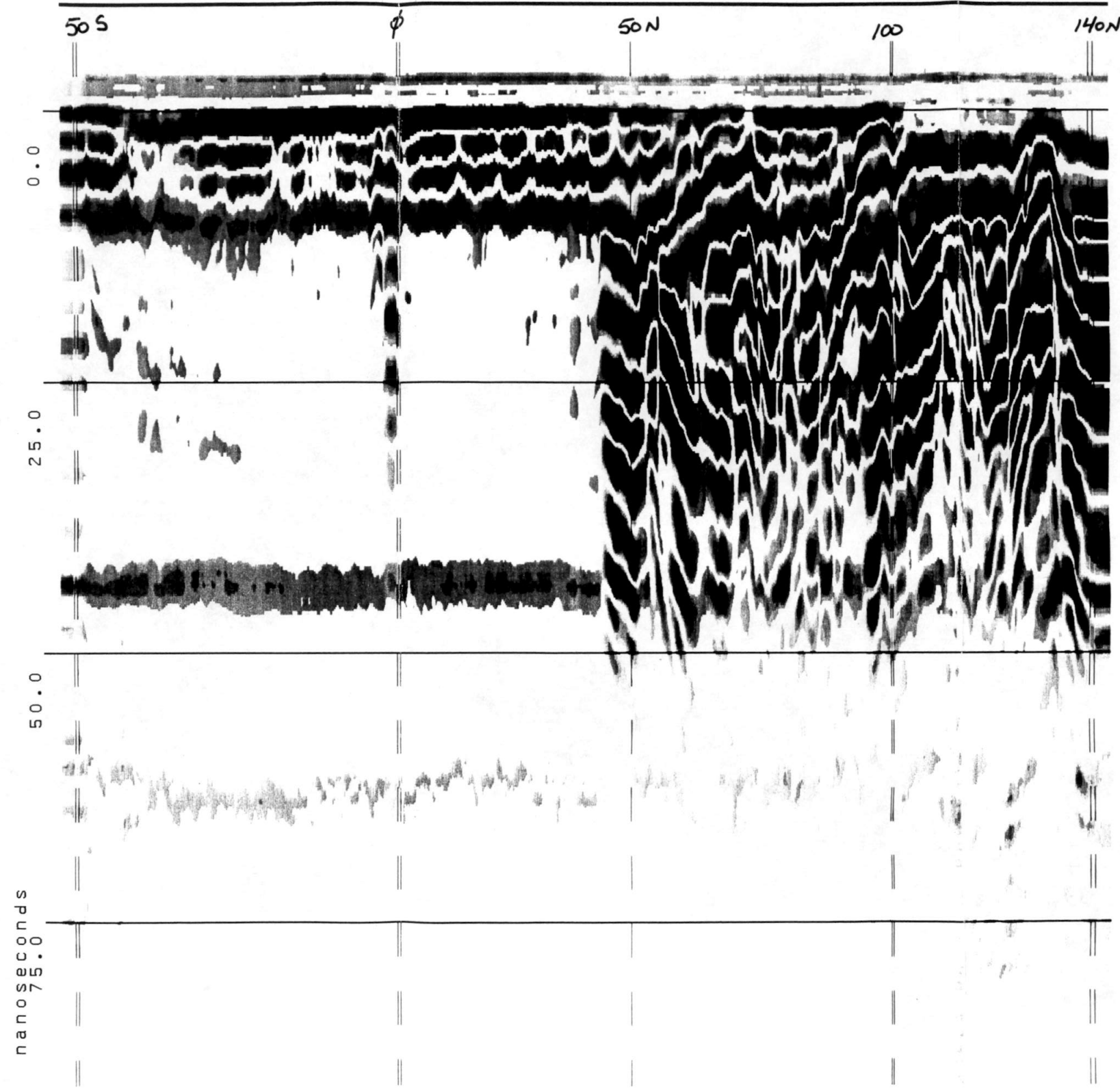
Ft. Monmouth NJ

Main Post Site M3

Line 550 E, Marks at 50' intervals

Start 50 S End: 140 N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 38 FILE38 Created December 14, 1994 12:37:18

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert. IIR low Pass N=2 F=48  
Vert. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

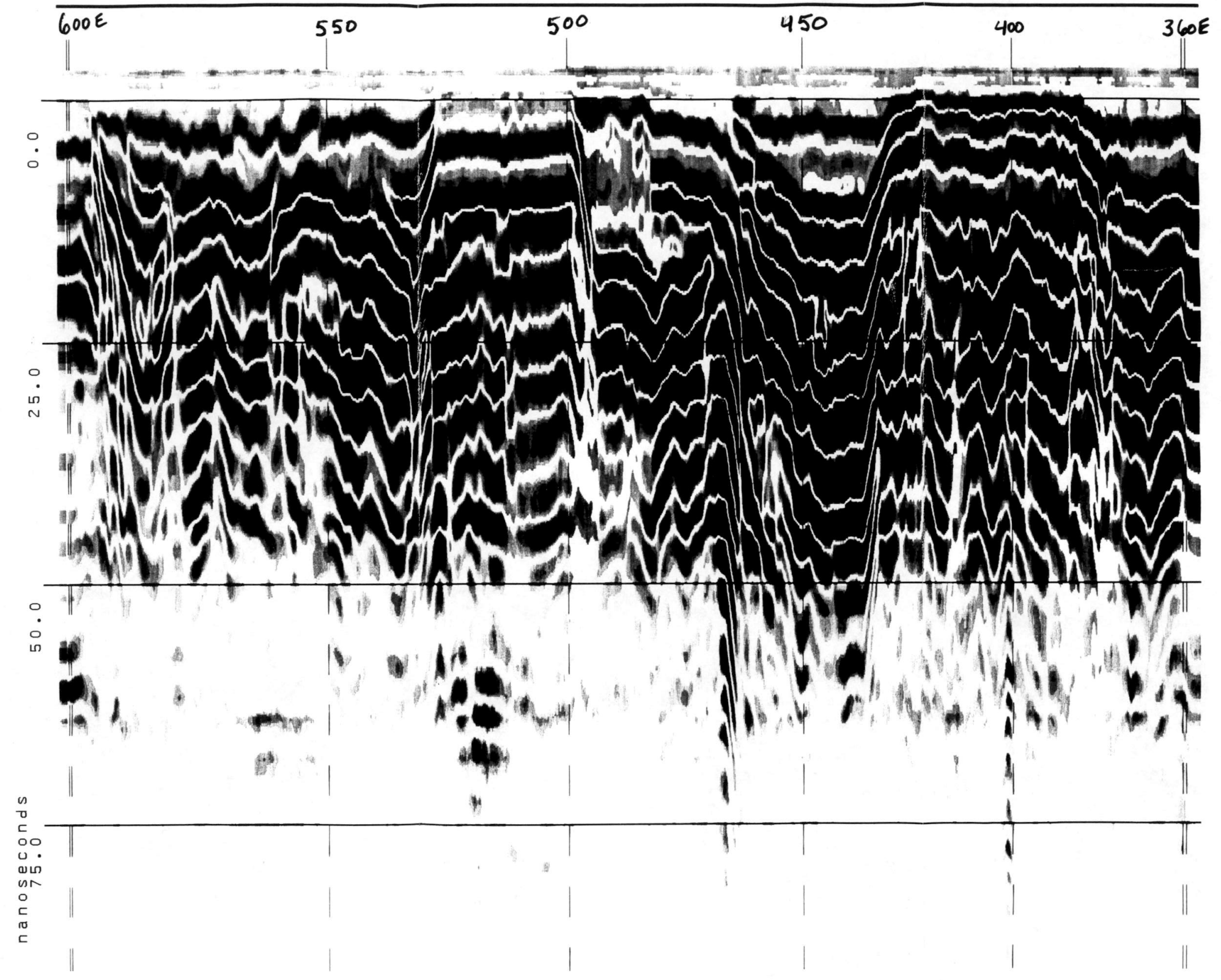
Ft. Monmouth NJ

Main Post Site M3

Line 140 N, Marks at 50' intervals

Start 600 E End: 450 E 360 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 39 FILE39 Created December 14, 1994 12:41:28

512 samples/scan 25.004 scans/sec  
Position: -3 ns range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low pass N=2 F=48  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

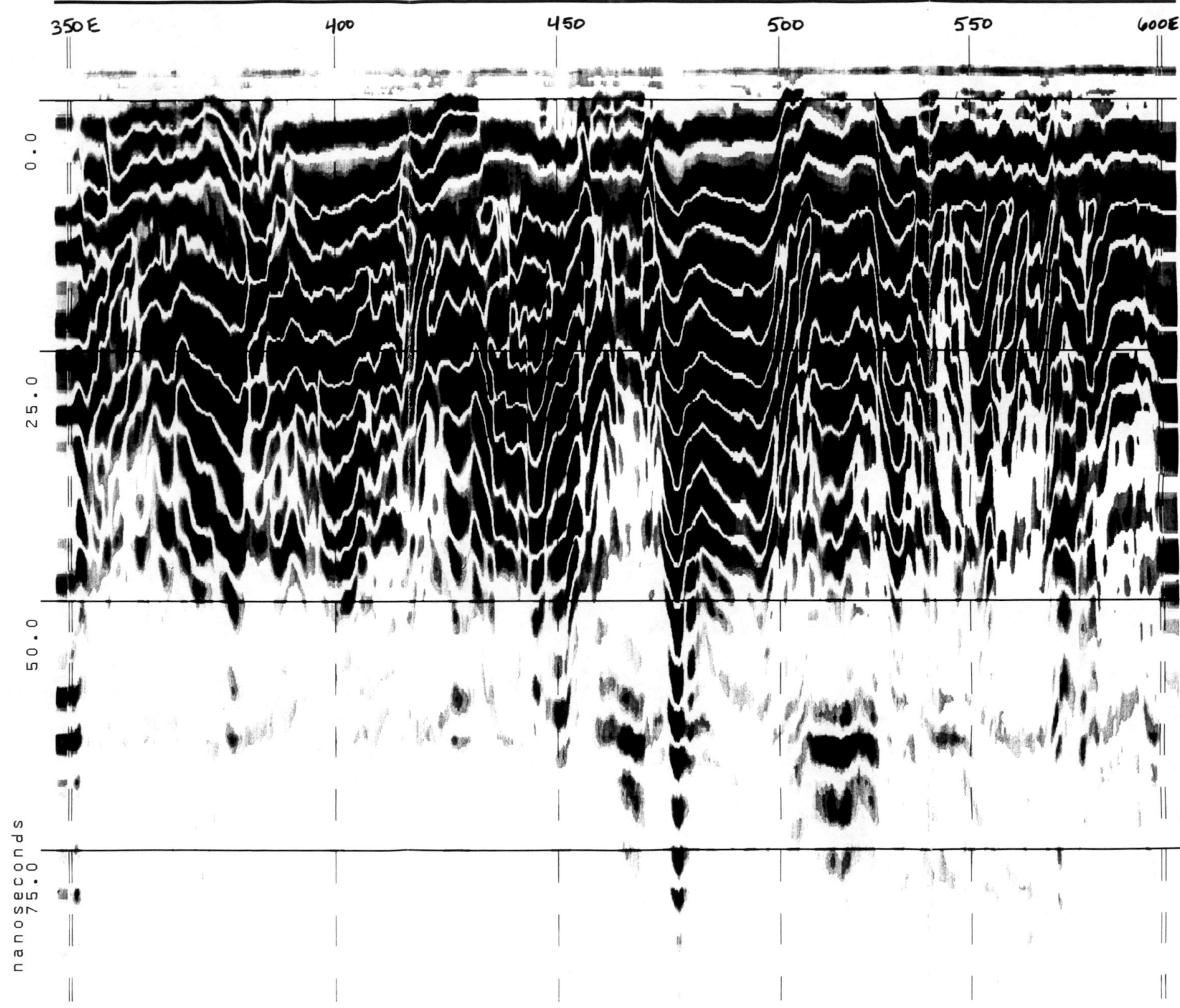
Ft. Monmouth NJ

Main Post Site M3

Line 120 N, Marks at 50' intervals

Start 350 E End: 600 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 40 FILE40 Created December 14, 1994 12:44:46

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert. IIR low Pass N=2 F=48  
Vert. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

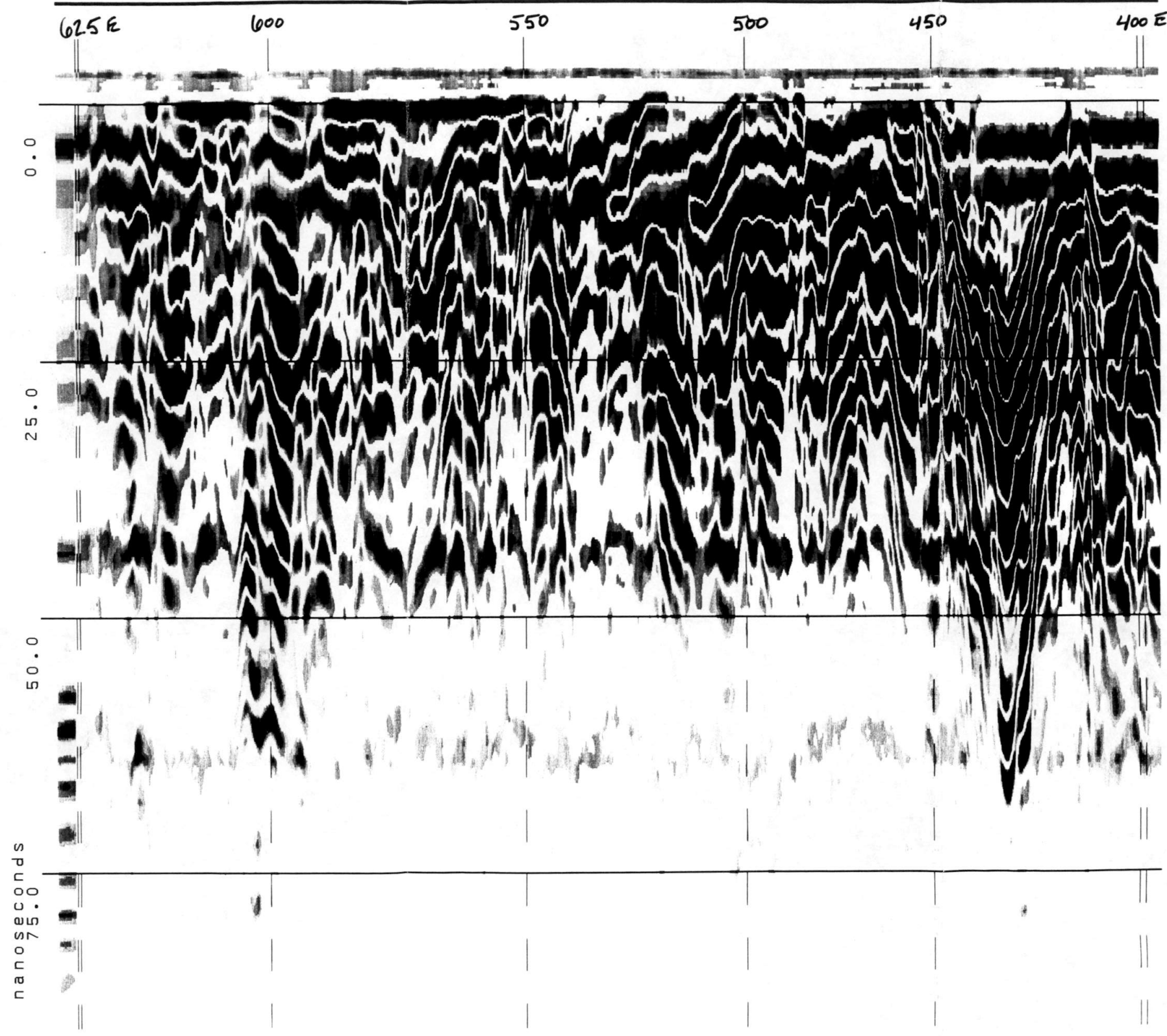
Ft. Monmouth NJ

Main Post Site M3

Line 100 N, Marks at 50' intervals

Start 625 E End: 400 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 41 FILE41 Created December 14, 1994 12:50:00

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert. IIR low Pass N=2 F=48  
Vert. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

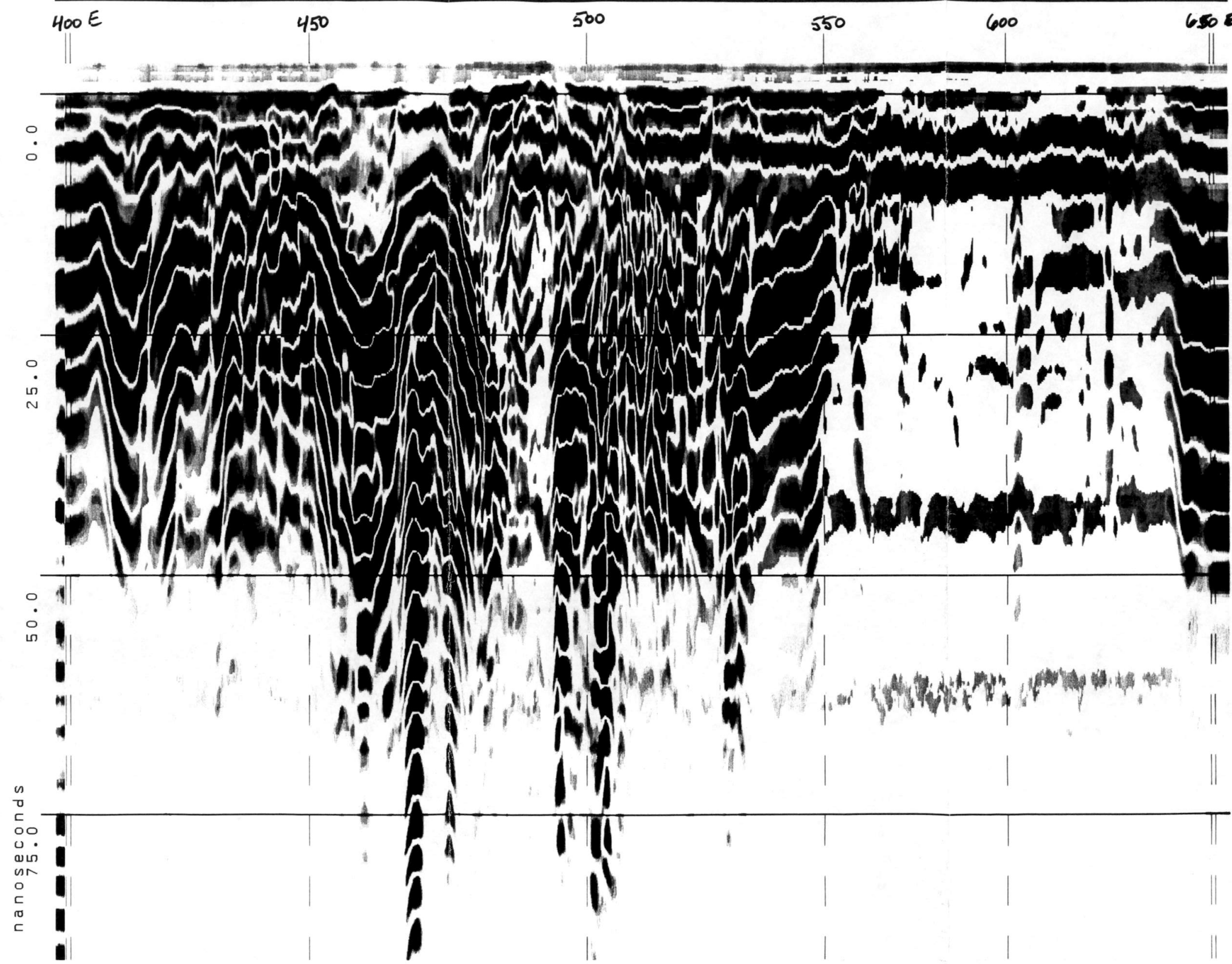
Ft. Monmouth NJ

Main Post Site M3

Line 50 N, Marks at 50' intervals

Start 400 E End: 650 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 42 FILE42 Created December 14, 1994 12:54:32

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert. IIR low Pass N=2 F=48  
Horiz. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

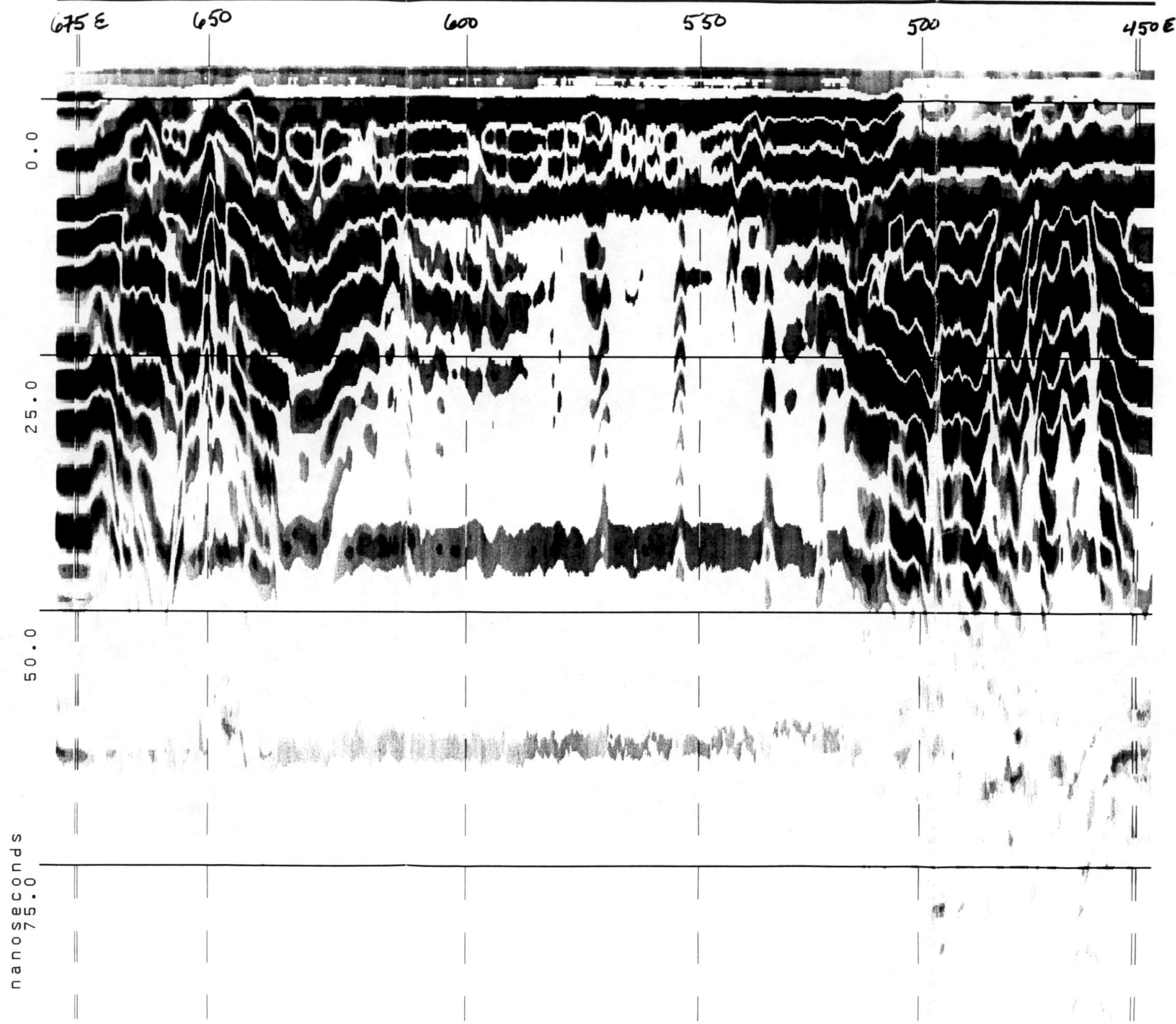
Ft. Monmouth NJ

Main Post Site M3

Line 0 N, Marks at 50' intervals

Start 675 E End: 450 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 44 FILE44 Created December 14, 1994 15:10:56

512 samples/scan 25.004 scans/sec  
position: -3 nS range: 100 nS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert. IIR low Pass N=2 F=48  
Vert. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

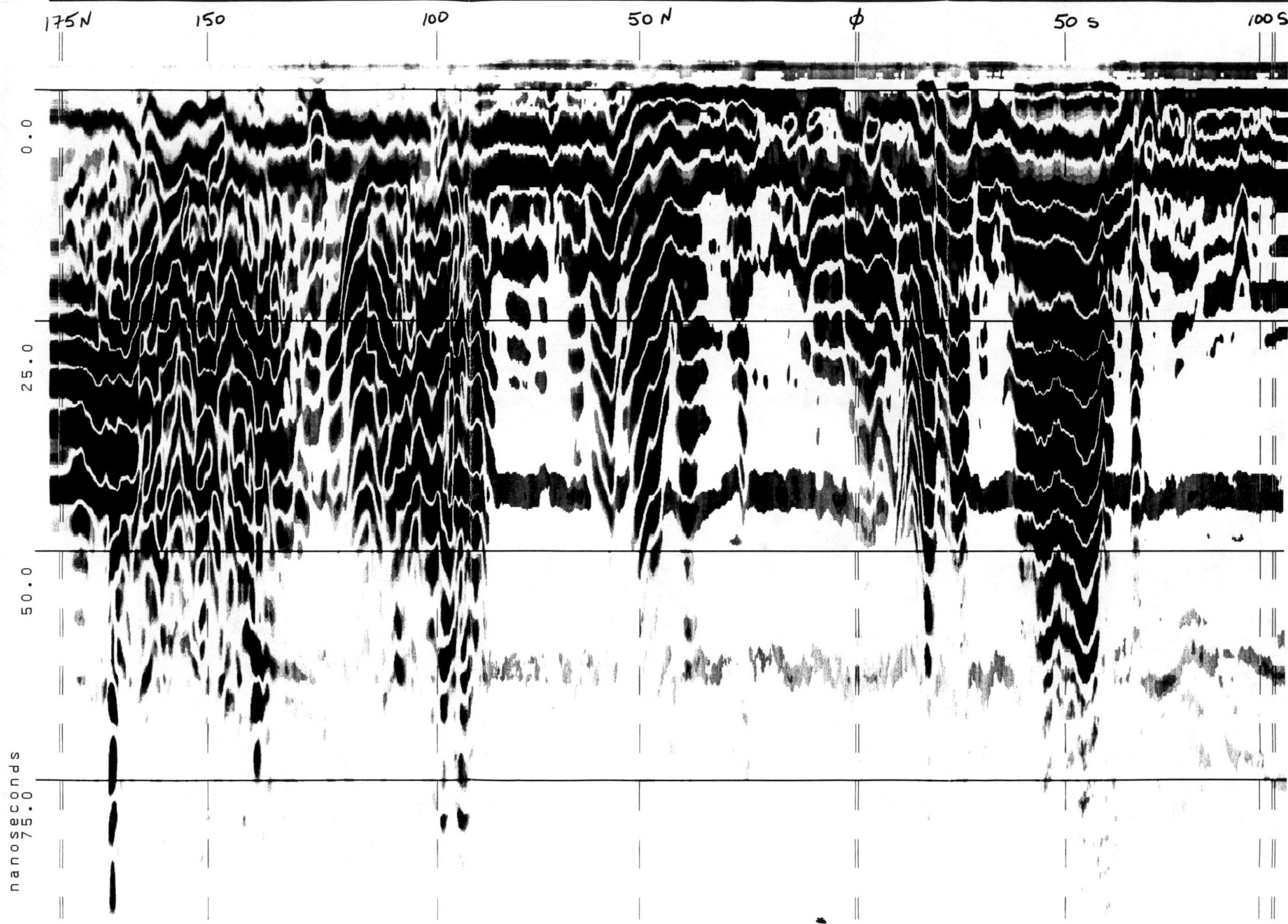
Ft. Monmouth NJ

Main Post Site M3

Line 650 E, Marks at 50' intervals

Start: 175 N End: 100 S

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 45 FILE45 Created December 14, 1994 15:14:54

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low Pass N=2 F=48  
Vert: IIR high Pass N=2 F=8  
Horiz: IIR stacking TC=4

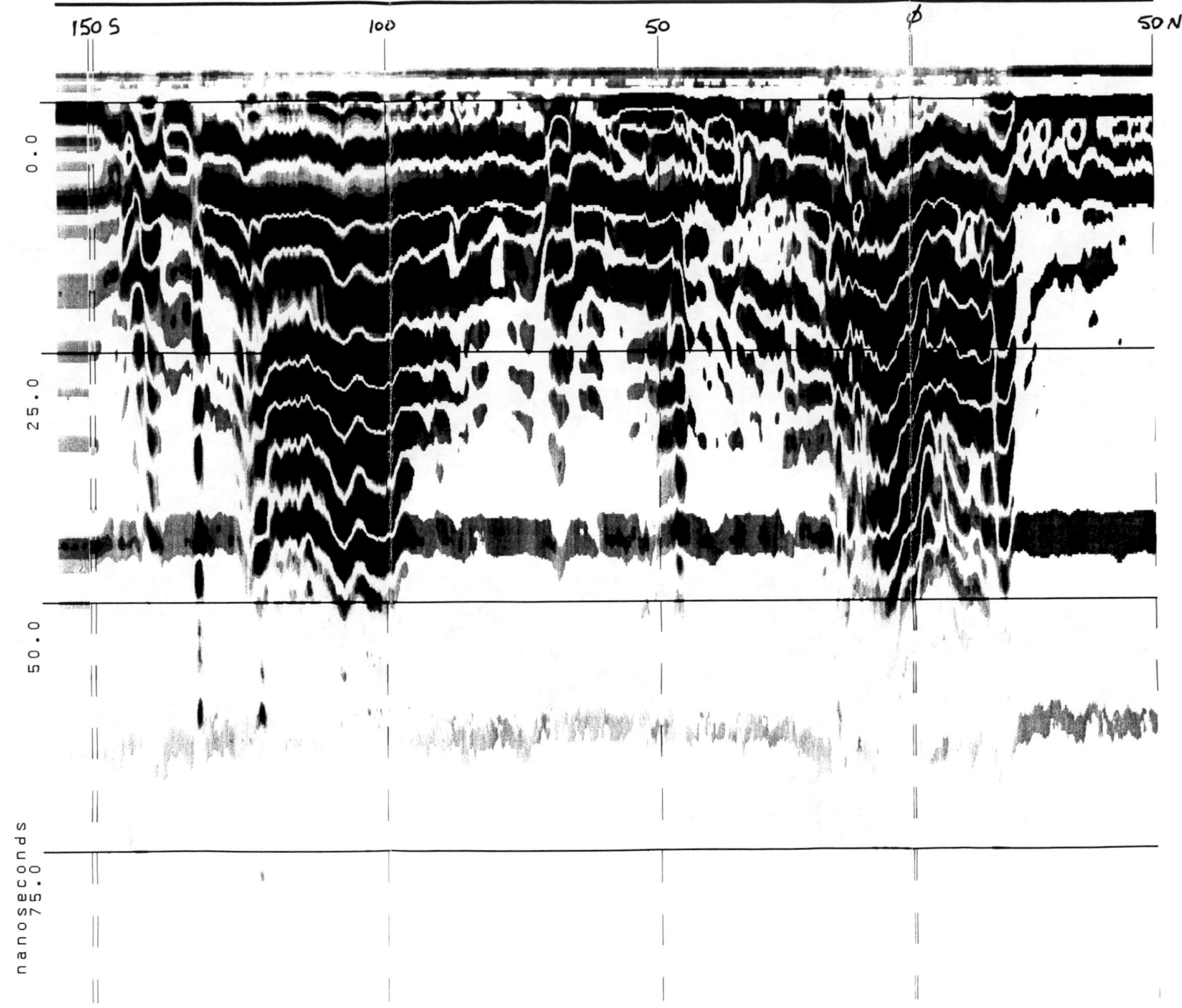
Ft. Monmouth NJ

Main Post Site M3

Line 700 E, Marks at 50' intervals

Start: 150 S End: 185 N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



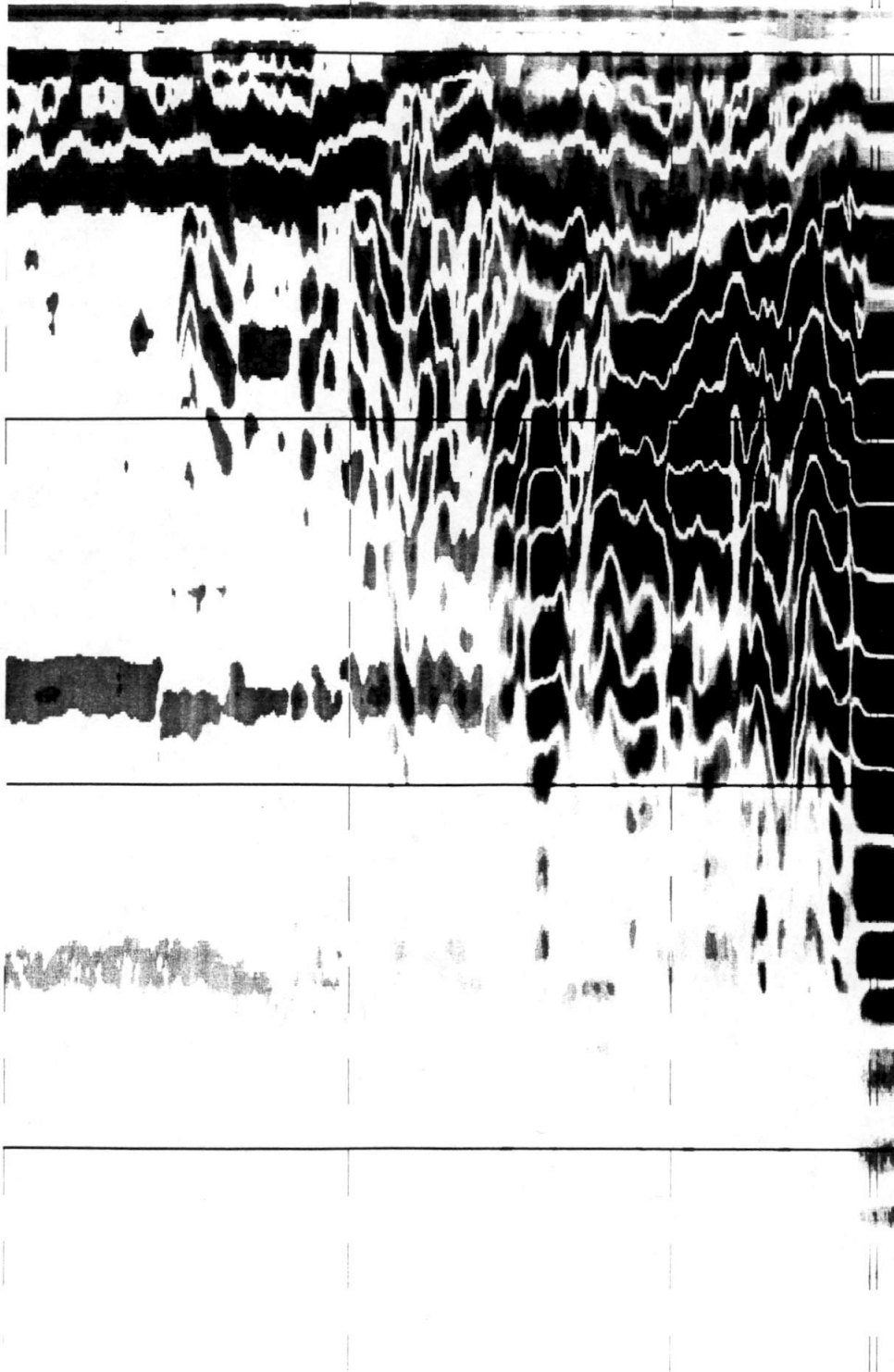
50 N

100

150

185 N

FILE 45 (CONTINUED)





File 46 FILE46 Created December 14, 1994 15:22:18

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert. IIR low Pass N=2 F=48  
Vert. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

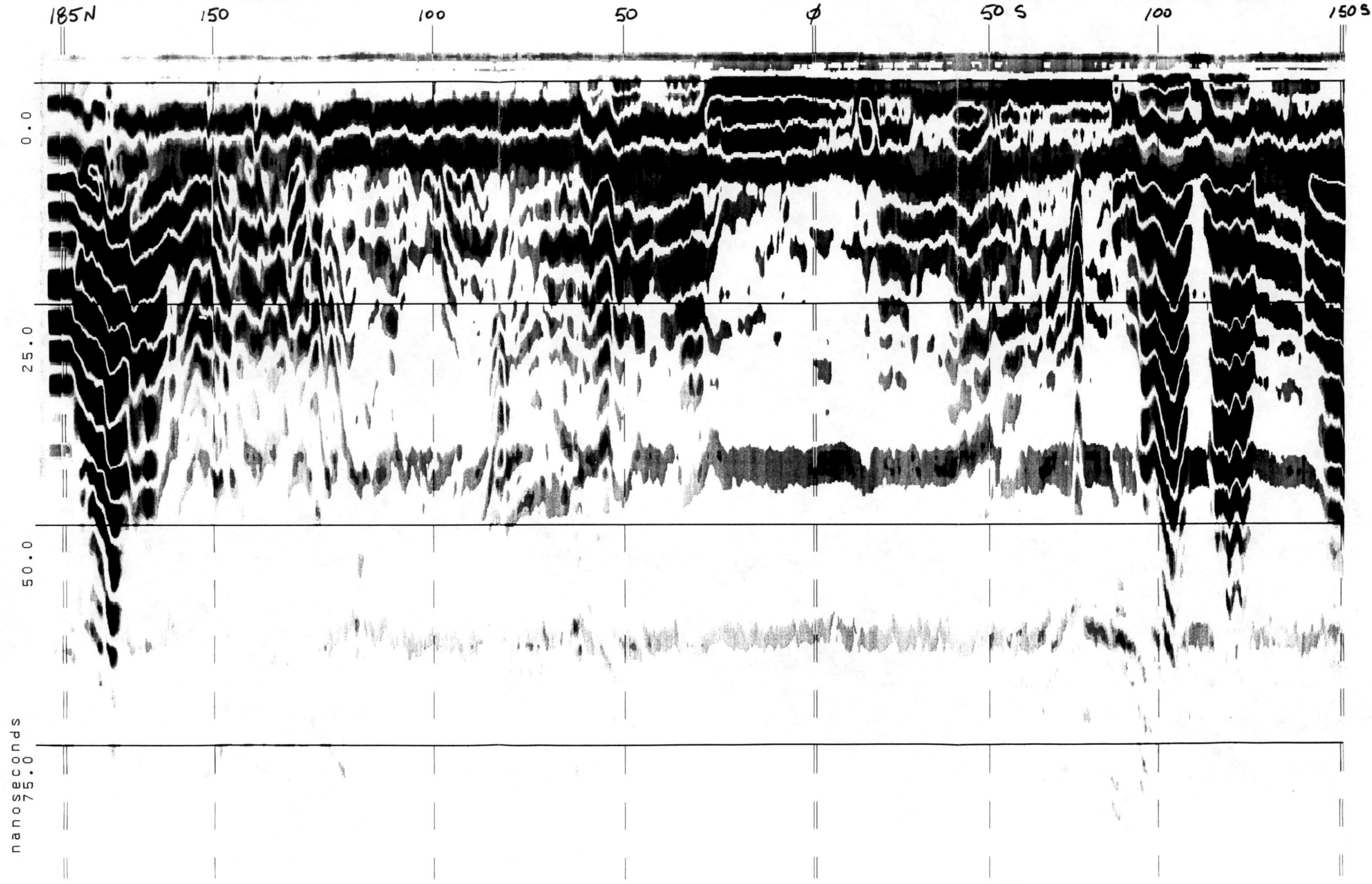
Ft. Monmouth NJ

Main Post Site M3

Line 750 E, Marks at 50' intervals

Start: 185 N End: 150 S

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 47 FILE47 Created December 14, 1994 15:30:16

512 samples/scan 25.004 scans/sec  
Position: -3 ns range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low pass N=2 F=48  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

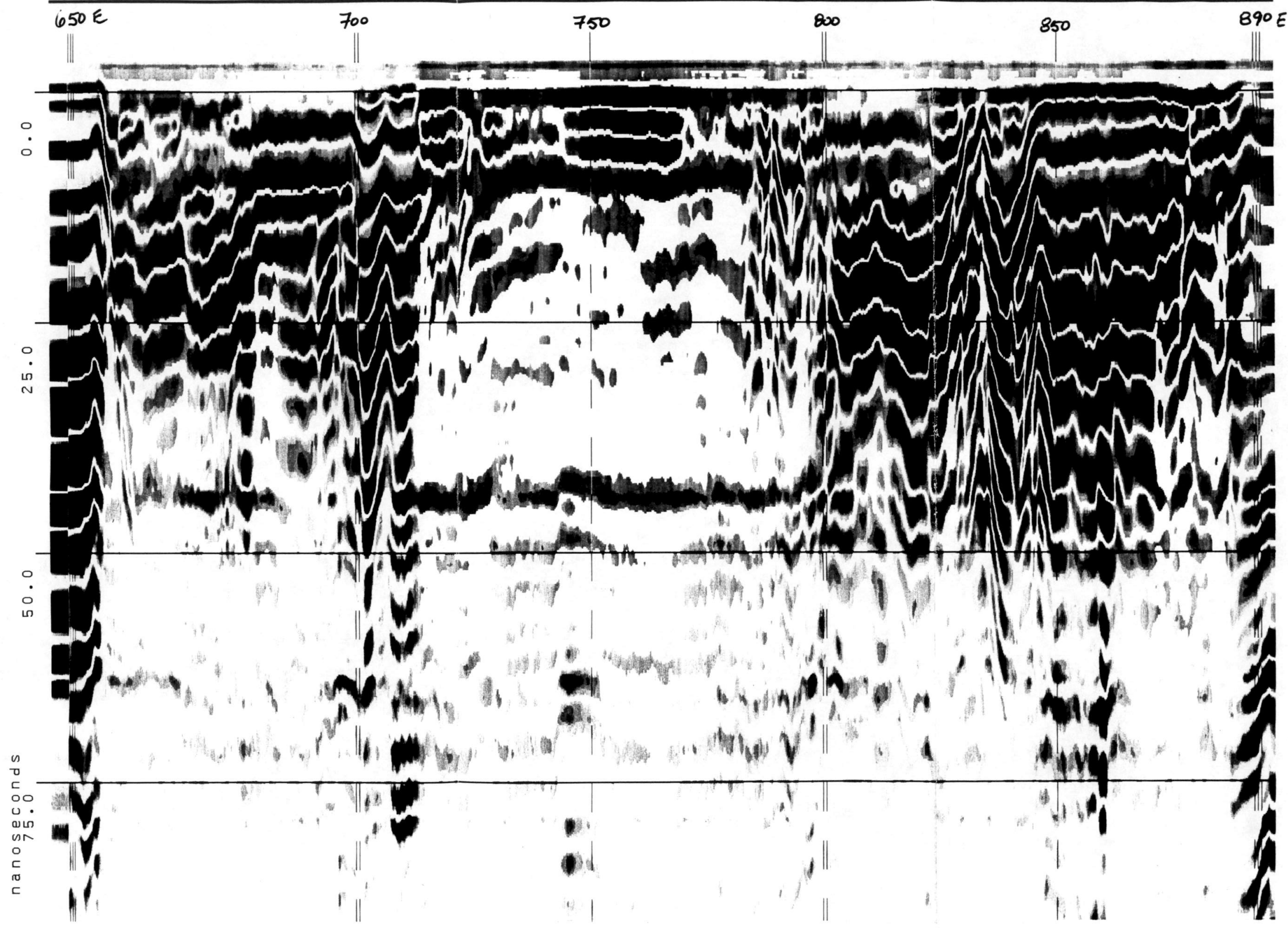
Ft. Monmouth NJ

Main Post Site M3

Line 0 N, Marks at 50' intervals

Start: 650 E End: 890 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 48 FILE48 Created December 14, 1994 15:38:12

512 samples/scan 25.004 scans/sec  
Position: -3 ns range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert. IIR low Pass N=2 F=48  
Vert. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

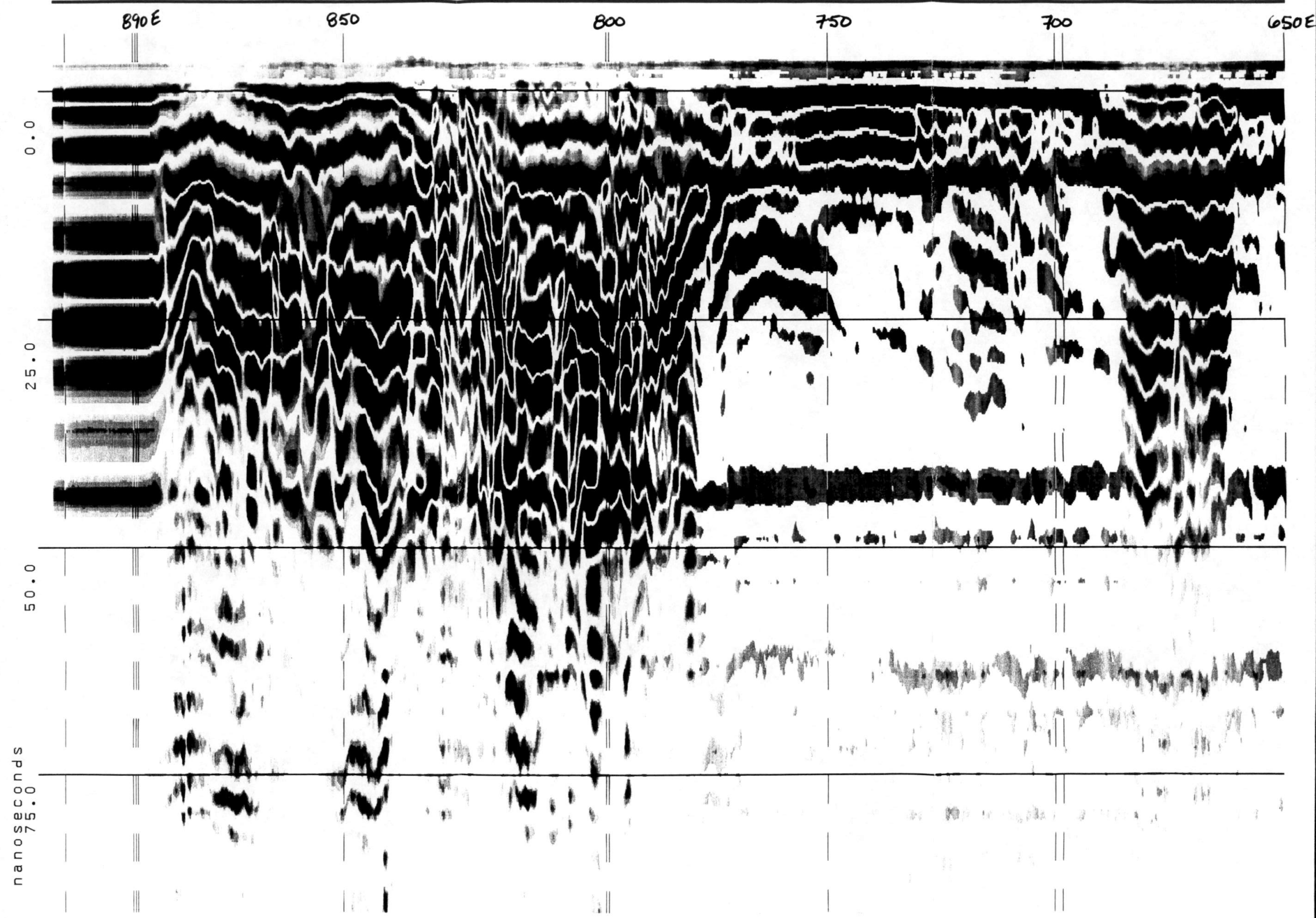
Ft. Monmouth NJ

Main Post Site M3

Line 20 N, Marks at 50' intervals

Start: 890 E End: 550 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



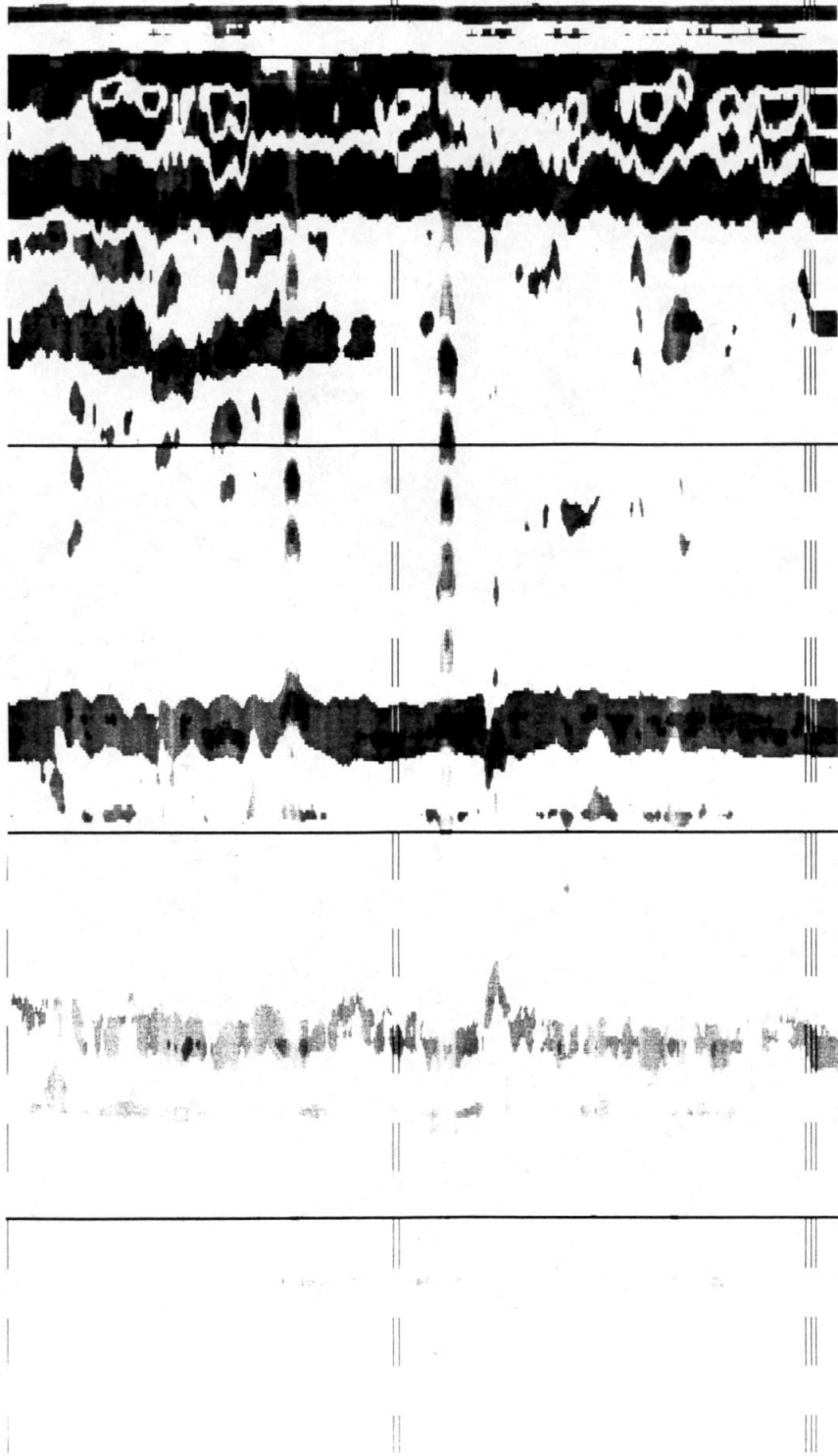


650 E

600

550 E

FILE 4B (CONTINUED)



File 49 FILE49 Created December 14, 1994 15:44:34

512 samples/scan 25.004 scans/sec  
Position: -3 ns range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert. IIR low Pass N=2 F=48  
Vert. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

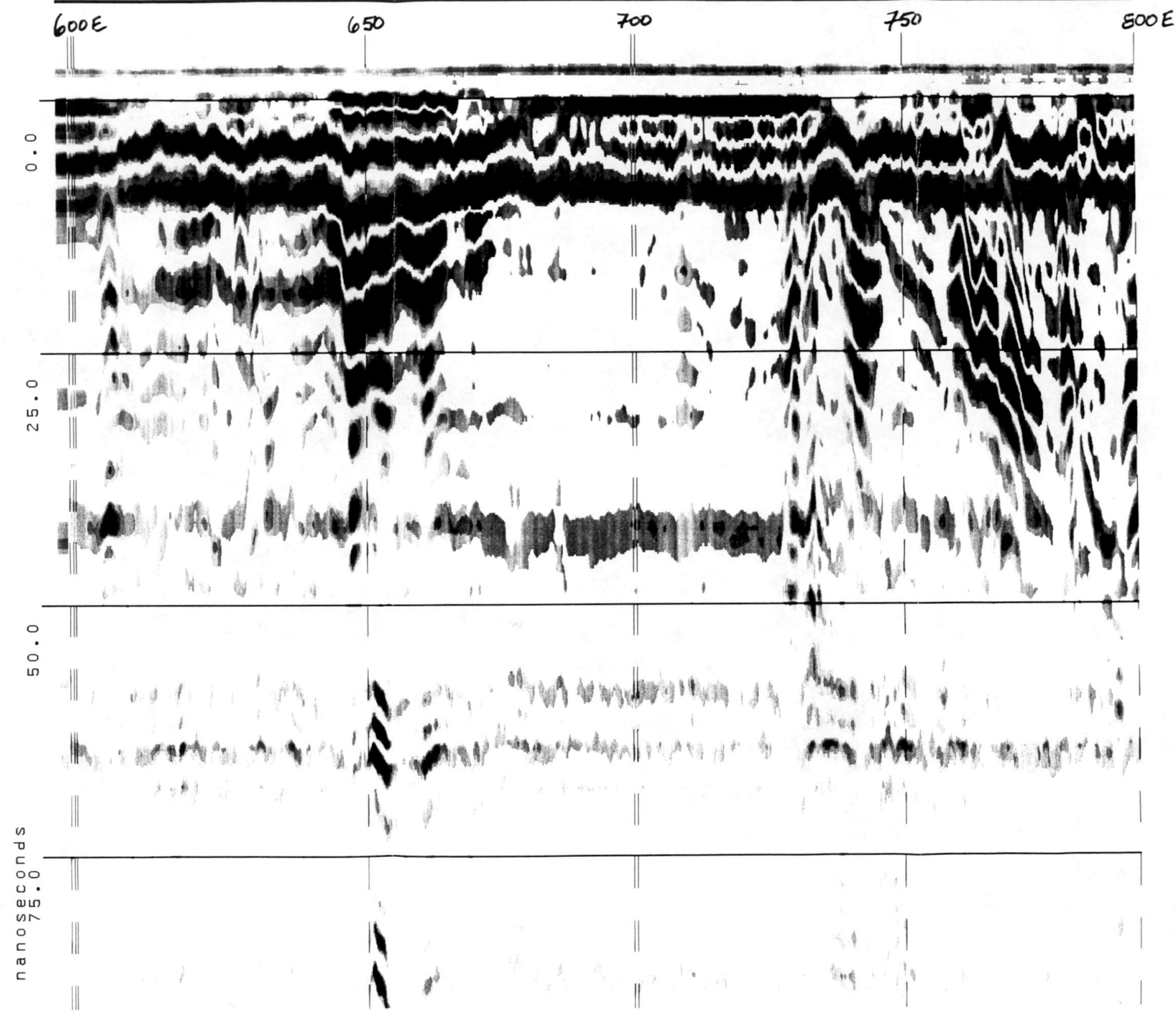
Ft. Monmouth NJ

Main Post Site M3

Line 50 N, Marks at 50' intervals

Start: 600 E End: 890 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%

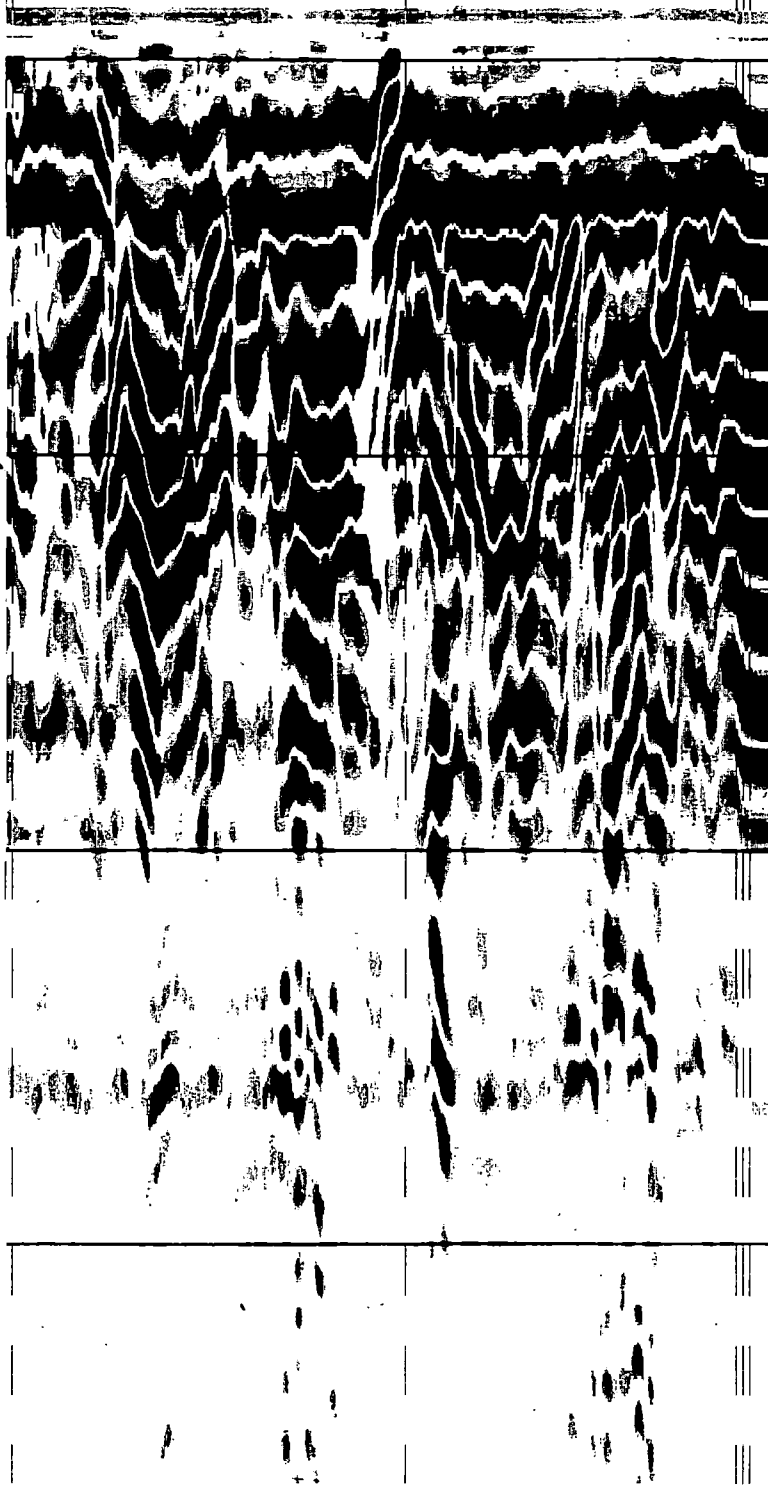


800 E

850

890 E

FILE 49 (CONTINUED)





File 50 FILE50 Created December 14, 1994 15:55:28

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low pass N=2 F=48  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

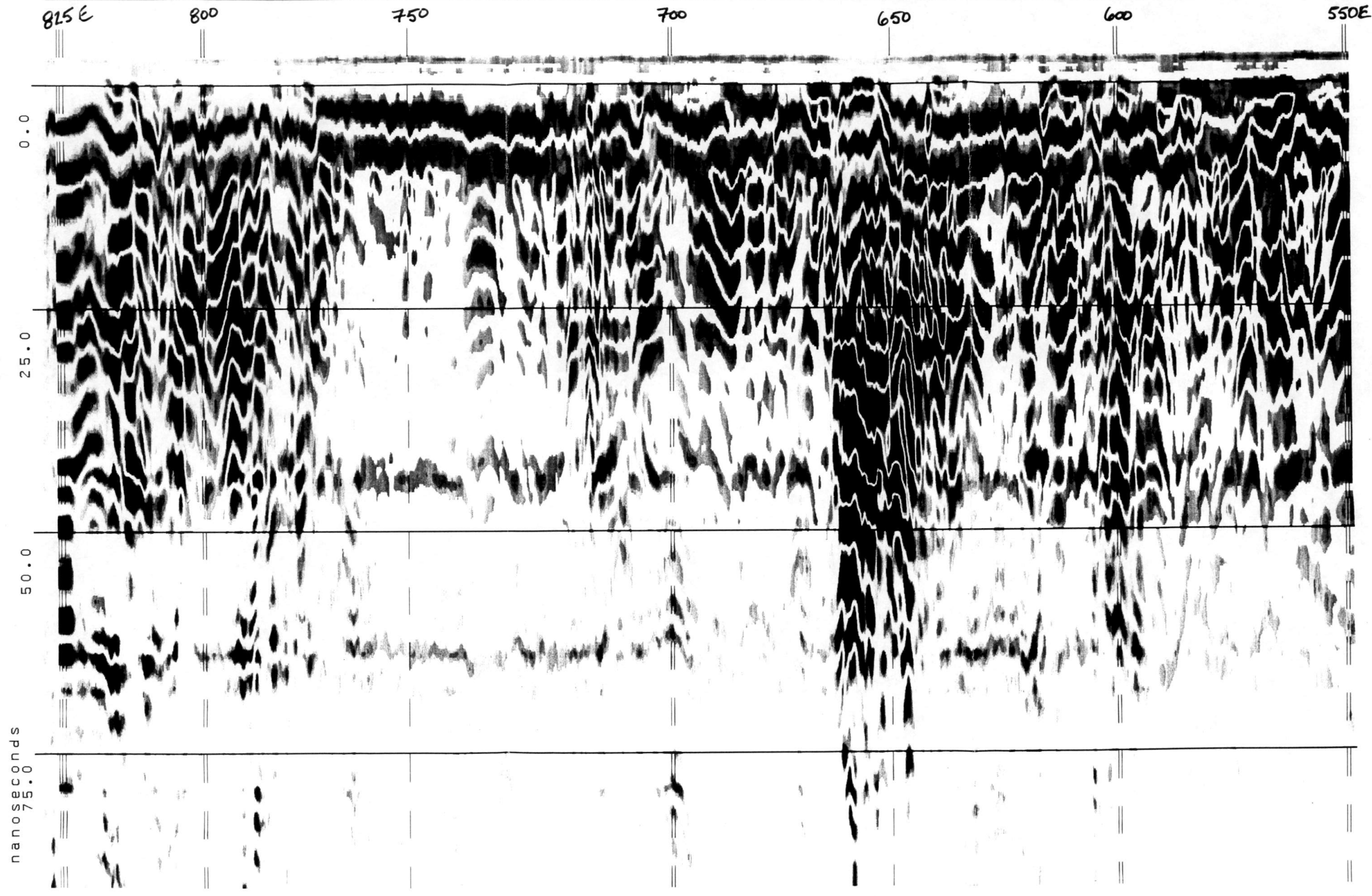
Ft. Monmouth NJ

Main Post Site M3

Line 100 N, Marks at 50' intervals

Start: 825 E End: 550 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 51 FILE51 Created December 14, 1994 16:02:52

512 samples/scan 25.004 scans/sec  
Position: -3 ns range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low pass N=2 F=48  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

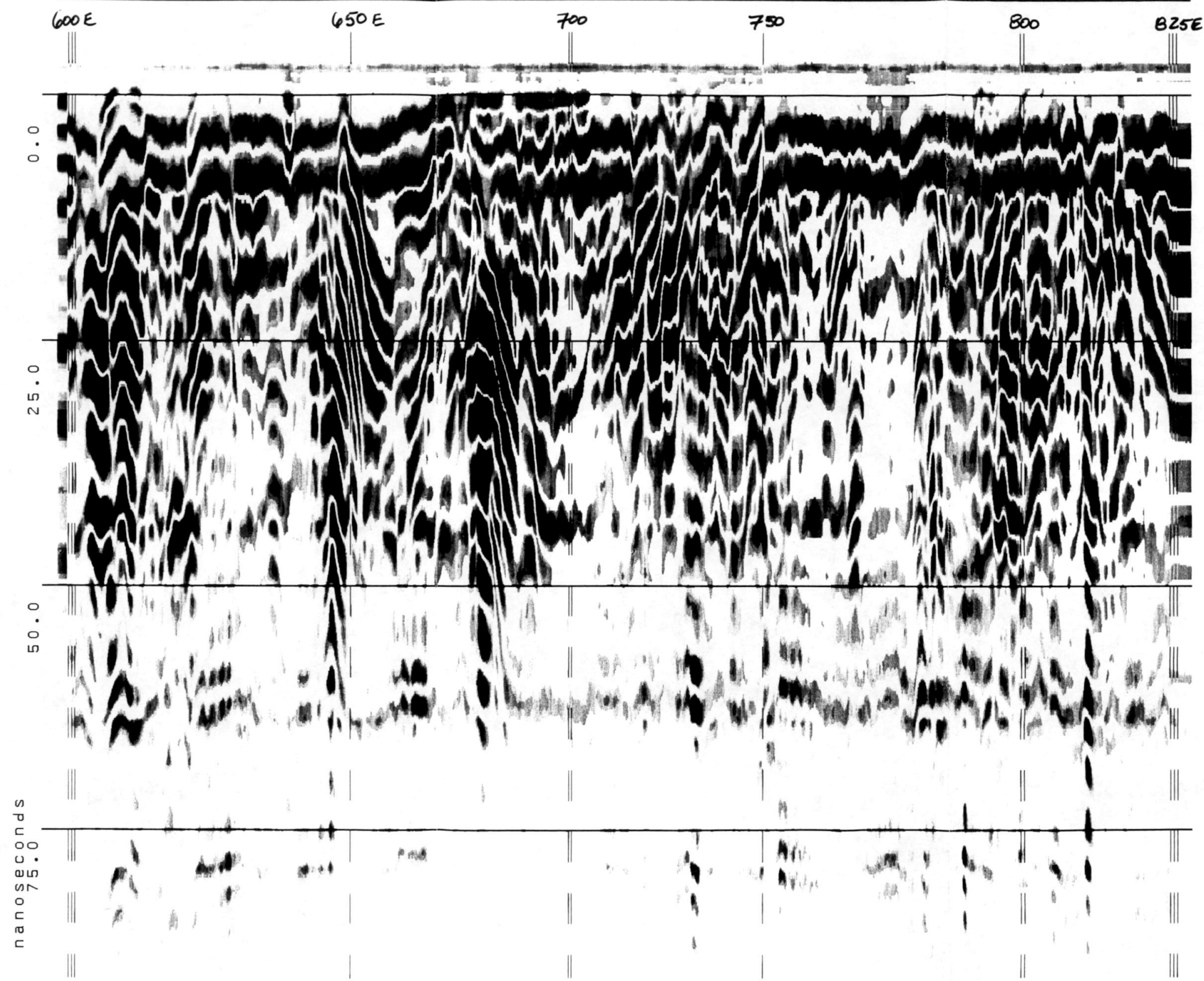
Ft. Monmouth NJ

Main Post Site M3

Line 120 N, Marks at 50' intervals

Start: 600 E End: 825 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 52 FILE52 Created December 14, 1994 16:09:40

512 samples/scan 25.004 scans/sec  
Position: -3 ns range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert. IIR low Pass N=2 F=48  
Vert. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

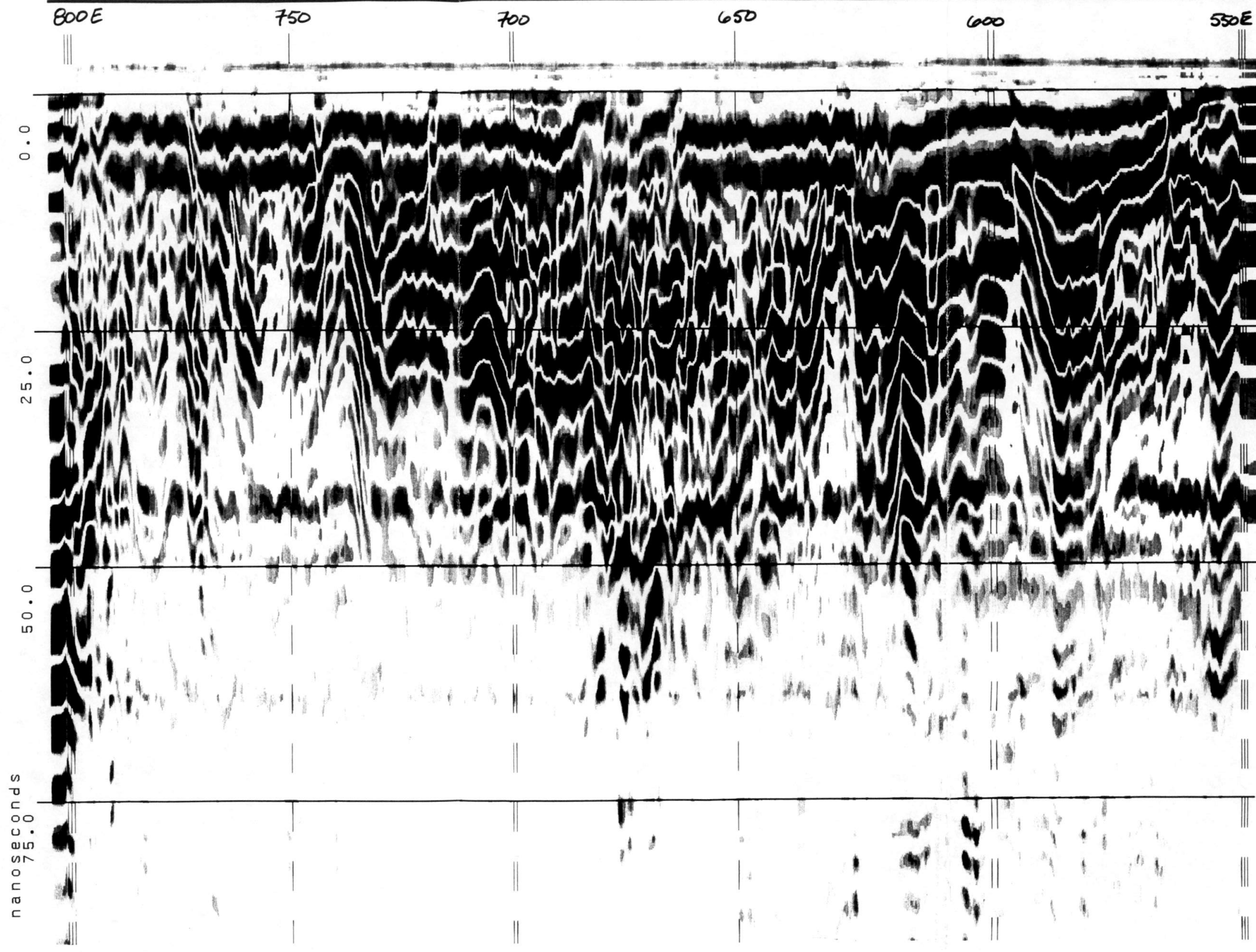
Ft. Monmouth NJ

Main Post Site M3

Line 140 N, Marks at 50' intervals

Start: 800 E End: ~~500~~ <sup>550</sup> E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 53 FILE53 Created December 14, 1994 16:14:08

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low pass N=2 F=48  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

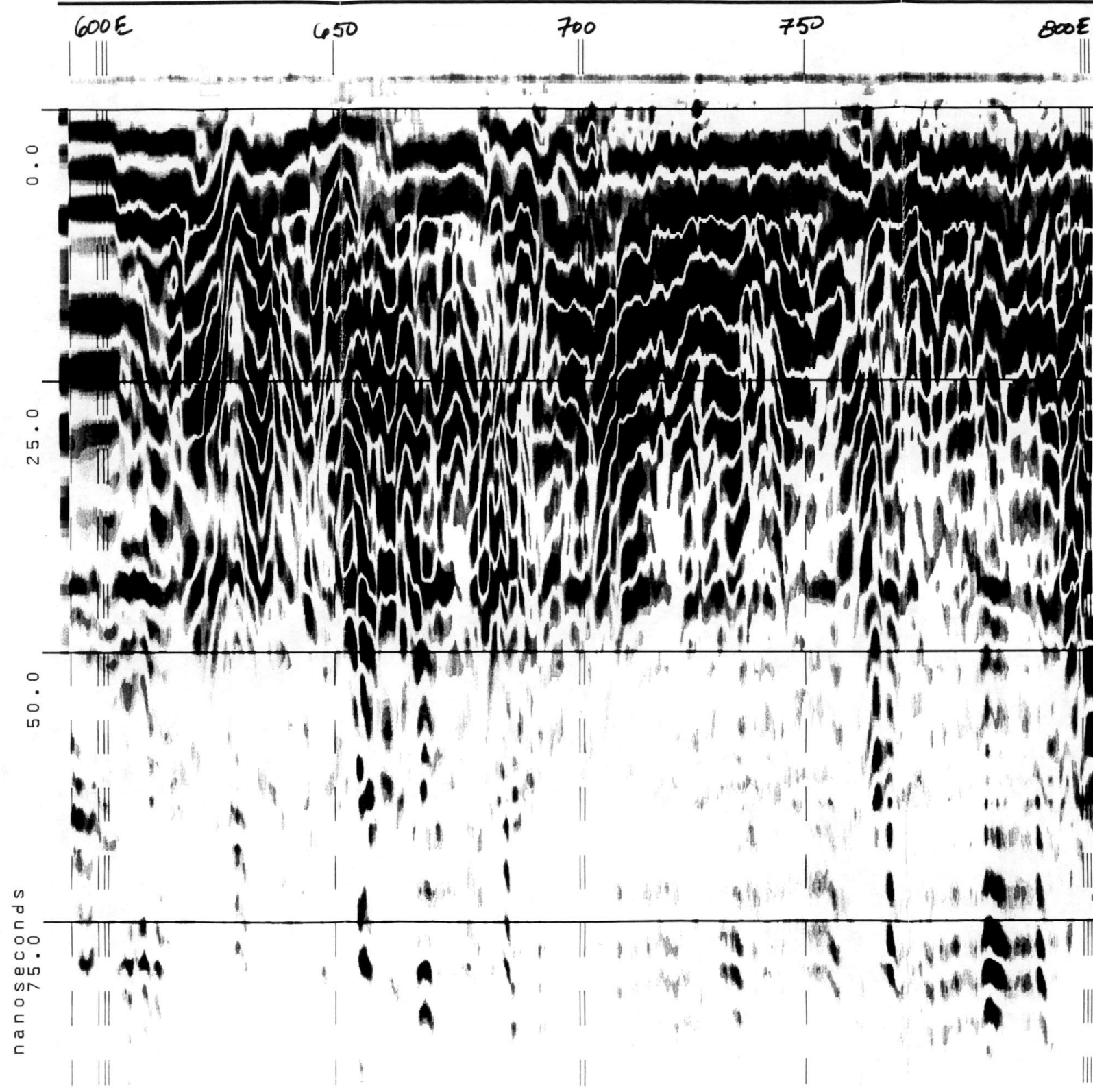
Ft. Monmouth NJ

Main Post Site M3

Line 150 N, Marks at 50' intervals

Start: 600 E End: 800 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 54 FILE54 Created December 14, 1994 16:31:02

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low Pass N=2 F=48  
Vert: IIR high Pass N=2 F=8  
Horiz: IIR stacking TC=4

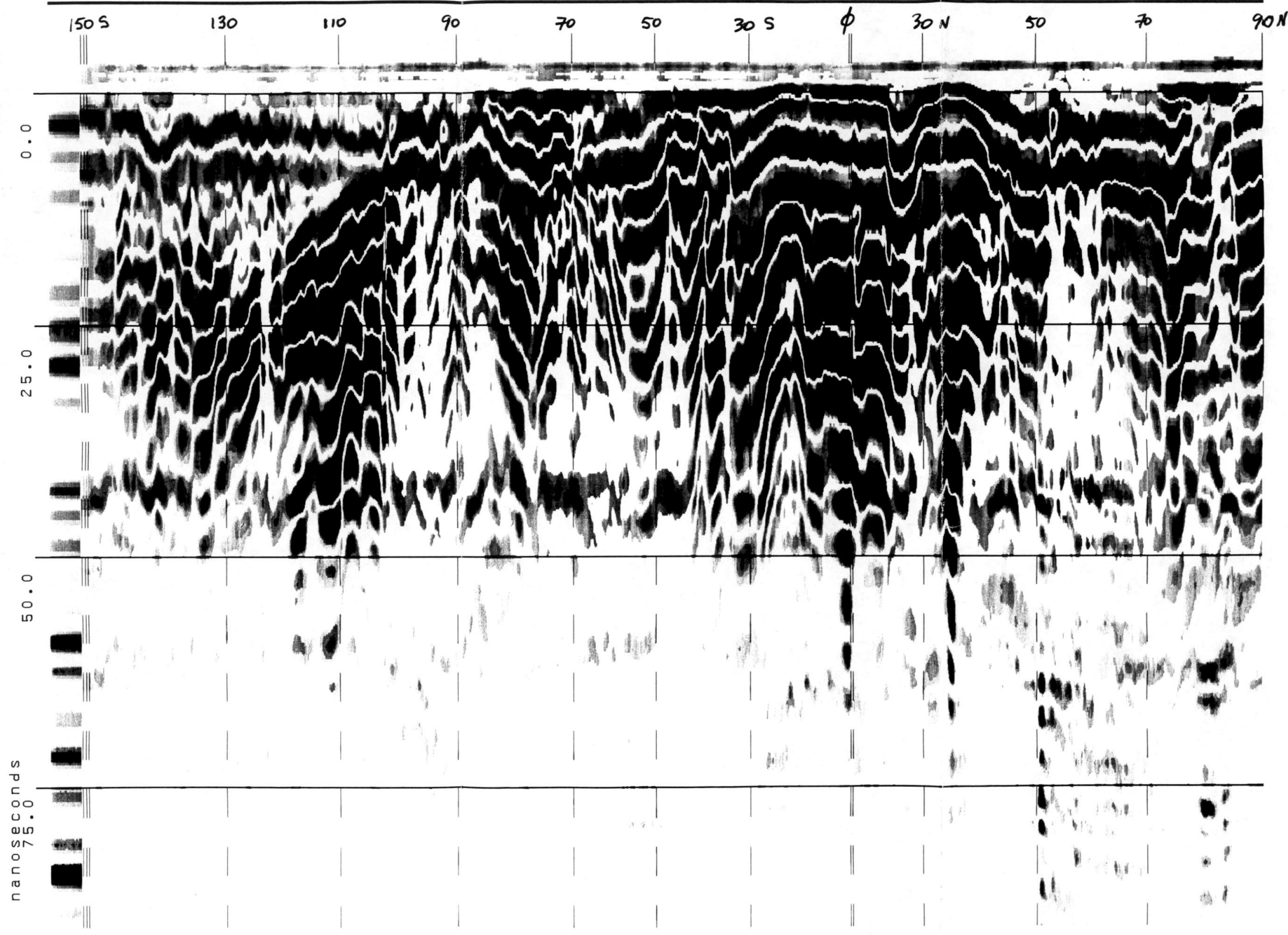
Ft. Monmouth NJ

Main Post Site M3

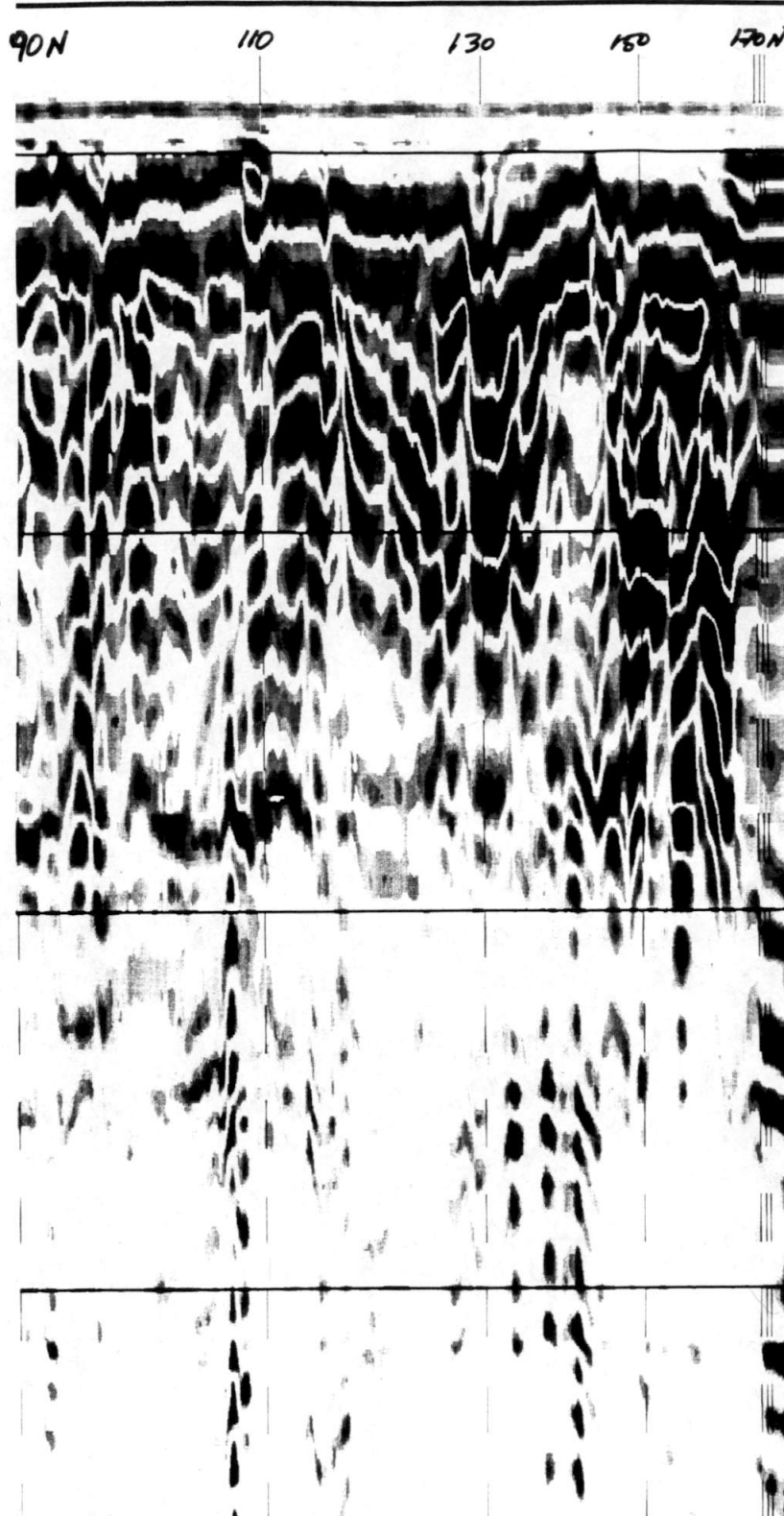
Line 850 E, Marks at 30' intervals

Start: 150 S End: 170 N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



FILE 54 (CONTINUED)





File 55 FILE55 Created December 14, 1994 16:41:00

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low pass N=2 F=48  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

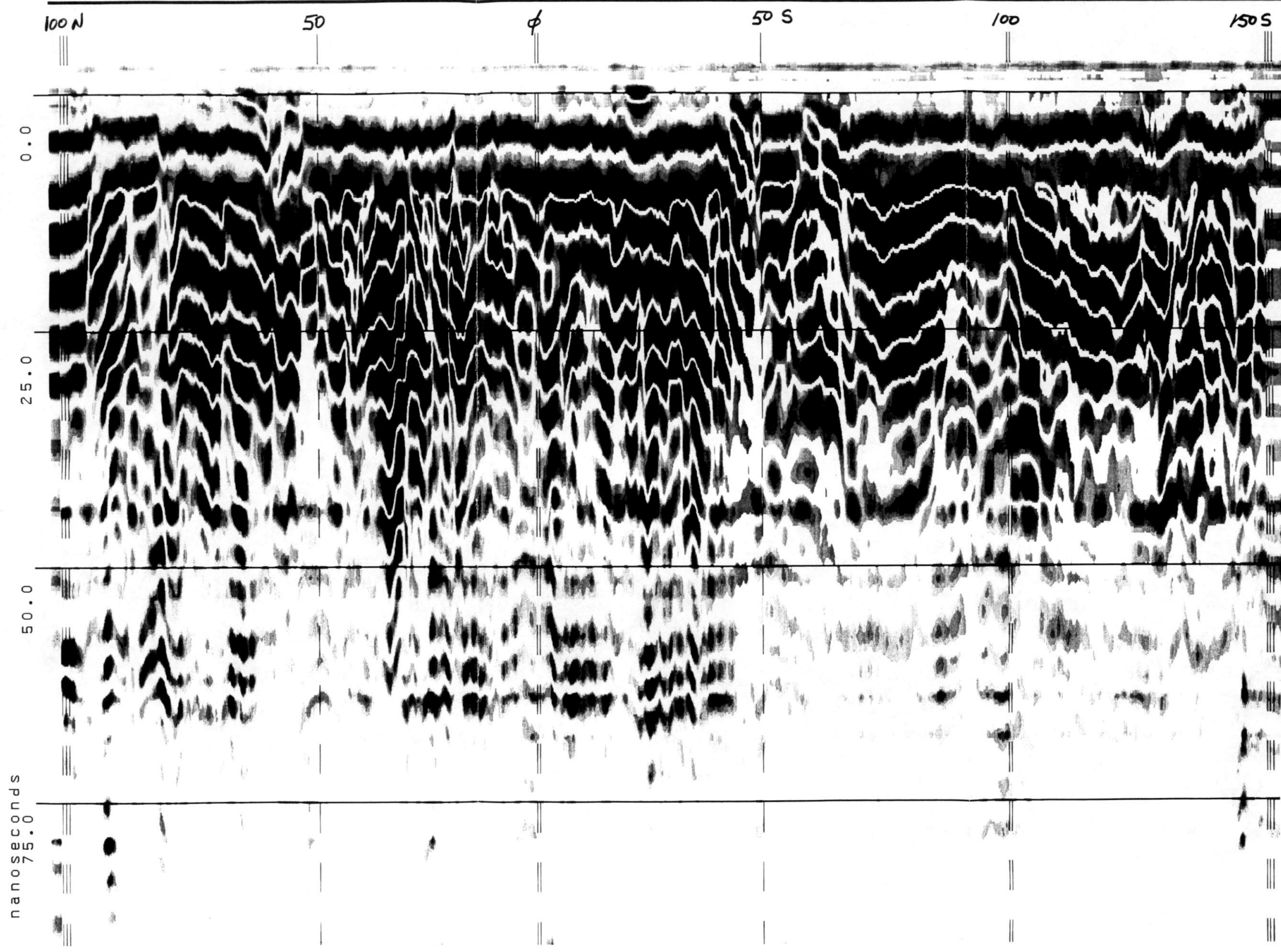
Ft. Monmouth NJ

Main Post Site M3

Line 900 E, Marks at 50' intervals

Start: 100 N End: 150 S

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 56 FILE56 Created December 14, 1994 16:47:02

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert. IIR low pass N=2 F=48  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

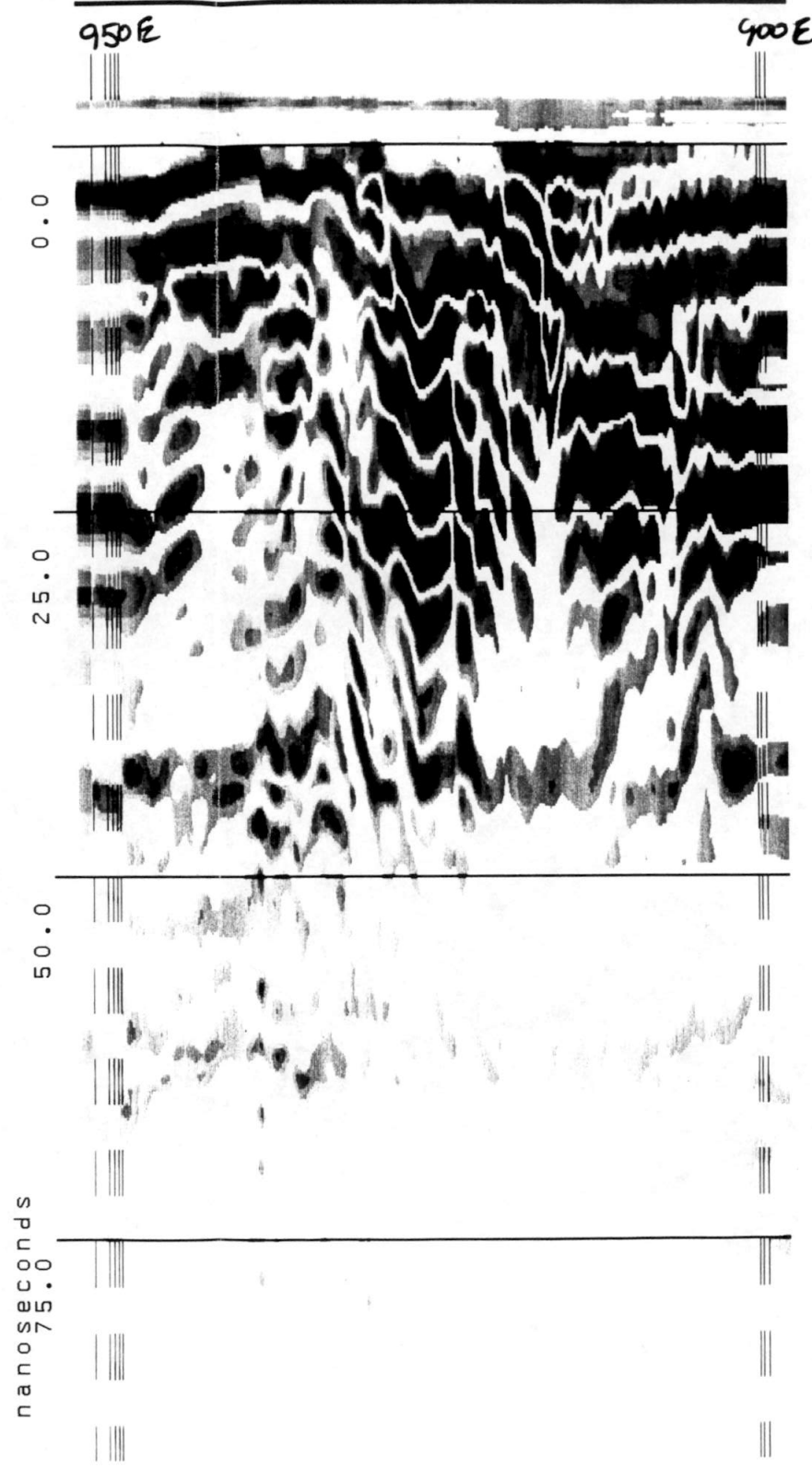
Ft. Monmouth NJ

Main Post Site M3

Line 120 S, UP FROM STREAM; Marks at 50' intervals

Start: 950 E End: 900 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 57 FILE57 Created December 14, 1994 16:54:04

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert. IIR low Pass N=2 F=48  
Vert. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

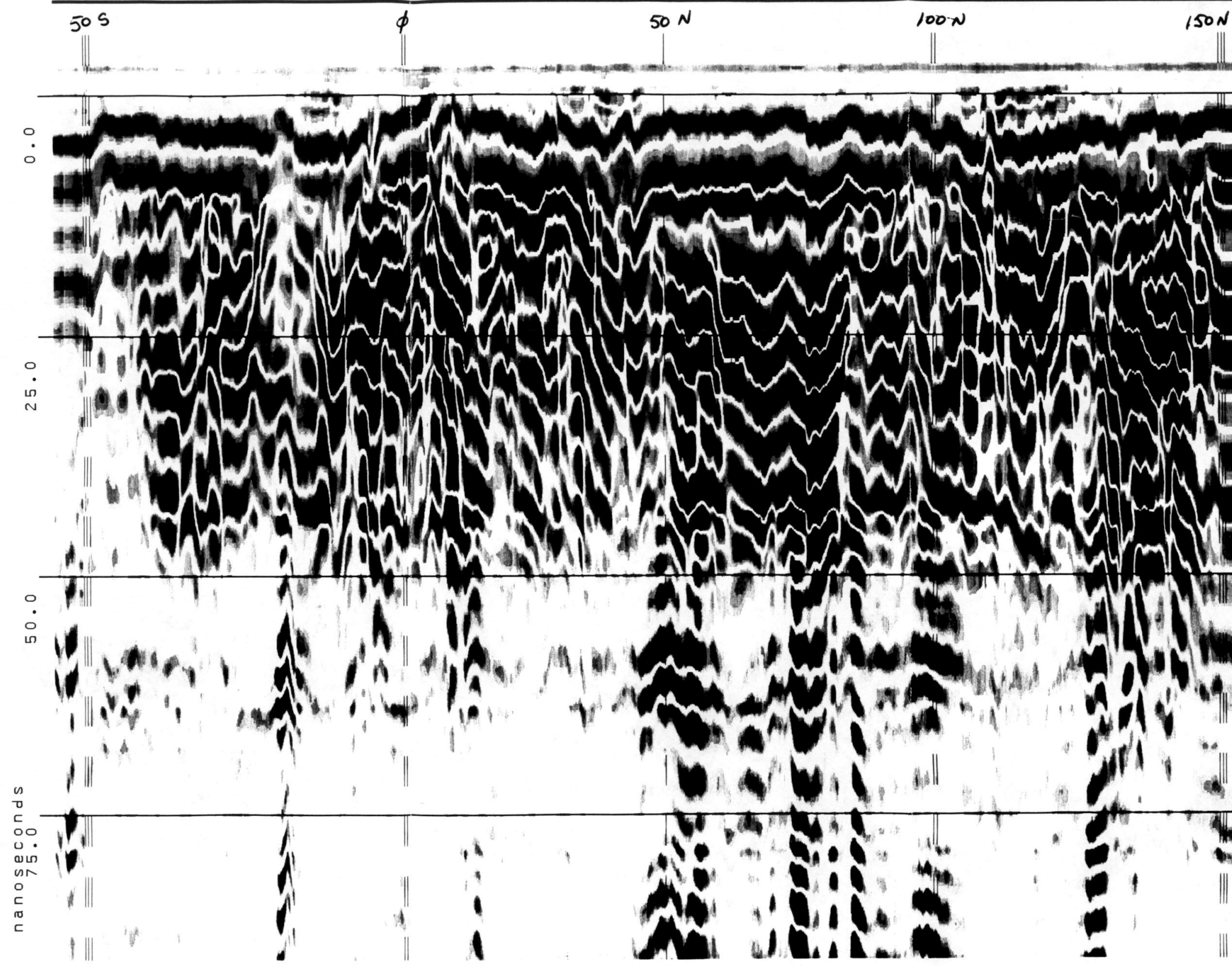
Ft. Monmouth NJ

Main Post Site M3

Line 950 E; Marks at 50' intervals

Start: 50 S End: 150 N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 58 FILE58 Created December 14, 1994 16:59:44

512 samples/scan 25.004 scans/sec  
Position: -3 ns range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert. IIR low pass N=2 F=48  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

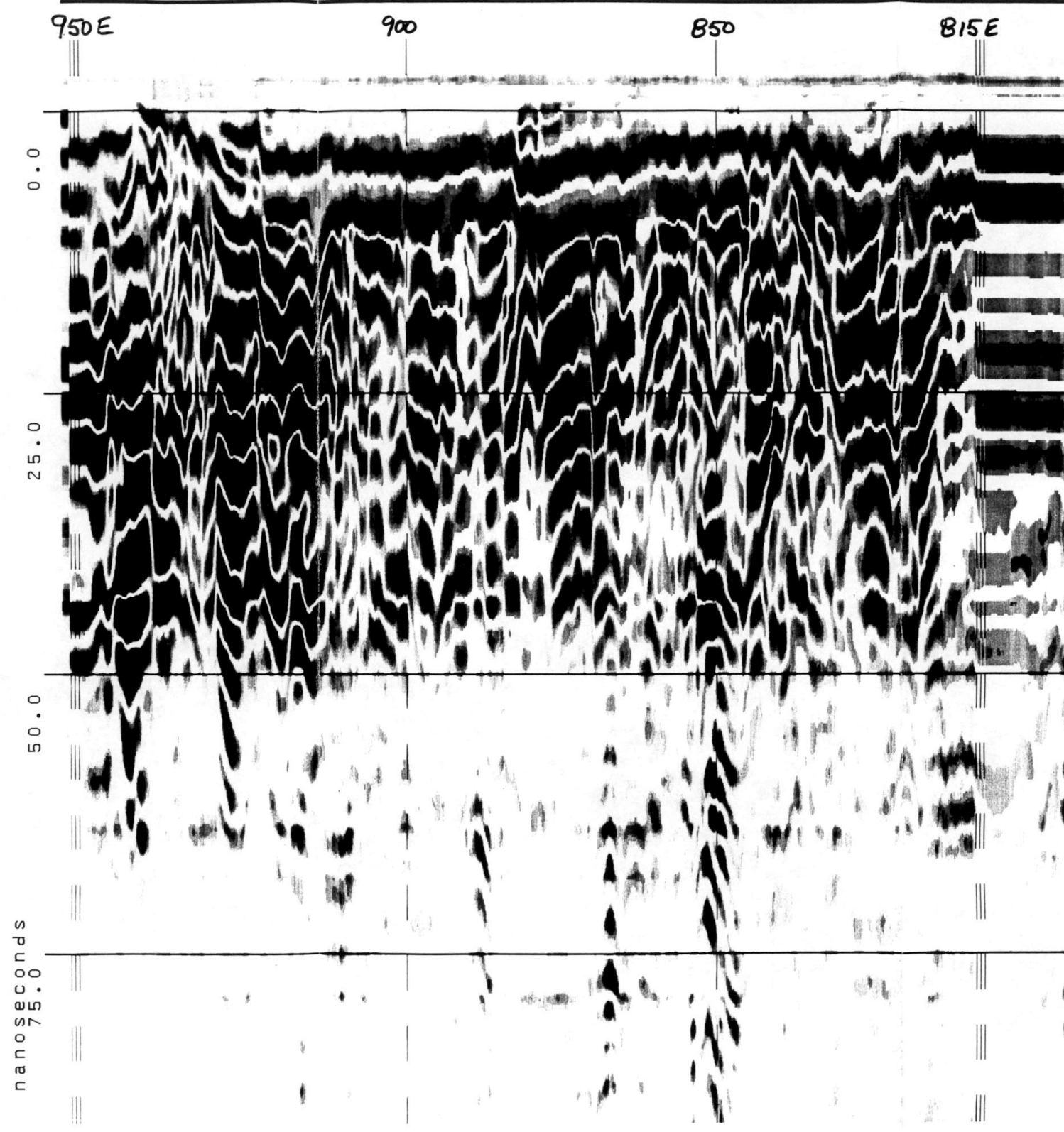
Ft. Monmouth NJ

Main Post Site M3

Line 150 N; Marks at 50' intervals

Start: 950 E End: ~~850~~ <sup>815</sup> E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 59 FILE59 Created December 14, 1994 17:07:24

512 samples/scan 25.004 scans/sec  
Position: -3 ns range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low pass N=2 F=48

Horiz: IIR high pass N=2 F=8

Horiz: IIR stacking TC=4

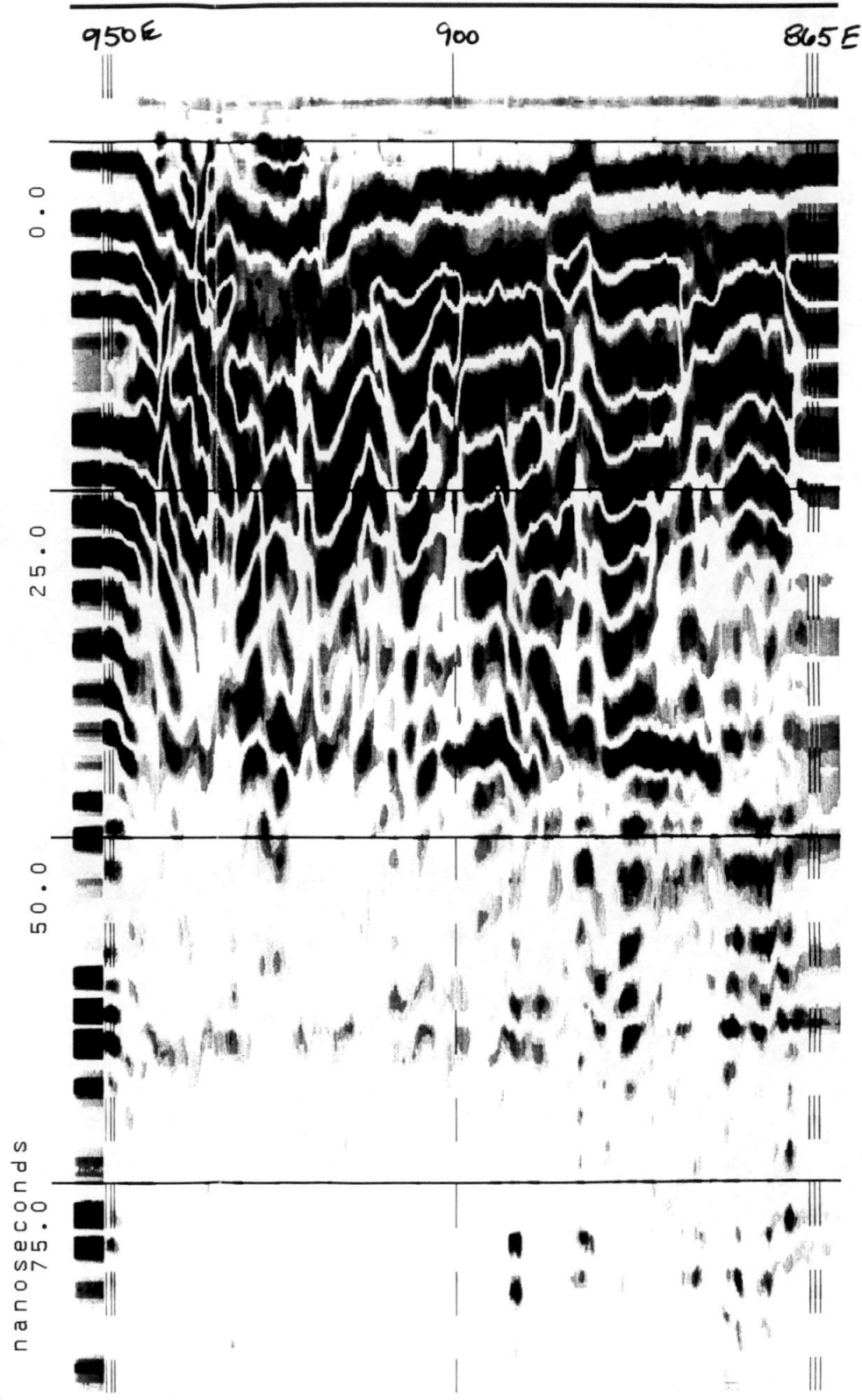
Ft. Monmouth NJ

Main Post Site M3

Line 100 N; Marks at 50' intervals

Start: 950 E End: 865 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 60 FILE60 Created December 14, 1994 17:14:24

512 samples/scan 25.004 scans/sec  
Position: -3 ns range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert. IIR low Pass N=2 F=48  
Vert. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

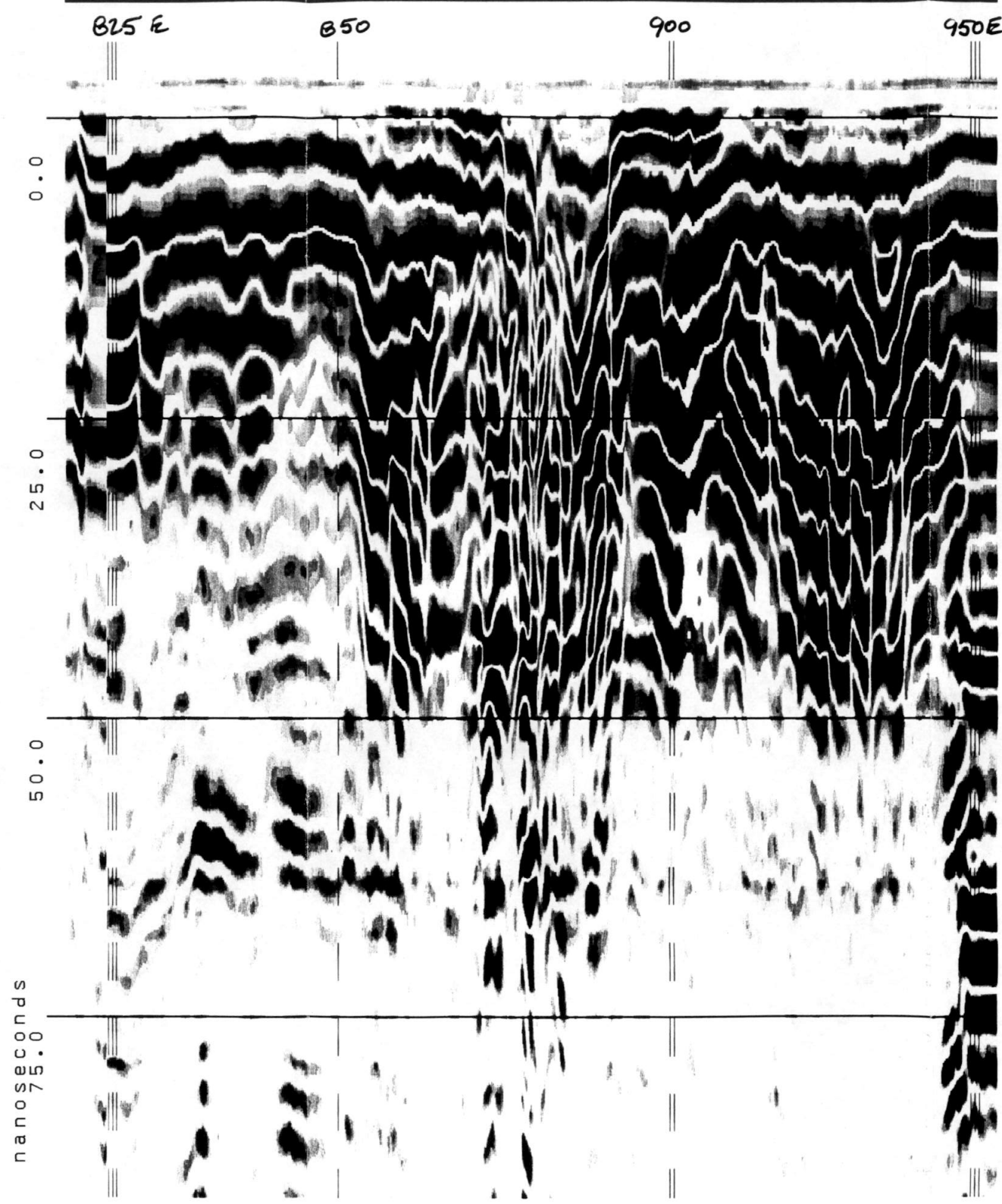
Ft. Monmouth NJ

Main Post Site M3

Line 60 N; Marks at 50' intervals

Start: 825 E End: 950 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 61 FILE61 Created December 14, 1994 17:19:36

512 samples/scan 25.004 scans/sec  
Position: -3 ns range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert. IIR low pass N=2 F=48  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

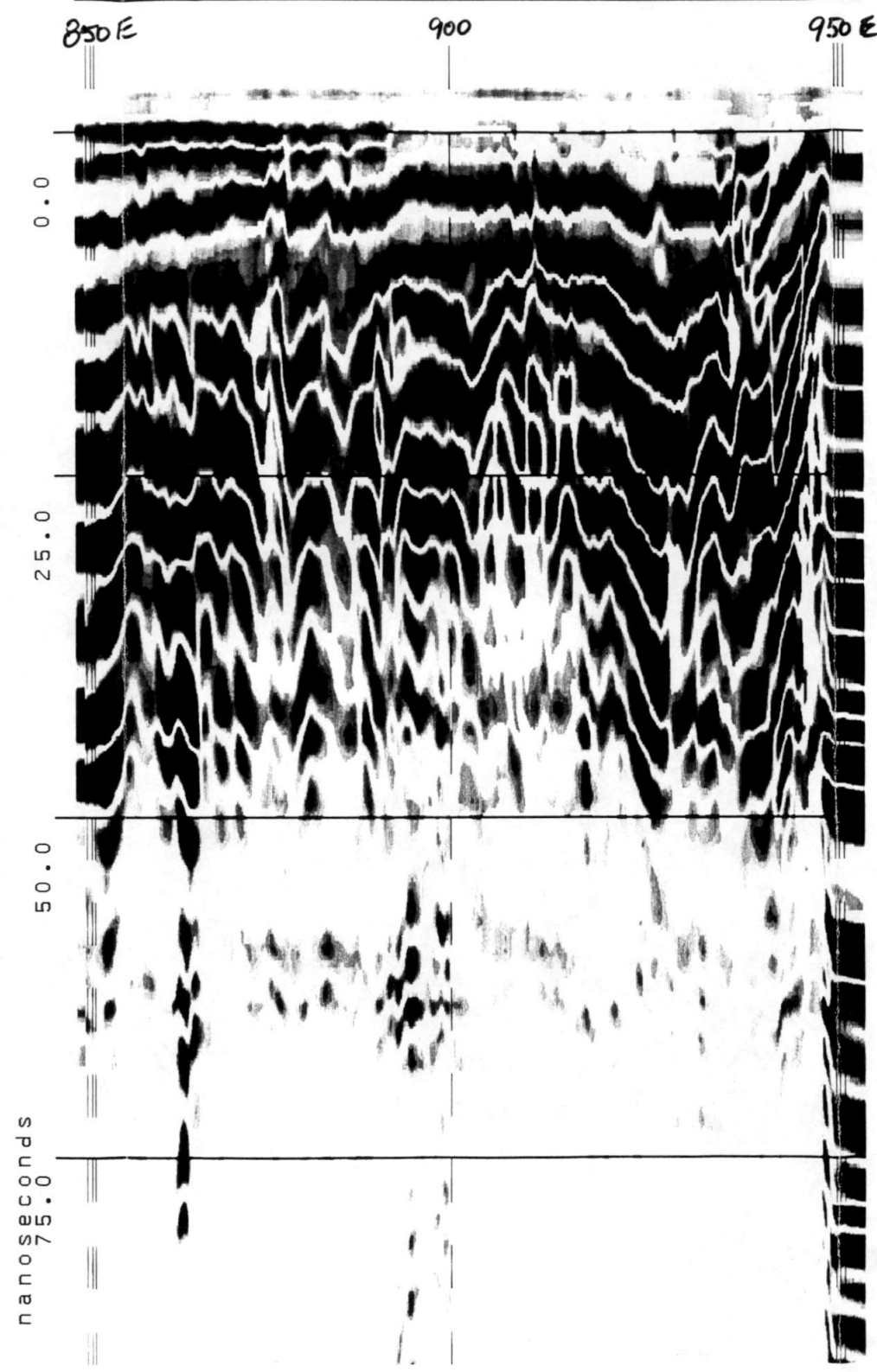
Ft. Monmouth NJ

Main Post Site M3

Line 0 N; Marks at 50' intervals

Start: 850 E End: 950 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 62 FILE62 Created December 15, 1994 09:29:44

512 samples/scan 25.004 scans/sec  
Position: -3 ns range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low pass N=2 F=48  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

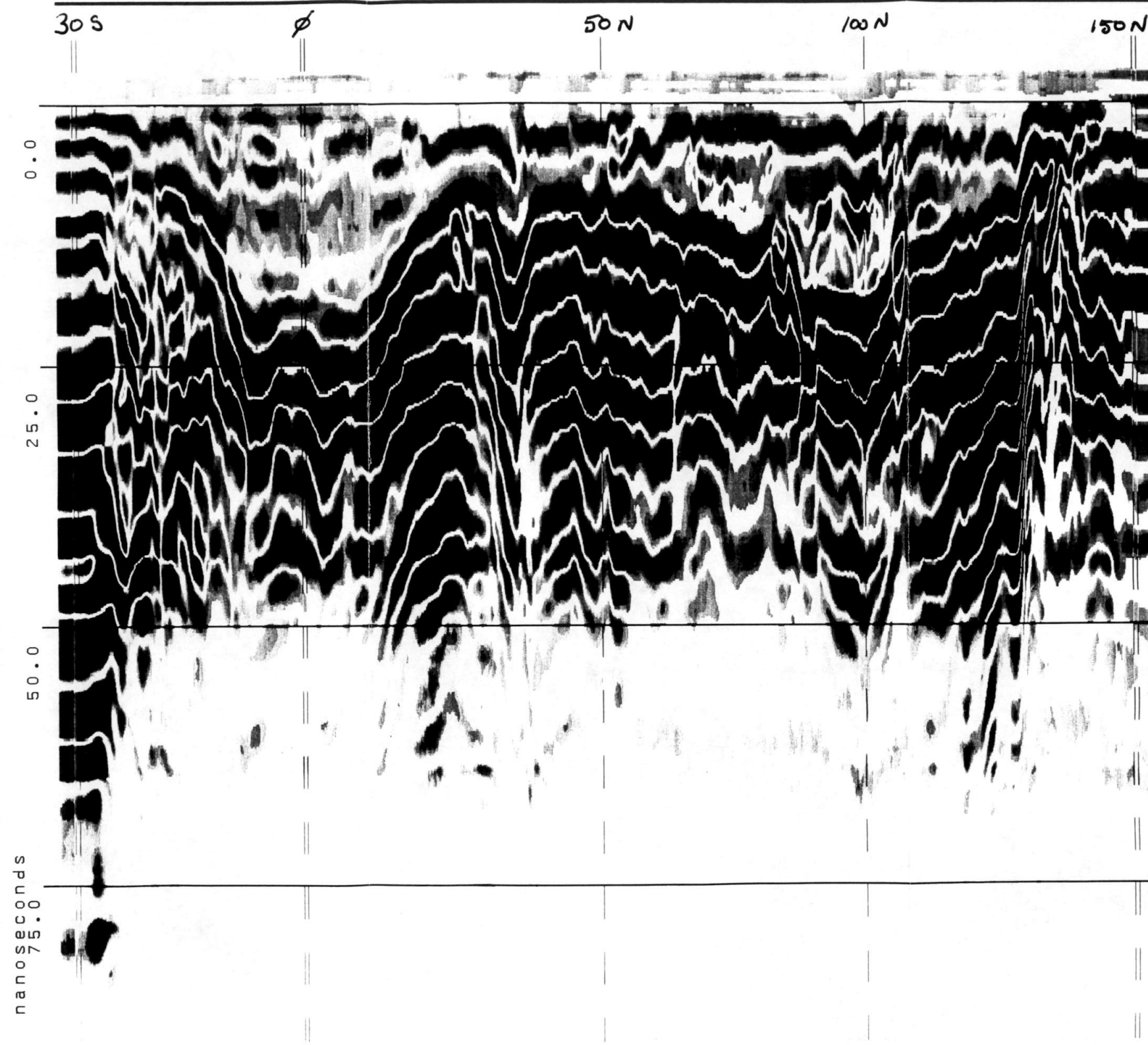
Ft. Monmouth NJ

Main Post Site M3

Line 60 E ; Marks at 50' intervals

Start: 30 S End: 150 N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 63 FILE63 Created December 15, 1994 09:38:20

512 samples/scan 25.004 scans/sec  
Position: -3 nS range: 100 nS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low pass N=2 F=48  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

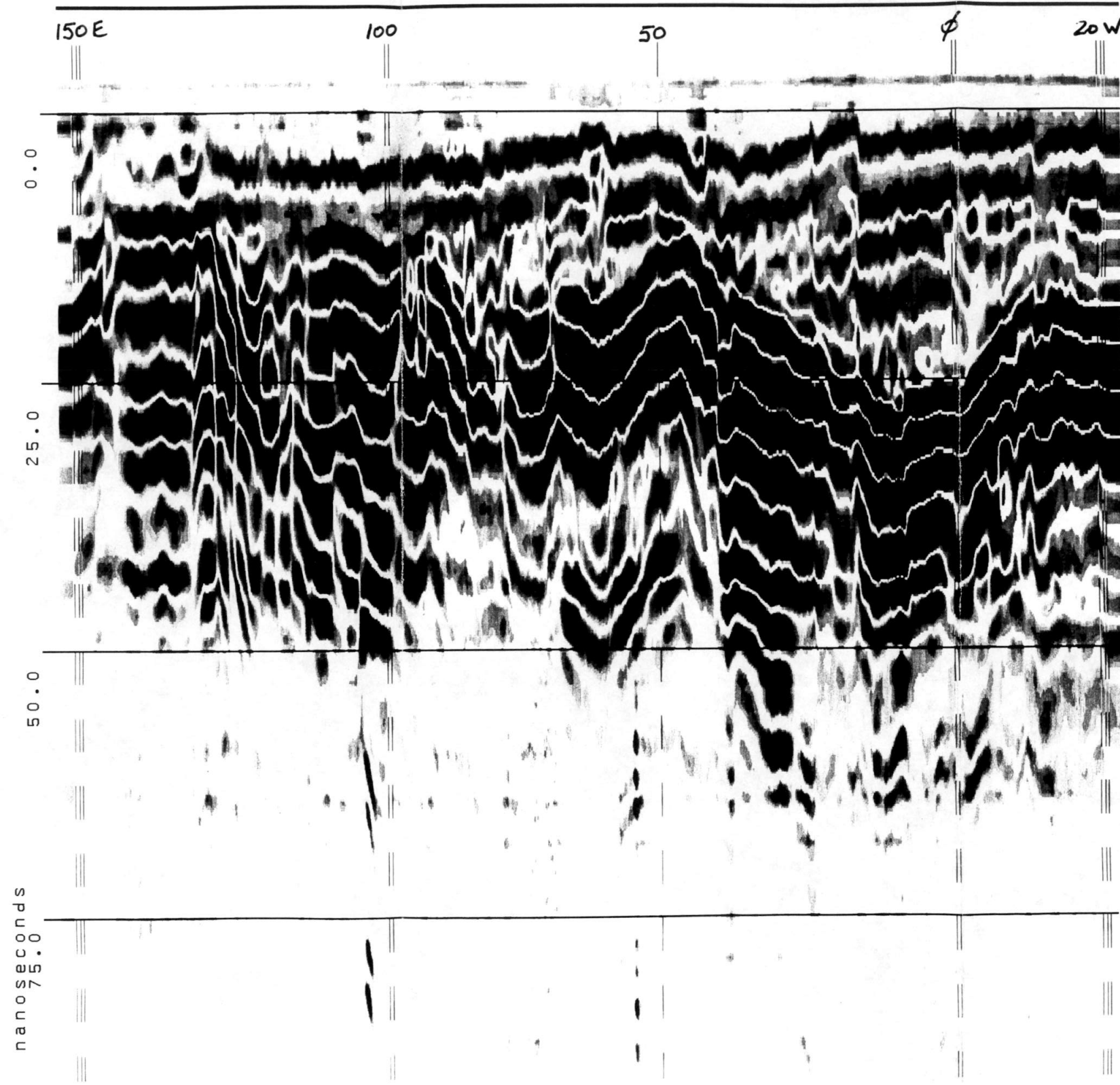
Ft. Monmouth NJ

Main Post Site M3

Line 100 N ; Marks at 50' intervals

Start: 150 E End: ~~0 E~~ 20 W

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 64 FILE64 Created December 15, 1994 09:46:22

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert. IIR low pass N=2 F=48  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

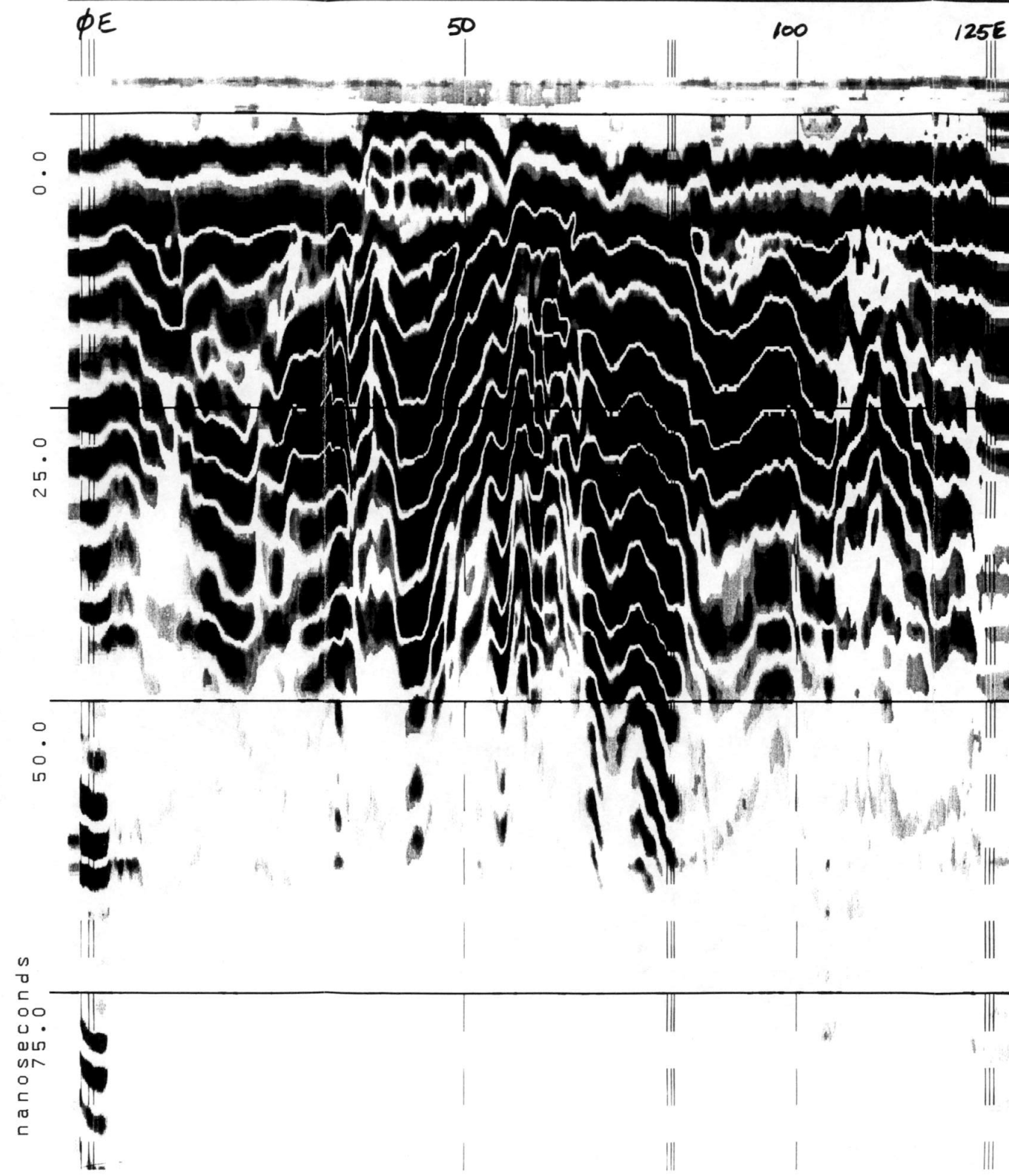
Ft. Monmouth NJ

Main Post Site M3

Line 130 N ; Marks at 50' intervals

Start: 0 E End: 125 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 65 FILE65 Created December 15, 1994 09:54:30

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert. IIR low pass N=2 F=48  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

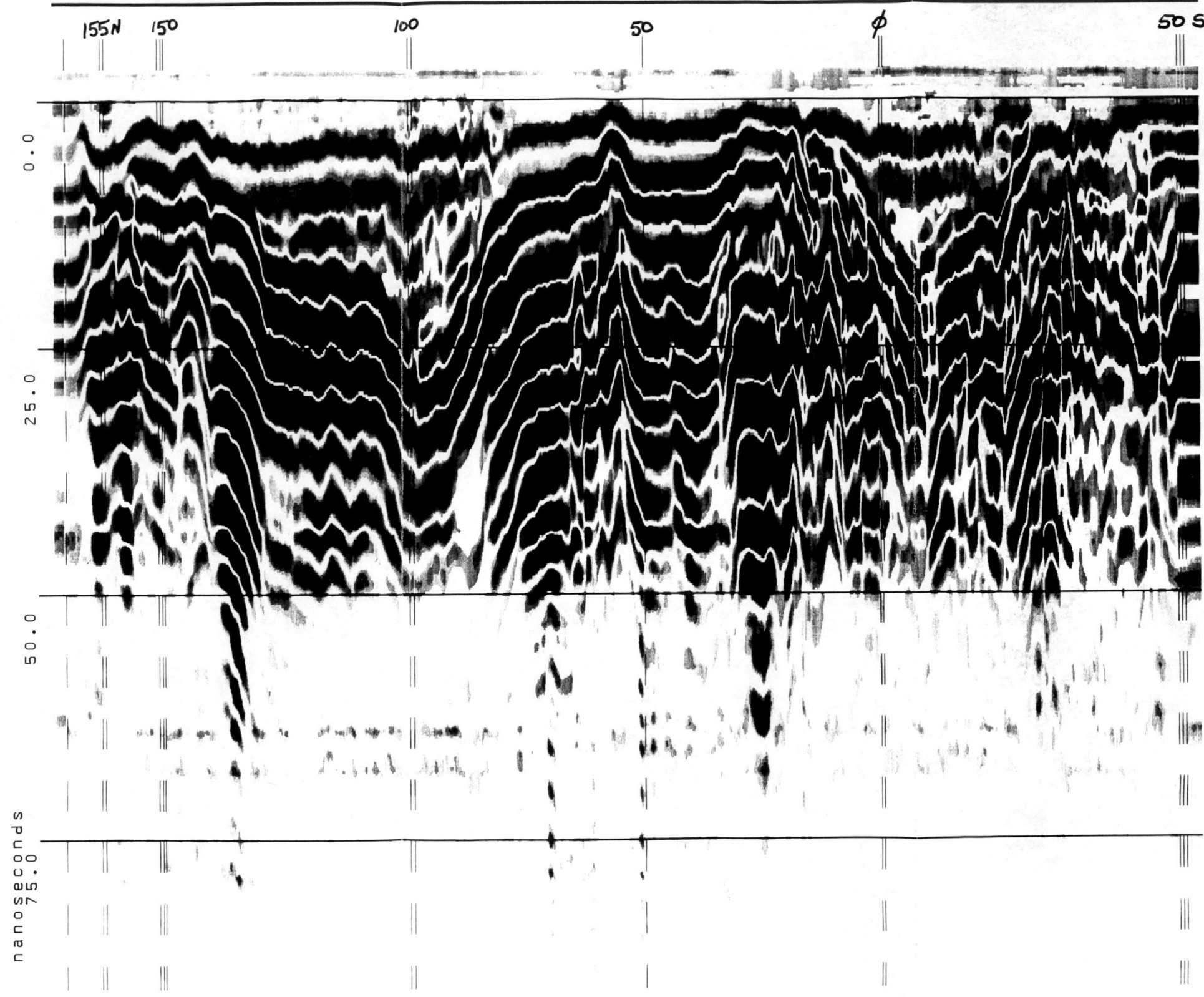
Ft. Monmouth NJ

Main Post Site M3

Line 80 E ; Marks at 50' intervals

Start: 150<sup>5</sup> N End: 50 S

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 66 FILE66 Created December 15, 1994 09:59:22

512 samples/scan 25.004 scans/sec  
Position: -3 ns range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert. IIR low pass N=2 F=48

Vert. IIR high pass N=2 F=8

Horiz. IIR stacking TC=4

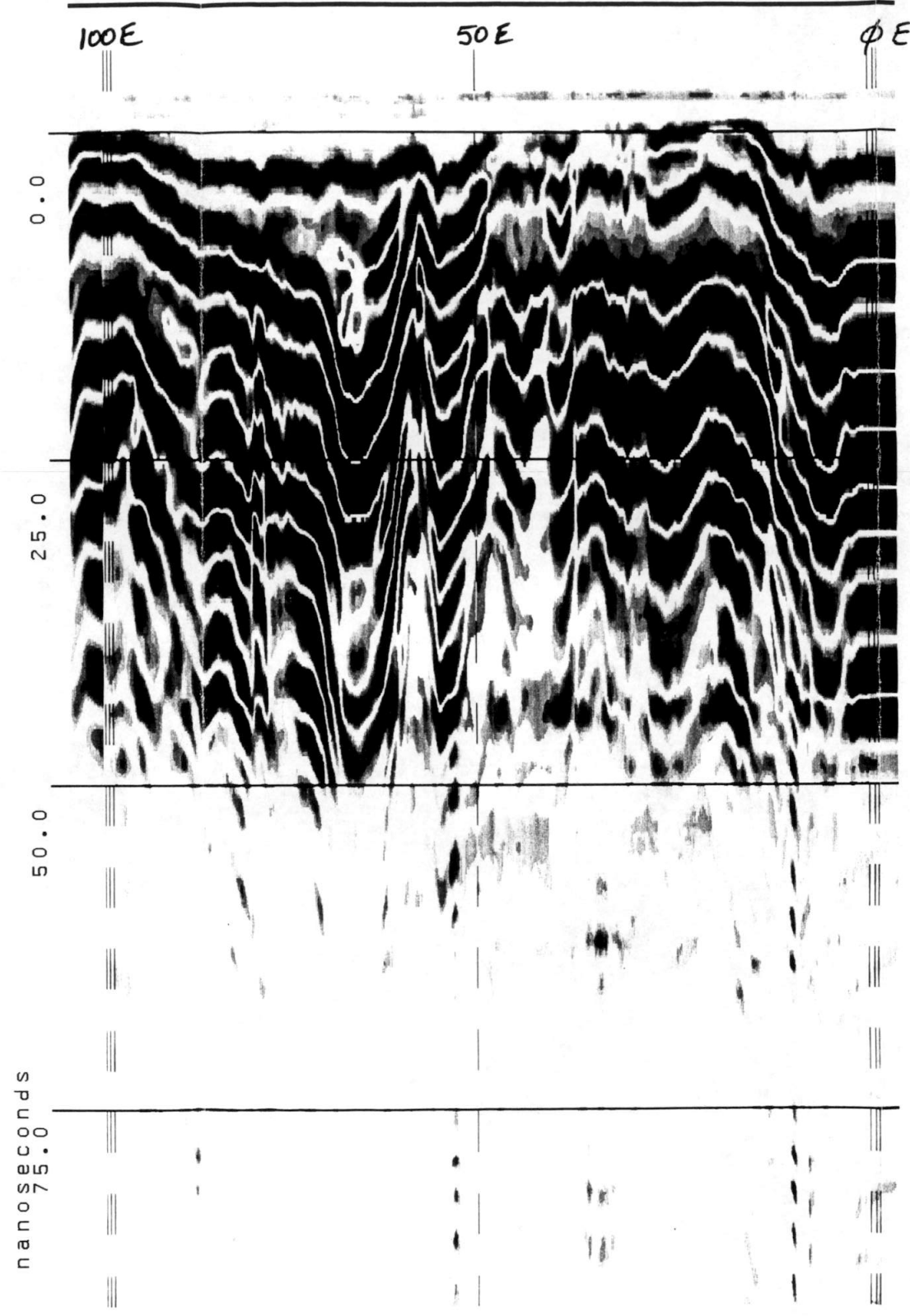
Ft. Monmouth NJ

Main Post Site M3

Line 50 N ; Marks at 50' intervals

Start: 100 E End: 0 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



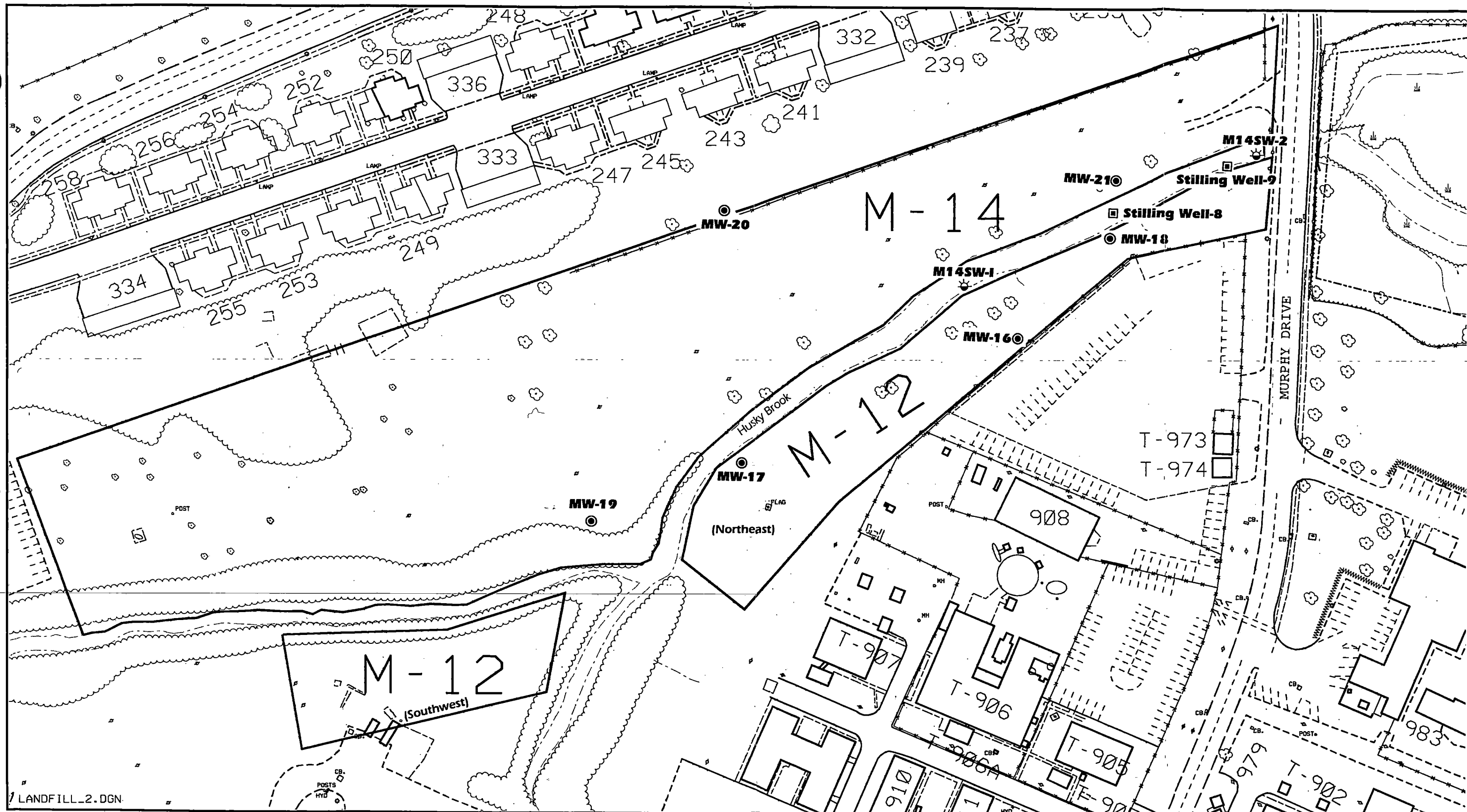




**SITE M-12 NE**

**GROUND PENETRATING RADAR PROFILES**

Note: GPR grid coordinates are referenced to the magnetometer survey grid coordinates as depicted on Figures 4.2-16 and 4.2-17 of the WESTON Final Site Investigation Report, December 1995.



LANDFILL\_2.DGN

LEGEND

|                                            |                             |              |                            |
|--------------------------------------------|-----------------------------|--------------|----------------------------|
| ● Monitor Well                             | — Road (paved)              | Wooded Area  | □ Site                     |
| ★ Existing Surface Water Sampling Location | - - - Road/Trails (unpaved) | Tree/Bush    | - - - Brook/Creek          |
| ■ Stilling Well                            | *** Fence                   | Light Pole   | - - - Base Boundary        |
|                                            | □ Building                  | Utility Pole | Marshy Area                |
|                                            |                             |              | - - - Approximate Boundary |

SCALE IN FEET

95P-3186
6/23/95

**Fort Monmouth, Main Post**

**FIGURE 4.2-15**

**LANDFILLS 12 (M-12) AND 14 (M-14)**

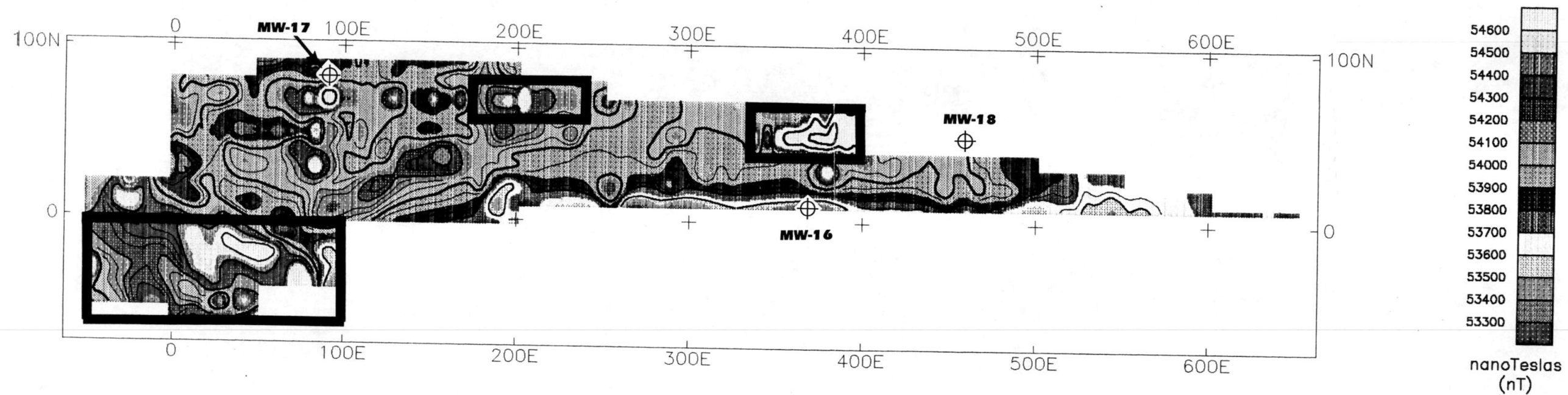
**SAMPLING LOCATIONS**

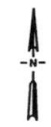
**TABLE F-2**

**GEOPHYSICAL SURVEY GRID LOCATIONS WITH  
CORRESPONDING SURVEY DATA  
SITE M-12 (NORTHEAST)  
FORT MONMOUTH, NJ**

| STATION   | SURVEY DATA |             |
|-----------|-------------|-------------|
|           | NORTHING    | EASTING     |
| 0N, 0E    | 539523.503  | 2175132.975 |
| 50S, 0E   | 539485.491  | 2175165.439 |
| 50N, 0E   | 539561.515  | 2175100.512 |
| 75N, 0E   | 539580.521  | 2175084.280 |
| 0N, 200E  | 539653.331  | 2175284.982 |
| 25N, 200E | 539672.337  | 2175268.750 |
| 50N, 200E | 539691.344  | 2175252.519 |
| 75N, 200E | 539710.350  | 2175236.287 |
| 0N, 400E  | 539783.212  | 2175437.072 |
| 25N, 400E | 539802.218  | 2175420.841 |
| 0N, 600E  | 539913.129  | 2175589.194 |
| 25S, 600E | 539894.123  | 2175605.426 |
| 0N, 675E  | 539961.762  | 2175646.139 |
| 25N, 675E | 539942.756  | 2175662.371 |





|                                                                                                                                                                     |                                                                                                               |                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>LEGEND</b>                                                                                                                                                       |  Monitor Well            |  |
|                                                                                                                                                                     |  Buried Ferrous Material |                                                                                       |
|                                                                                                                                                                     | <br>SCALE IN FEET        |                                                                                       |
| <p><b>Fort Monmouth, Main Post Site M-12 NE</b></p> <p><b>FIGURE 4.2-16</b></p> <p><b>MAGNETOMETER SURVEY</b></p> <p><b>TOTAL MAGNETIC FIELD - SITE M-12 NE</b></p> |                                                                                                               |                                                                                       |

File 2 FILE2 Created December 12, 1994 11:47:56

512 samples/scan 31.9922 scans/sec  
Position: 0 nS range: 150 nS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 19 53 65 70

Vert: IIR low Pass N=2 F=75  
Vert: IIR high Pass N=2 F=12  
Horiz: IIR stacking TC=4

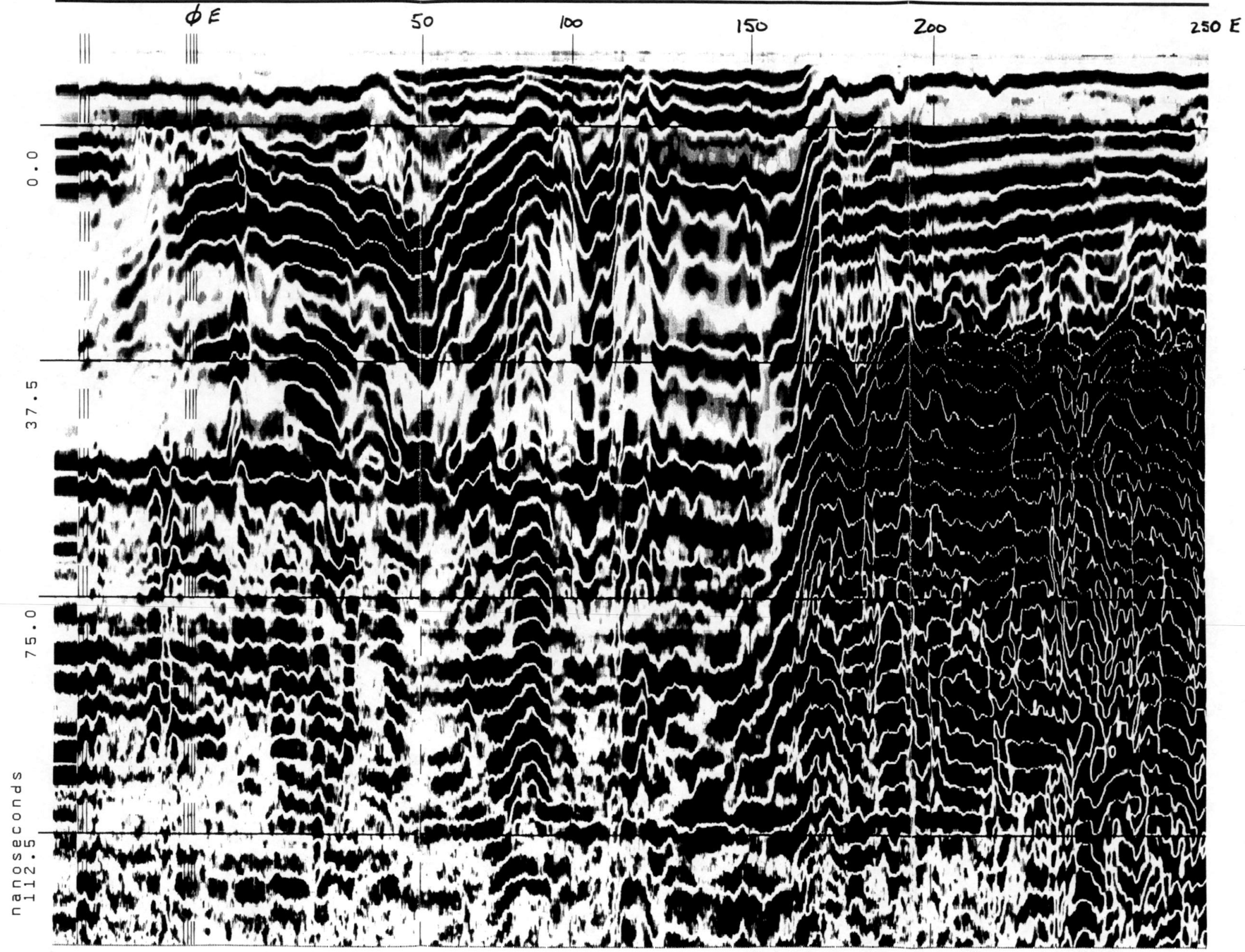
Ft. Monmouth NJ

Main Post Site M12NE

Line 10N, Marks at 50' intervals

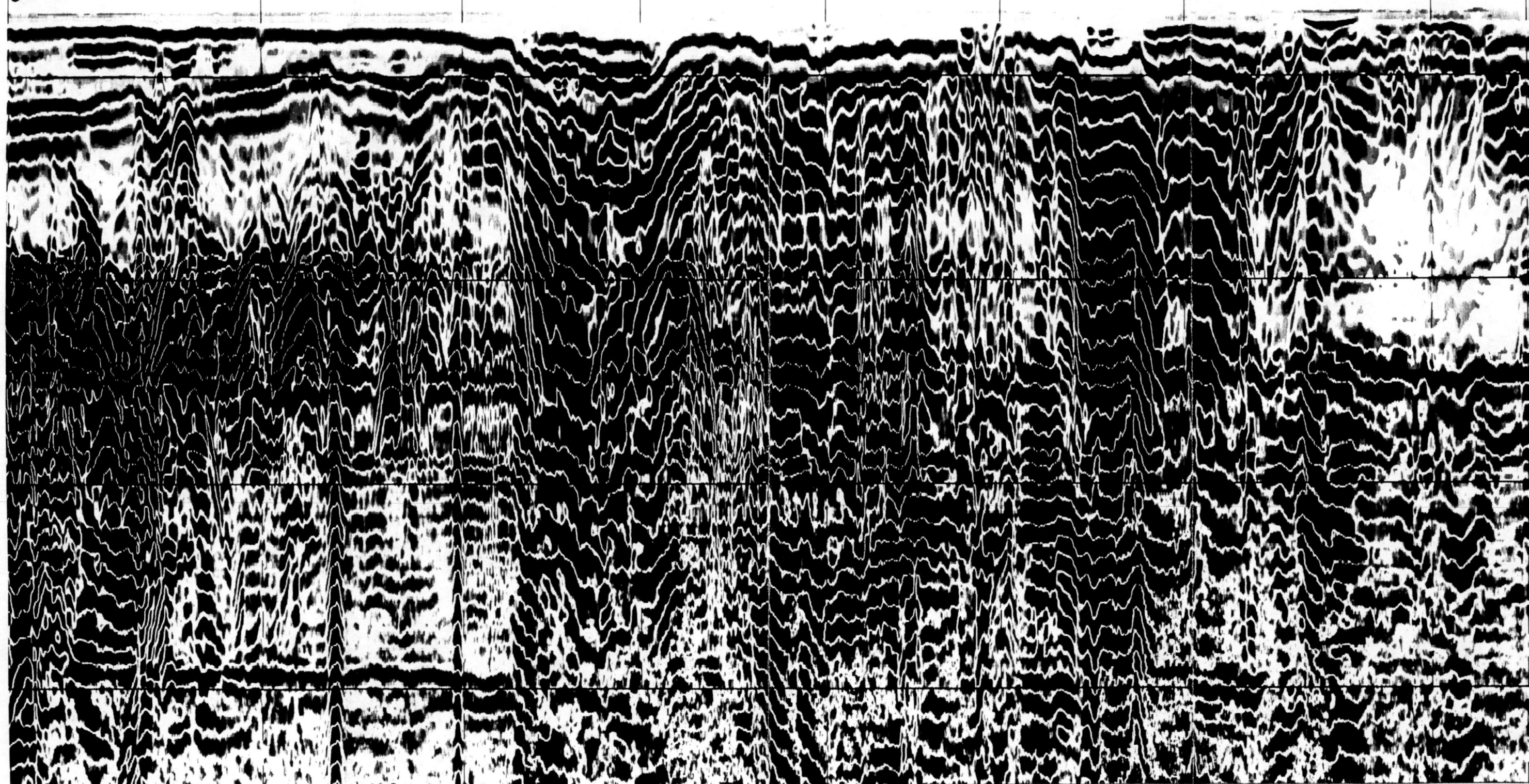
Start: 0E End: 600E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





250 E 300 350 400 450 500 550 600 E



FILE 2 (CONTINUED)



File 3 FILE3 Created December 12, 1994 12:04:12

512 samples/scan 31.9922 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -2 11 41 47 53

Vert: IIR low Pass N=2 F=50  
Vert: IIR high Pass N=2 F=8  
Horiz: IIR stacking TC=4

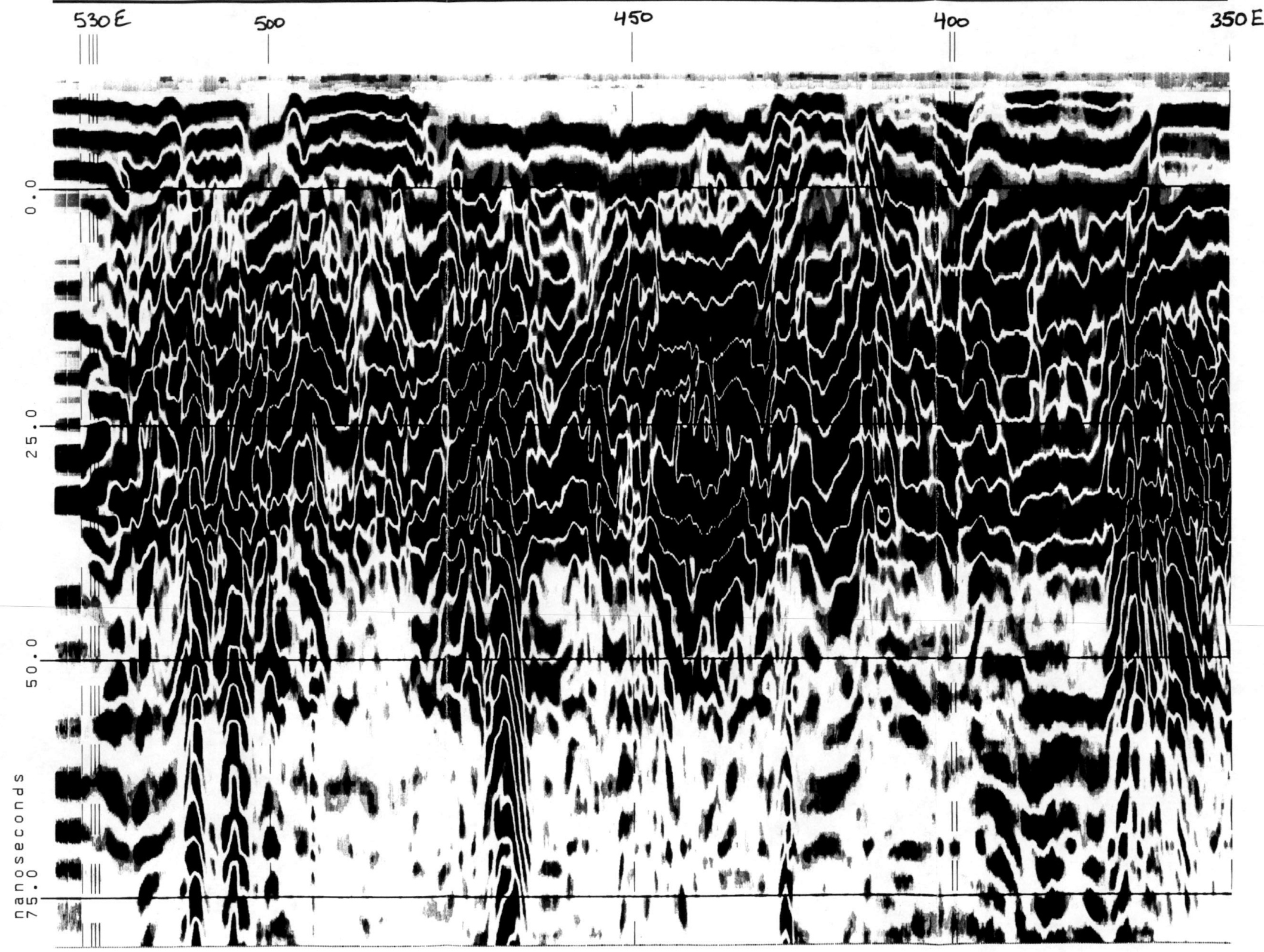
Ft. Monmouth NJ

Main Post Site M12NE

Line 30N, Marks at 50' intervals

Start: 530E End: 0E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



350 E

300

250

200

150

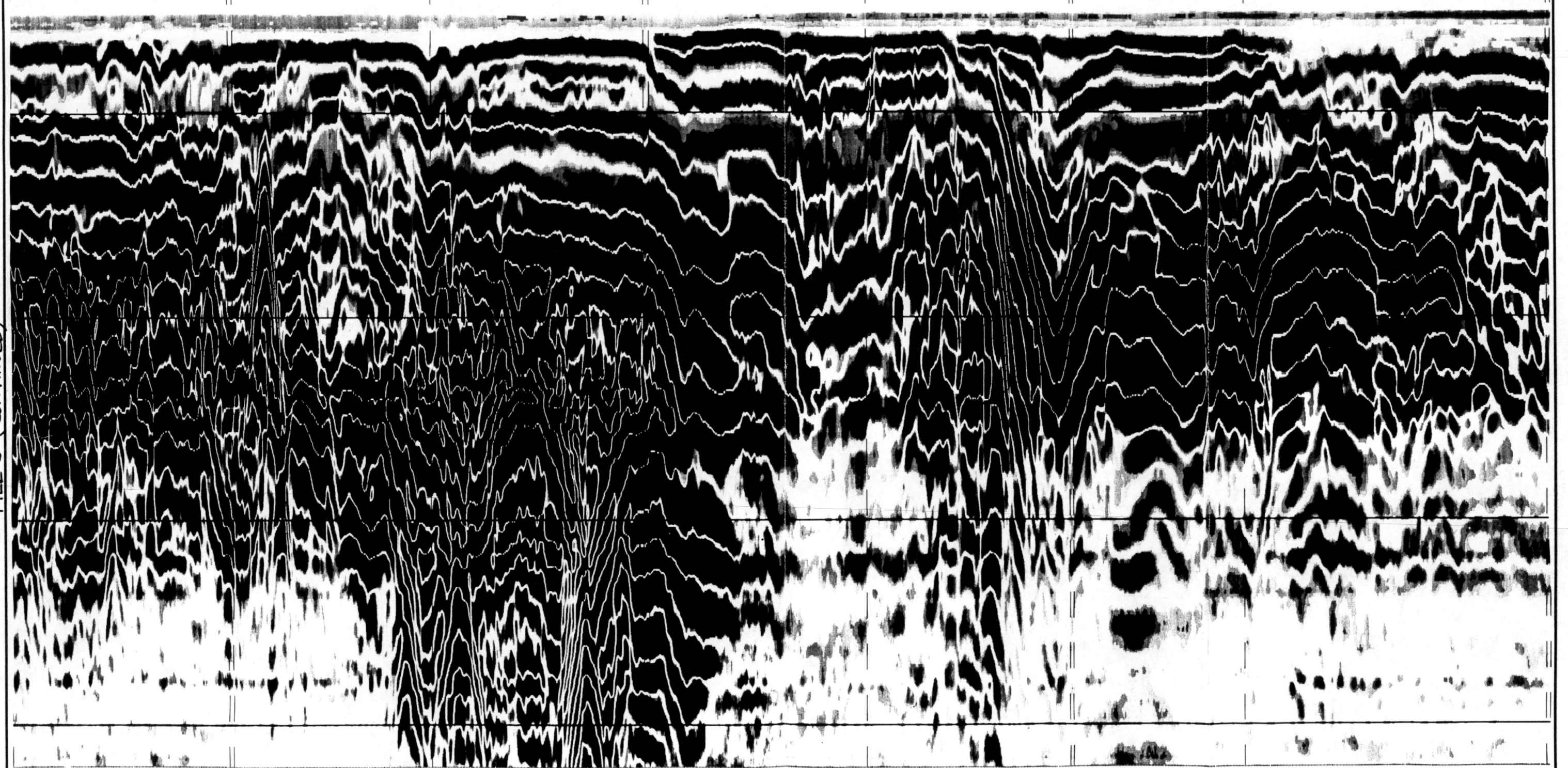
100

50

0

E

FILE 3 (CONTINUED)





File 1 FILE1 Created December 12, 1994 14:25:44

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 2 11 35 52 58

Vert: IIR low pass N=2 F=50  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

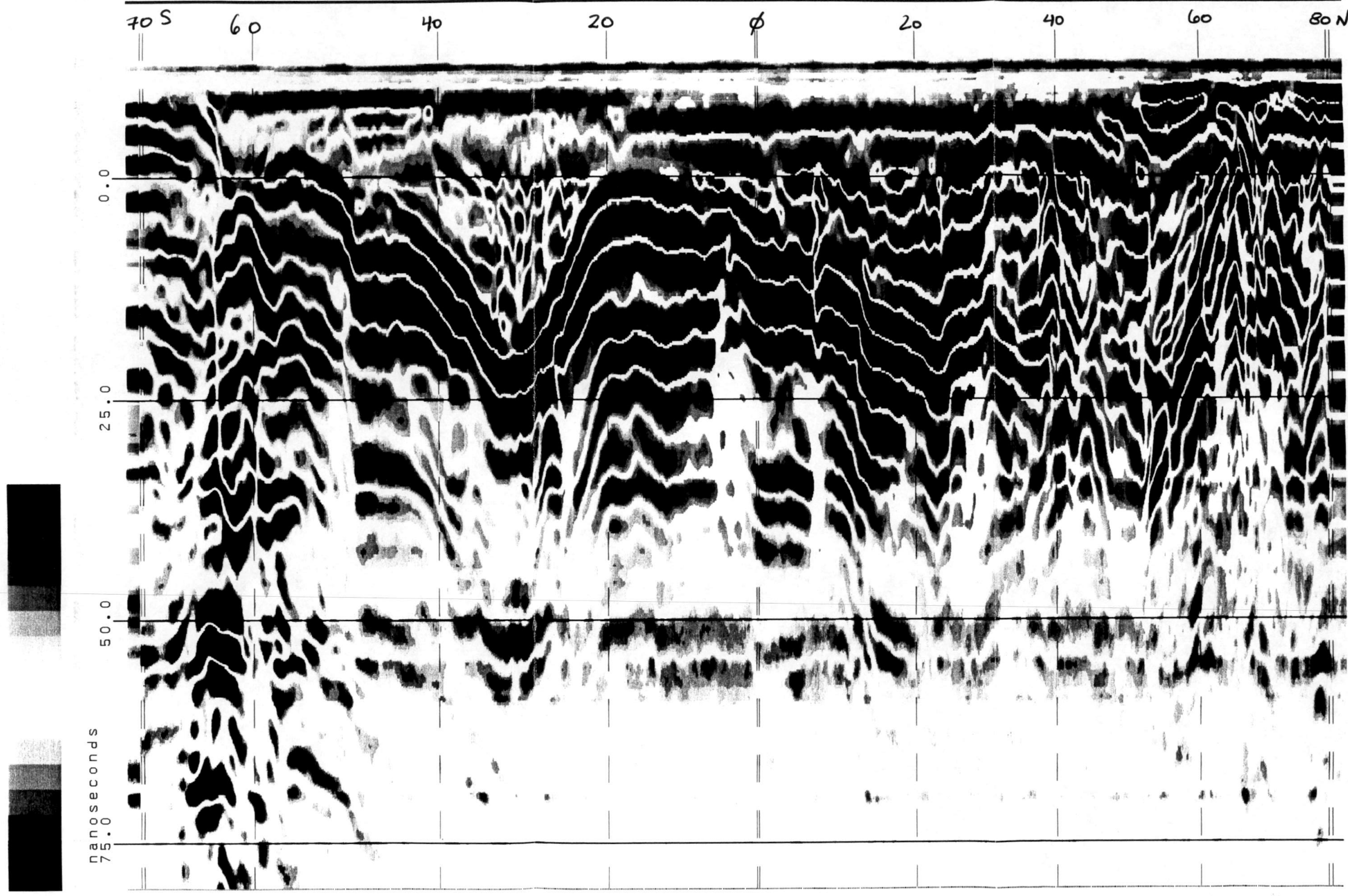
Ft. Monmouth NJ

Main Post Site M12NE

Line 0E, Marks at 20' intervals

Start: 70S End: 80N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 2 FILE2 Created December 12, 1994 14:32:16

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 2 11 35 52 58

Vert: IIR low pass N=2 F=50  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

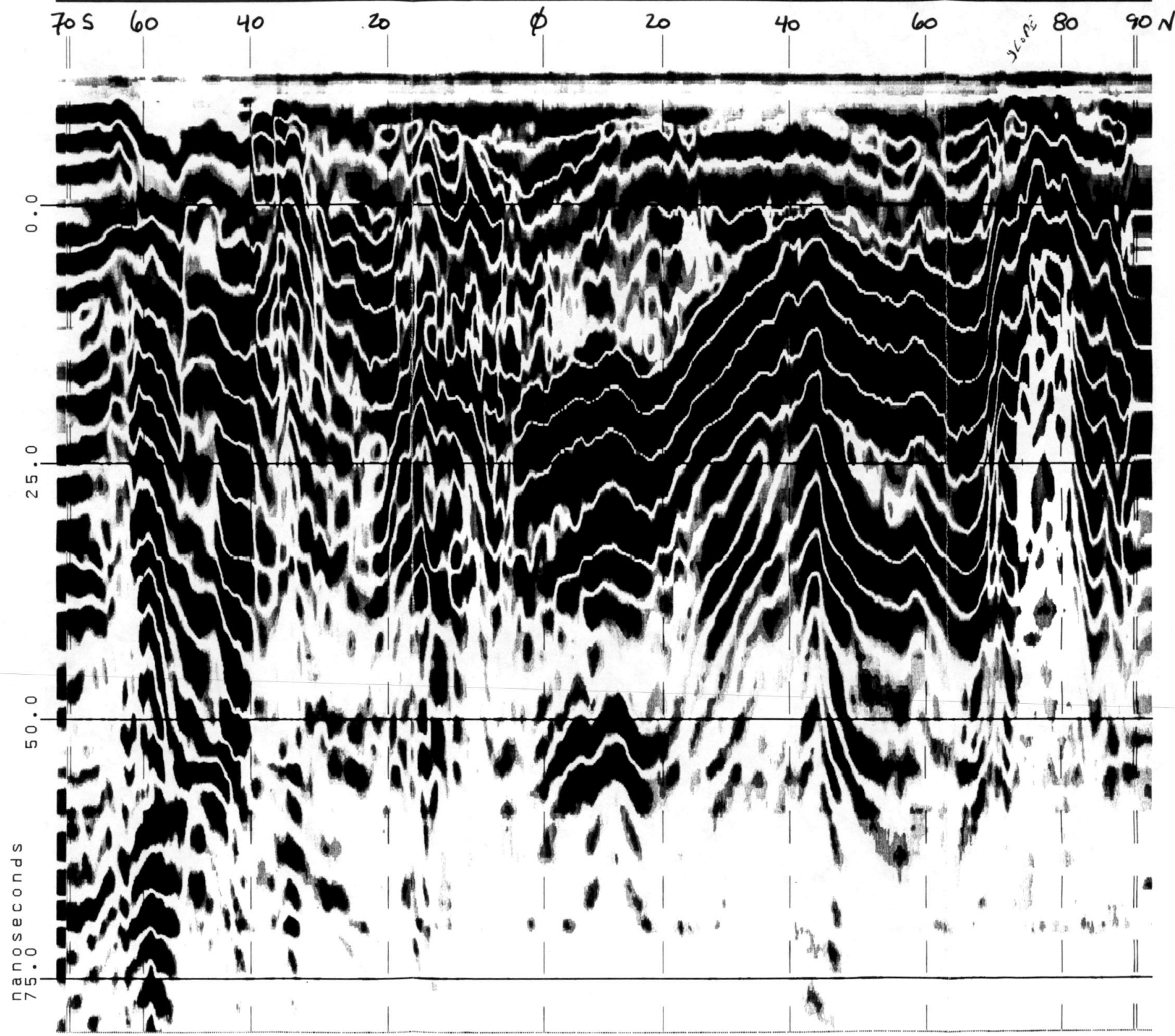
Ft. Monmouth NJ

Main Post Site M12NE

Line 50E, Marks at 20' intervals

Start: 70S End: 90N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 3 FILE3 Created December 12, 1994 14:36:54

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 2 11 35 52 58

Vert. IIR low pass N=2 F=50  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

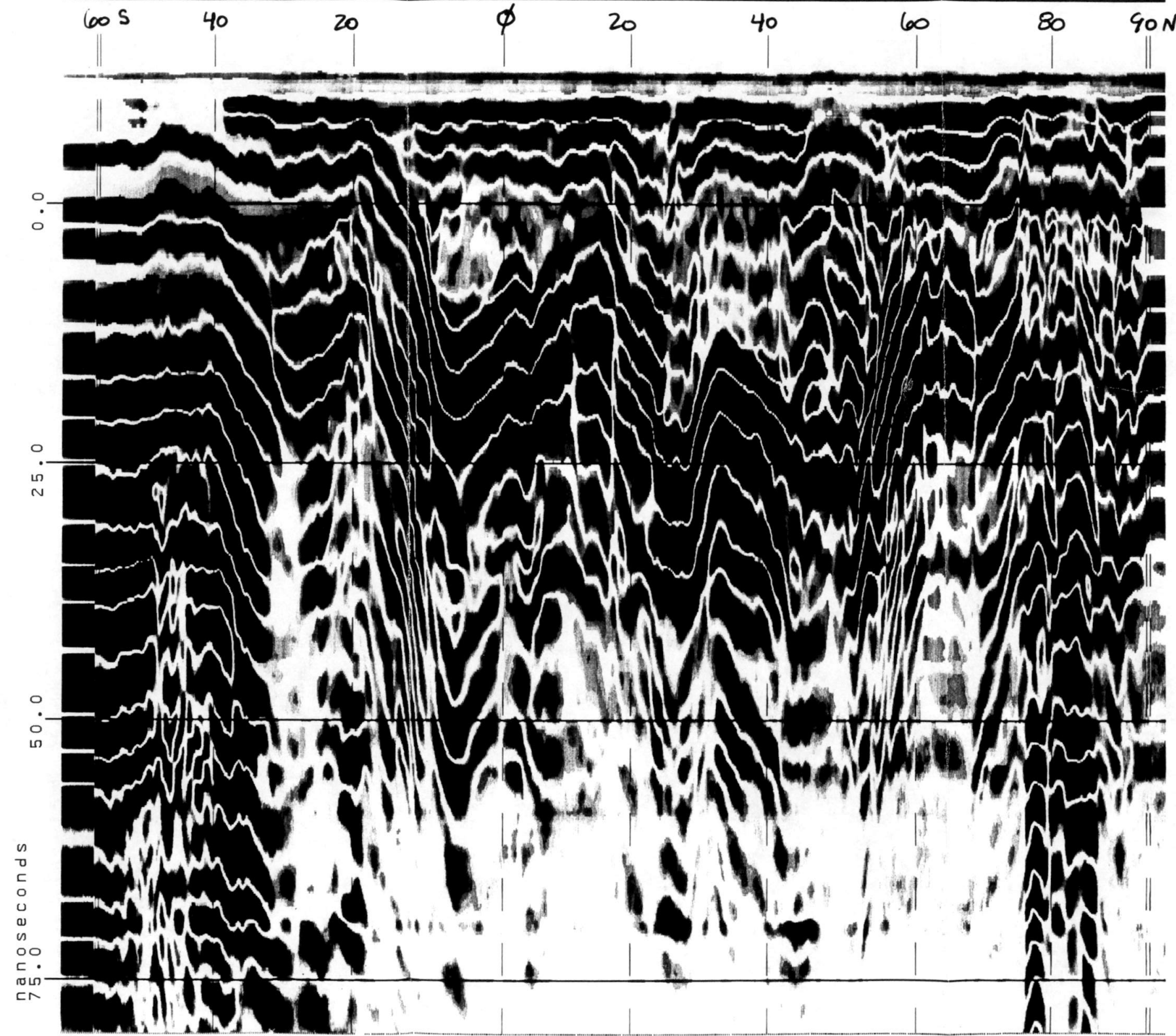
Ft. Monmouth NJ

Main Post Site M12NE

Line 100E, Marks at 20' intervals

Start: 60S End: 90N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 4 FILES Created December 12, 1994 14:42:12

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 6 25 29 34

Vert: IIR low Pass N=2 F=50  
Vert: IIR high Pass N=2 F=8  
Horiz: IIR stacking TC=4

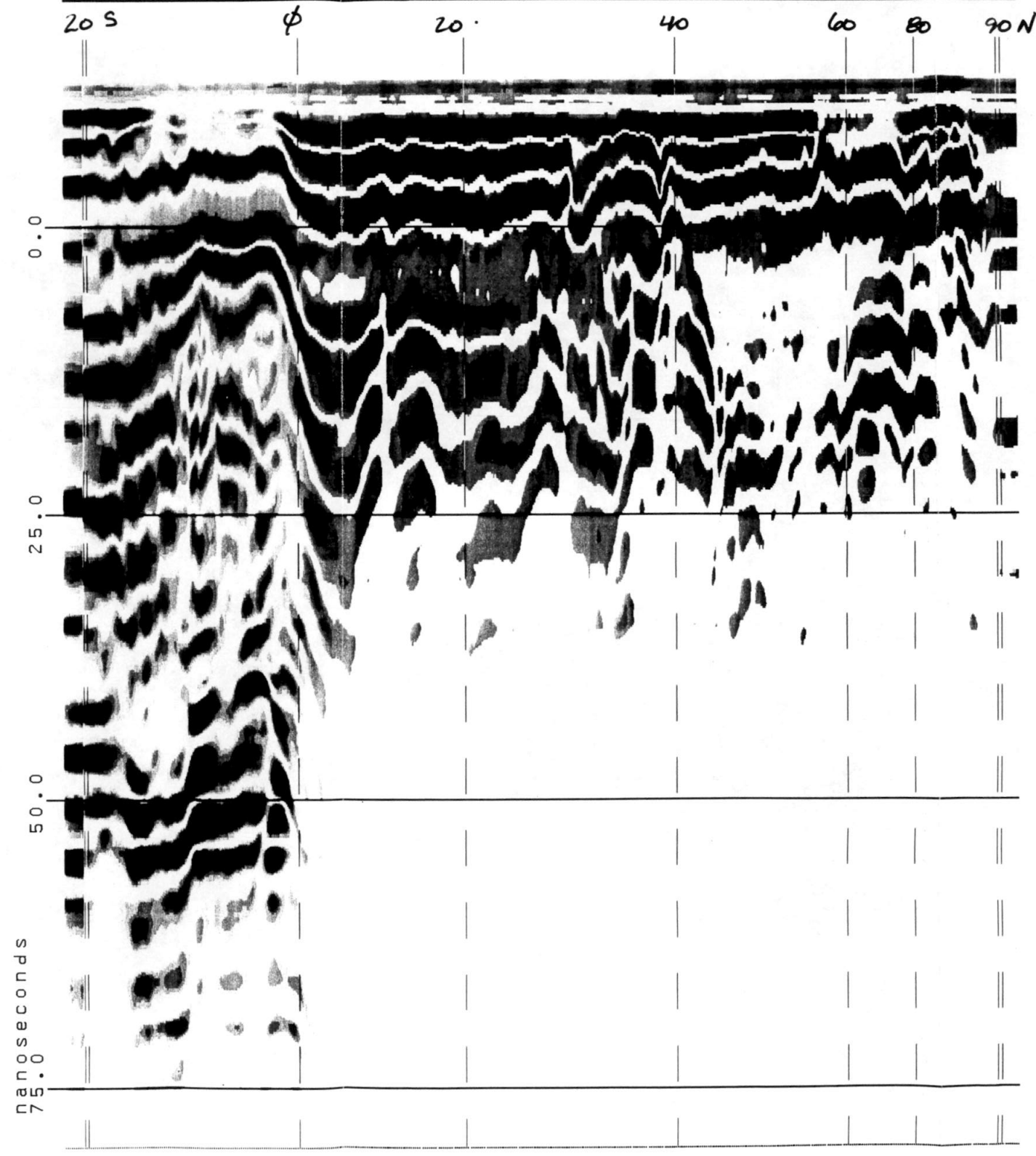
Ft. Monmouth NJ

Main Post Site M12NE

Line 150E, Marks at 20' intervals

Start: 20S End: 90N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 5 FILES Created December 12, 1994 14:46:22

512 samples/scan 25.004 scans/sec  
Position: 0 nS range: 100 nS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 6 25 34 37

Vert: IIR low Pass N=2 F=50  
Vert: IIR high Pass N=2 F=8  
Horiz: IIR stacking TC=4

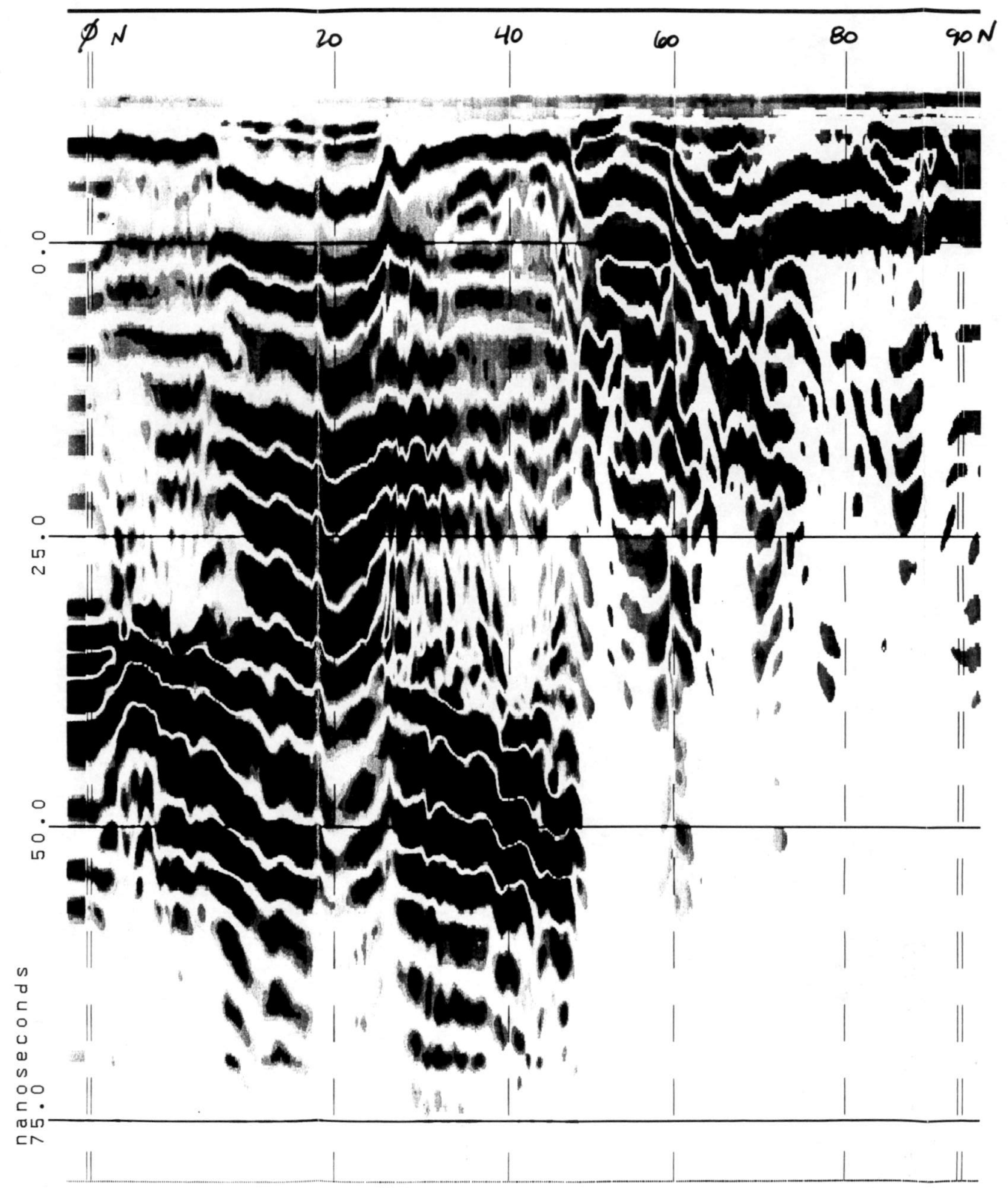
Ft. Monmouth NJ

Main Post Site M12NE

Line 200E, Marks at 20' intervals

Start: 0N End: 90N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 6 FILE6 Created December 12, 1994 14:49:24

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 6 25 34 37

Vert: IIR low pass N=2 F=50  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

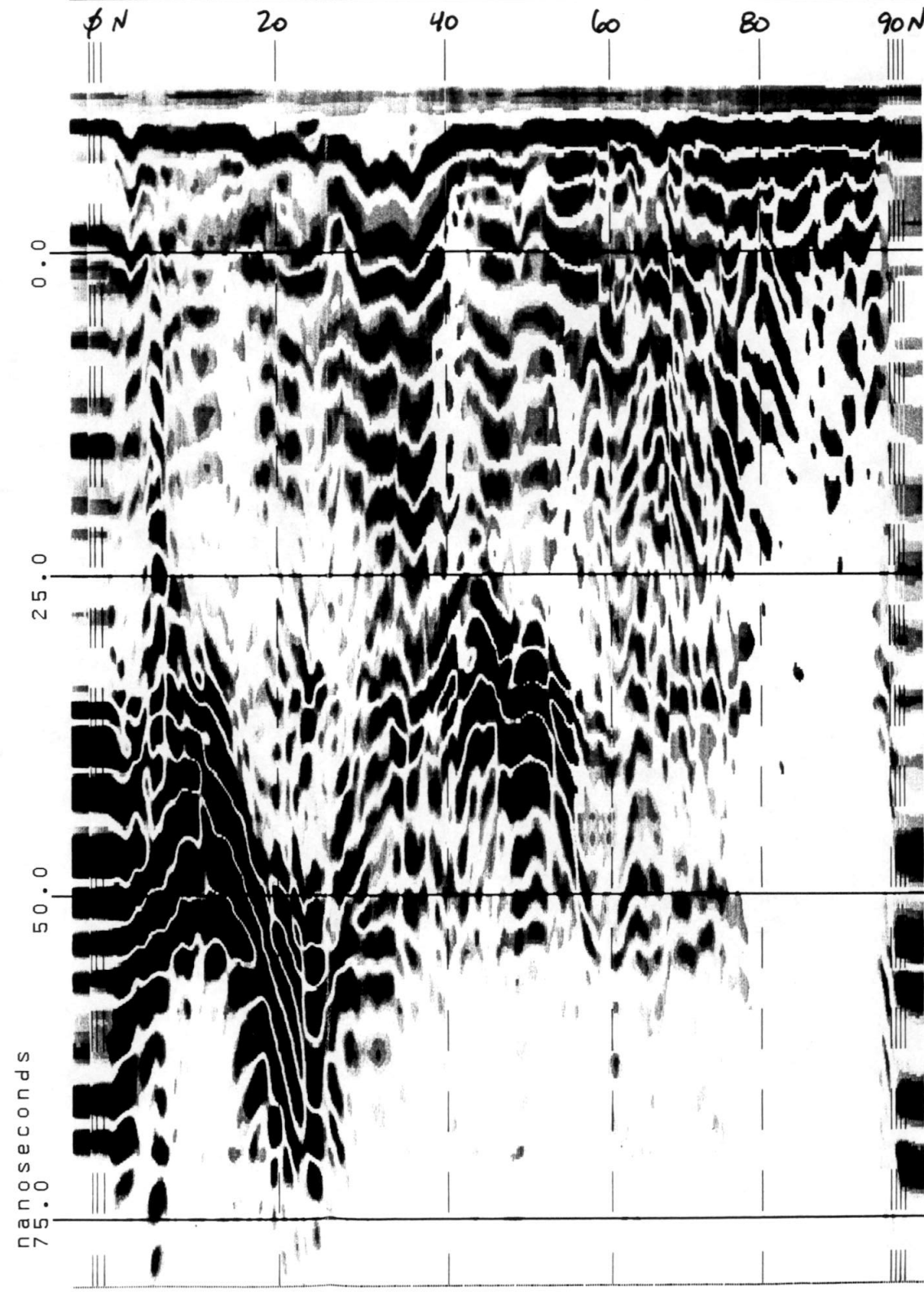
Ft. Monmouth NJ

Main Post Site M12NE

Line 250E, Marks at 20' intervals

Start: 0N End: 90N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 7 FILE7 Created December 12, 1994 14:57:34

512 samples/scan 25.004 scans/sec  
Position: 0 nS range: 100 nS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 6 25 34 37

Vert. IIR low pass N=2 F=50  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

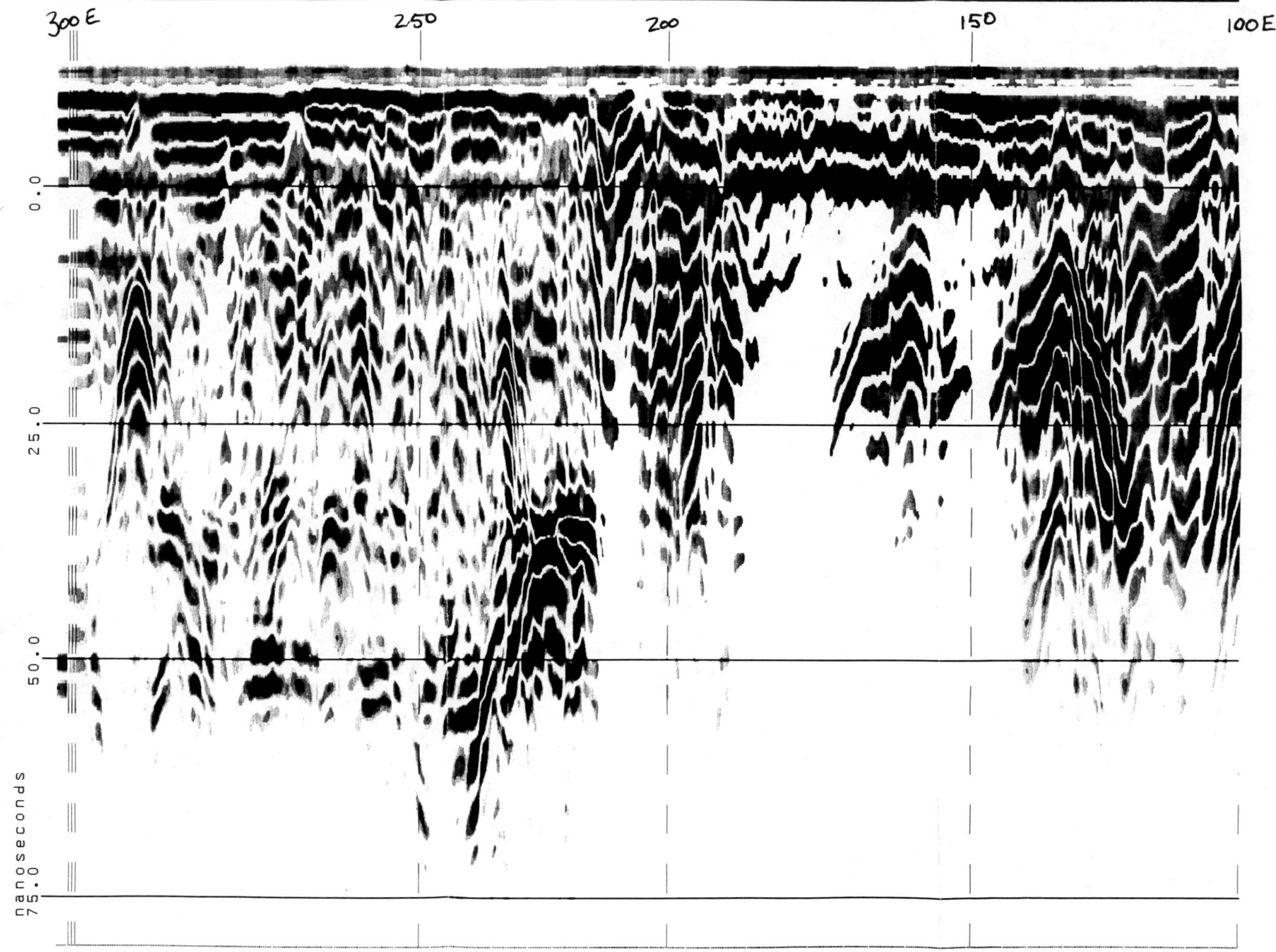
Ft. Monmouth NJ

Main Post Site M12NE

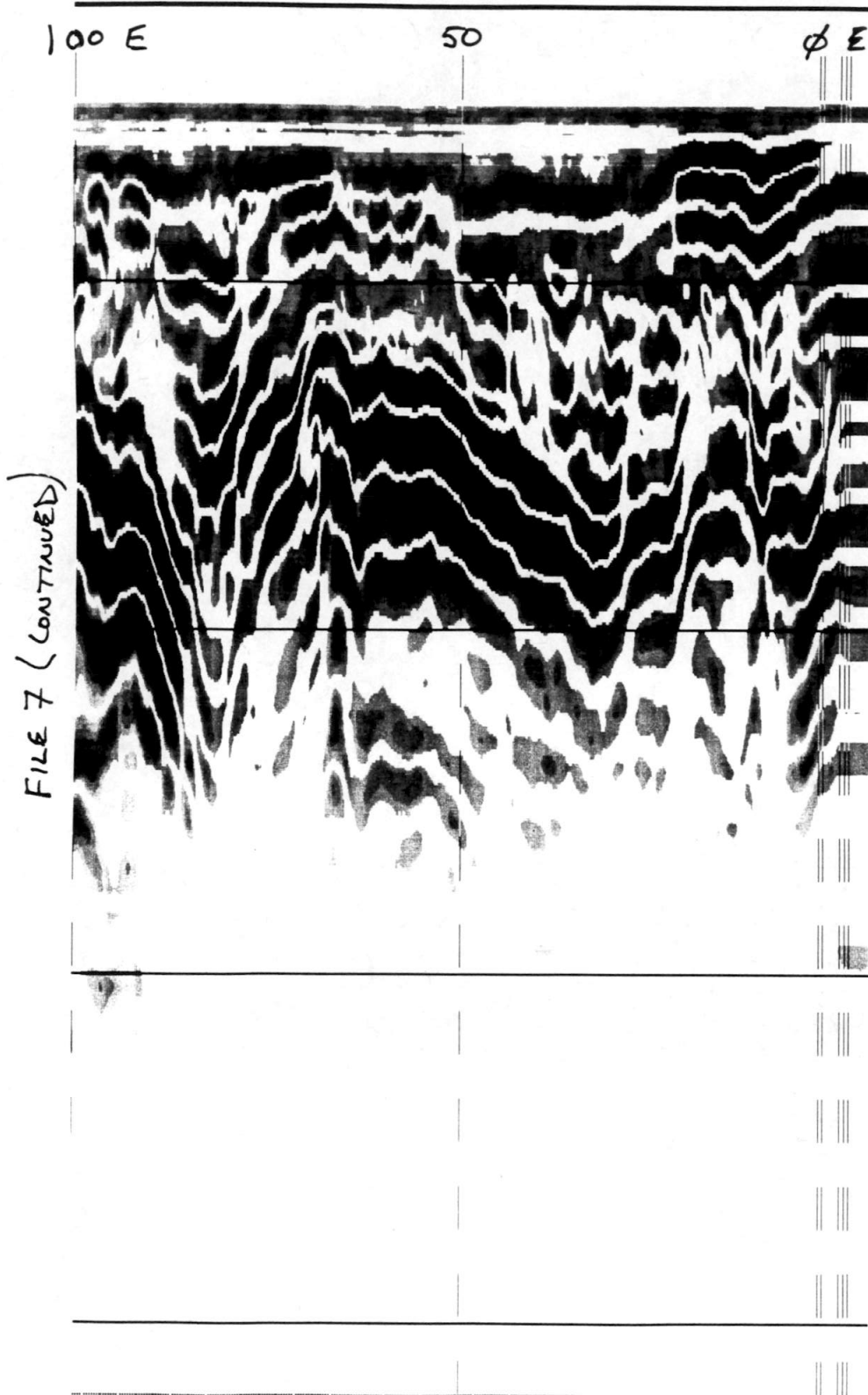
Line 60 N, Marks at 20' intervals

Start: 300E End: 0E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%







File 8 FILE8 Created December 12, 1994 15:02:58

512 samples/scan 25.004 scans/sec  
position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 6 25 34 37

Vert. IIR low pass N=2 F=50  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

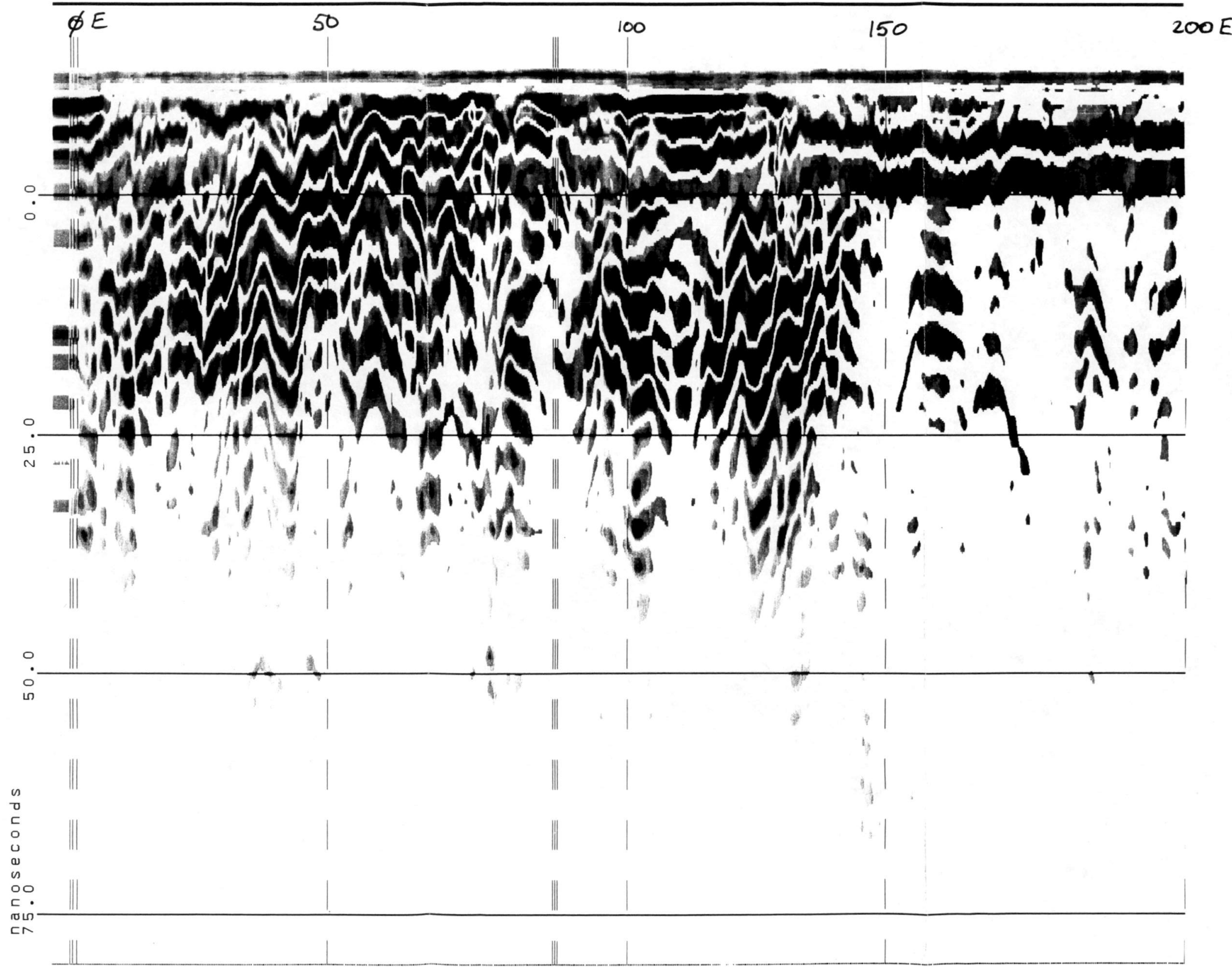
Ft. Monmouth NJ

Main Post Site M12NE

Line 80 N, Marks at 50' intervals

Start: 0E End: 300E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%

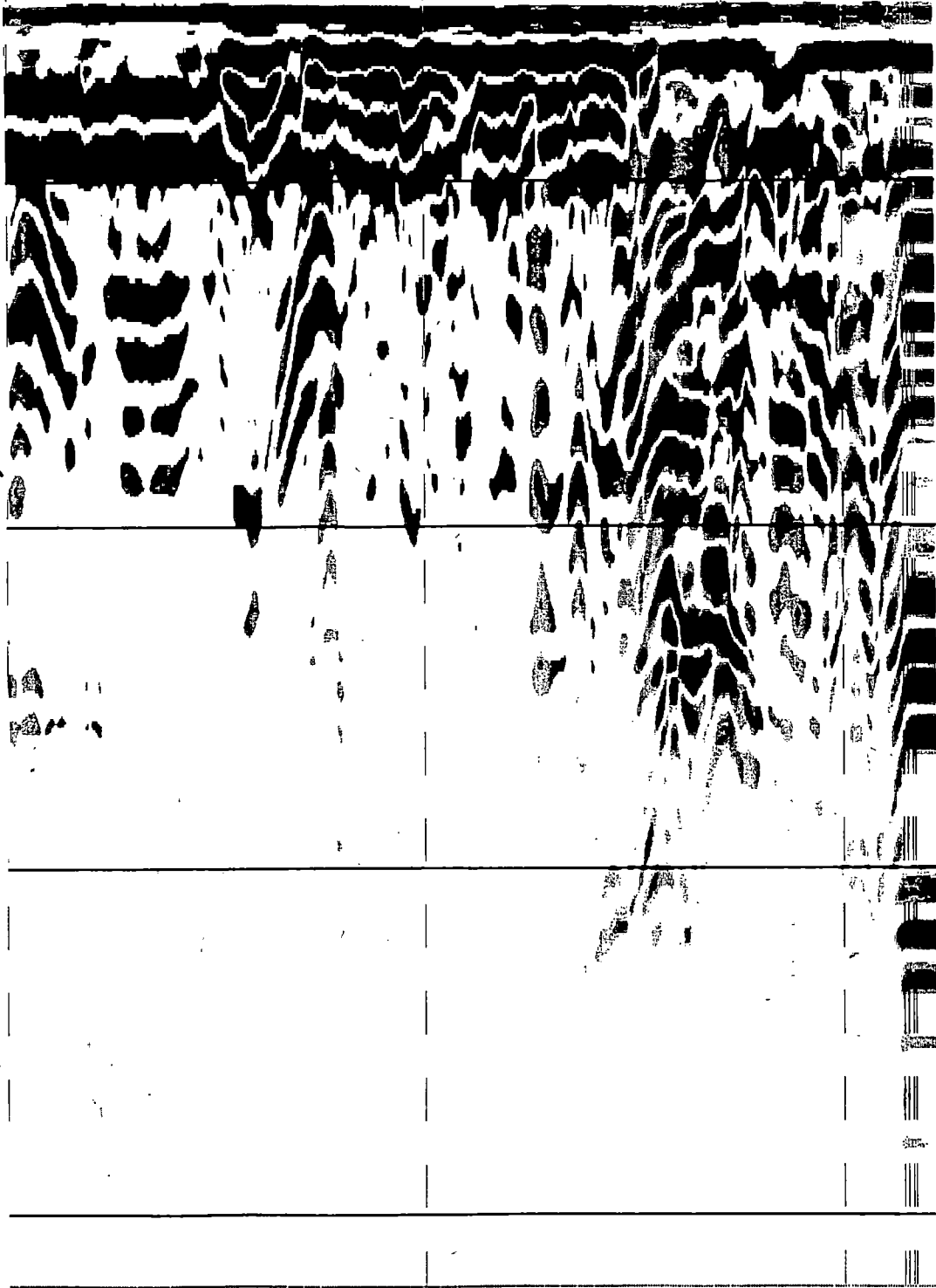


200 E

250

300 E

FILE B (CONTINUED)





File 9 FILE9 Created December 12, 1994 15:19:30

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 6 25 34 37

Vert: IIR low Pass N=2 F=50  
Vert: IIR high Pass N=2 F=8  
Horiz: IIR stacking TC=4

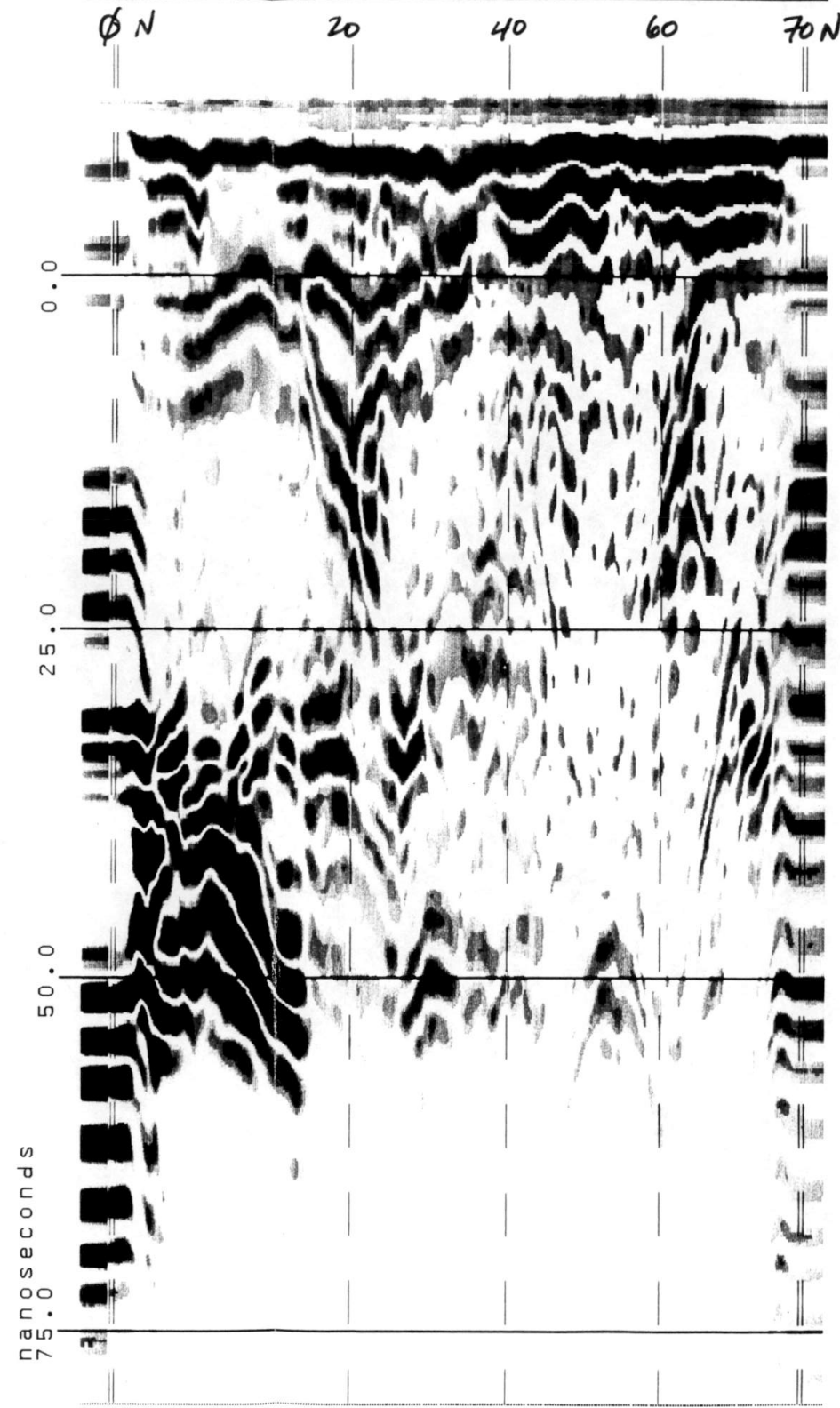
Ft. Monmouth NJ

Main Post Site M12NE

Line 300 E, Marks at 20' intervals

Start: 0N End: 70N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 10 FILE10 Created December 12, 1994 15:22:50

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 6 25 34 37

Vert. IIR low pass N=2 F=50  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

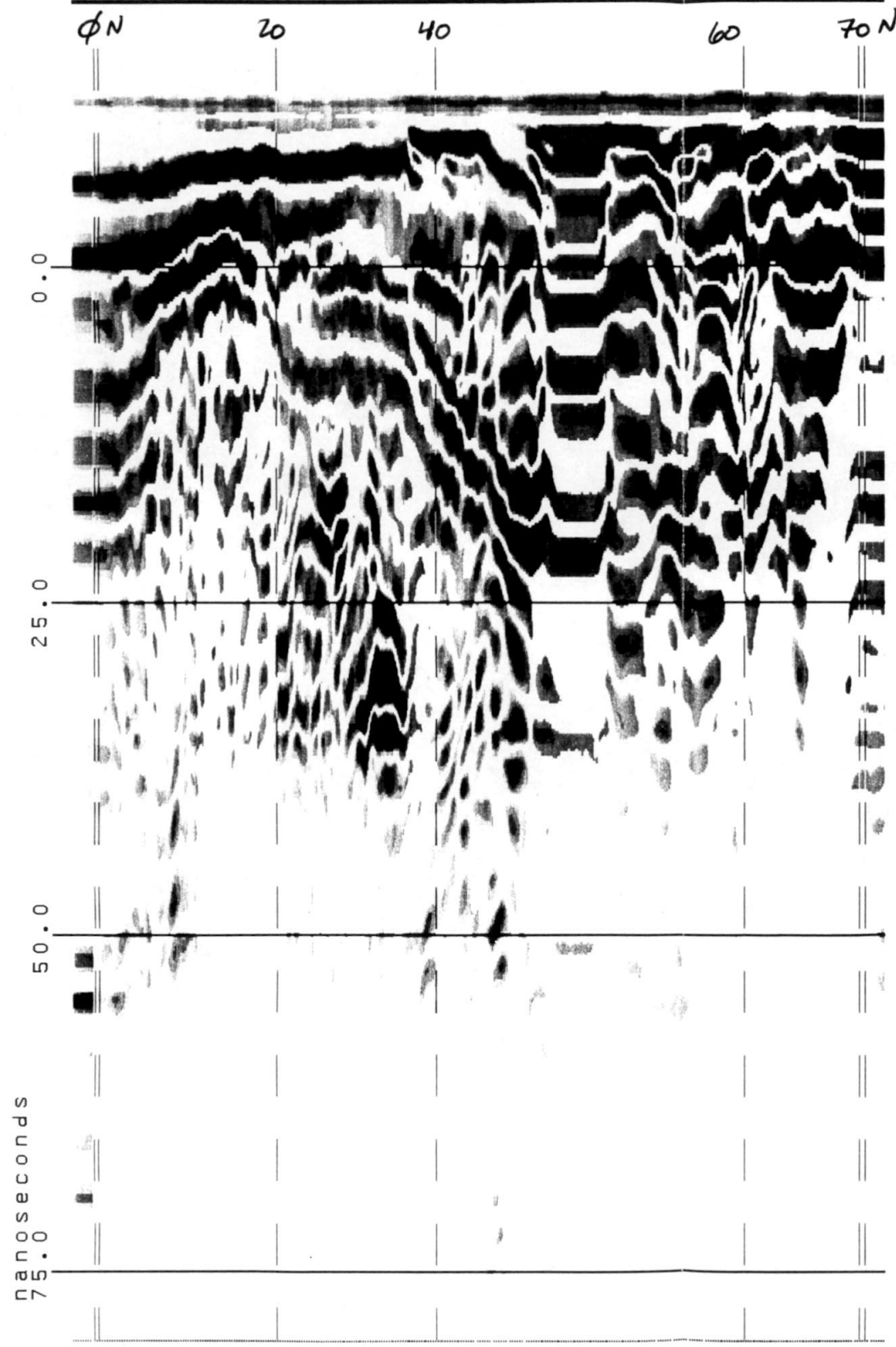
Ft. Monmouth NJ

Main Post Site M12NE

Line 350 E, Marks at 20' intervals

Start: 0N End: 70N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 11 FILE11 Created December 12, 1994 15:46:12

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 6 25 34 37

Vert: IIR low pass N=2 F=50  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

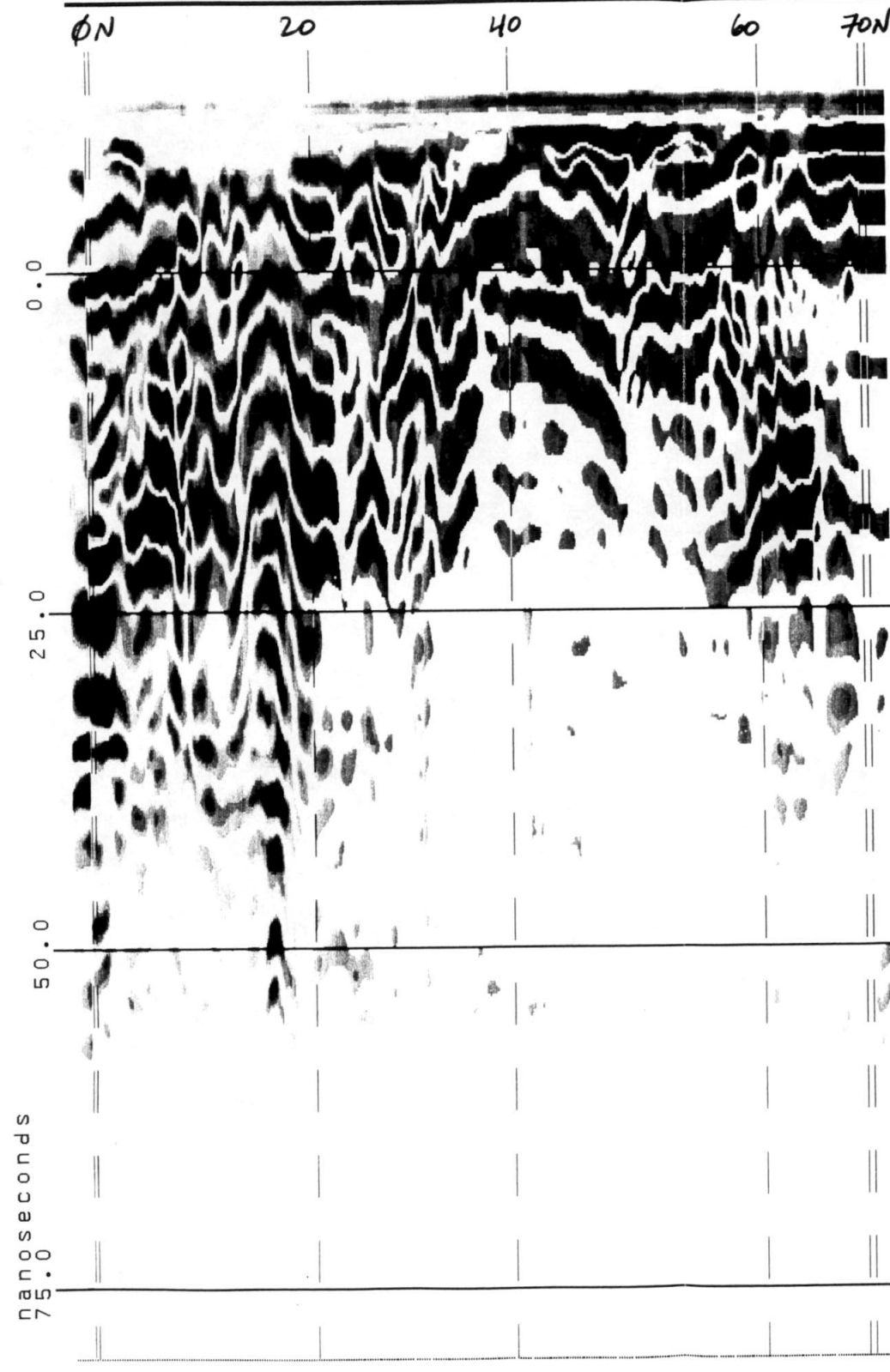
Ft. Monmouth NJ

Main Post Site M12NE

Line 400 E, Marks at 20' intervals

Start: 0N End: 70N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 12 FILE12 Created December 12, 1994 15:49:16

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 26 36 39

Vert. IIR low pass N=2 F=50  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

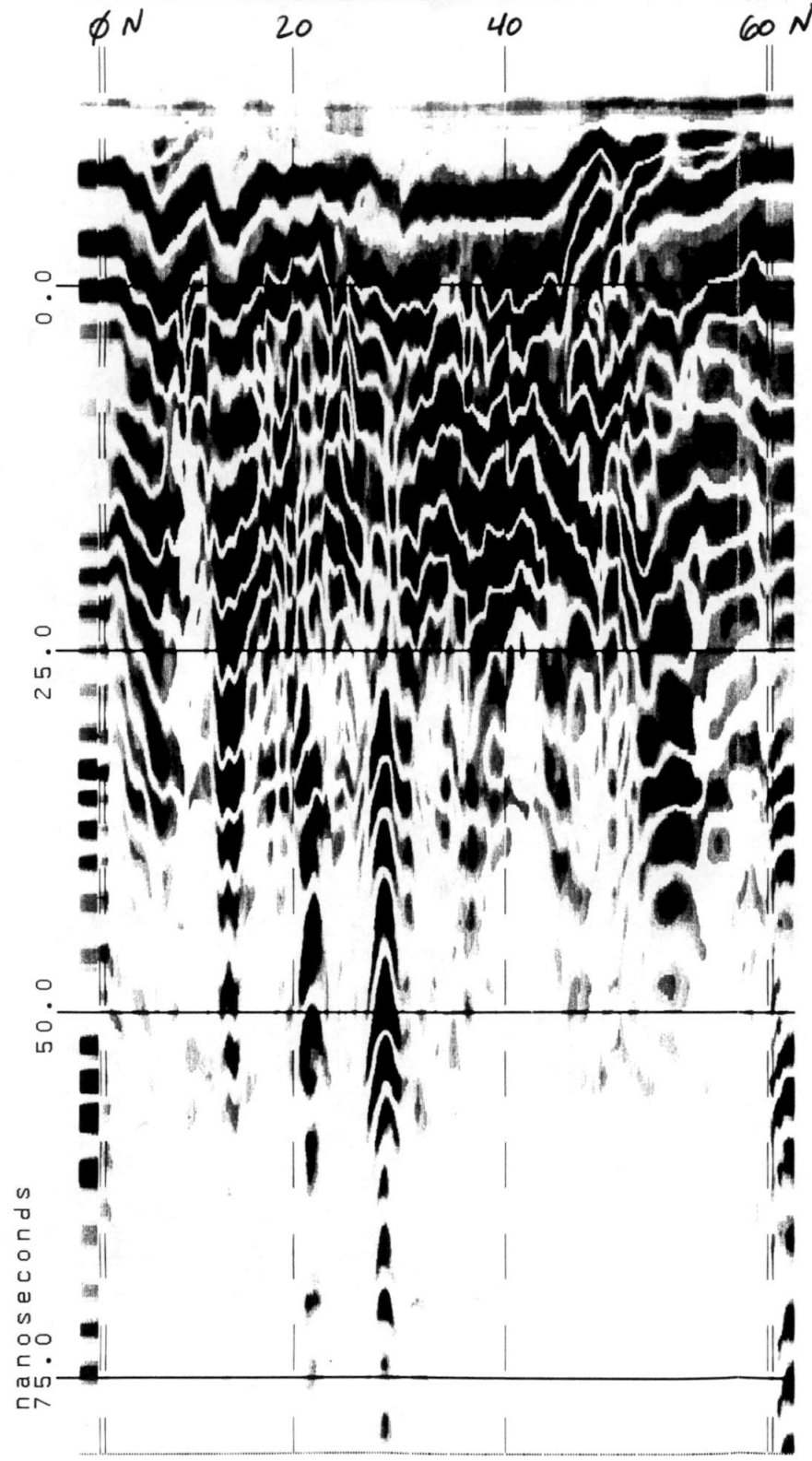
Ft. Monmouth NJ

Main Post Site M12NE

Line 450 E, Marks at 20' intervals

Start: 0N End: ~~20N~~ 60N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 13 FILE13 Created December 12, 1994 15:53:50

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 26 36 39

Vert: IIR low pass N=2 F=50  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

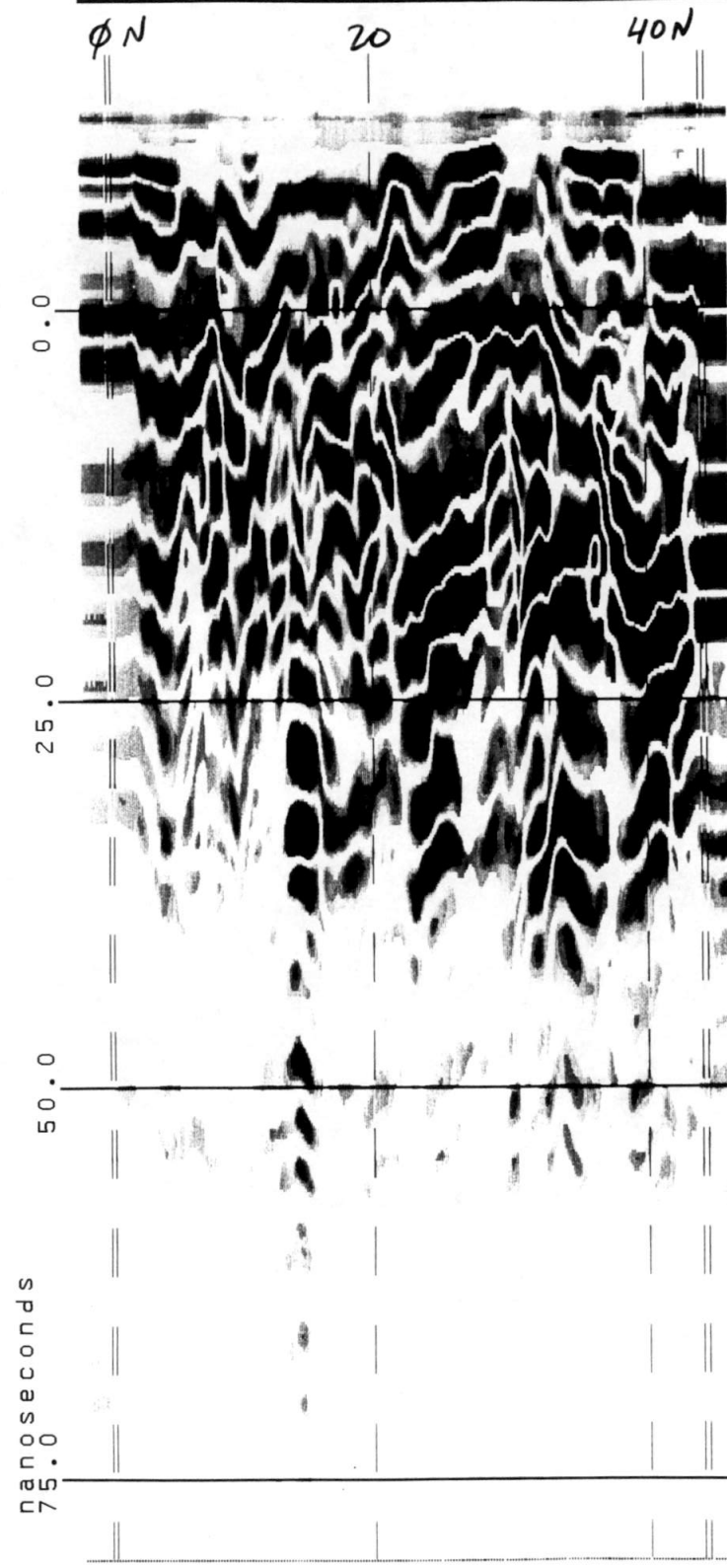
Ft. Monmouth NJ

Main Post Site M12NE

Line 500 E, Marks at 20' intervals

Start: 0N End: 40N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 14 FILE14 Created December 12, 1994 15:59:00

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 26 36 39

Vert: IIR low Pass N=2 F=50  
Vert: IIR high Pass N=2 F=8  
Horiz: IIR stacking TC=4

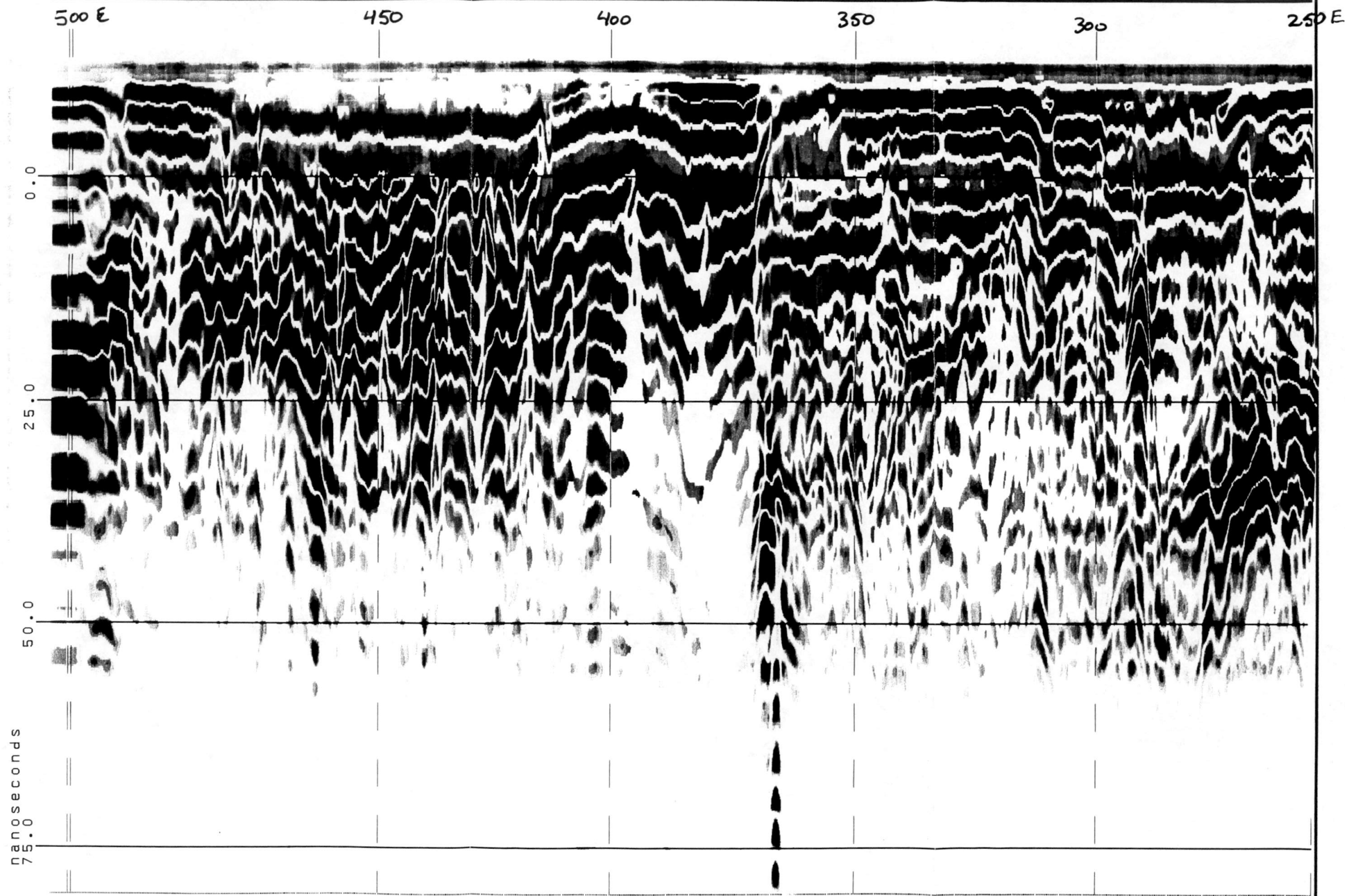
Ft. Monmouth NJ

Main Post Site M12NE

Line 40N, Marks at 50' intervals

Start: 500E End: 200E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



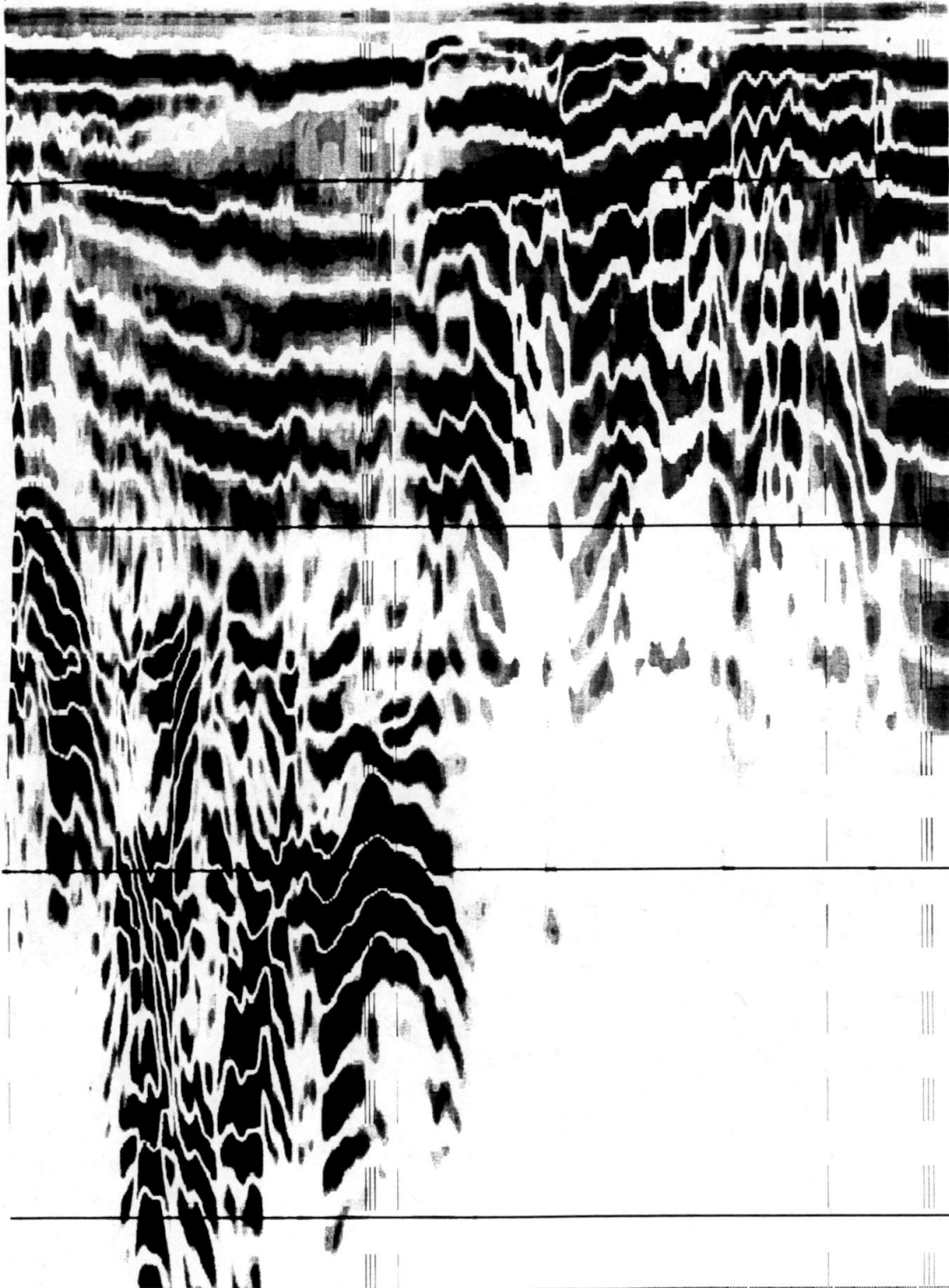


250 E

200E  
5000' / 50'

150E

FILE 14 (CONTINUED)



File 15 FILE15 Created December 12, 1994 16:04:46

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 26 36 39

Vert. IIR low Pass N=2 F=50  
Vert. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

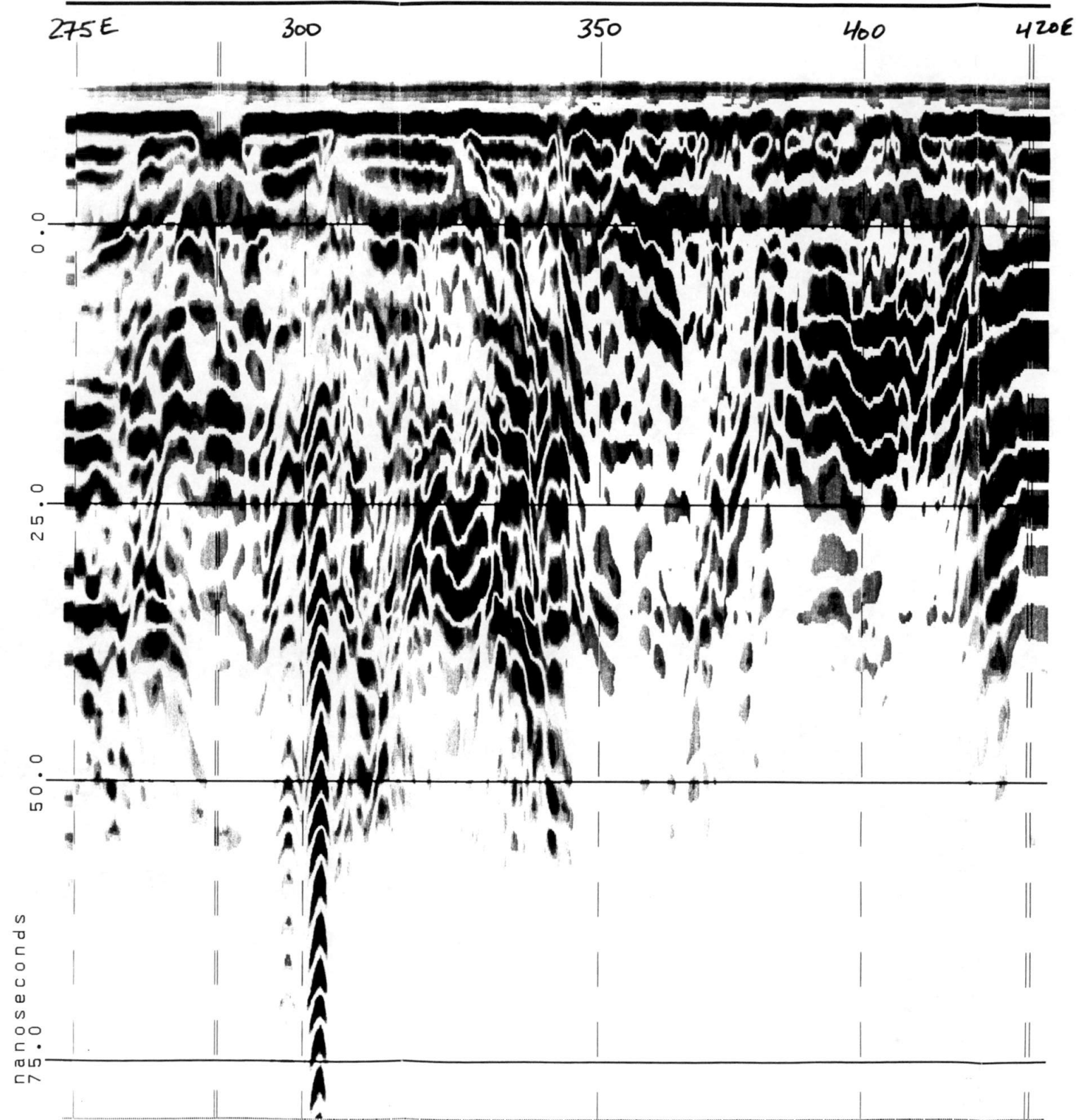
Ft. Monmouth NJ

Main Post Site M12NE

Line 60N, Marks at 50' intervals

Start: 275E End: 420E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 16 FILE16 Created December 12, 1994 16:18:58

512 samples/scan 25.004 scans/sec  
Position: 0 nS range: 100 nS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 26 36 39

Vert. IIR low pass N=2 F=50  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

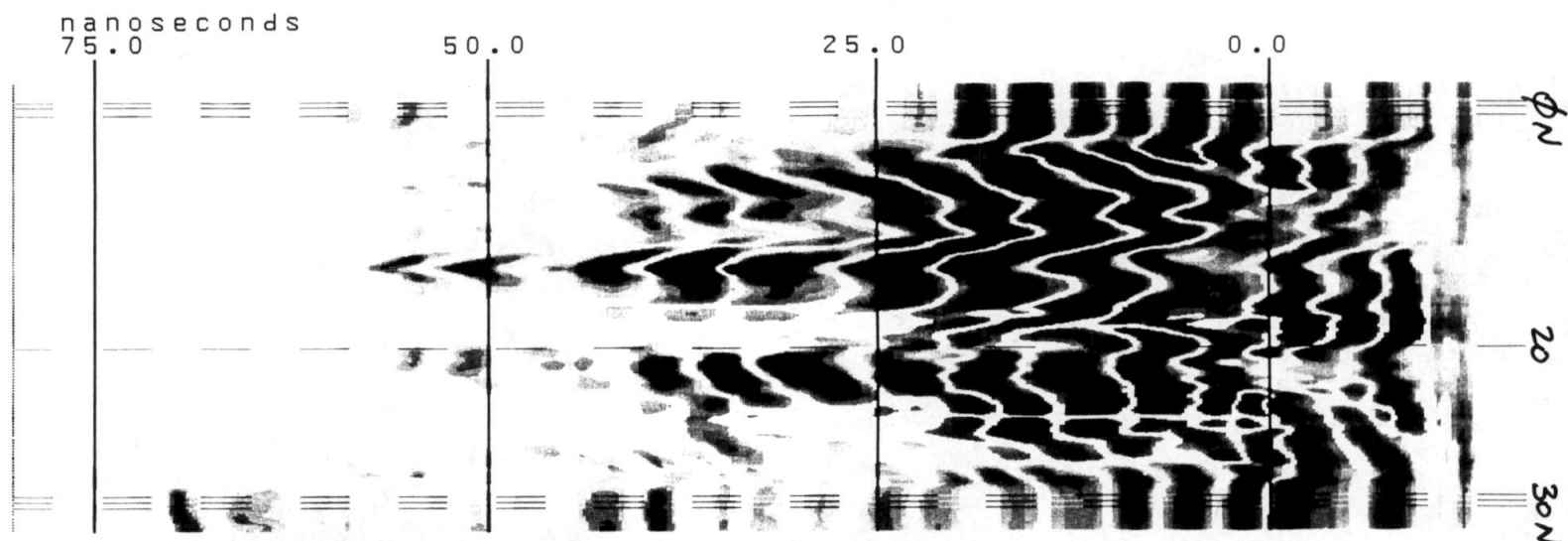
Ft. Monmouth NJ

Main Post Site M12NE

Line 550E, Marks at 20' intervals

Start: 0N End: 30N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 17 FILE17 Created December 12, 1994 16:22:08

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 26 36 39

Vert: IIR low pass N=2 F=50  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

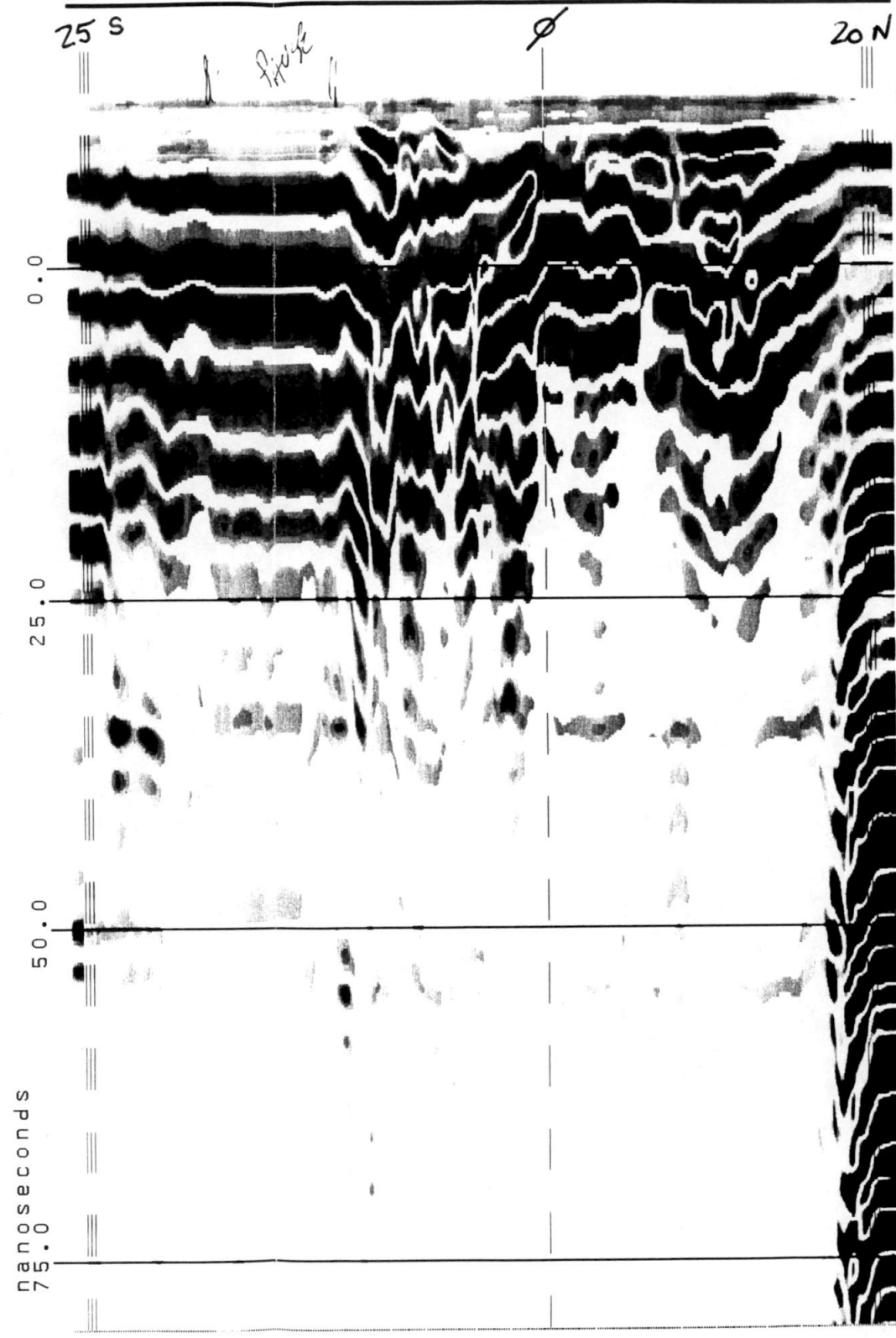
Ft. Monmouth NJ

Main Post Site M12NE

Line 600E, Marks at 20' intervals

Start: 20S ~~25S~~ End: 20N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 18 FILE18 Created December 12, 1994 16:29:08

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 26 36 39

Vert: IIR low Pass N=2 F=50  
Vert: IIR high Pass N=2 F=8  
Horiz: IIR stacking TC=4

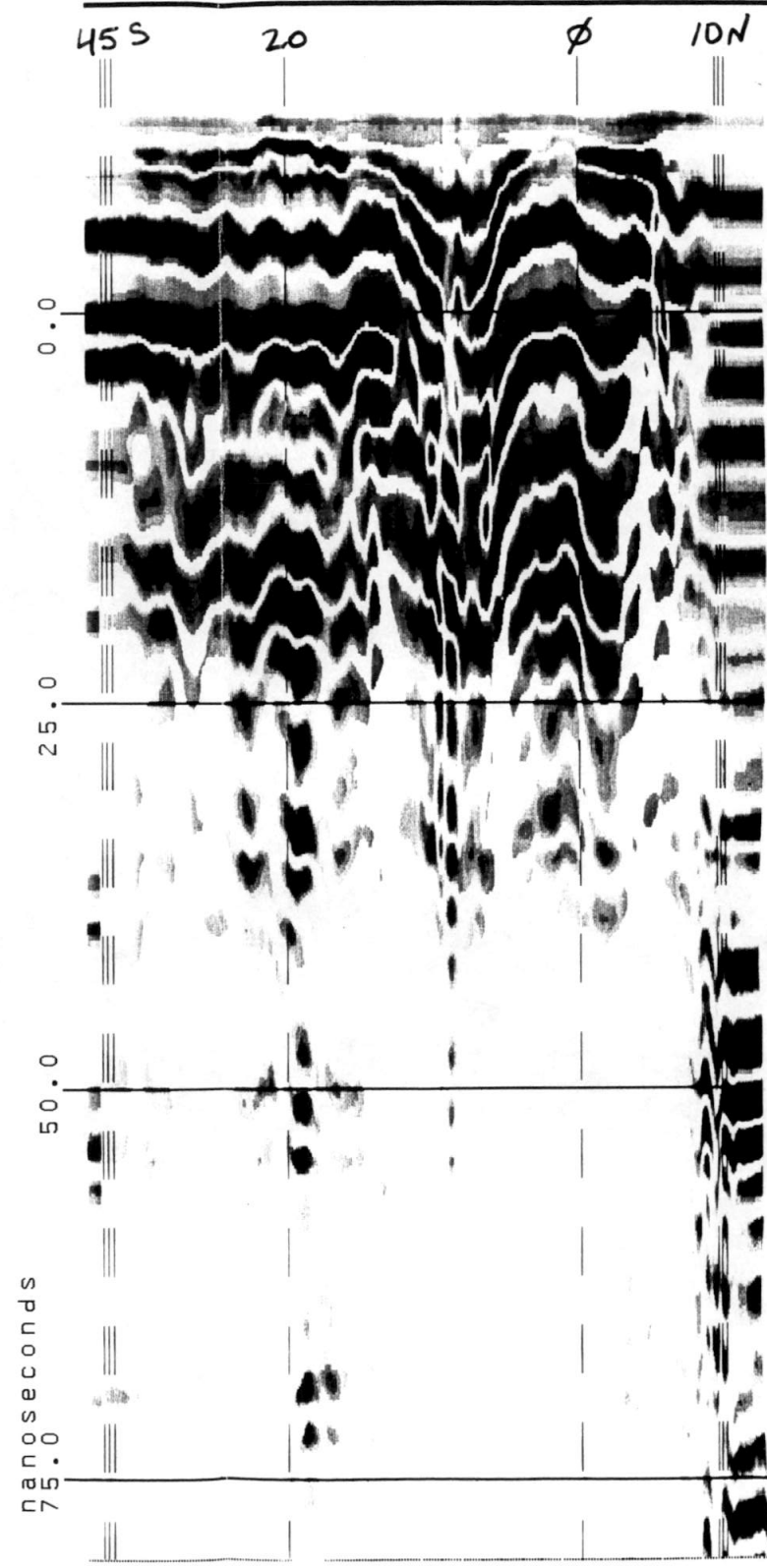
Ft. Monmouth NJ

Main Post Site M12NE

Line 650E, Marks at 20' intervals

Start: 45S End: 10N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 19 FILE19 Created December 12, 1994 16:35:46

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 26 36 39

Vert: IIR low pass N=2 F=50  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

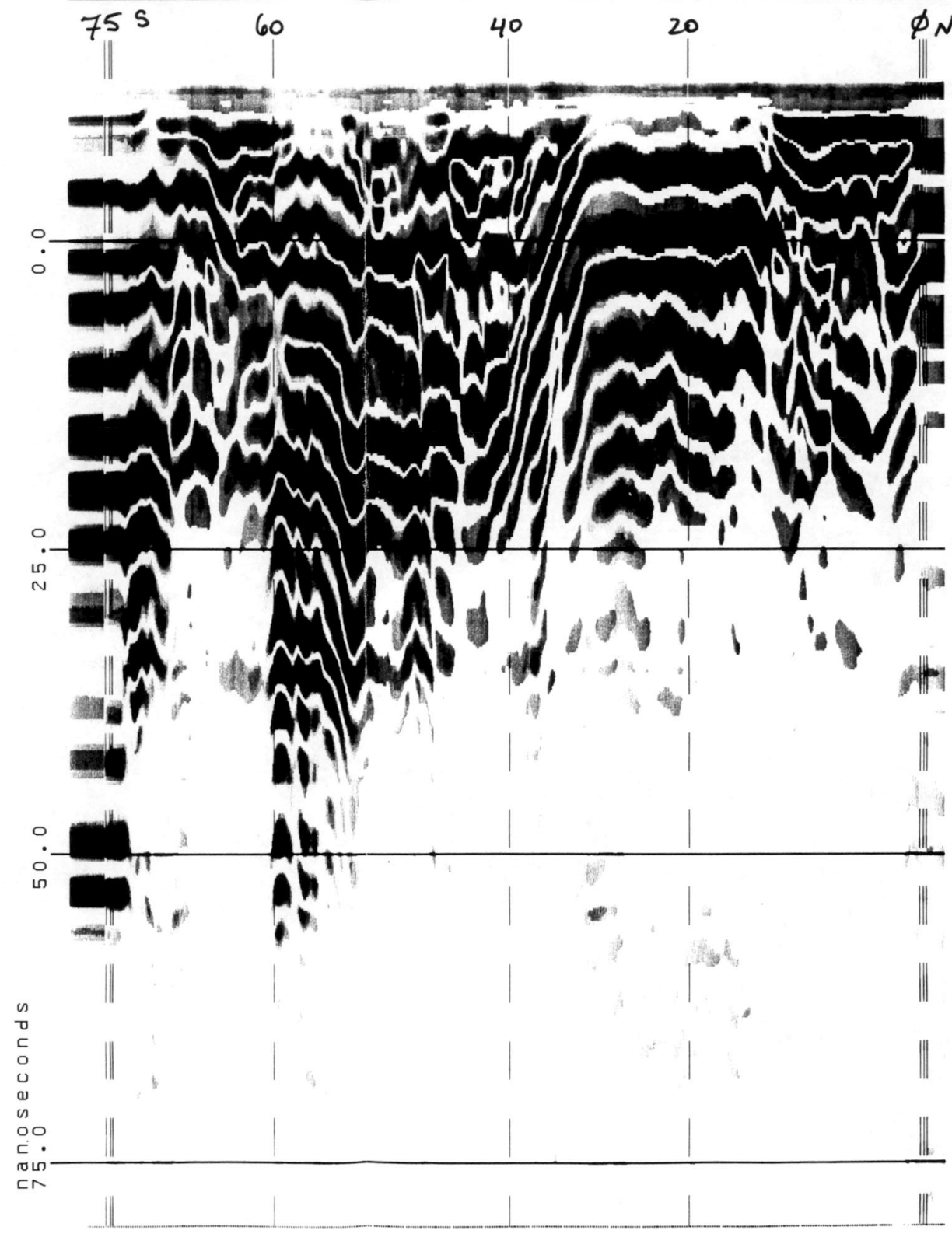
Ft. Monmouth NJ

Main Post Site M12NE

Line 675E, Marks at 20' intervals

Start: 75S End: 0N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 20 FILE20 Created December 12, 1994 16:42:56

512 samples/scan 25.004 scans/sec  
Position: 0 NS Range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 26 36 39

Vert. IIR low pass N=2 F=50  
Horiz. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

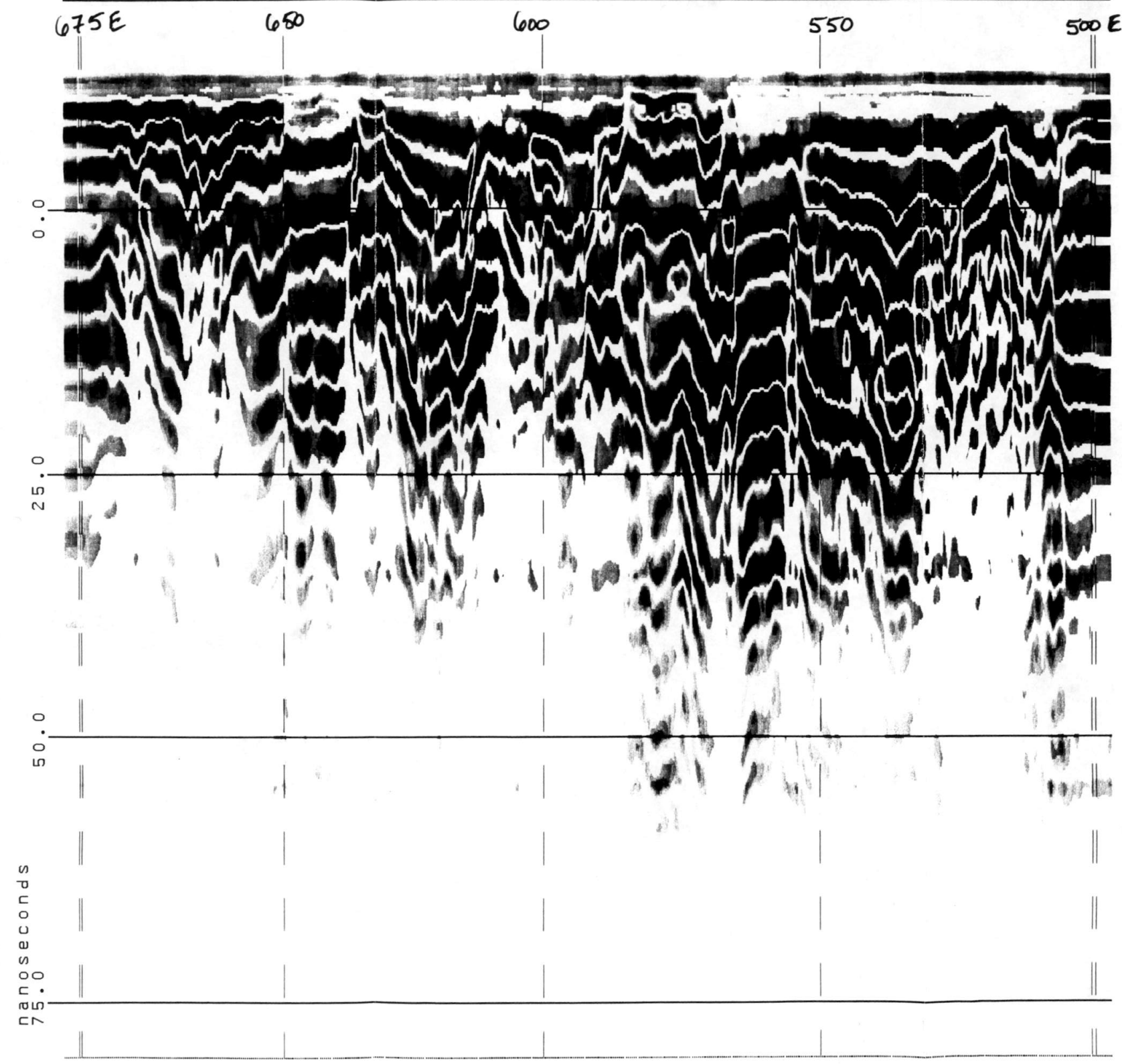
Ft. Monmouth NJ

Main Post Site M12NE

Line 0N, Marks at 50' intervals

Start: 675E End: 500E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 21 FILE21 Created December 12, 1994 16:45:08

512 samples/scan 25.004 scans/sec  
Position: 0 nS range: 100 nS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 26 36 39

Vert. IIR low pass N=2 F=50  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

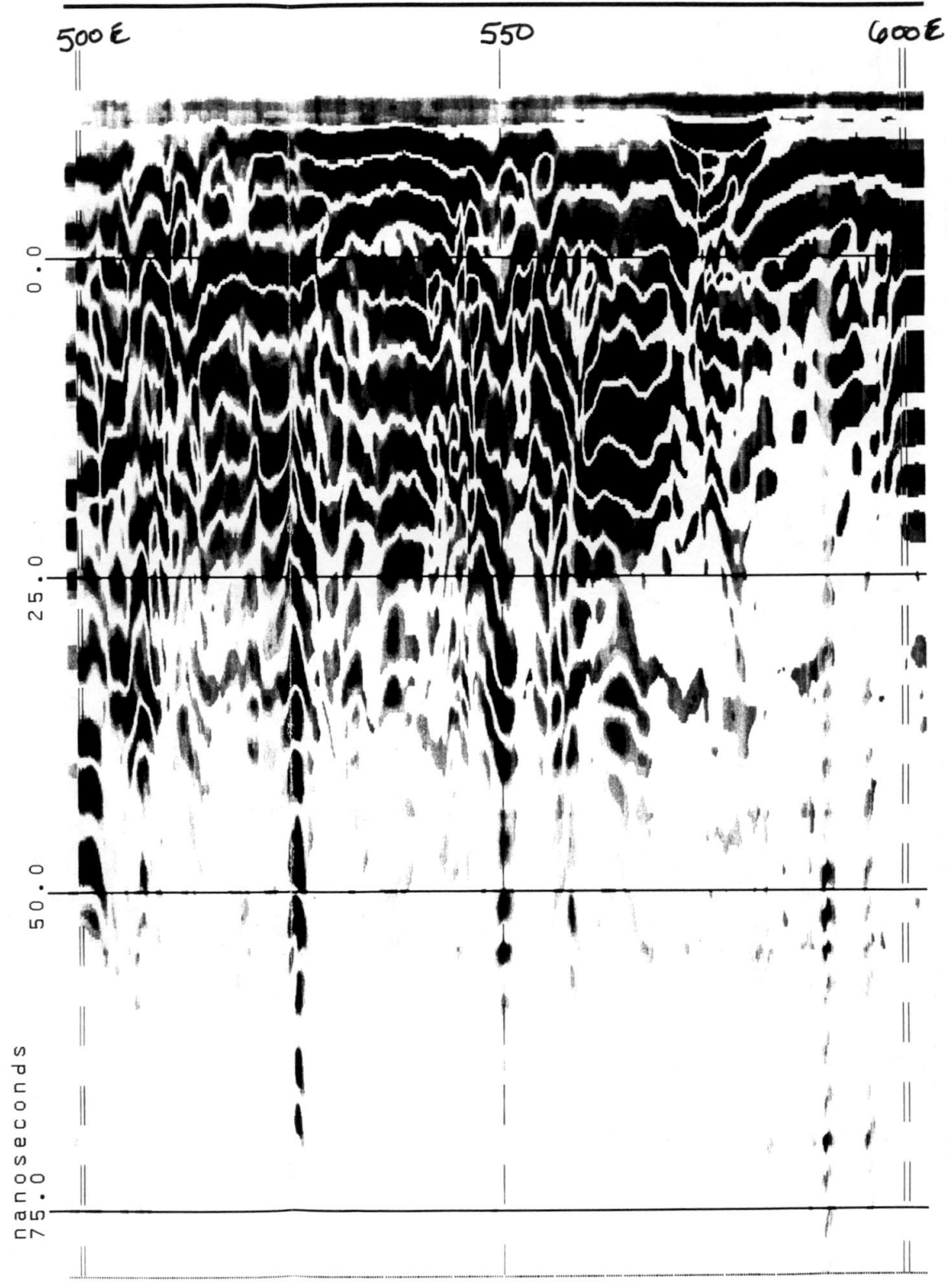
Ft. Monmouth NJ

Main Post Site M12NE

Line 20N, Marks at 50' intervals

Start: 500E End: 600E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





**SITE M-12 SW**

**GROUND PENETRATING RADAR PROFILES**

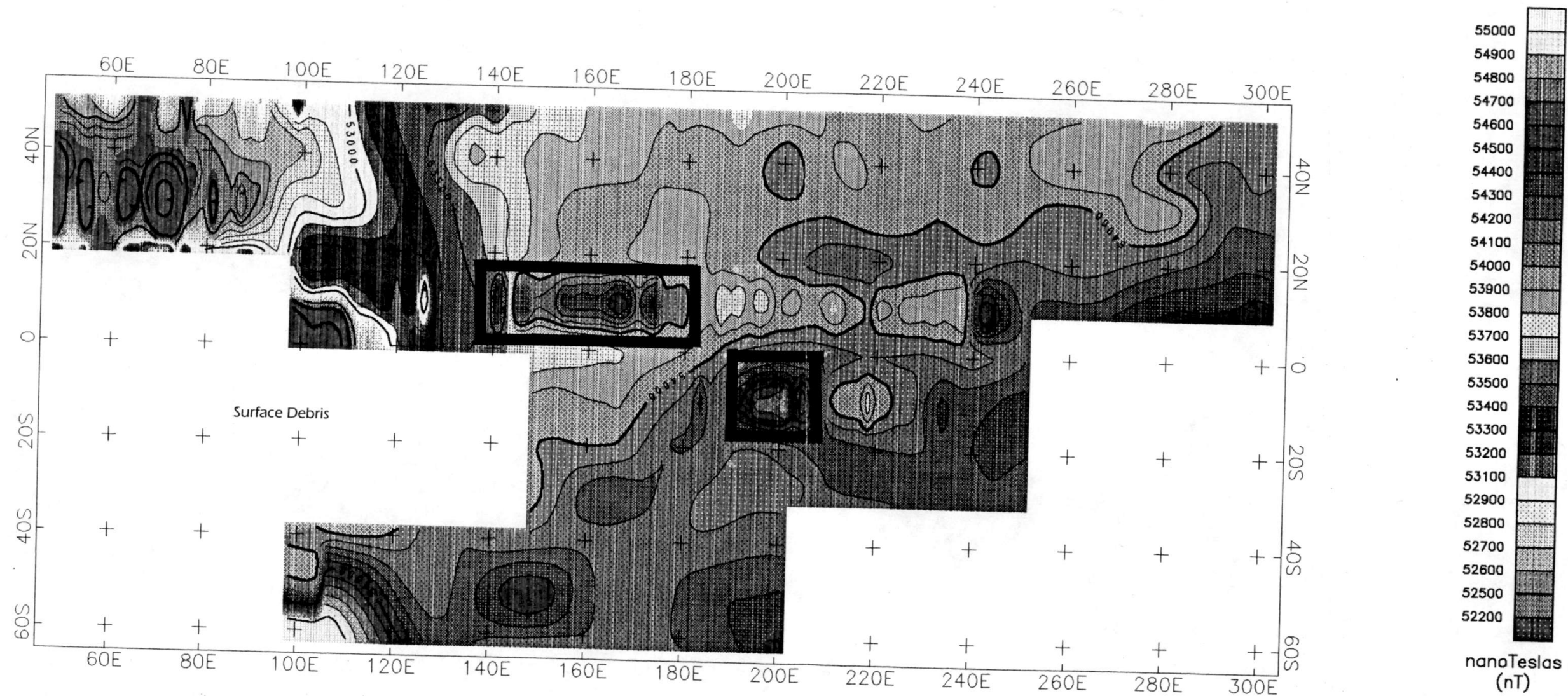
Note: GPR grid coordinates are referenced to the magnetometer survey grid coordinates as depicted on Figures 4.2-18 and 4.2-19 of the WESTON Final Site Investigation Report, December 1995.



**TABLE F-3**

**GEOPHYSICAL SURVEY GRID LOCATIONS WITH  
CORRESPONDING SURVEY DATA  
SITE M-12 (SOUTHWEST)  
FORT MONMOUTH, NJ**

| STATION     | SURVEY DATA |             |
|-------------|-------------|-------------|
|             | NORTHING    | EASTING     |
| 0N, 0E      | 539335.044  | 2174671.773 |
| 100N, 0E    | 539429.305  | 2174638.456 |
| 0N, 100E    | 539368.361  | 2174766.034 |
| 50N, 100E   | 539415.503  | 2174749.372 |
| 0N, 109.66E | 539371.563  | 2174775.094 |
| 0N, 200E    | 539401.678  | 2174860.296 |
| 50N, 200E   | 539448.809  | 2174843.637 |
| 0N, 275E    | 539426.666  | 2174930.992 |

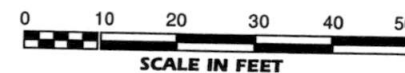


95P-3237 6/27/95

LEGEND



Possible Fill Area Boundary



Fort Monmouth, Main Post Site M-12 SW

**FIGURE 4.2-18**  
**MAGNETOMETER SURVEY**  
**TOTAL MAGNETIC FIELD - SITE M-12 SW**

File 1 FILE1 Created December 9, 1994 10:45:28

512 samples/scan 25.004 scans/sec  
Position: -6 nS range: 75 nS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 8 14 37 56 62

Vert. IIR low pass N=2 F=38  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

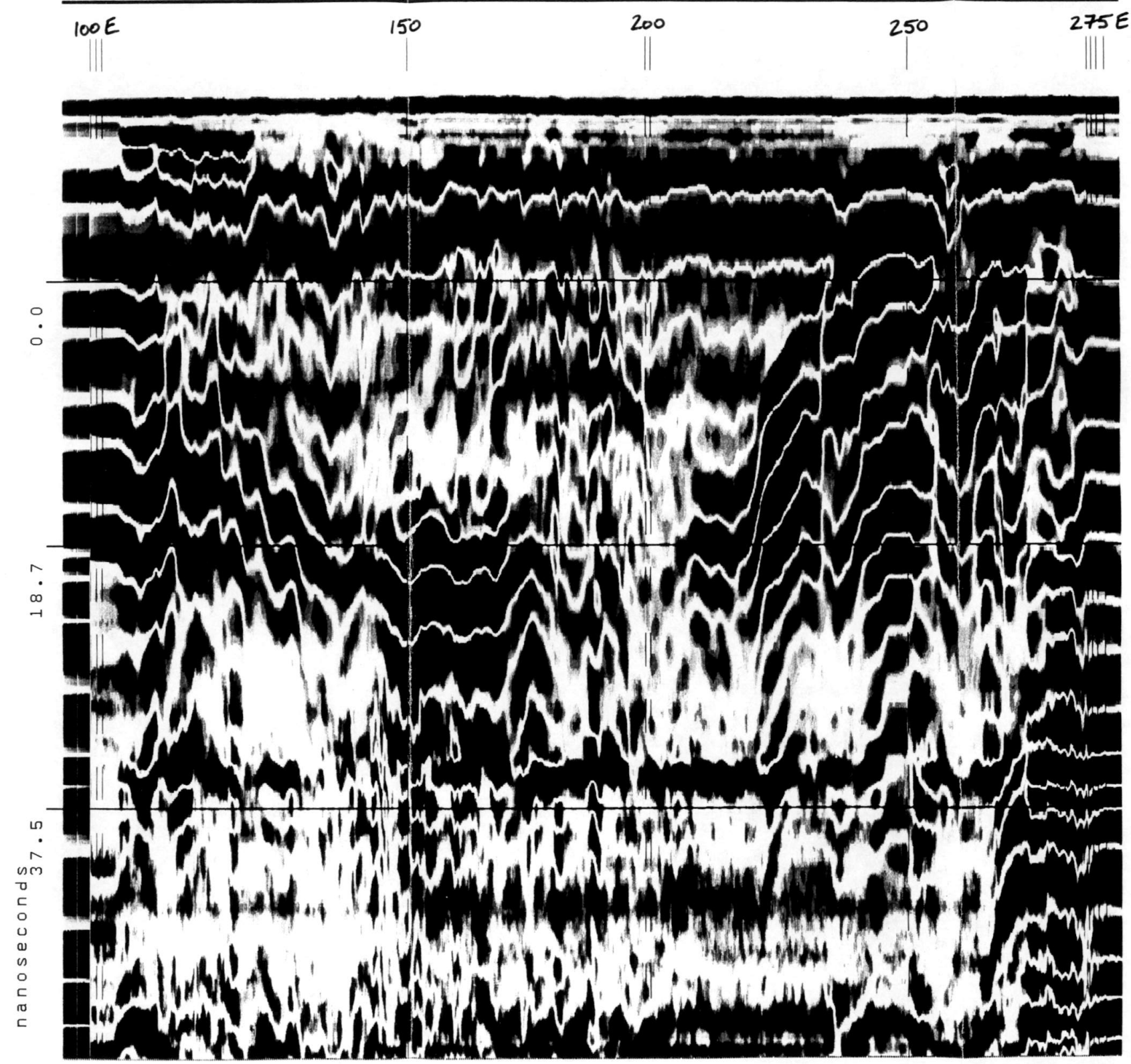
Ft. Monmouth NJ

Main Post Site M12SW

Line ON, Marks at 50' intervals

Start: 100E End: 275E calib.

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 2 FILE2 Created December 9, 1994 10:57:16

512 samples/scan 25.004 scans/sec  
position: 0 ns range: 75 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 8 14 37 56 62

Vert. IIR low pass N=2 F=38

Vert. IIR high pass N=2 F=8

Horiz. IIR stacking TC=4

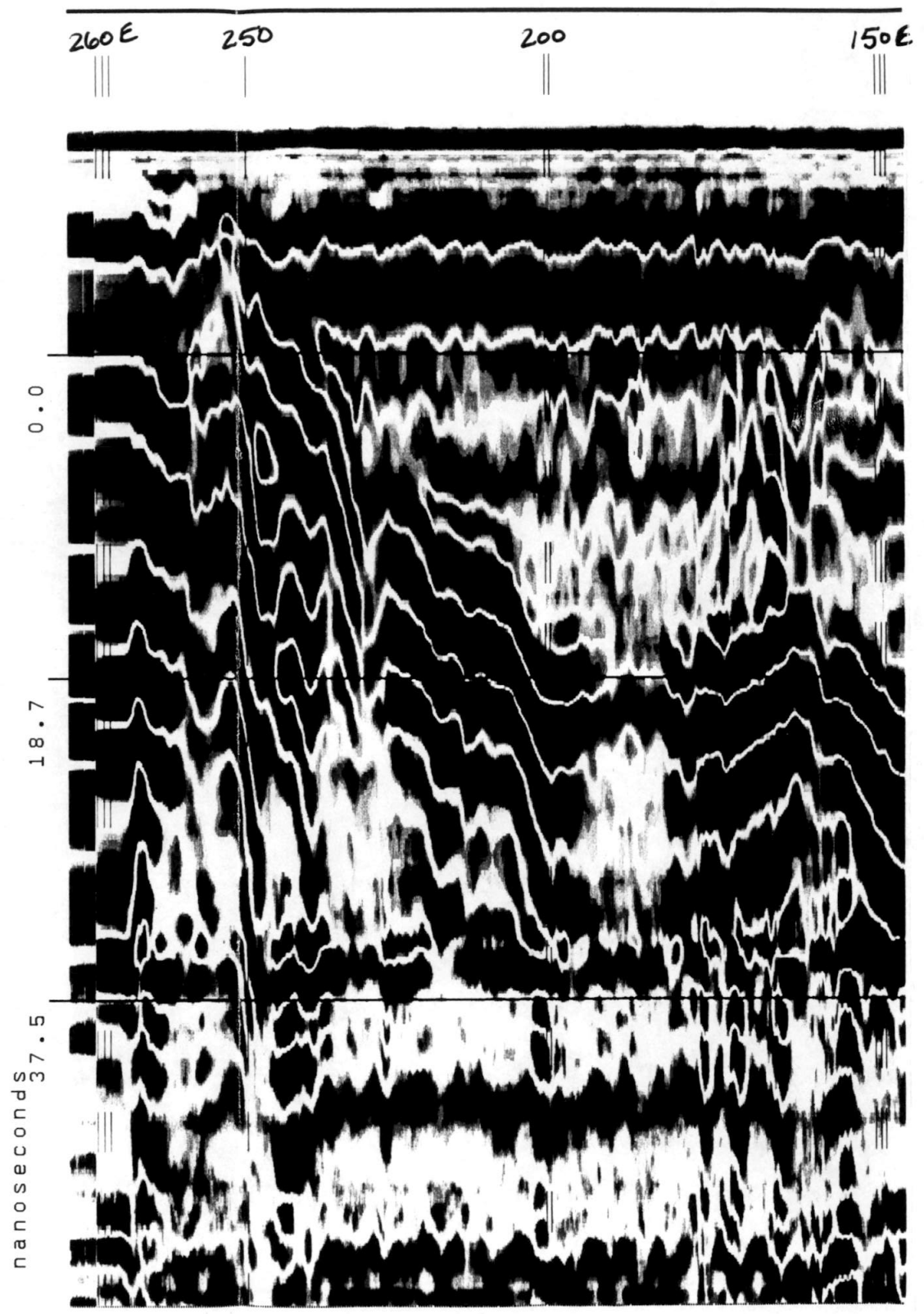
Ft. Monmouth NJ

Main Post Site M12SW

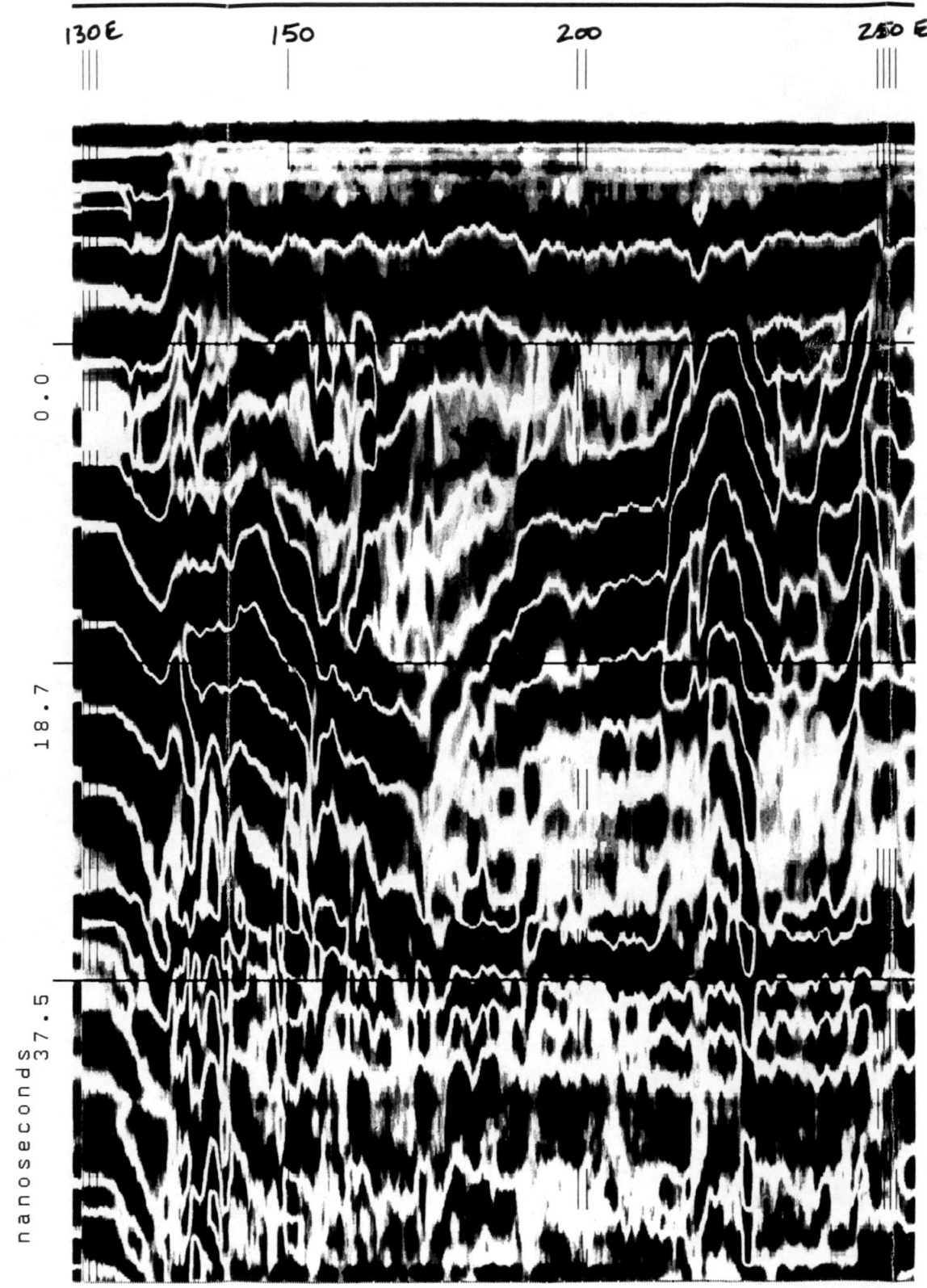
Line 10S, Marks at 50' intervals

Start: 260E End: 150E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 3 FILE3 Created December 9, 1994 11:02:54  
 512 samples/scan 25.004 scans/sec  
 Position: 0 NS range: 75 NS 8 Bits  
 Dielectric Constant: 0 Antenna: 3102  
 Range Gain 8 14 37 56 62  
 Vert. IIR low pass N=2 F=38  
 Vert. IIR high pass N=2 F=8  
 Horiz. IIR stacking TC=4  
 Ft. Monmouth NJ  
 Main Post Site M12SW  
 Line 20S, Marks at 50' intervals  
 Start: 130E End: 250E  
 Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 4 FILE4 Created December 9, 1994 11:09:08

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 8 14 37 56 62

Vert. IIR low pass N=2 F=38  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

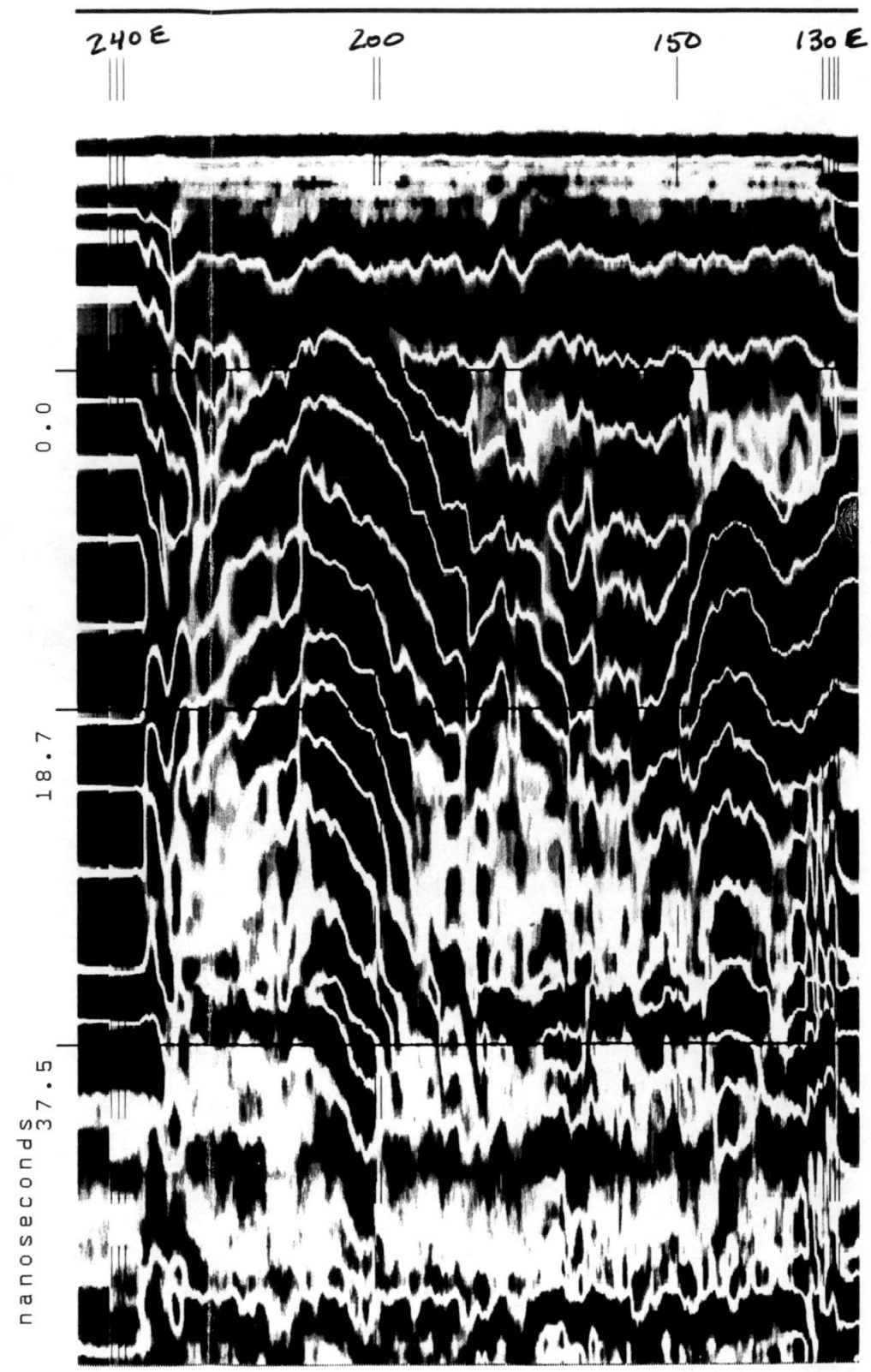
Ft. Monmouth NJ

Main Post Site M12SW

Line 30S, Marks at 50' intervals

Start: 240E End: 130E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 5 FILE5 Created December 9, 1994 11:16:36

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 8 14 37 56 62

Vert. IIR low Pass N=2 F=38  
Vert. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

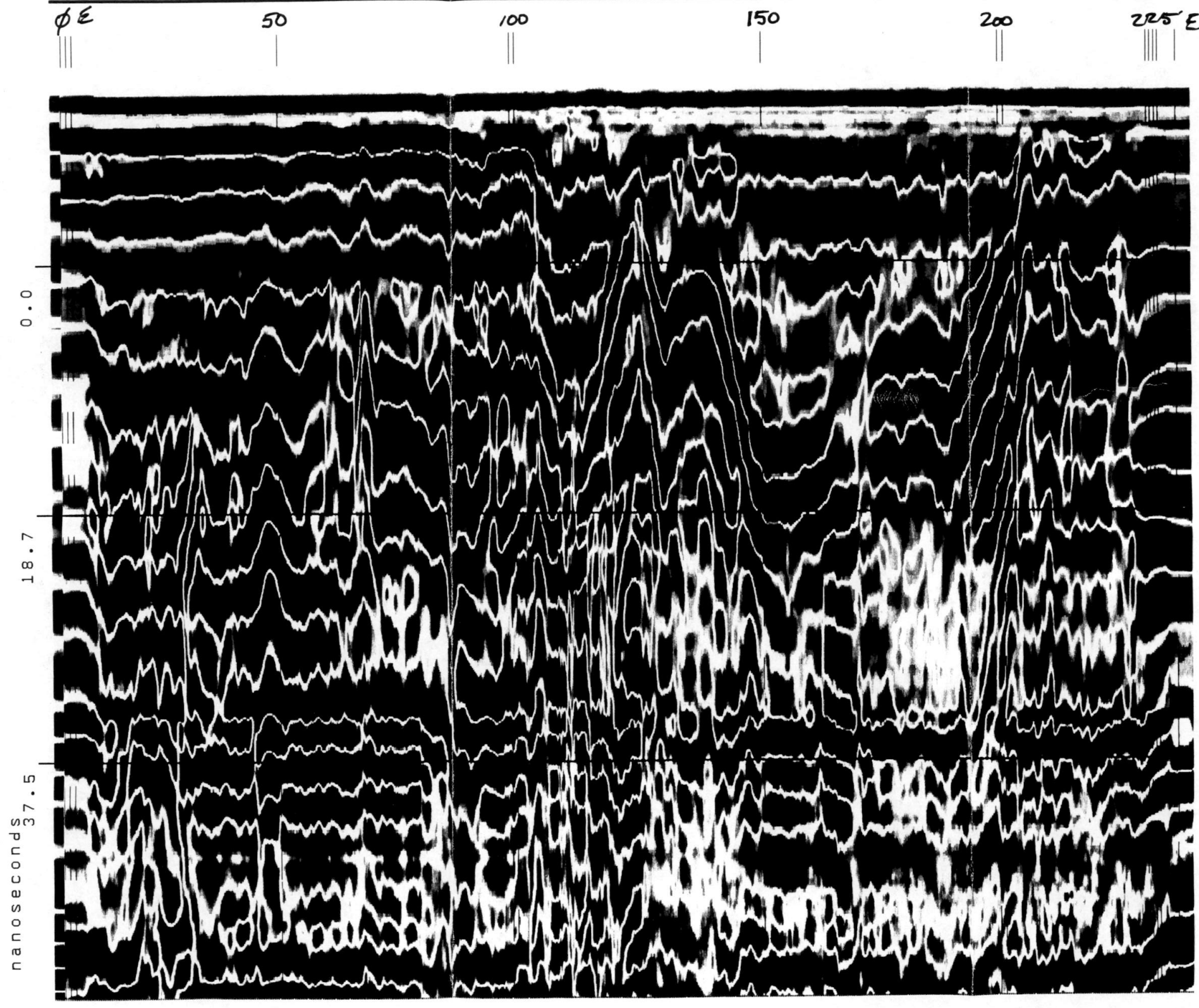
Ft. Monmouth NJ

Main Post Site M12SW

Line 40S, Marks at 50' intervals

Start: 0E End: ~~175E~~ 225E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 6 FILE6 Created December 9, 1994 11:29:10

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 5 5 22 46 52

Vert. IIR low Pass N=2 F=38  
Vert. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

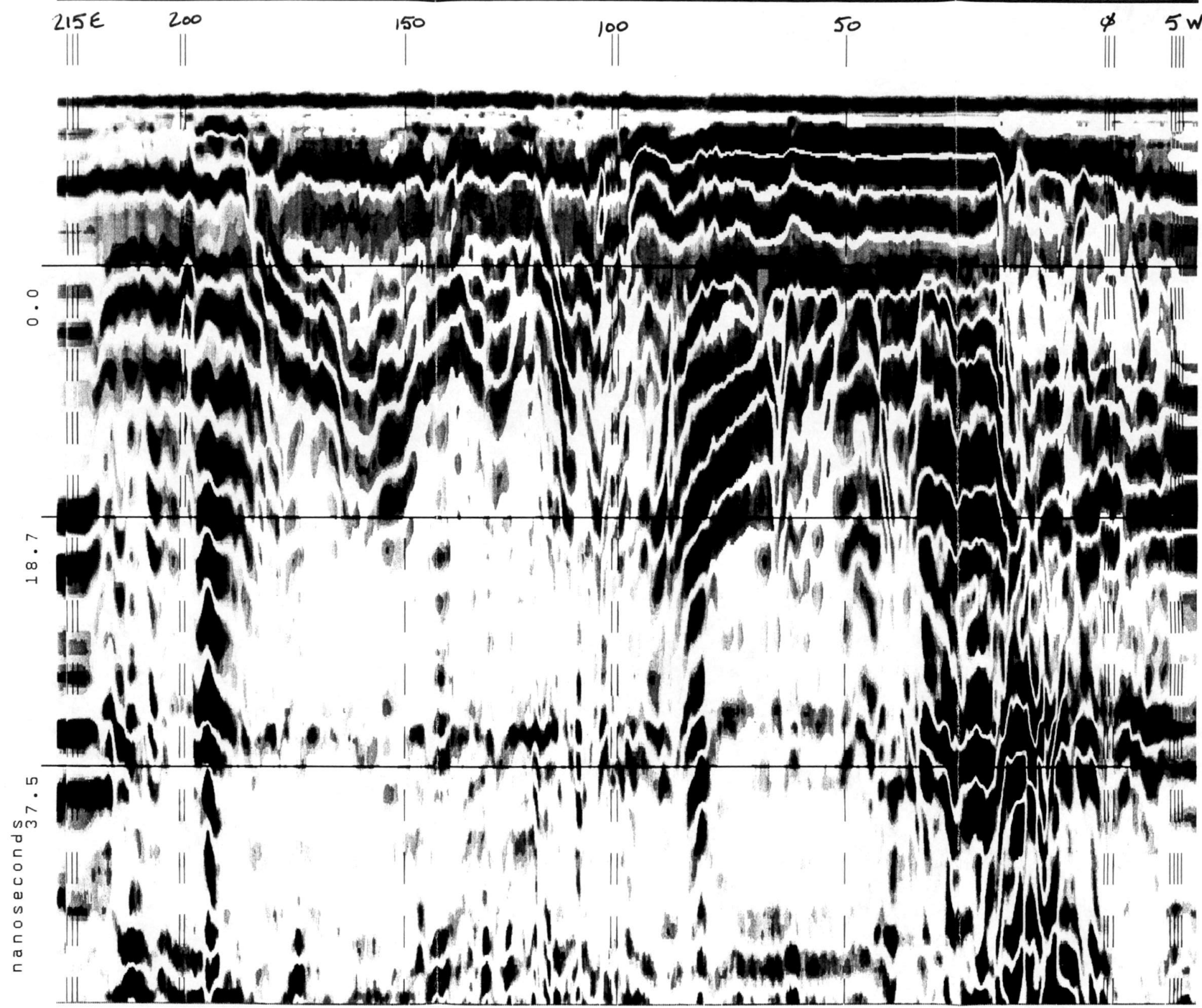
Ft. Monmouth NJ

Main Post Site M12SW

Line 50S, Marks at 50' intervals

Start: 215E End: ~~2E~~ 5W

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 7 FILE7 Created December 9, 1994 11:37:44

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 5 5 22 46 52

Vert. IIR low pass N=2 F=38  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

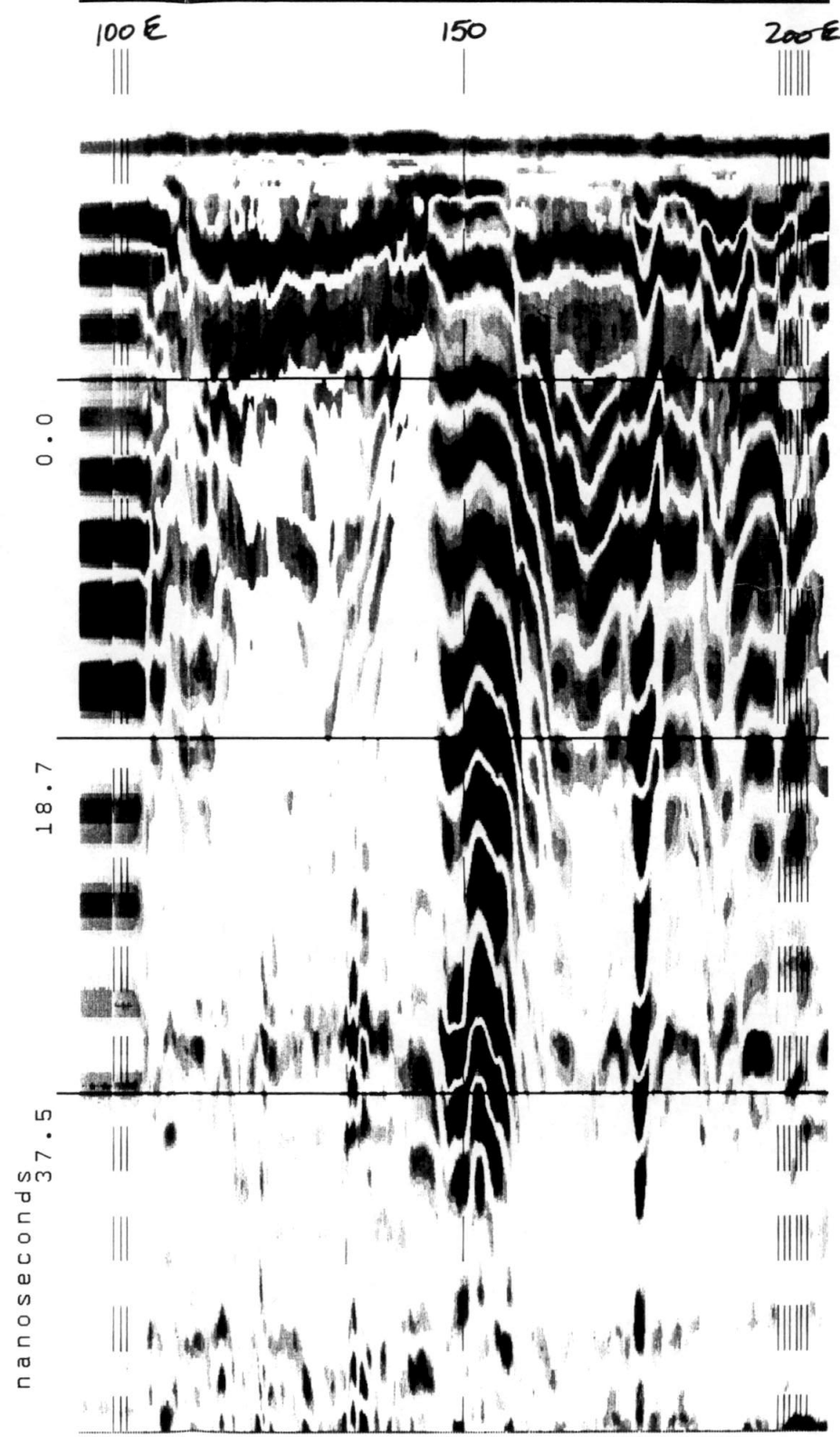
Ft. Monmouth NJ

Main Post Site M12SW

Line 60S, Marks at 50' intervals

Start: 100E End: 200E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 8 FILE8 Created December 9, 1994 11:42:36

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 5 5 22 46 52

Vert. IIR low pass N=2 F=38  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

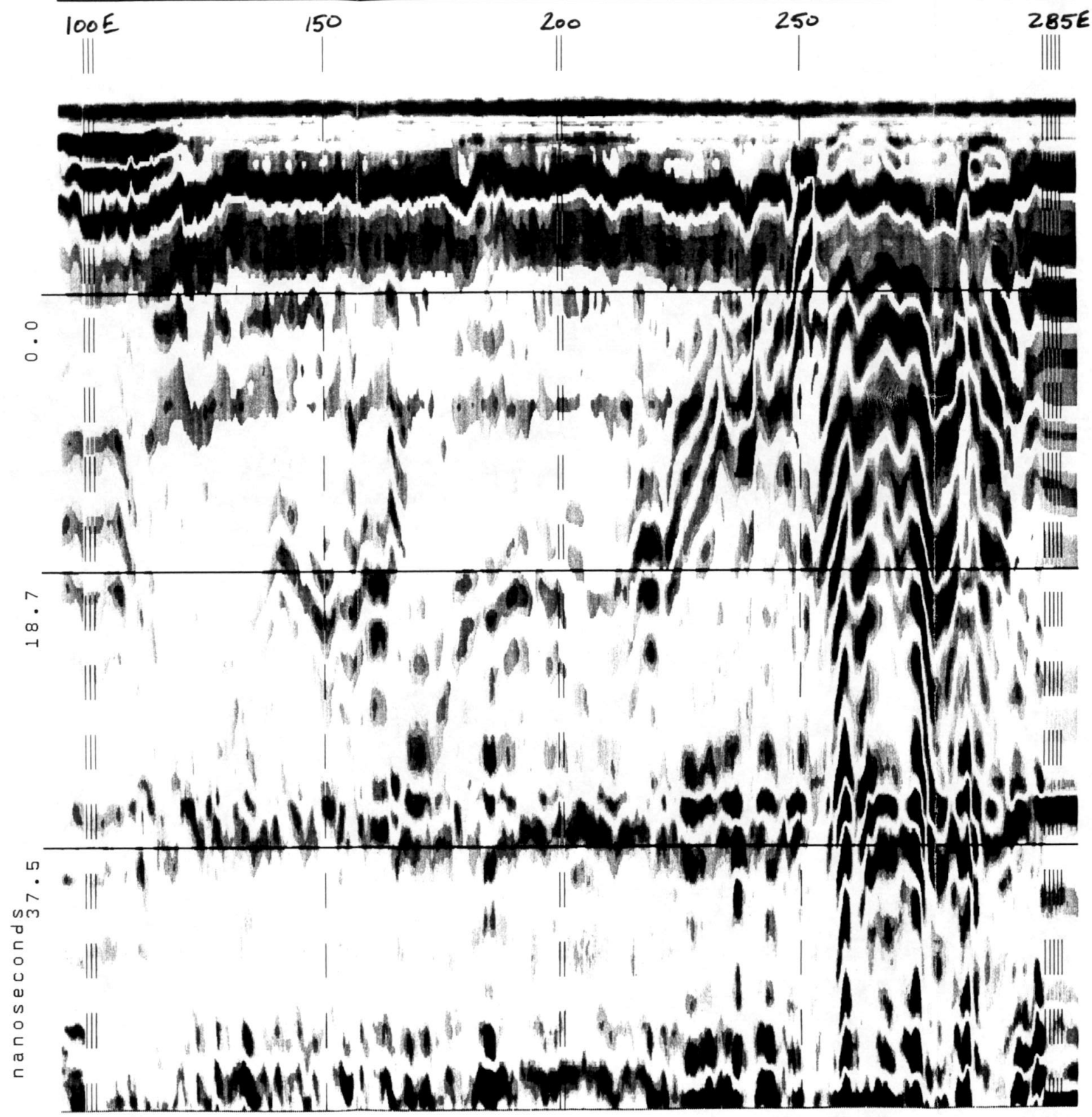
Ft. Monmouth NJ

Main Post Site M12SW

Line 10N, Marks at 50' intervals

Start: 100E End: 285E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 9 FILE9 Created December 9, 1994 11:49:28

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 7 11 27 48 52

Vert. IIR low Pass N=2 F=38  
Vert. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

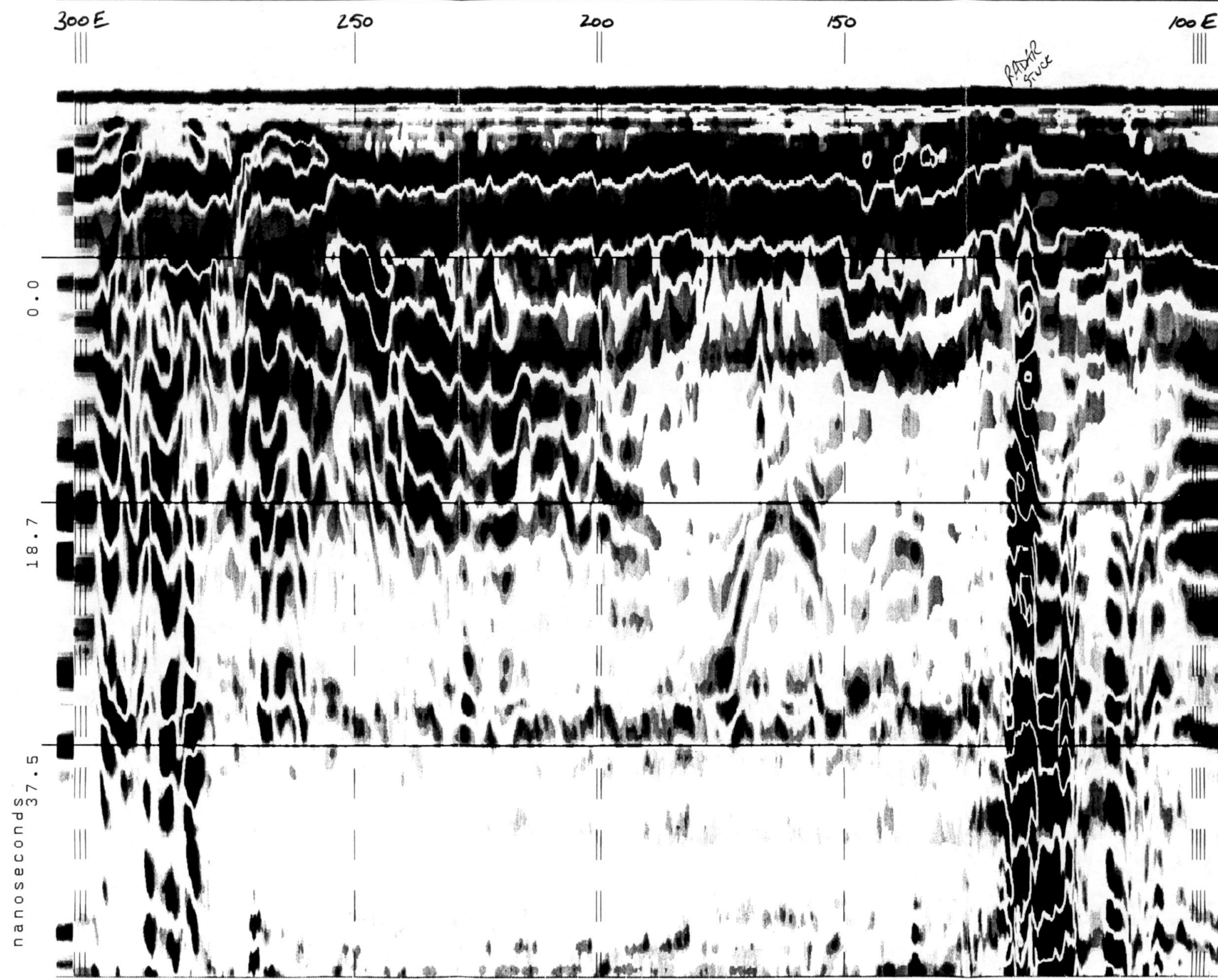
Ft. Monmouth NJ

Main Post Site M12SW

Line 20N, Marks at 50' intervals

Start: 300E End: 100E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 10 FILE10 Created December 9, 1994 11:53:50

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 7 11 27 48 52

Vert: IIR low pass N=2 F=38  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

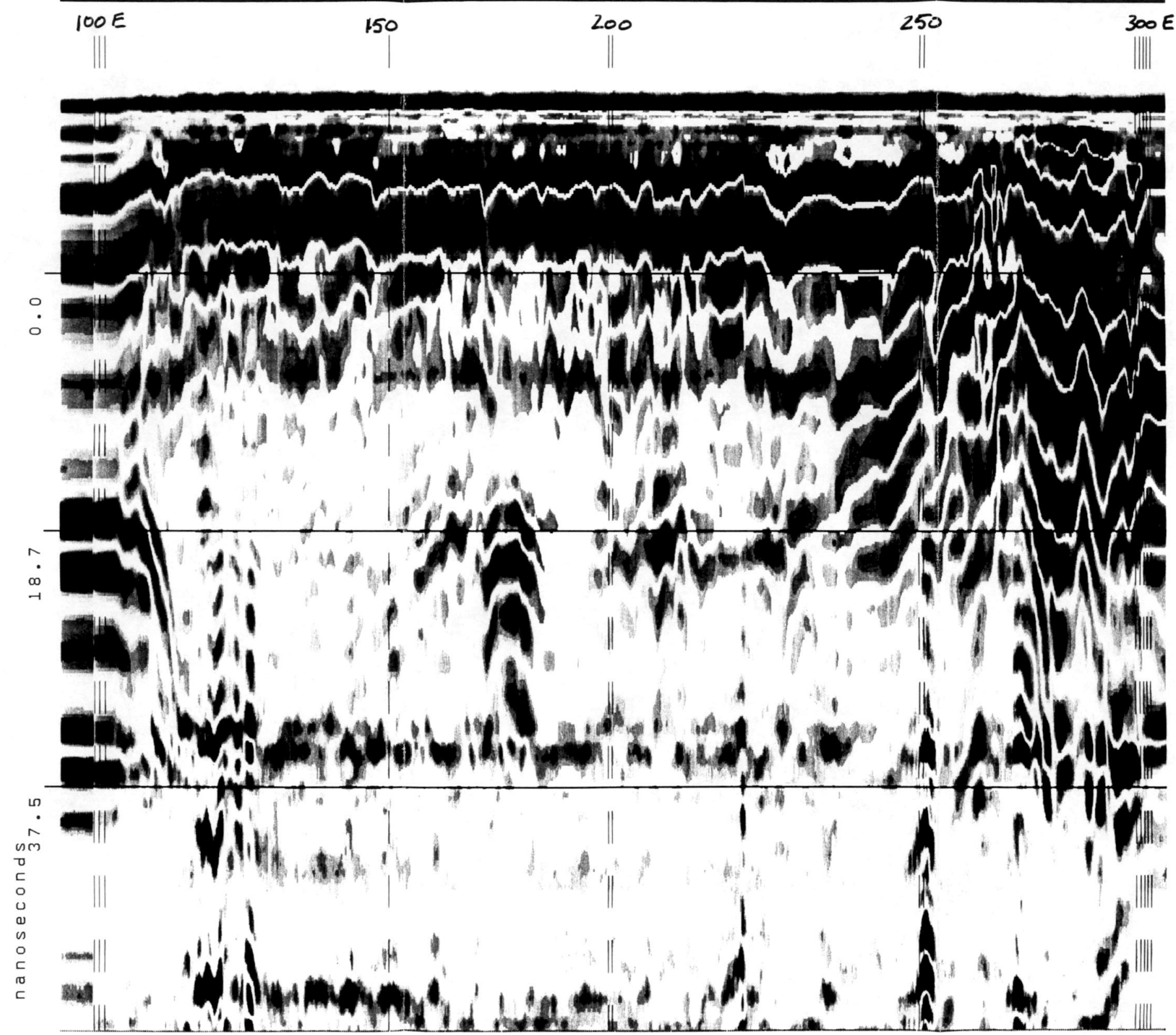
Ft. Monmouth NJ

Main Post Site M12SW

Line 30N, Marks at 50' intervals

Start: 100E End: 300E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 11 FILE11 Created December 9, 1994 12:05:00

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 7 11 27 48 52

Vert: IIR low Pass N=2 F=38  
Vert: IIR high Pass N=2 F=8  
Horiz: IIR stacking TC=4

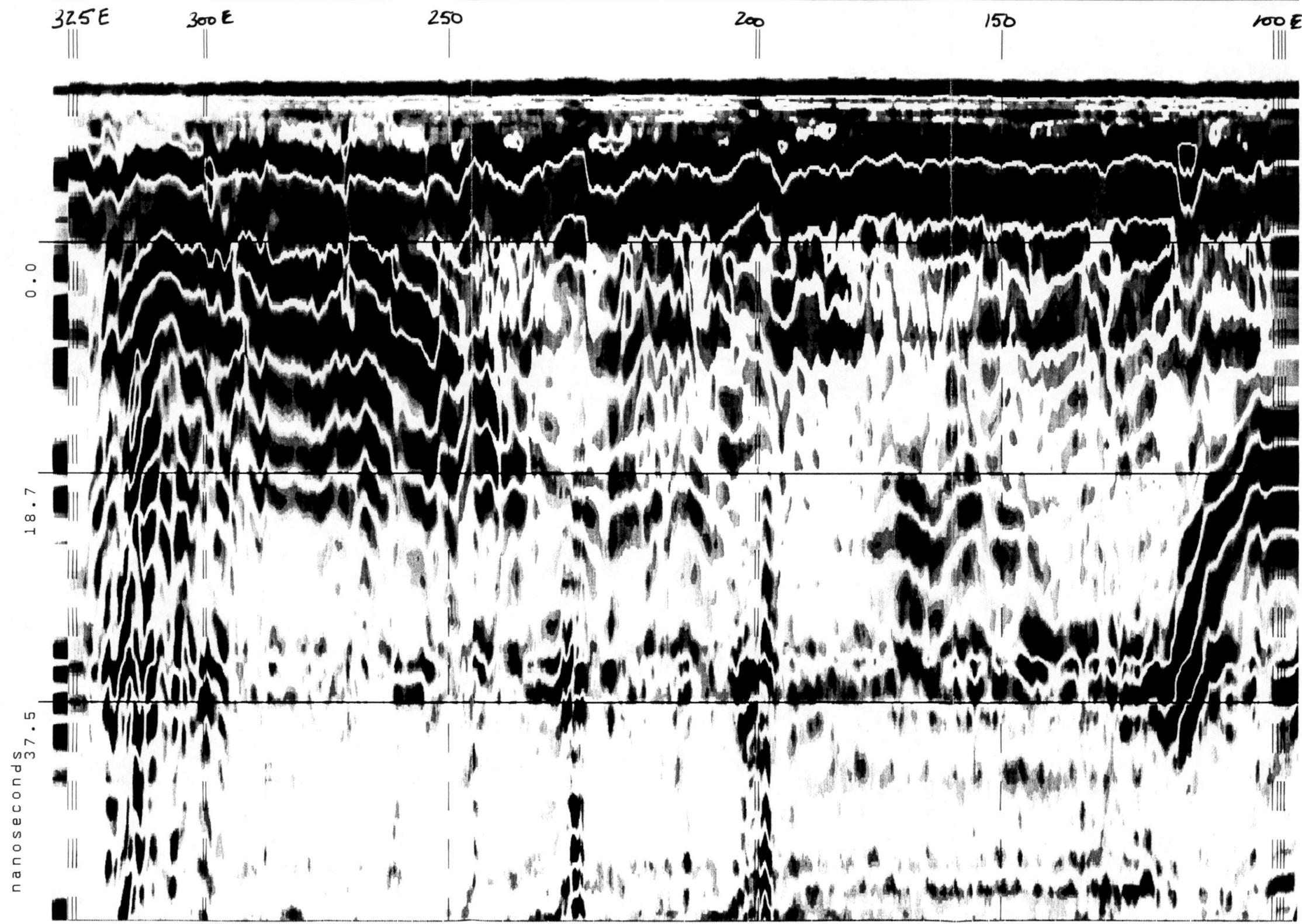
Ft. Monmouth NJ

Main Post Site M12SW

Line 40N, Marks at 50' intervals

Start: 325E End: 100E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 12 FILE12 Created December 9, 1994 12:17:50

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 7 11 27 48 52

Vert. IIR low Pass N=2 F=38  
Vert. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

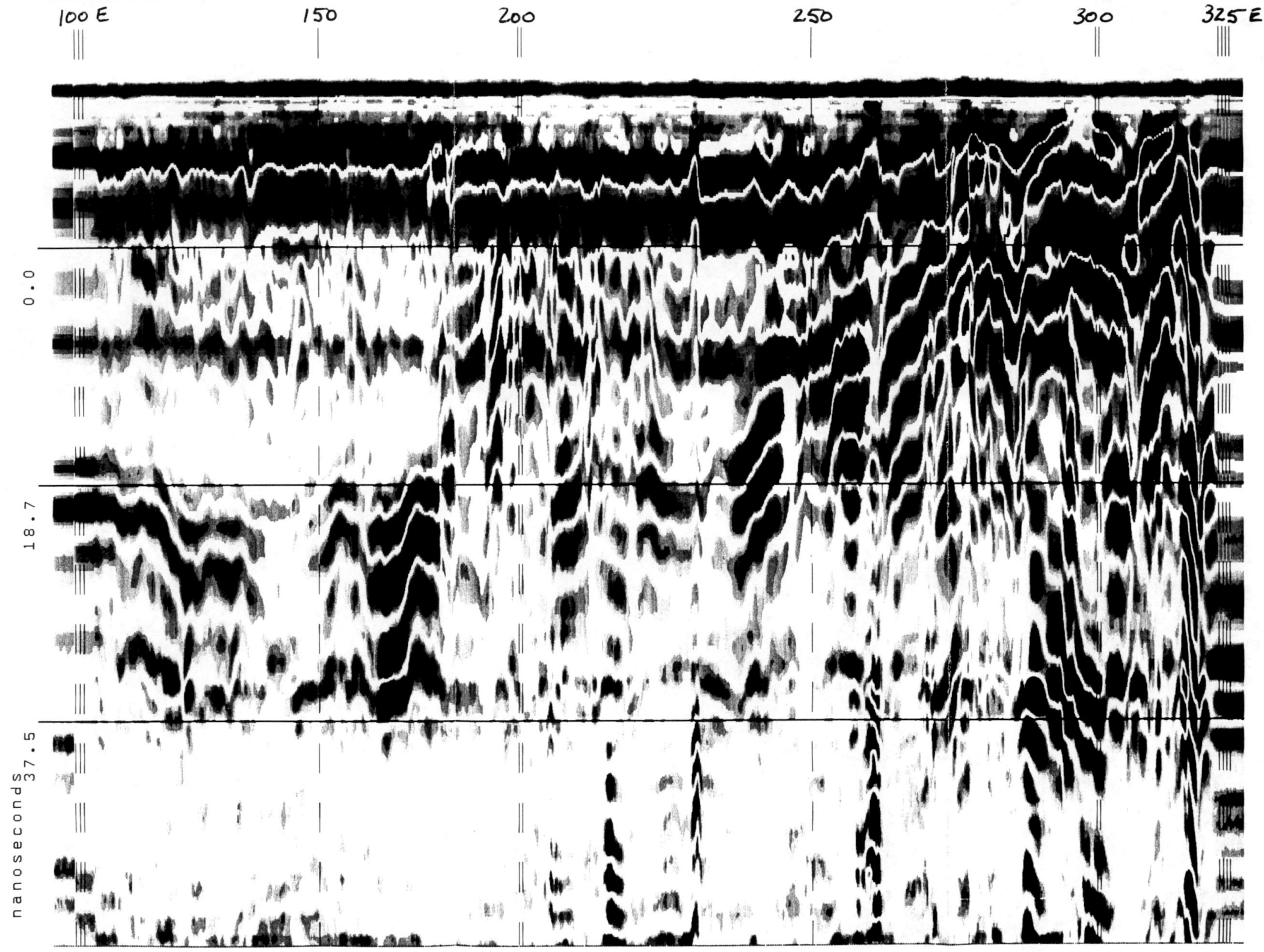
Ft. Monmouth NJ

Main Post Site M12SW

Line 50N, Marks at 50' intervals

Start: 100E End: ~~310E~~ 325E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 13 FILE13 Created December 9, 1994 12:23:40

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 7 11 27 48 52

Vert. IIR low pass N=2 F=38  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

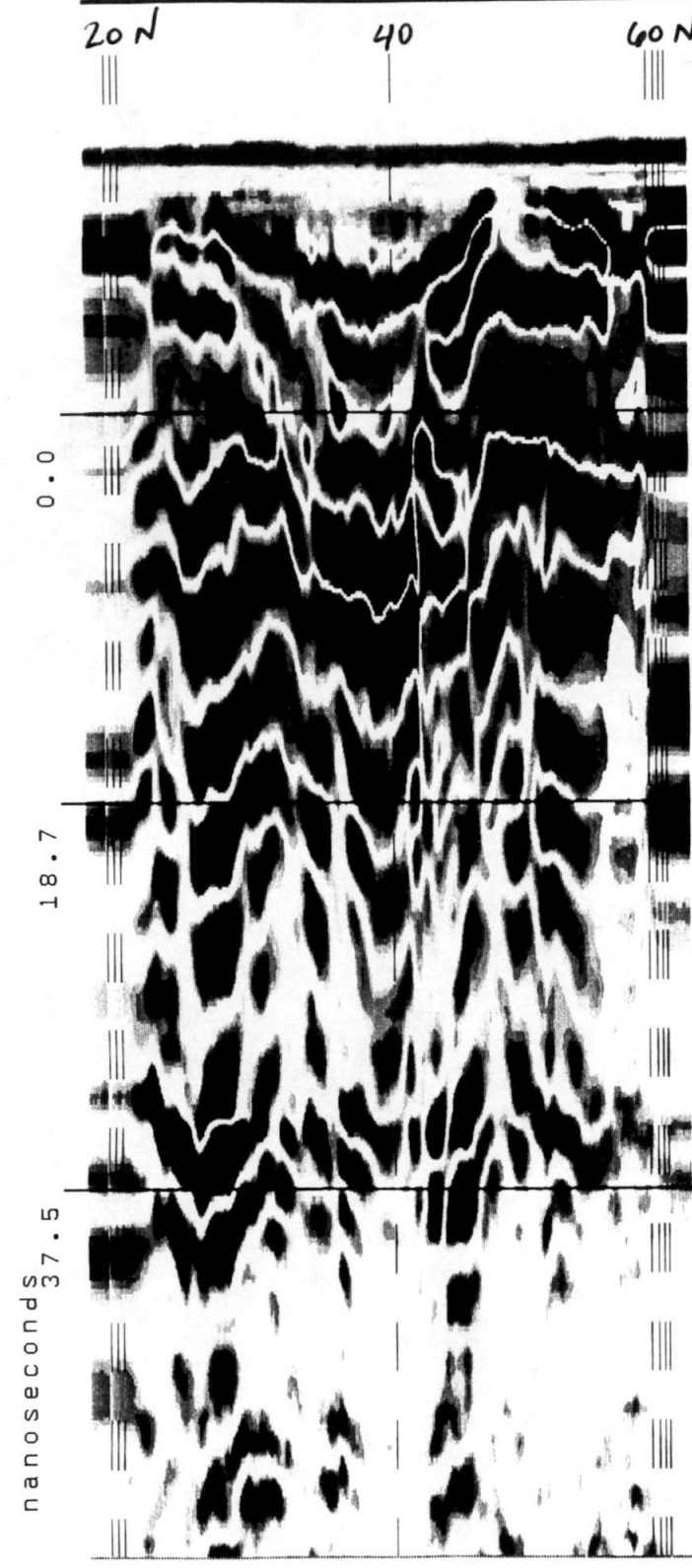
Ft. Monmouth NJ

Main Post Site M12SW

Line 300E, Marks at 20' intervals

Start: 20N End: 60N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 14 FILE14 Created December 9, 1994 12:29:50

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 7 11 27 48 52

Vert: IIR low pass N=2 F=38  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

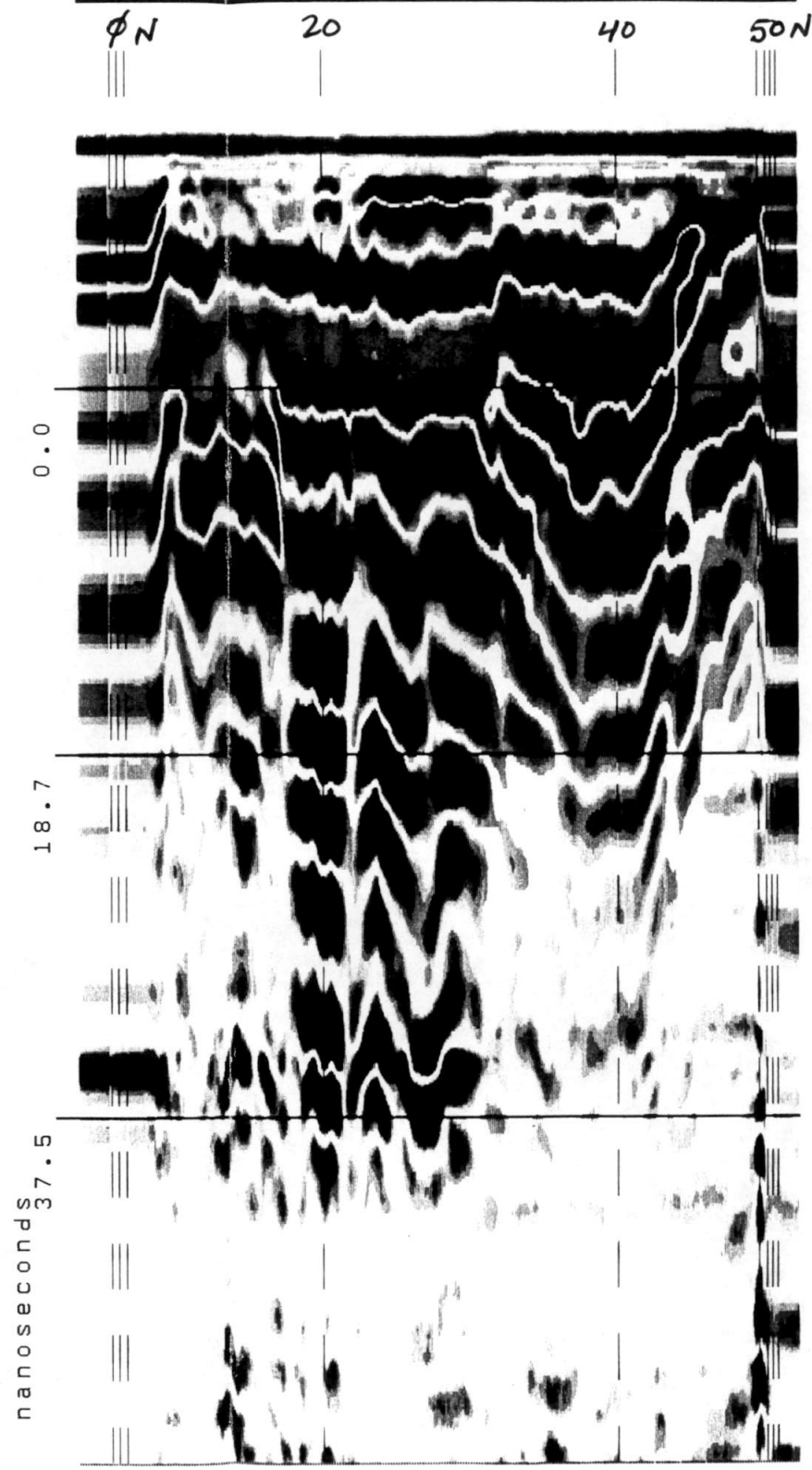
Ft. Monmouth NJ

Main Post Site M12SW

Line 280E, Marks at 20' intervals

Start: 0N End: 50N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 15 FILE15 Created December 9, 1994 12:36:36

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 7 11 27 48 52

Vert. IIR low pass N=2 F=38  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

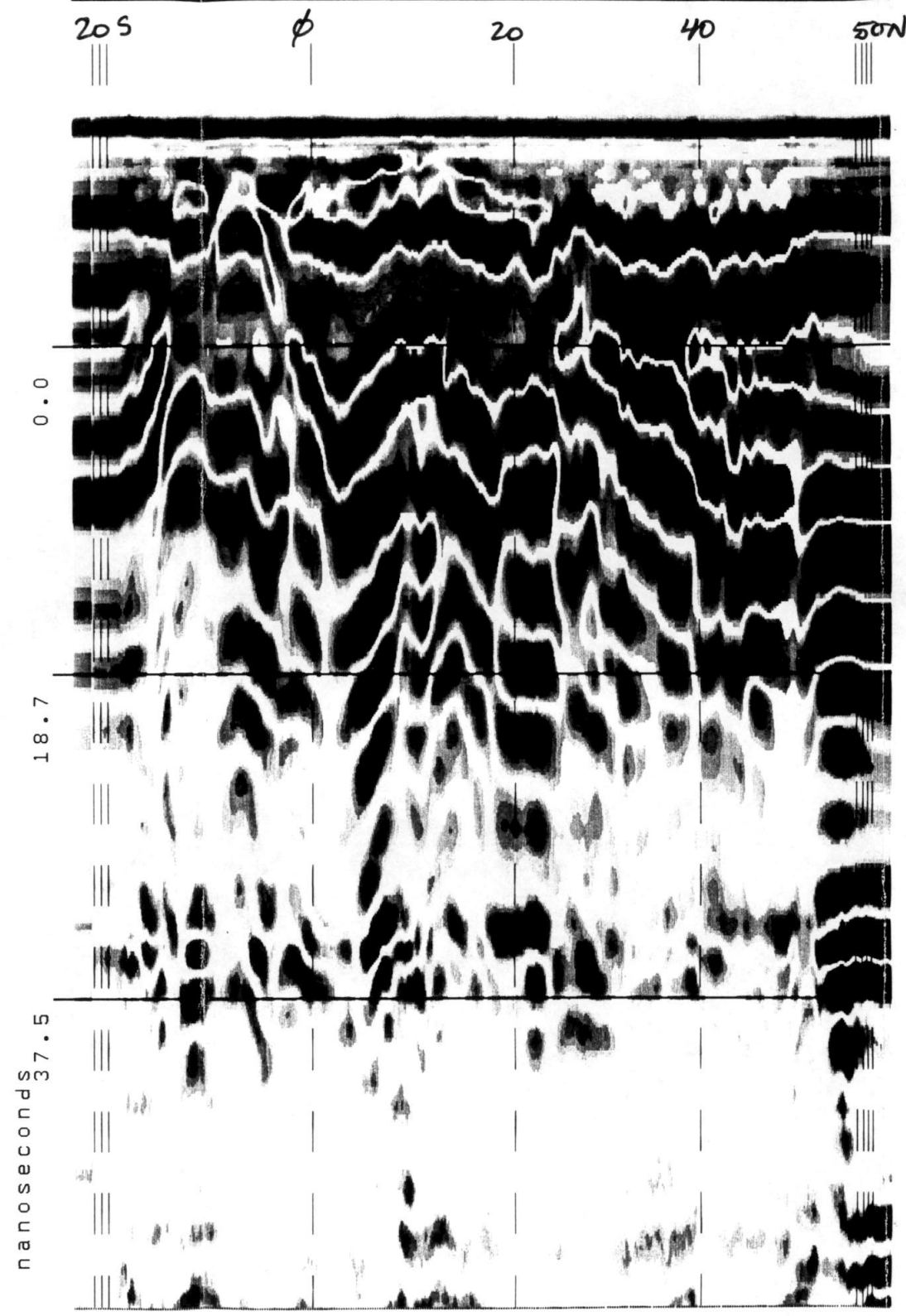
Ft. Monmouth NJ

Main Post Site M12SW

Line 260E, Marks at 20' intervals

Start: 20S End: 50N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 16 FILE16 Created December 9, 1994 12:39:48

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 7 11 27 48 52

Vert: IIR low pass N=2 F=38  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

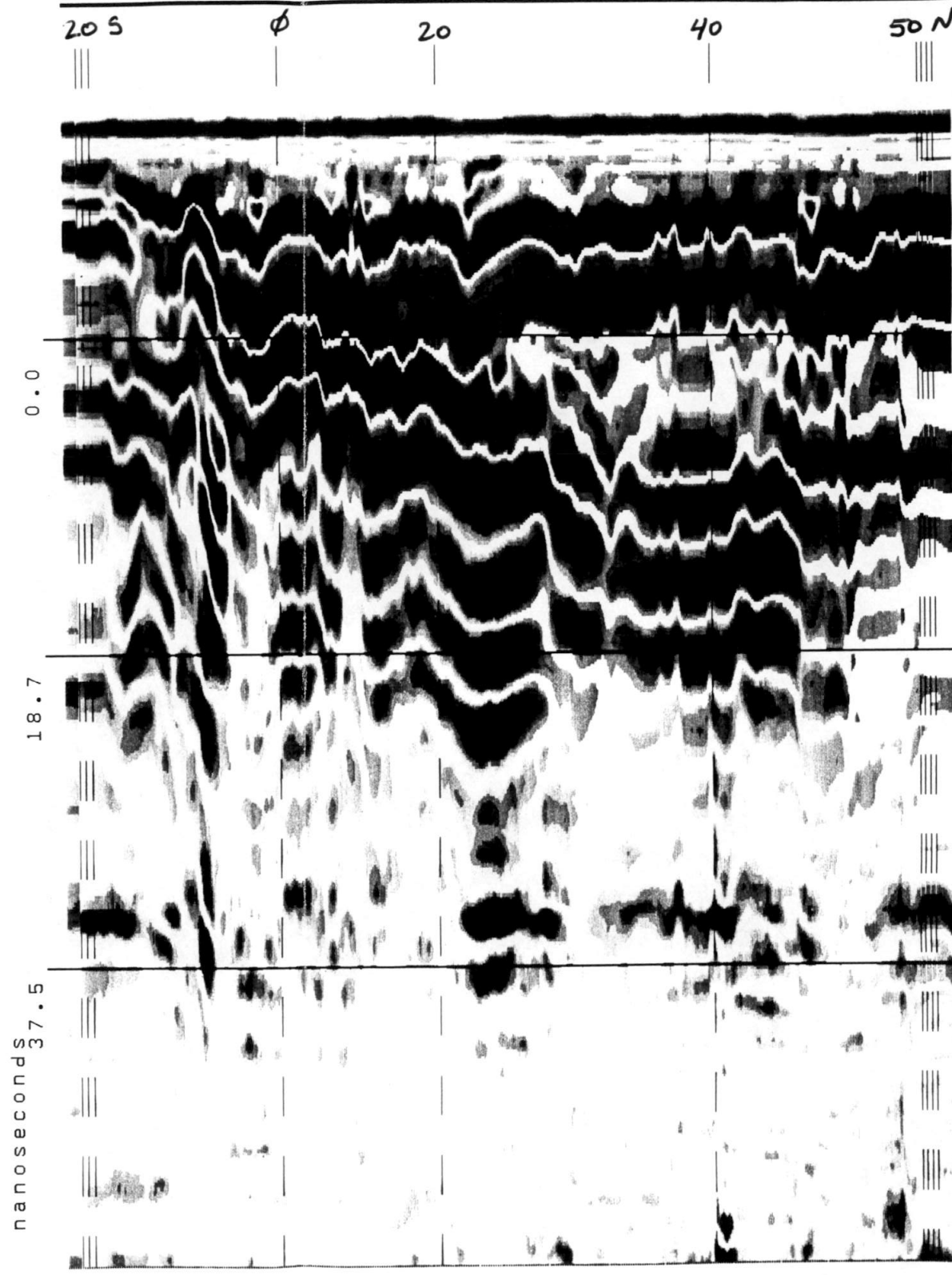
Ft. Monmouth NJ

Main Post Site M12SW

Line 250E, Marks at 20' intervals

Start: 20S End: 50N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 17 FILE17 Created December 9, 1994 12:47:20

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 7 11 27 48 52

Vert. IIR low Pass N=2 F=38  
Vert. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

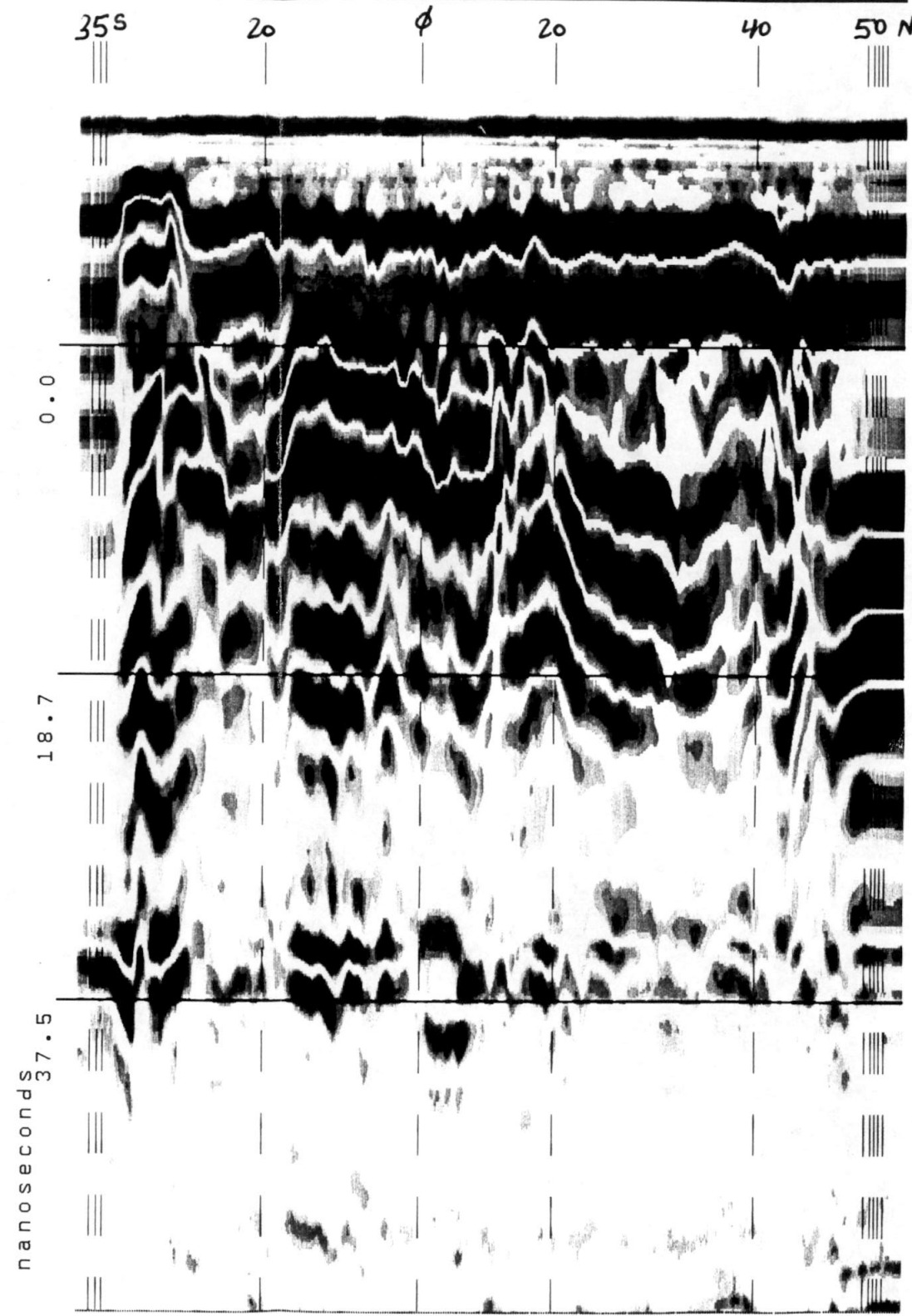
Ft. Monmouth NJ

Main Post Site M12Sw

Line 240E, Marks at 20' intervals

Start: 35S End: 50N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 18 FILE18 Created December 9, 1994 12:49:42

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 7 11 27 48 52

Vert: IIR low pass N=2 F=38  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

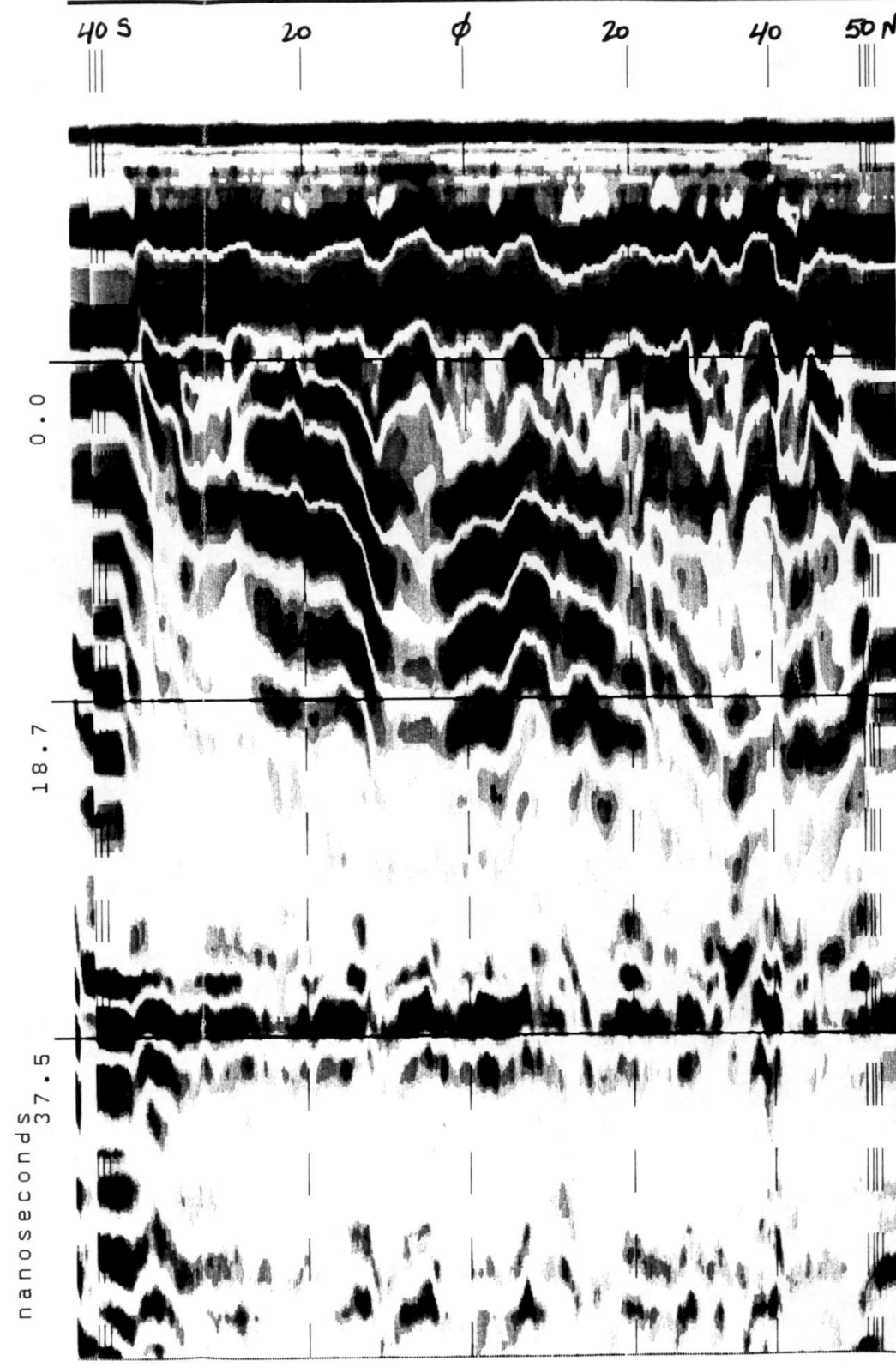
Ft. Monmouth NJ

Main Post Site M12SW

Line 225E, Marks at 20' intervals

Start: 40S End: 50N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 19 FILE19 Created December 9, 1994 12:55:30

512 samples/scan 25.004 scans/sec  
Position: 0 nS range: 75 nS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 7 11 27 48 52

Vert: IIR low Pass N=2 F=38  
Vert: IIR high Pass N=2 F=8  
Horiz: IIR stacking TC=4

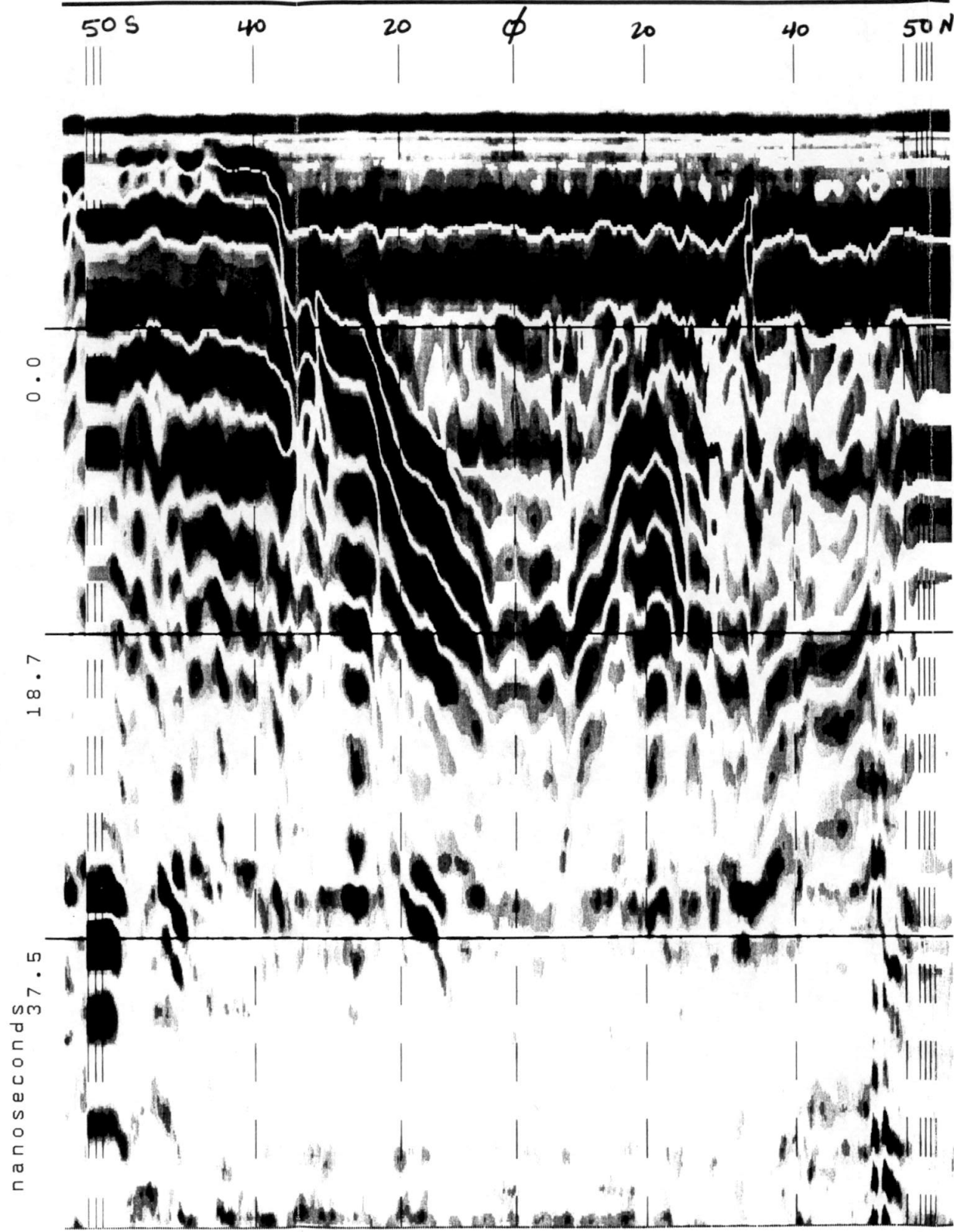
Ft. Monmouth NJ

Main Post Site M12SW

Line 215E, Marks at 20' intervals

Start: 50S End: 50N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 20 FILE20 Created December 9, 1994 13:00:30

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 7 11 27 48 52

Vert. IIR low pass N=2 F=38  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

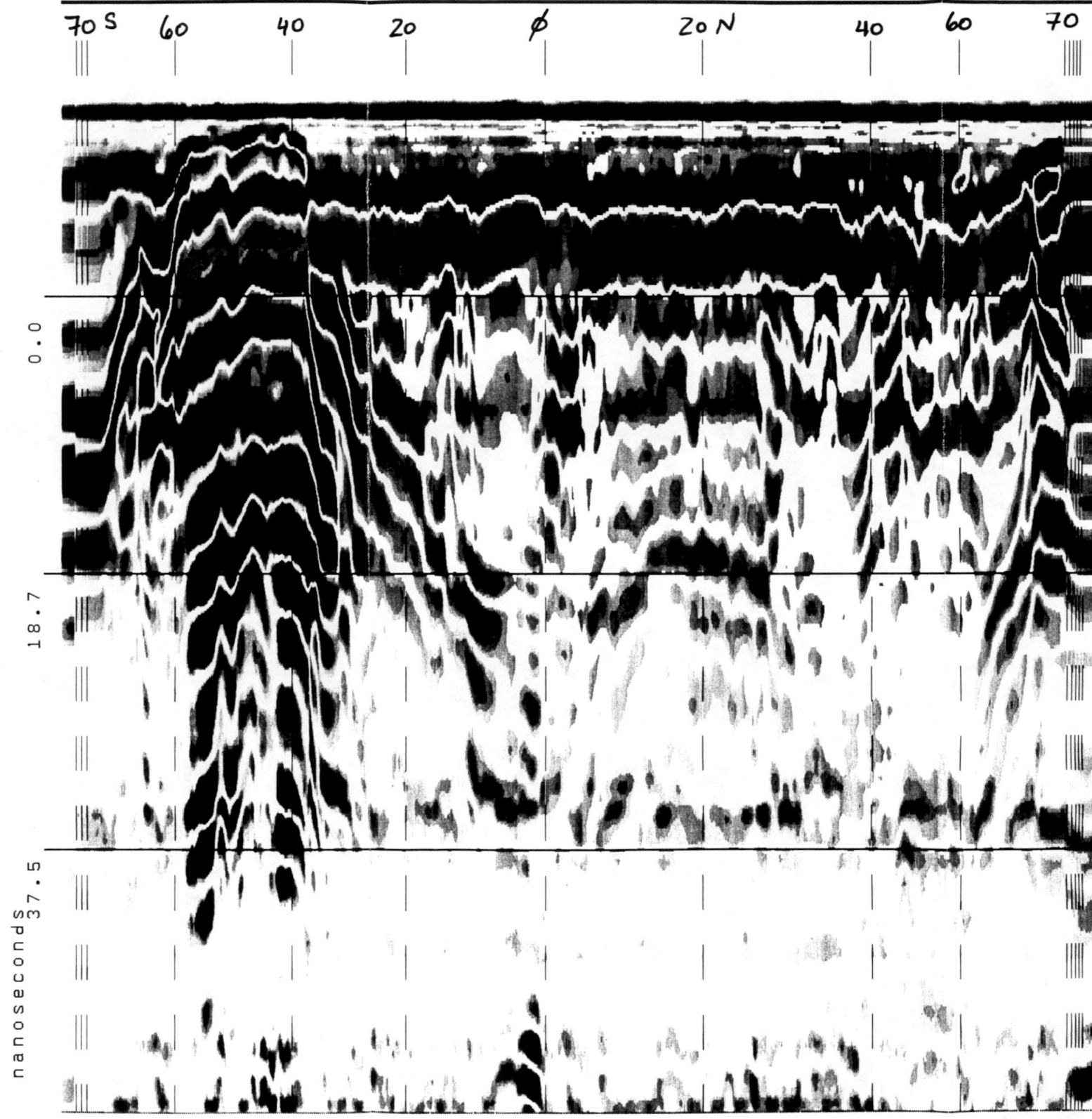
Ft. Monmouth NJ

Main Post Site M12SW

Line 200E, Marks at 20' intervals

Start: 70S End: ~~60N~~ 70N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 21 FILE21 Created December 9, 1994 13:05:08

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 7 11 27 48 52

Vert: IIR low pass N=2 F=38  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

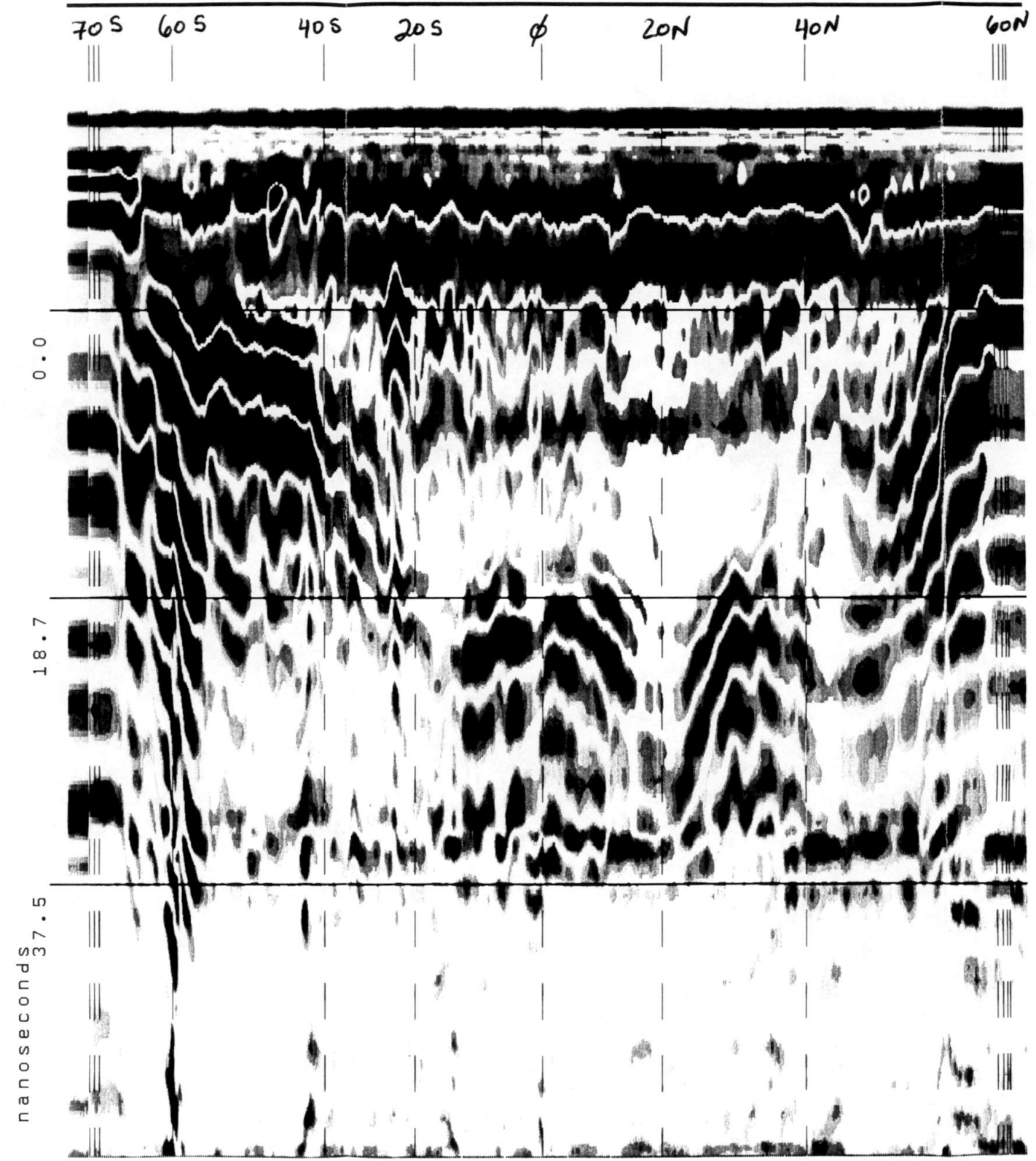
Ft. Monmouth NJ

Main Post Site M12SW

Line 180E, Marks at 20' intervals

Start: 70S End: 60N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 22 FILE22 Created December 9, 1994 13:10:20

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 7 11 27 48 52

Vert. IIR low pass N=2 F=38  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

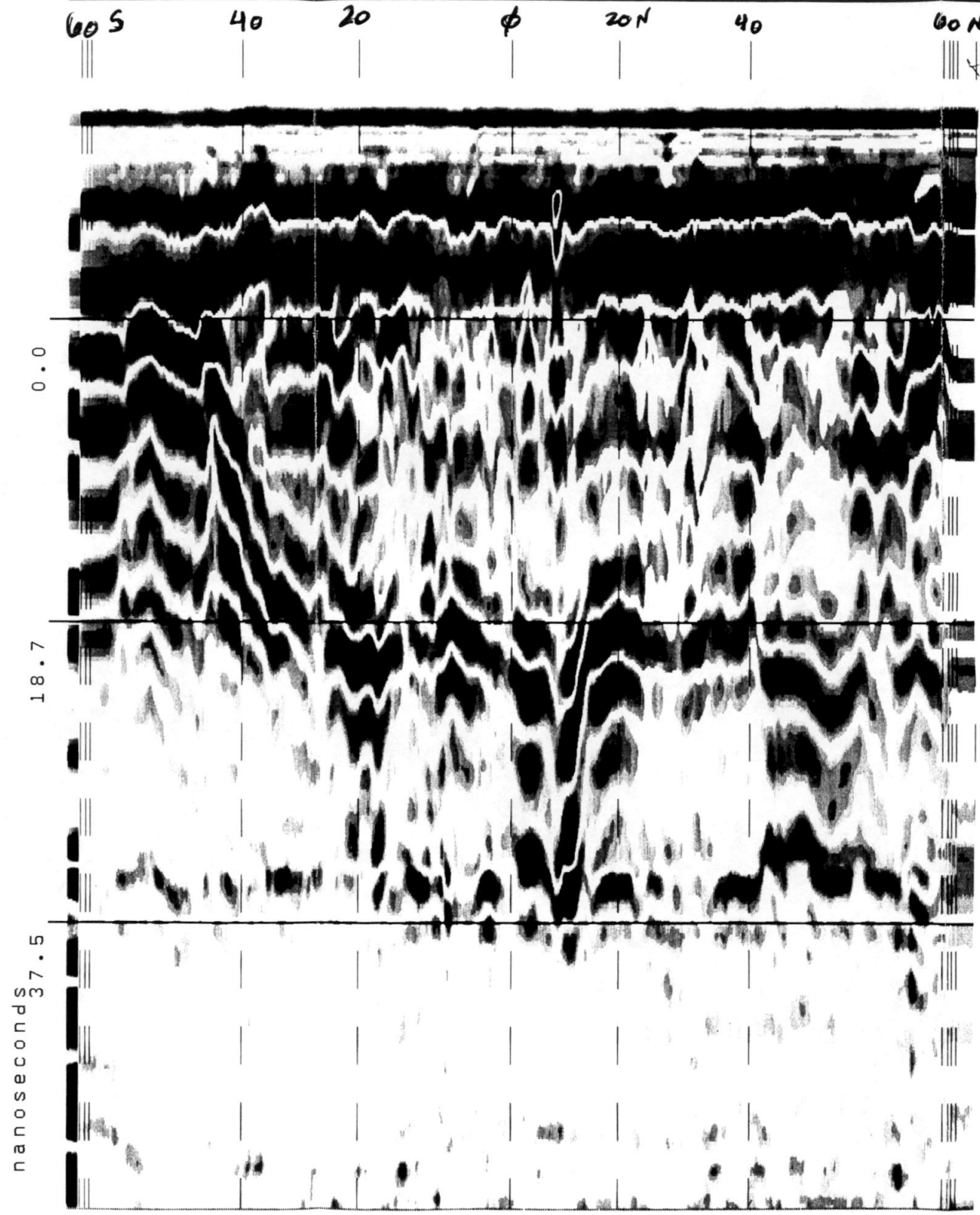
Ft. Monmouth NJ

Main Post Site M12SW

Line 160E, Marks at 20' intervals

Start: 60S End: 60N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 23 FILE23 Created December 9, 1994 13:17:08

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 7 11 27 48 52

Vert. IIR low pass N=2 F=38  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

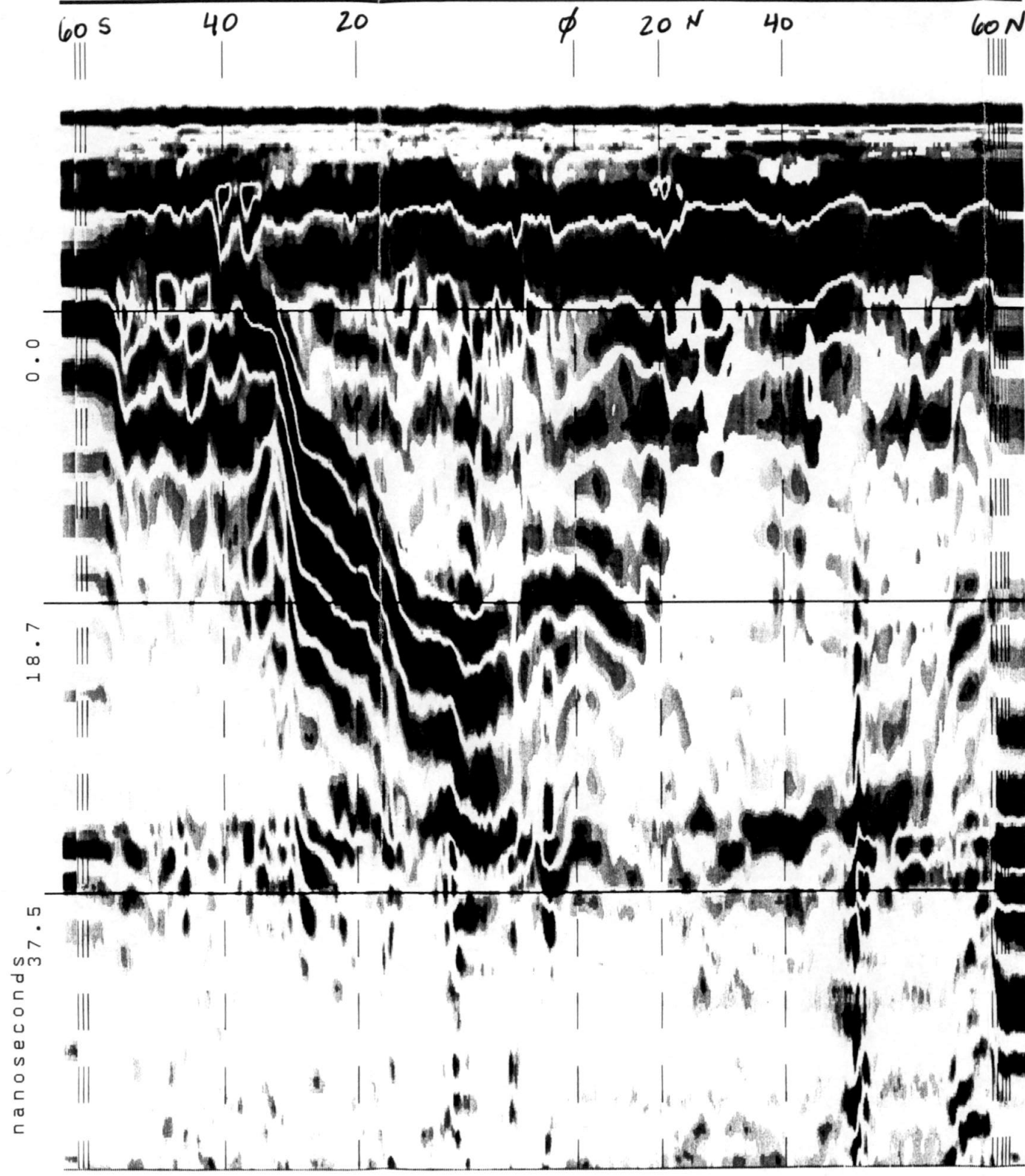
Ft. Monmouth NJ

Main Post Site M12SW

Line 140E, Marks at 20' intervals

Start: 60S End: 60N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 24 FILE24 Created December 9, 1994 13:27:32

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 7 11 27 48 52

Vert: IIR low pass N=2 F=38  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

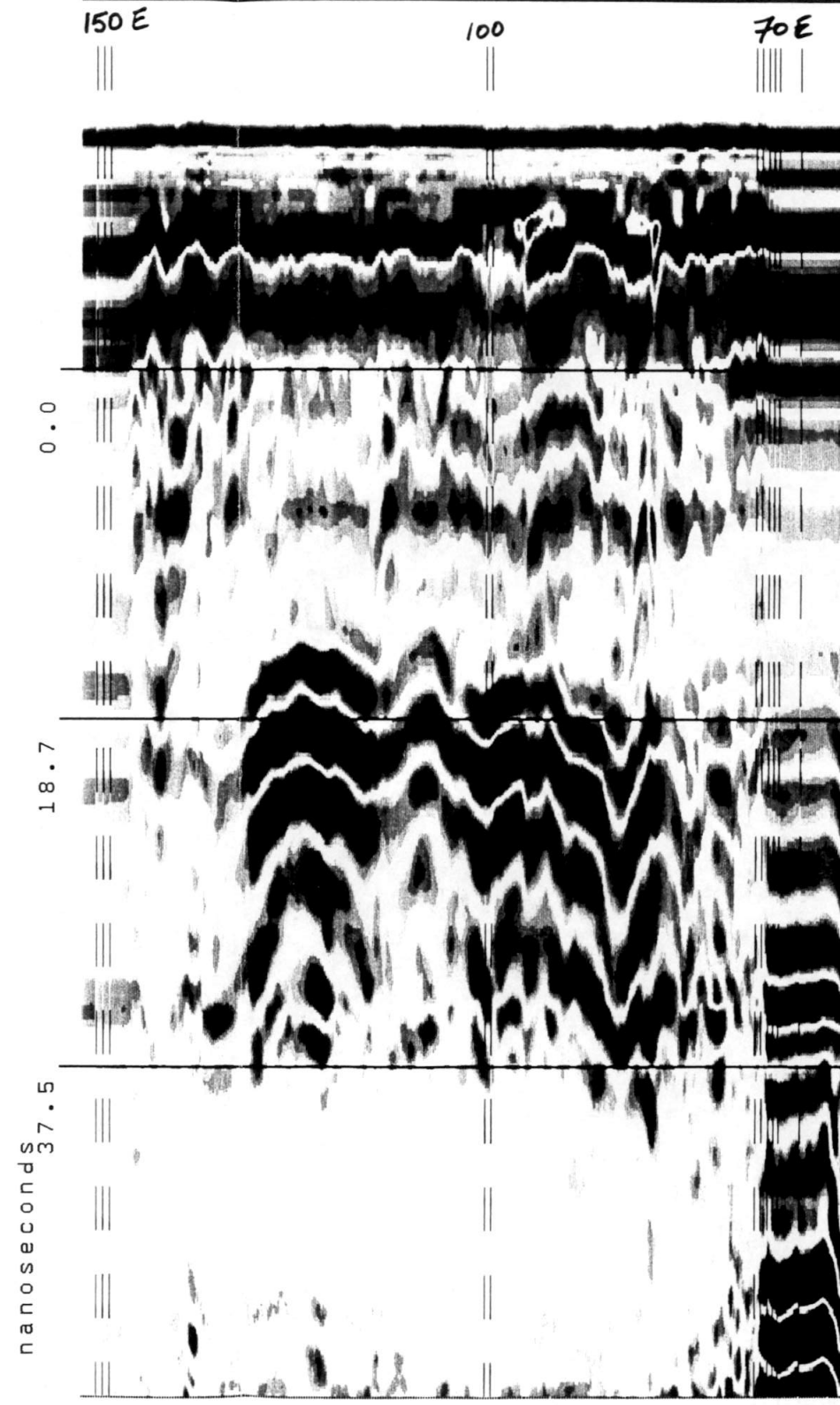
Ft. Monmouth NJ

Main Post Site M12SW

Line 60N, Marks at 50' intervals

Start: 150E End: 70E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 25 FILE25 Created December 9, 1994 13:33:44

512 samples/scan 25.004 scans/sec  
position: 0 ns range: 75 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 7 11 27 48 52

Vert. IIR low pass N=2 F=38  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

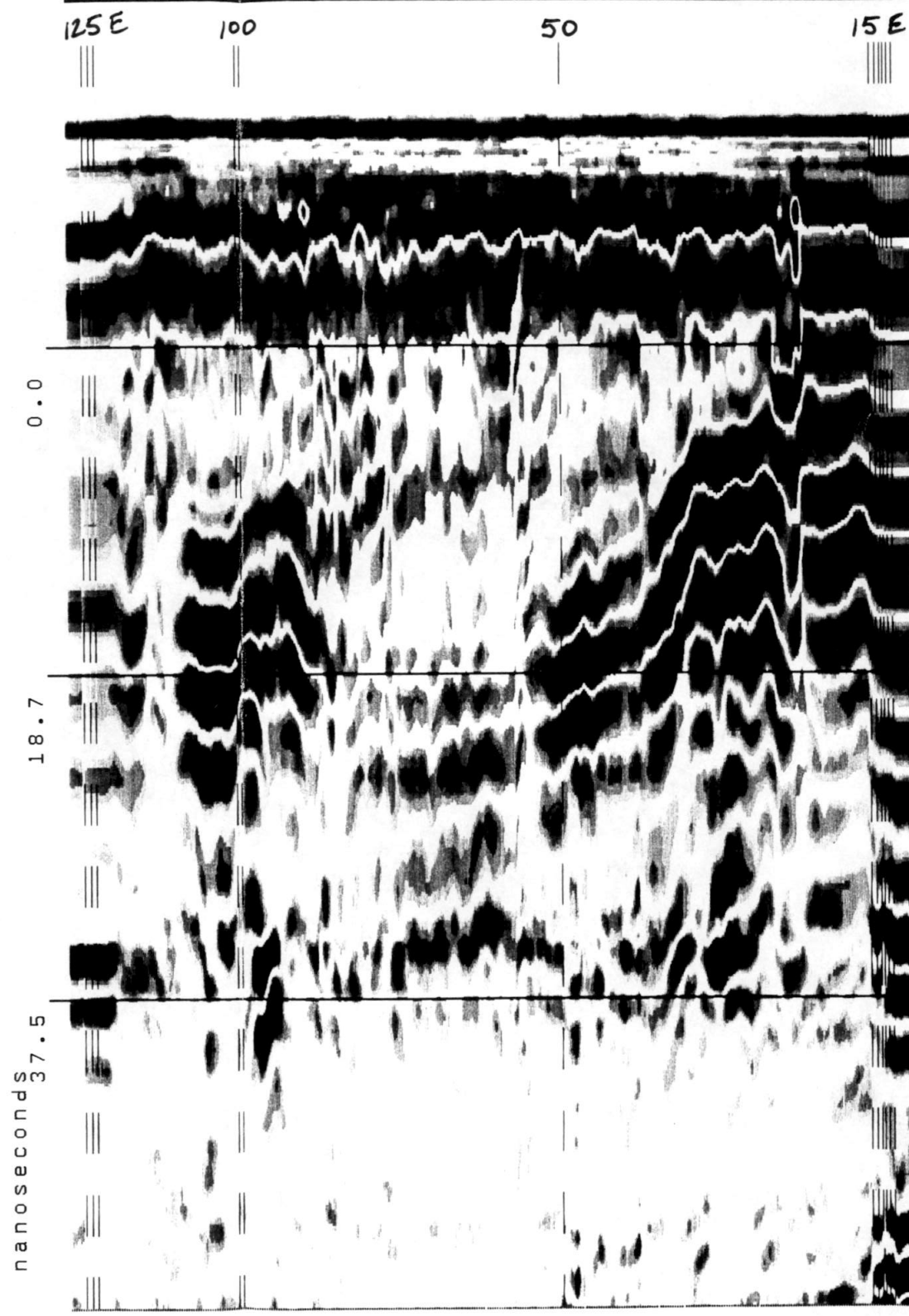
Ft. Monmouth NJ

Main Post Site M12SW

Line 80N, Marks at 50' intervals

Start: 125E End: 15E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 26 FILE26 Created December 9, 1994 13:39:20

512 samples/scan 25.004 scans/sec  
Position: 0 NS Range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 7 11 27 48 52

Vert. IIR low Pass N=2 F=38  
Vert. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

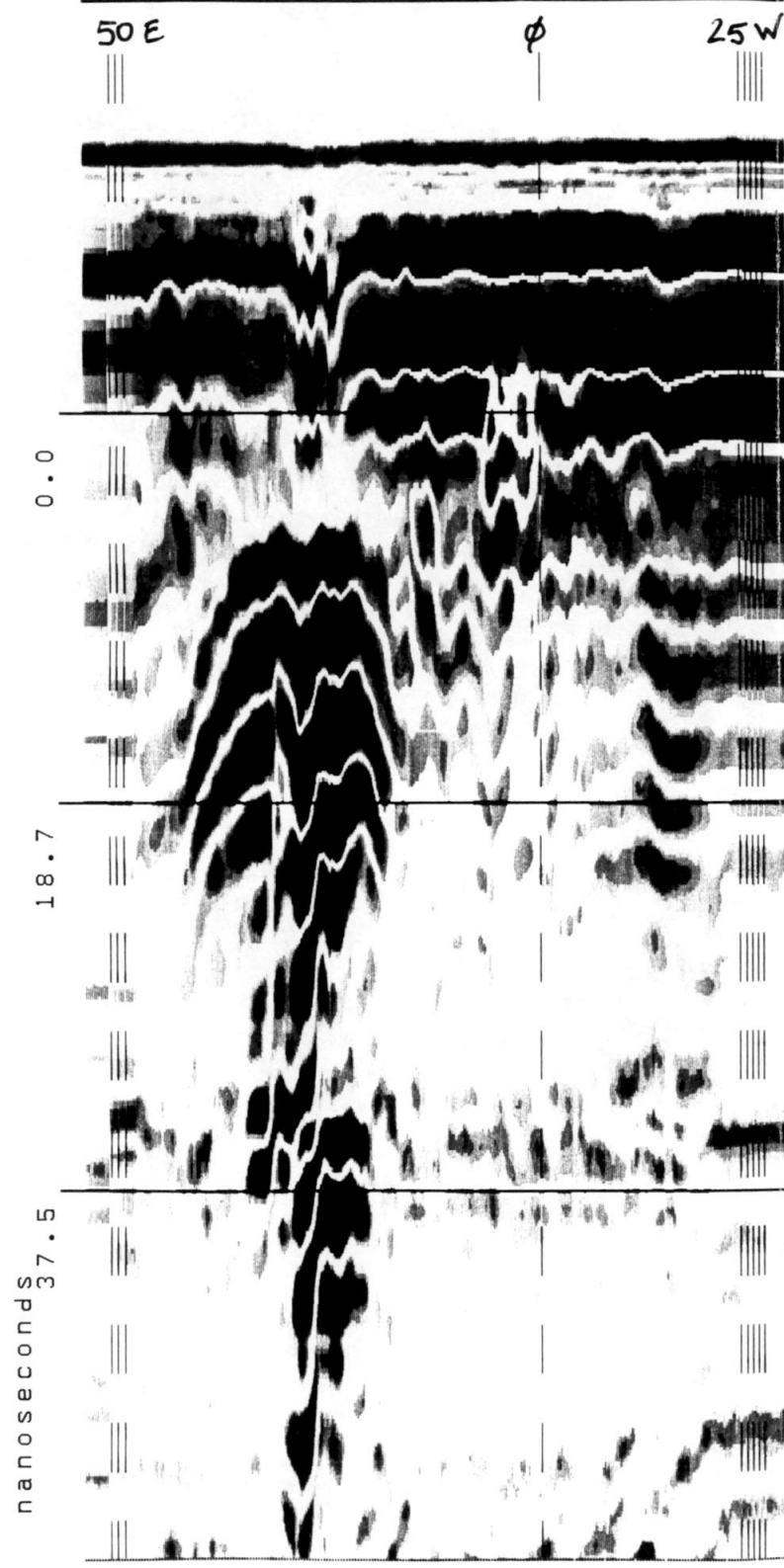
Ft. Monmouth NJ

Main Post Site M12SW

Line 100N, Marks at 50' intervals

Start: 50E End: 25W

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 27 FILE27 Created December 9, 1994 13:45:38

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 7 11 27 48 52

Vert. IIR low pass N=2 F=38  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

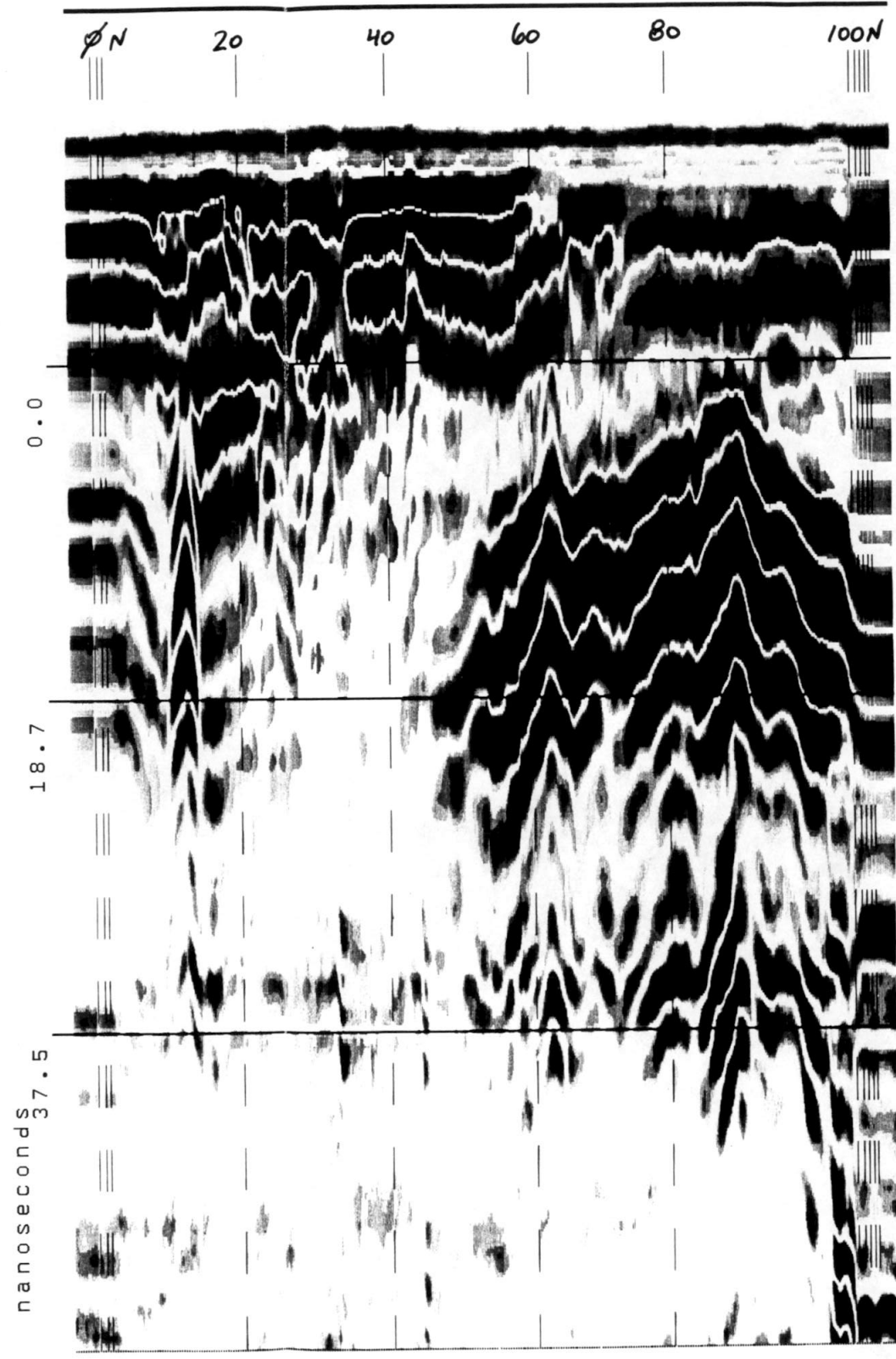
Ft. Monmouth NJ

Main Post Site M12SW

Line 30E, Marks at 30' intervals

Start: 0N End: 100N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 28 FILE28 Created December 9, 1994 13:58:28

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 150 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 19 53 65 70

Vert: IIR low Pass N=2 F=75  
Horiz: IIR high Pass N=2 F=12  
Horiz: IIR stacking TC=4

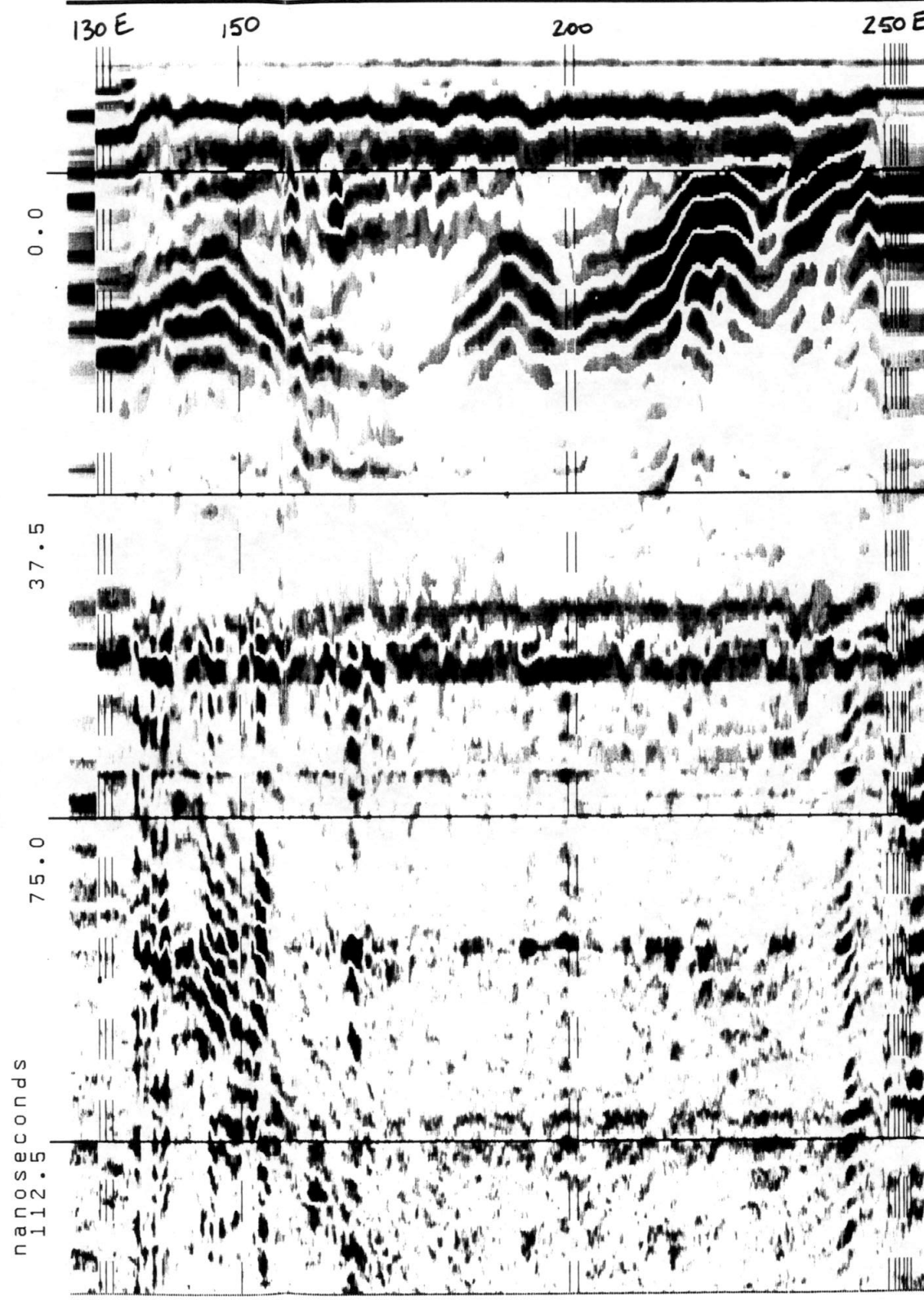
Ft. Monmouth NJ

Main Post Site M12SW

Line 20S, Marks at 50' intervals

Start: 130E End: 250E Repeat File 3

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 29 FILE29 Created December 9, 1994 14:02:54

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 150 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 19 53 65 70

Vert: IIR low Pass N=2 F=75  
Horiz: IIR high Pass N=2 F=12  
Horiz: IIR stacking TC=4

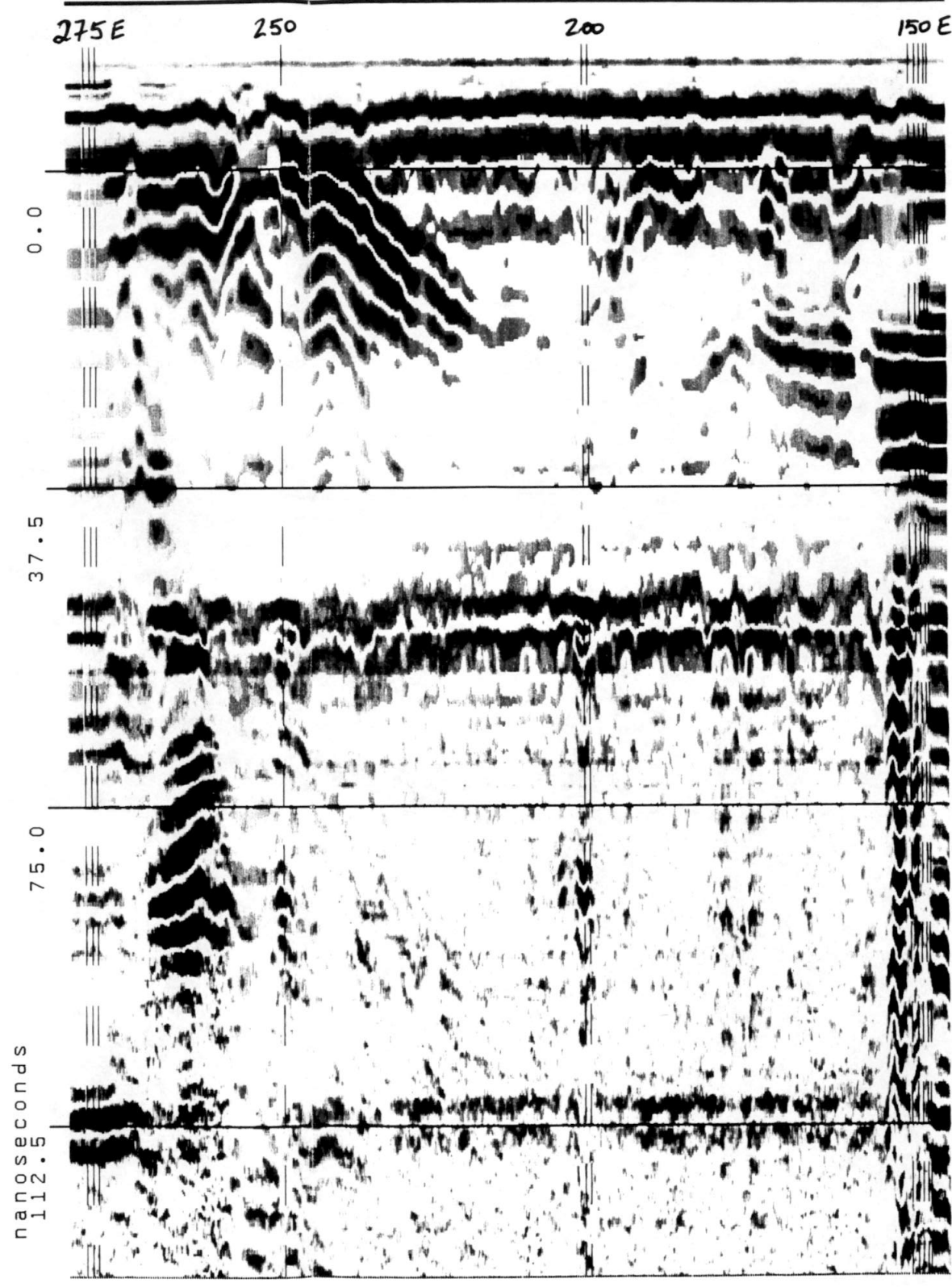
Ft. Monmouth NJ

Main Post Site M12SW

Line ON, Marks at 50' intervals

Start: 275E End: 150E Repeat File 1

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 30 FILE30 Created December 9, 1994 14:08:32

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 150 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 19 53 65 70

Vert: IIR low Pass N=2 F=75  
Vert: IIR high Pass N=2 F=12  
Horiz: IIR stacking TC=4

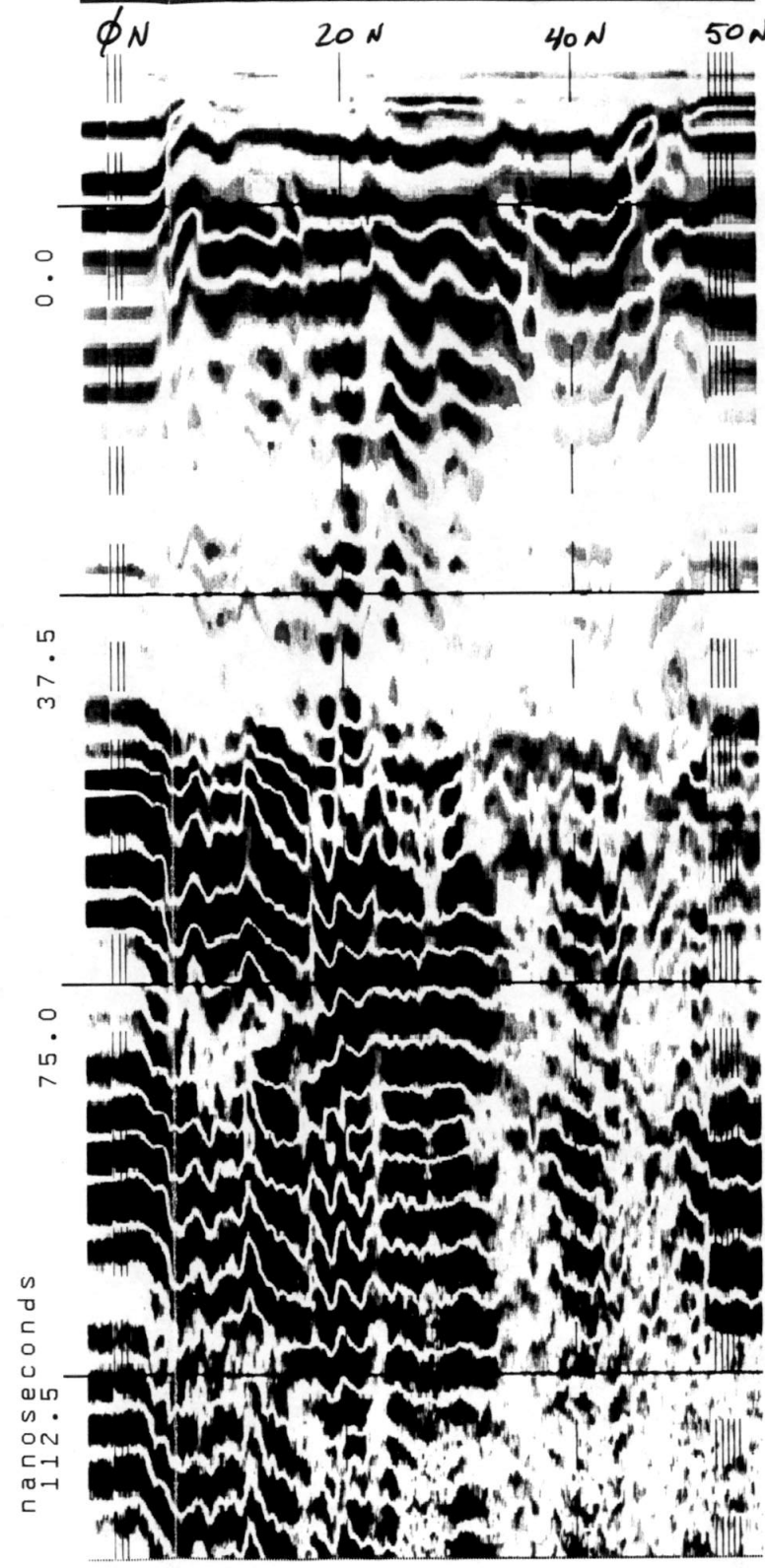
Ft. Monmouth NJ

Main Post Site M12SW

Line 280E, Marks at 20' intervals

Start: 0N End: 50N Repeat File 14

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



**SITE M-14**

**GROUND PENETRATING RADAR PROFILES**

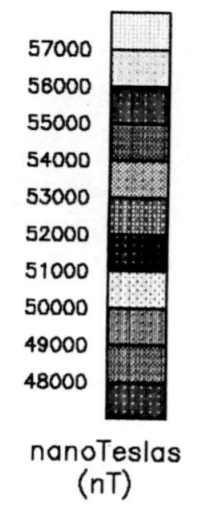
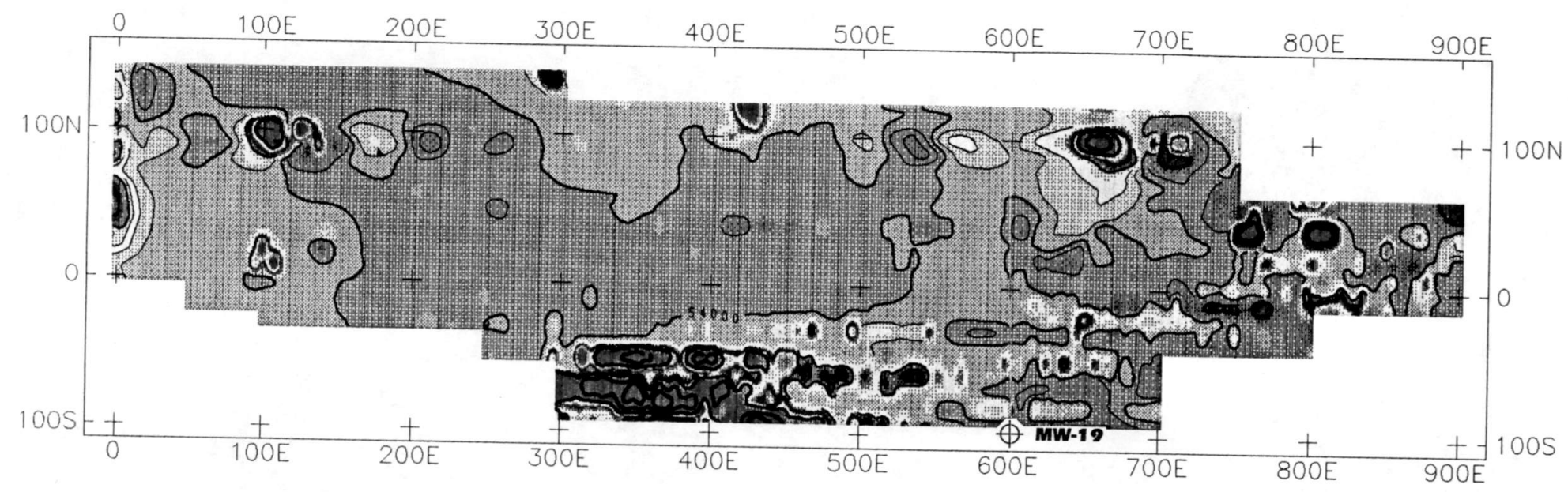
Note: GPR grid coordinates are referenced to the magnetometer survey grid coordinates as depicted on Figures 4.2-21 and 4.2-22 of the WESTON Final Site Investigation Report, December 1995.



**TABLE F-4**

**GEOPHYSICAL SURVEY GRID LOCATIONS WITH  
CORRESPONDING SURVEY DATA  
SITE M-14  
FORT MONMOUTH, NJ**

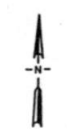
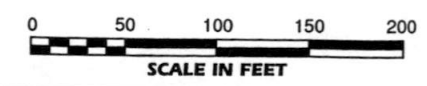
| STATION       | SURVEY DATA |             |
|---------------|-------------|-------------|
|               | NORTHING    | EASTING     |
| 0N, 0E        | 539528.313  | 2174400.091 |
| 100N, 0E      | 539622.556  | 2174366.723 |
| 131N, 0E      | 539651.771  | 2174356.379 |
| 0N, 100E      | 539561.689  | 2174494.357 |
| 0N, 200E      | 539595.065  | 2174588.623 |
| 0N, 300E      | 539628.441  | 2174682.889 |
| 100N, 300E    | 539722.684  | 2174649.520 |
| 0N, 400E      | 539661.809  | 2174777.132 |
| 0N, 500E      | 539695.193  | 2174871.420 |
| 100N, 500E    | 539789.436  | 2174838.052 |
| 0N, 600E      | 539728.569  | 2174965.686 |
| 0N, 700E      | 539761.945  | 2175059.952 |
| 100N, 700E    | 539856.188  | 2175026.584 |
| 131N, 631.50E | 539862.541  | 2174951.667 |



95P-3239 6/27/95

LEGEND

⊕ Monitor Well



Fort Monmouth, Main Post Site M-14

**FIGURE 4.2-21**  
**MAGNETOMETER SURVEY**  
**TOTAL MAGNETIC FIELD - SITE M-14**

File 1 FILE1 Created December 13, 1994 09:06:08

512 samples/scan 25.004 scans/sec  
Position: 0 NS Range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 38 44

Vert: IIR low pass N=2 F=50  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

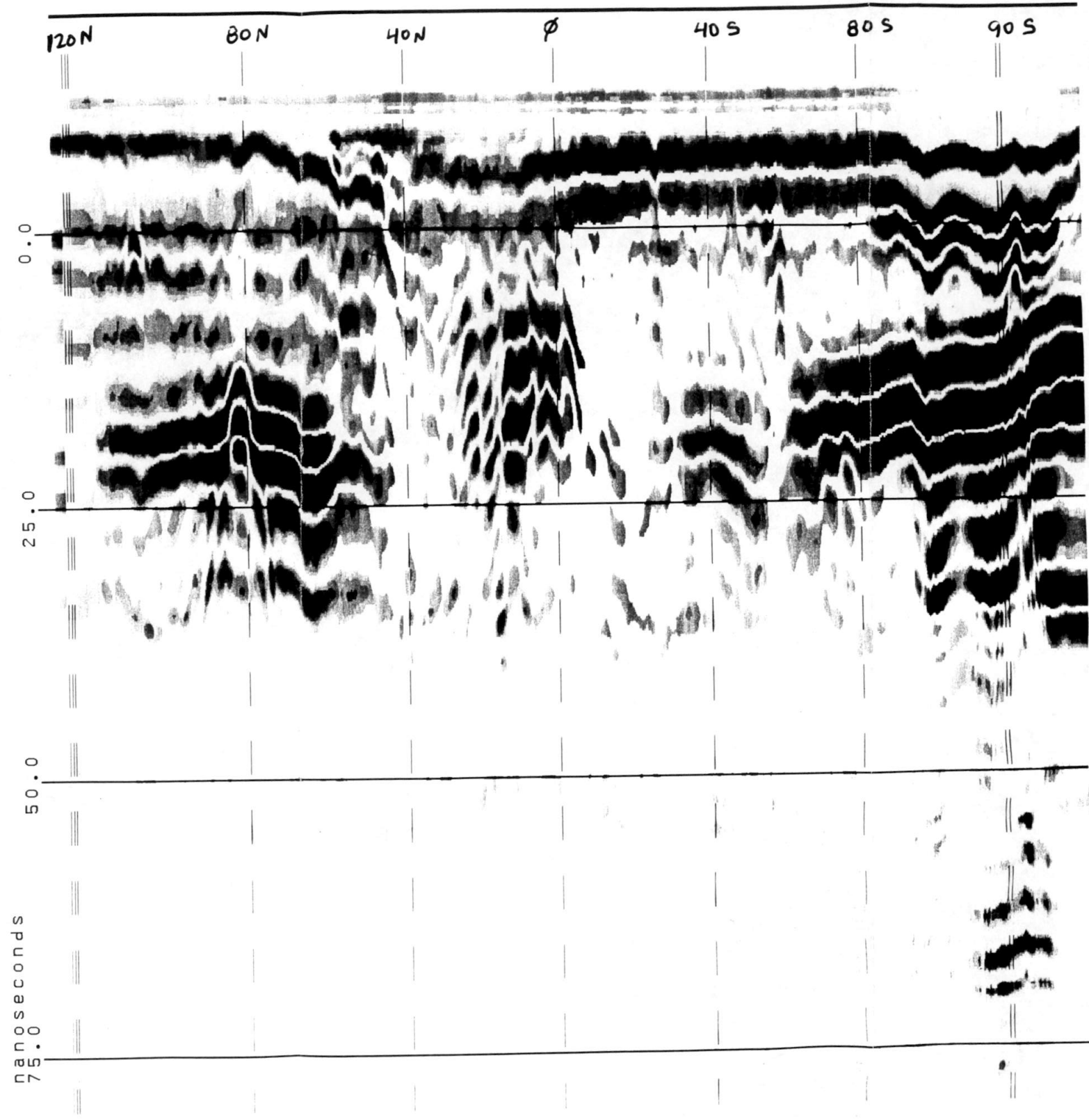
Ft. Monmouth NJ

Main Post Site M14

Line 700 E Marks at 20' intervals

Start: 120 N End: 90 S

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 2 FILE2 Created December 13, 1994 09:17:28

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 38 44

Vert. IIR low Pass N=2 F=50  
Vert. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

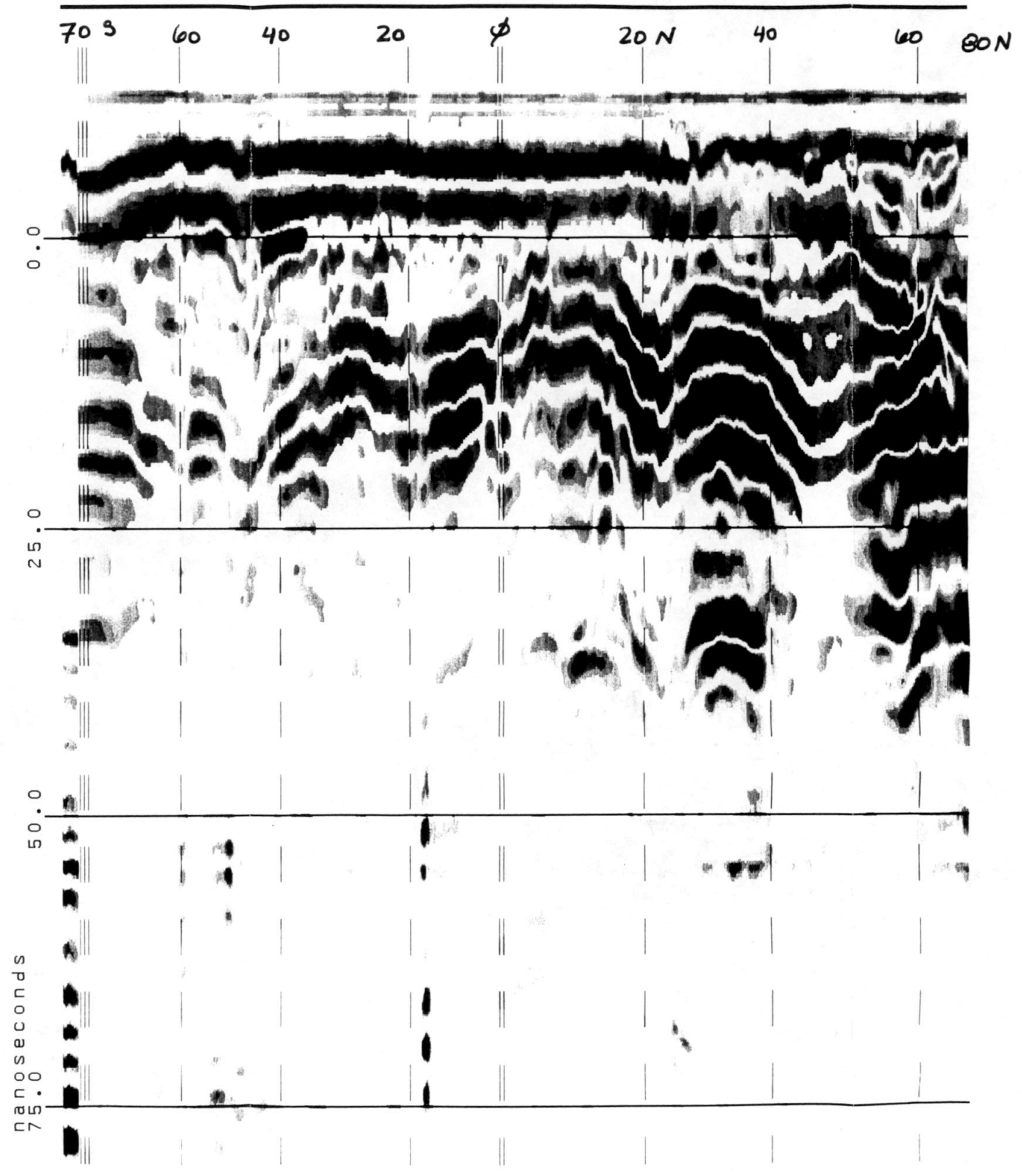
Ft. Monmouth NJ

Main Post Site M14

Line 750 E Marks at 20' intervals

Start: 780 S End: 80 N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 3 FILE3 Created December 13, 1994 09:24:52

512 samples/scan 25.004 scans/sec  
Position: 0 nS range: 100 nS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 38 44

Vert: IIR low pass N=2 F=50  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

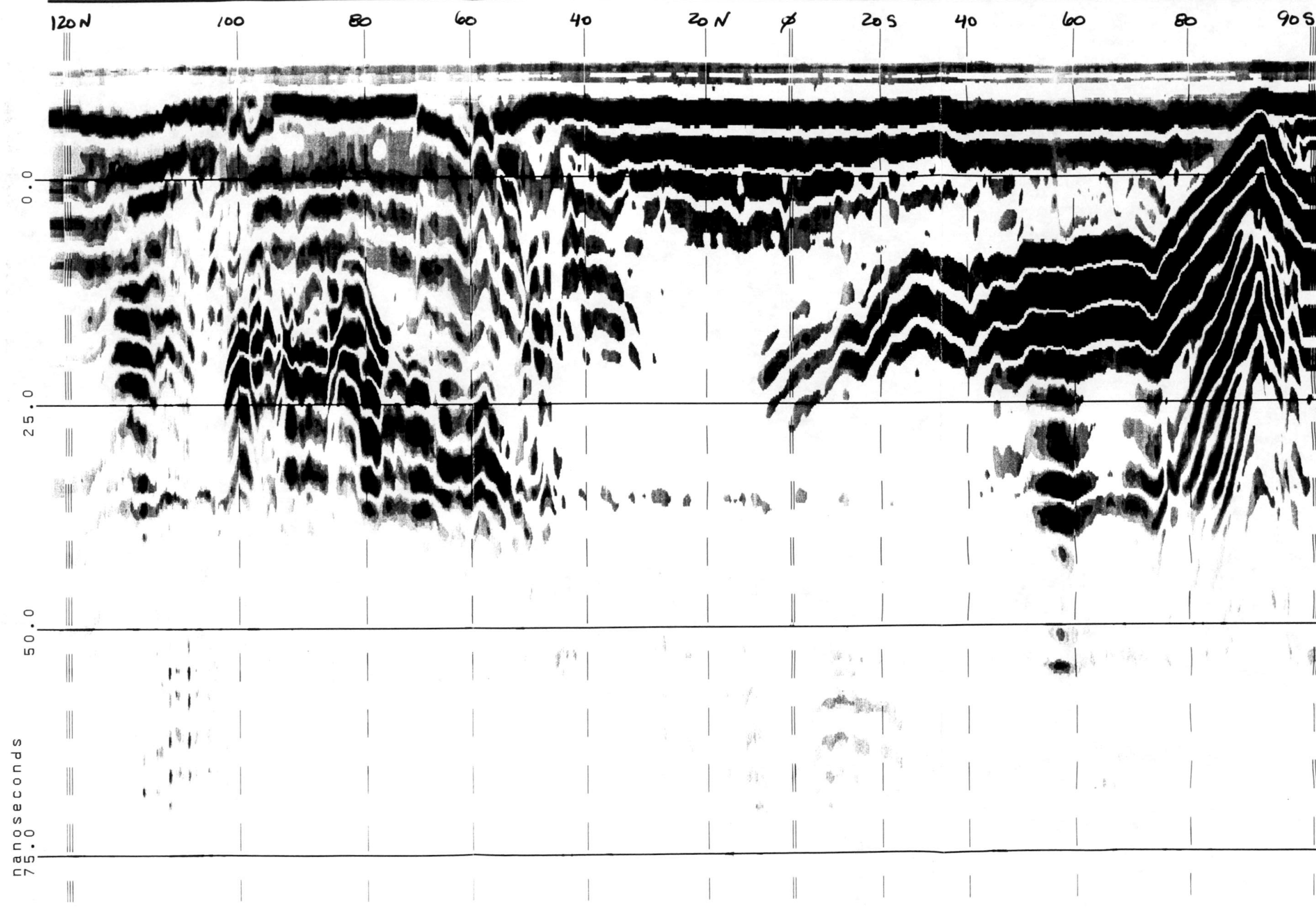
Ft. Monmouth NJ

Main Post Site M14

Line 650 E Marks at 20' intervals

Start: 120 N End: 90 S

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 4 FILE4 Created December 13, 1994 09:38:06

512 samples/scan 25.004 scans/sec  
Position: 0 NS Range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 38 44

Vert: IIR low Pass N=2 F=50  
Vert: IIR high Pass N=2 F=8  
Horiz: IIR stacking TC=4

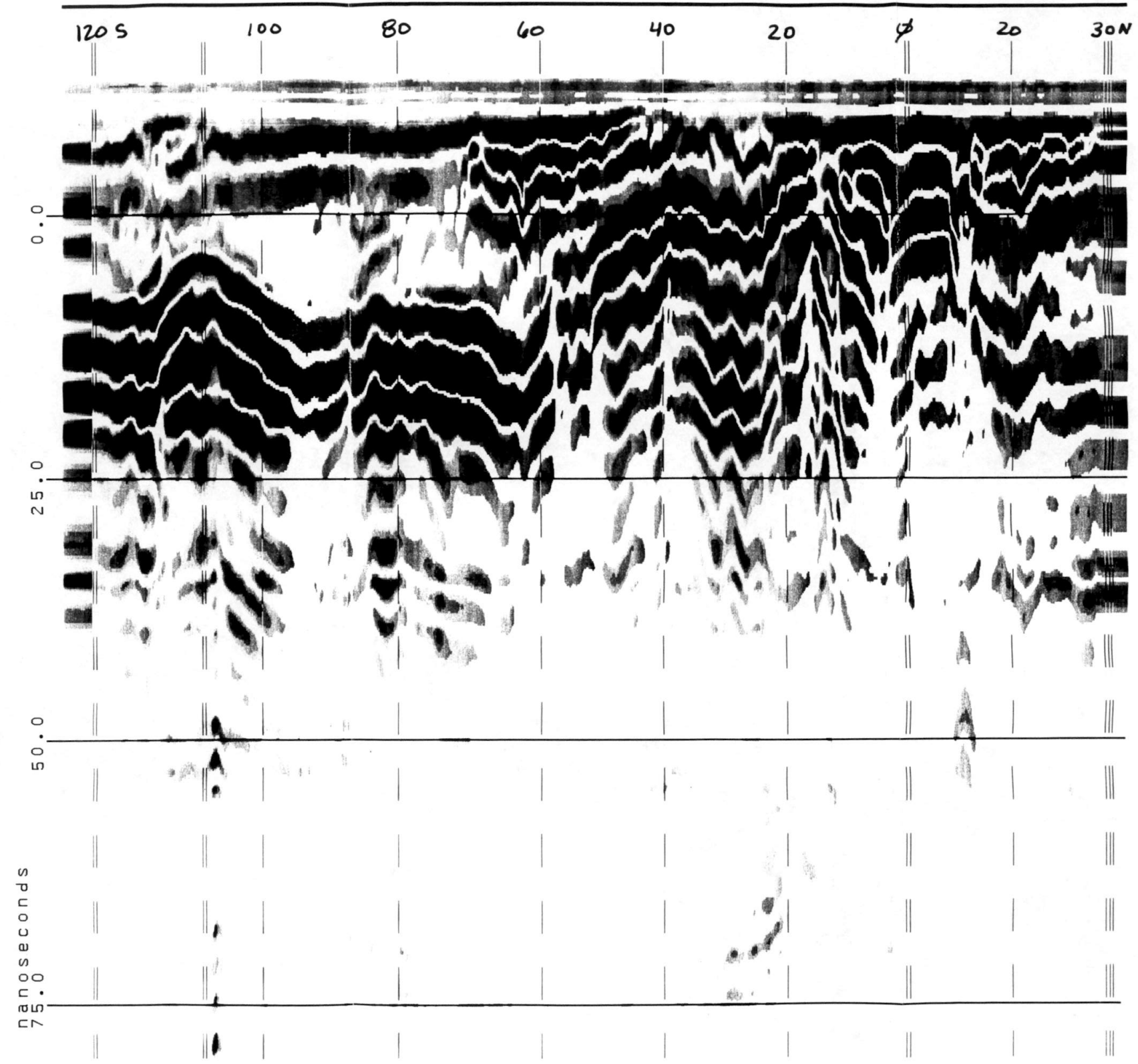
Ft. Monmouth NJ

Main Post Site M14

Line 600 E Marks at 20' intervals

Start: 120 S End: 30 N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 5 FILES Created December 13, 1994 09:46:44

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 38 44

Vert. IIR low Pass N=2 F=50  
Vert. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

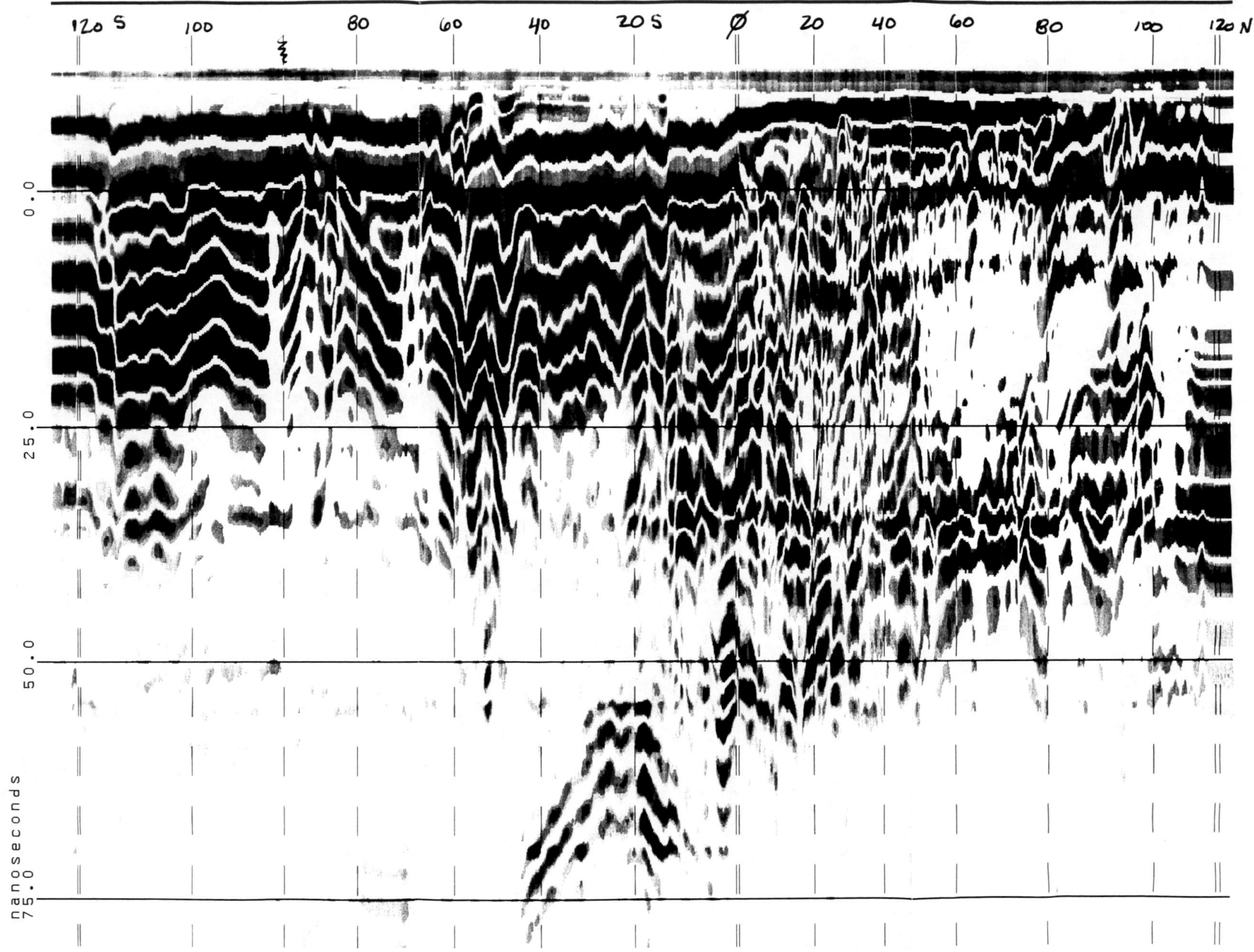
Ft. Monmouth NJ

Main Post Site M14

Line 550 E Marks at 20' intervals

Start: 120 S End: 120 N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 6 FILE6 Created December 13, 1994 09:52:08

512 samples/scan 25.004 scans/sec  
Position: 0 NS Range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 38 44

Vert: IIR low pass N=2 F=50  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

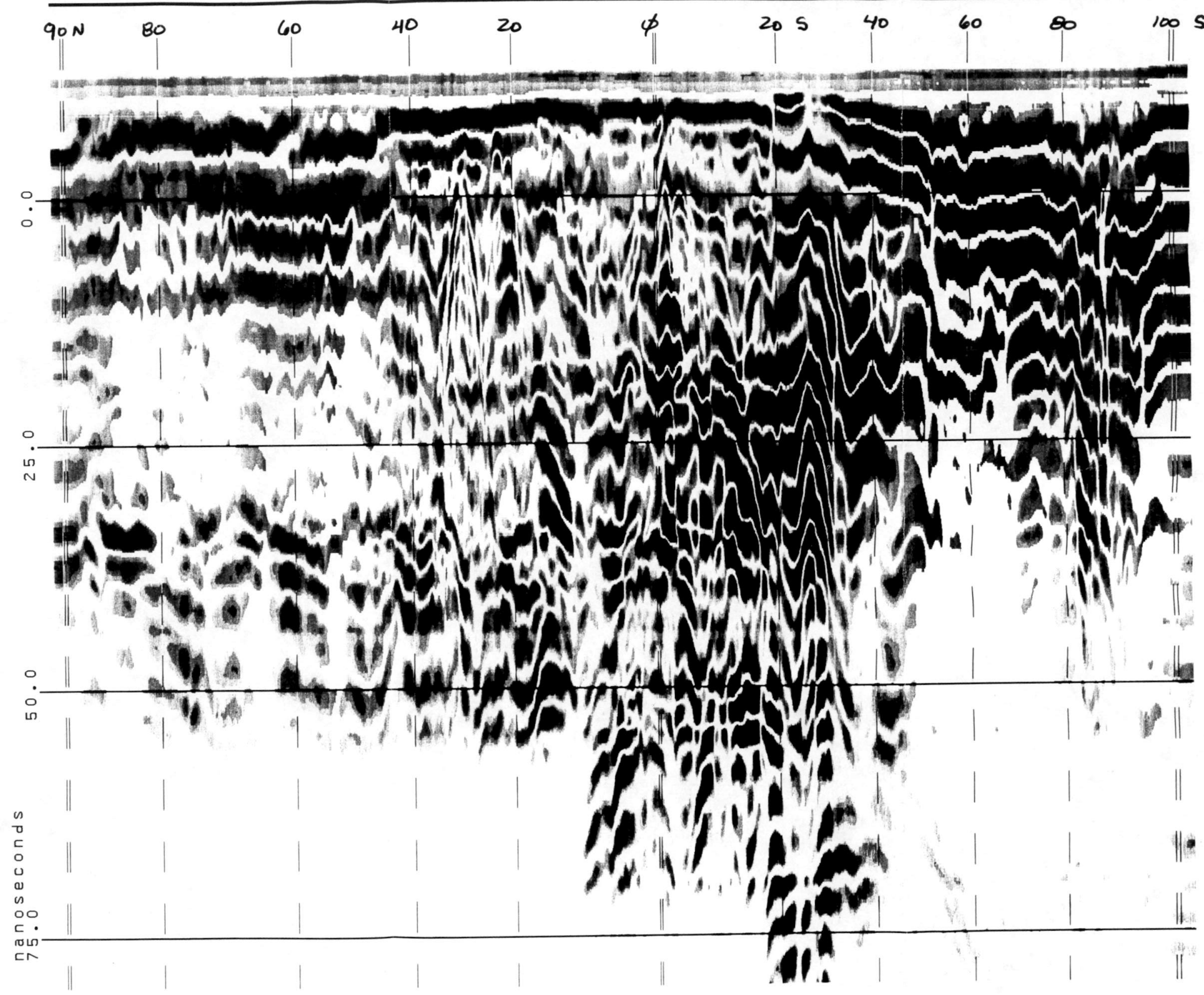
Ft. Monmouth NJ

Main Post Site M14

Line 500 E Marks at 20' intervals

Start: 90 N End: 100 S

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 7 FILE7 Created December 13, 1994 09:58:46

512 samples/scan 25.004 scans/sec  
Position: 0 NS Range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 40 46

Vert. IIR low pass N=2 F=50  
Horiz. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

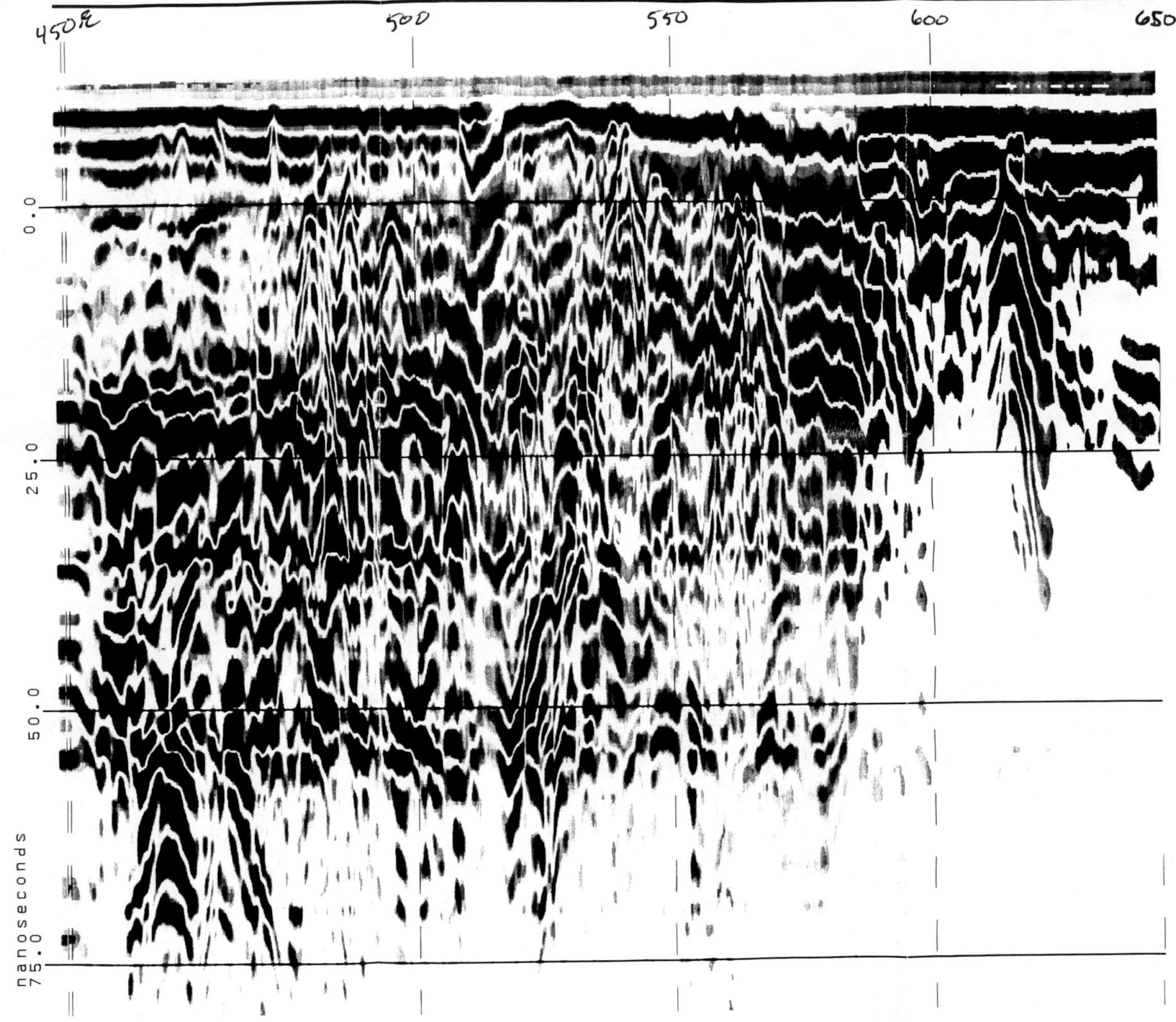
Ft. Monmouth NJ

Main Post Site M14

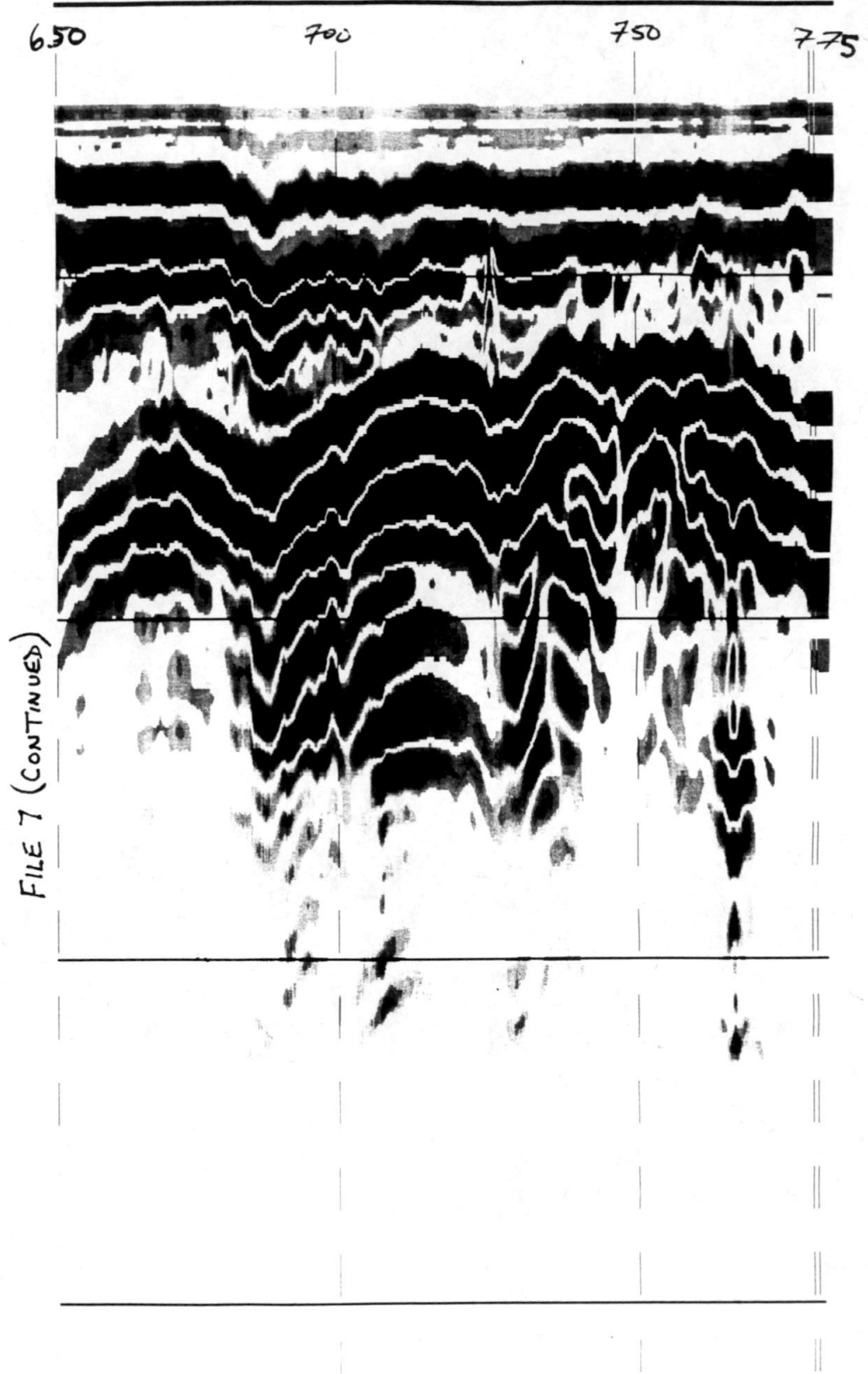
Line 0 N; Marks at 50' intervals

Start: 450 E End: ~~800~~<sup>775</sup> E

Gray Scale Table #4 <sup>Gray</sup> Scale Transform #1 Contrast 7: 0%







512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 40 46

Vert: IIR low Pass N=2 F=50  
Vert: IIR high Pass N=2 F=8  
Horiz: IIR stacking TC=4

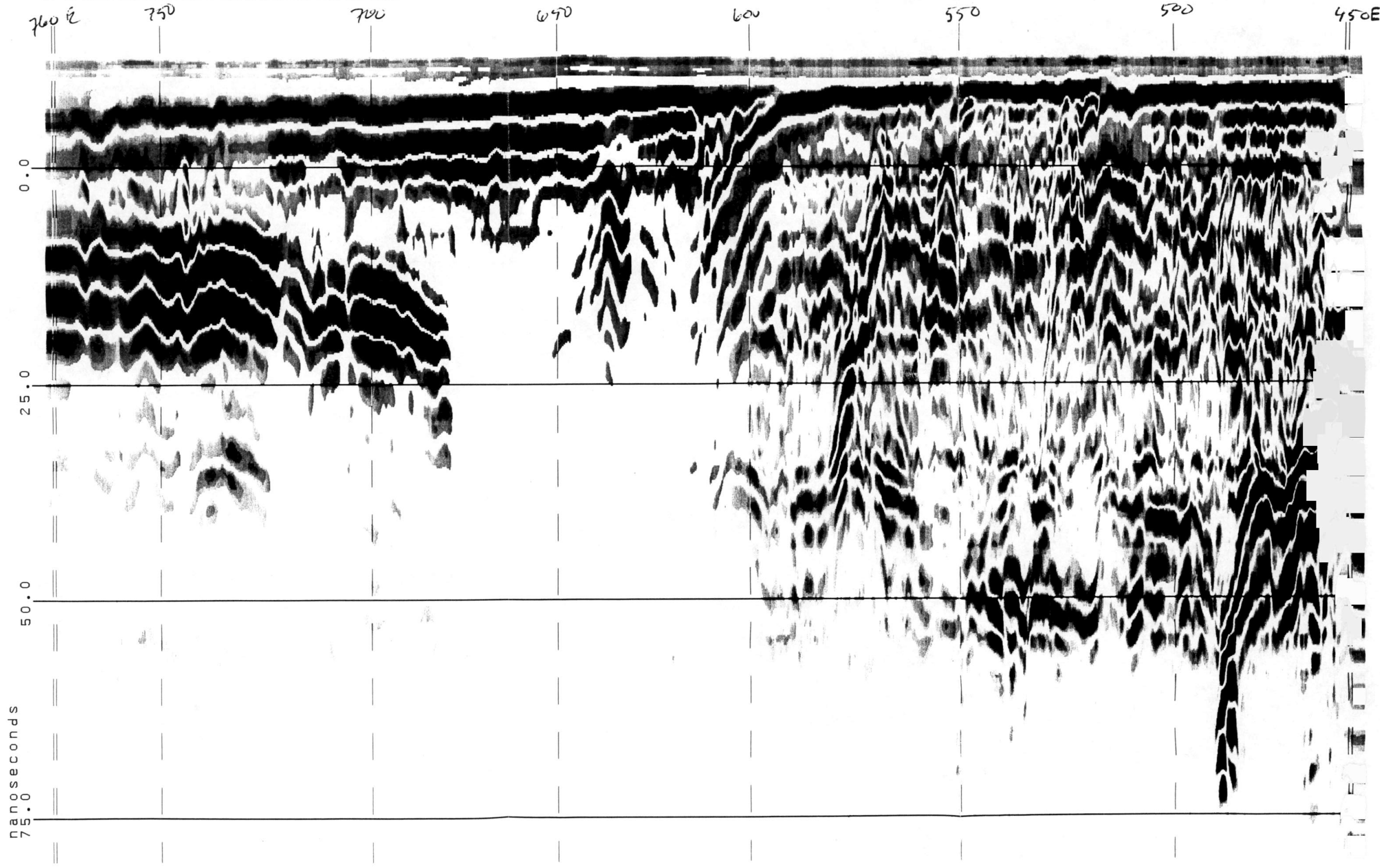
Ft. Monmouth NJ

Main Post Site M14

Line 20 N; Marks at 50' intervals

Start: 760 E End: ~~500 E~~ 450E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 9 FILE9 Created December 13, 1994 10:10:32

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 40 46

Vert. IIR low Pass N=2 F=50  
Vert. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

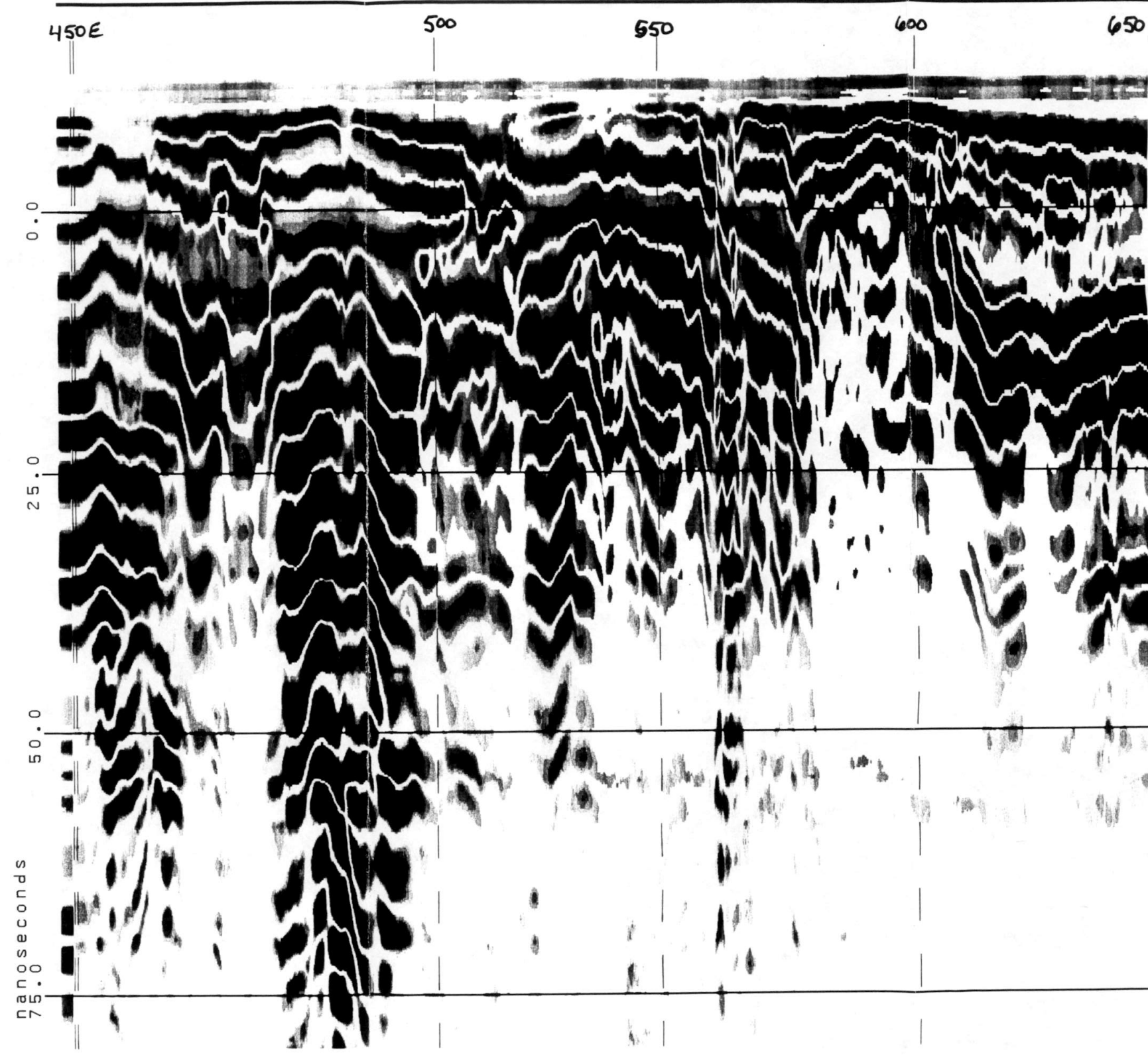
Ft. Monmouth NJ

Main Post Site M14

Line 40 S: Marks at 50' intervals

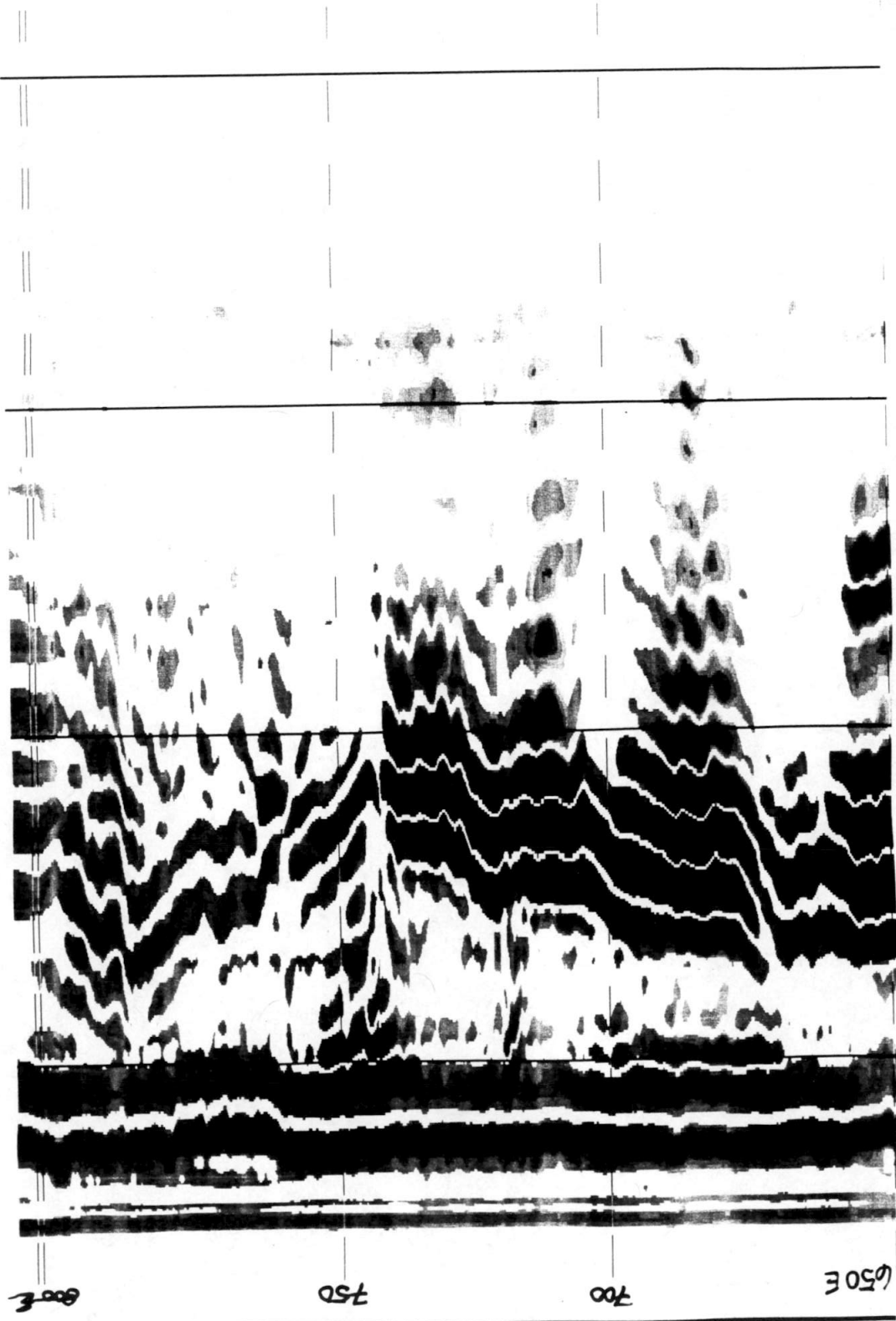
Start: 450 E End: 800 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





FILE 9 (CONTINUED)



File 10 FILE10 Created December 13, 1994 10:16:32

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 40 46

Vert. IIR low pass N=2 F=50

Vert. IIR high pass N=2 F=8

Horiz. IIR stacking TC=4

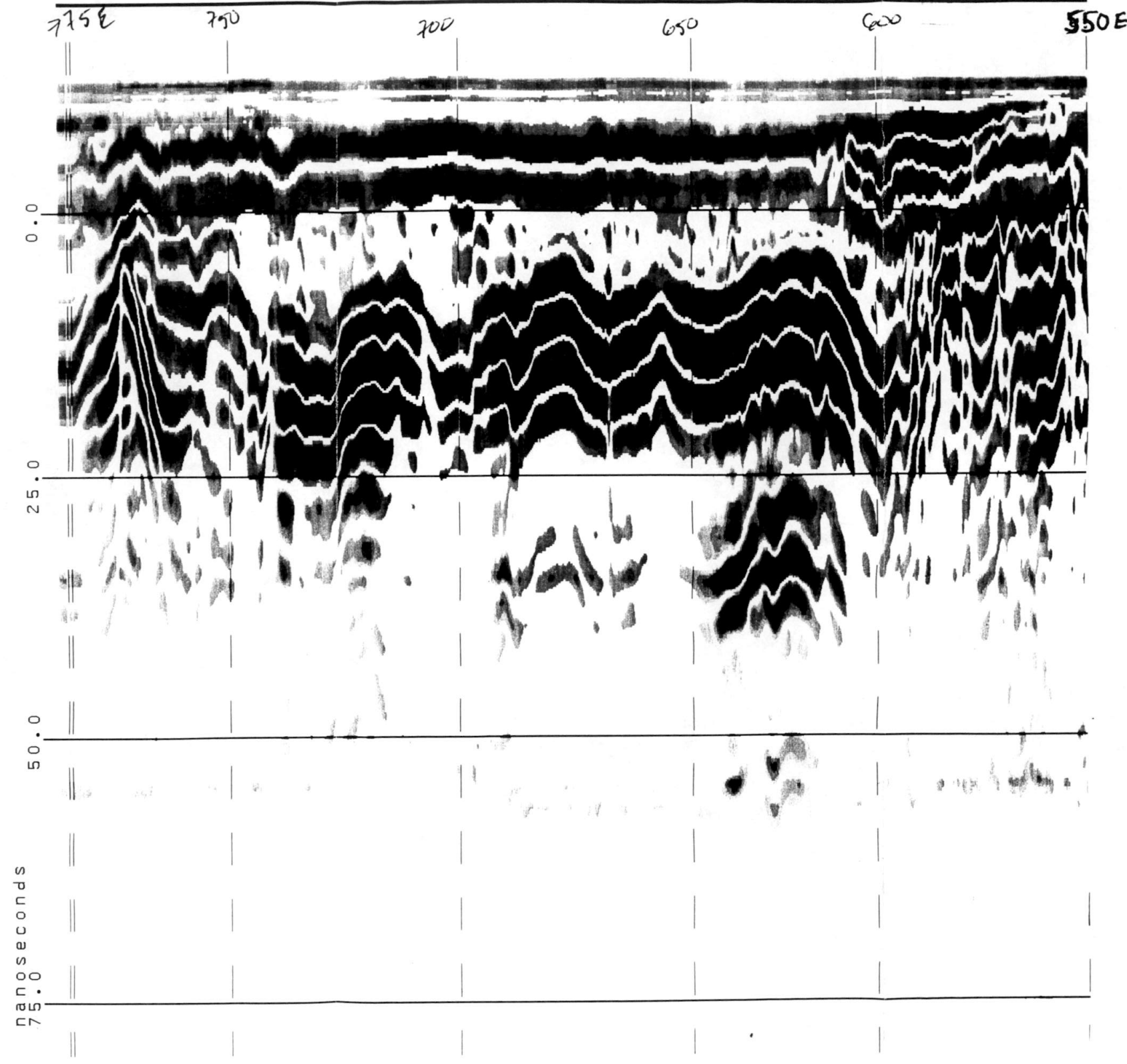
Ft. Monmouth NJ

Main Post Site M14

Line 60 S; Marks at 50' intervals

Start: 775 E End: 450 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%

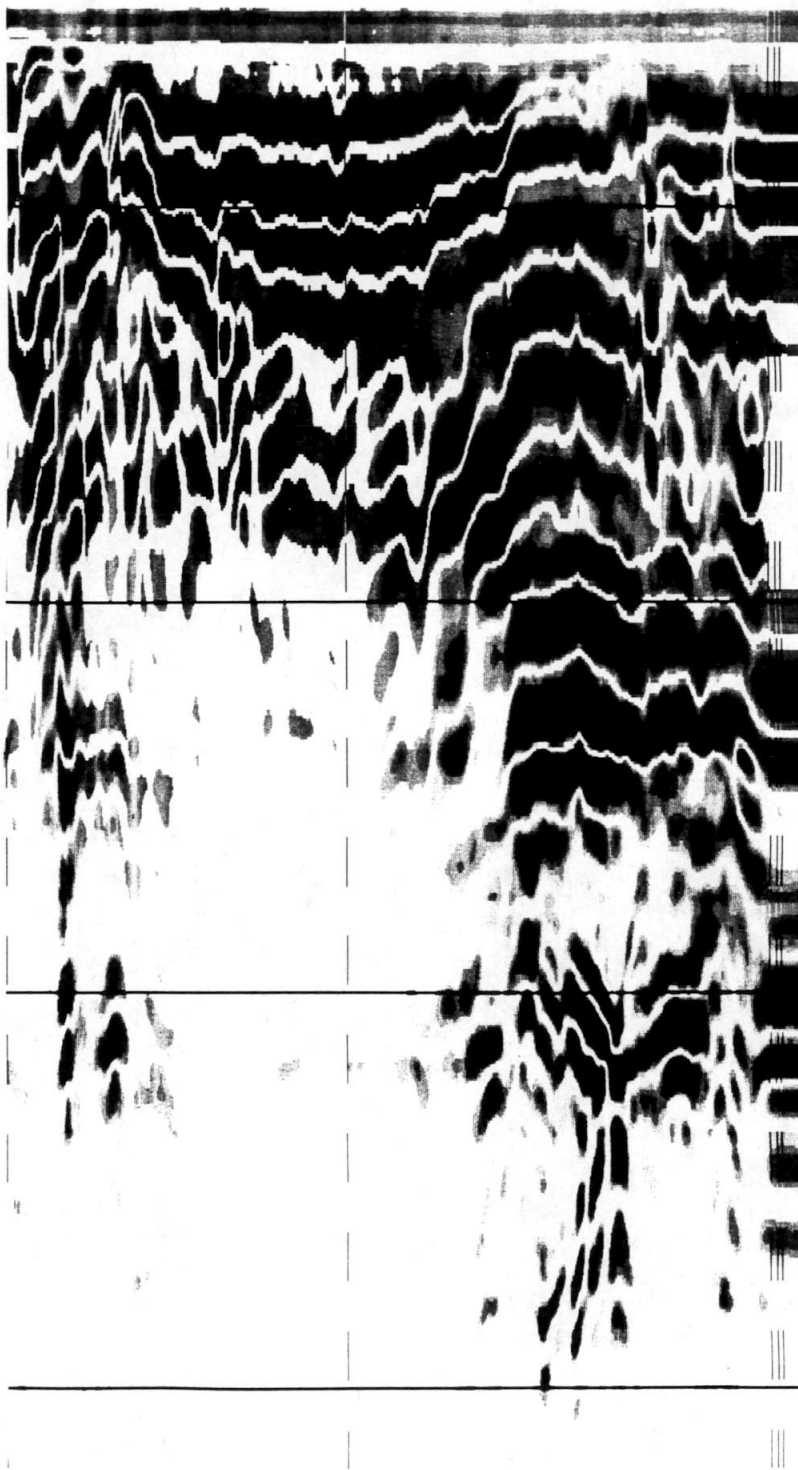


550 E

500

450 E

FILE 10 (CONTINUED)





File 11 FILE11 Created December 13, 1994 10:21:24

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 40 46

Vert: IIR low pass N=2 F=50  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

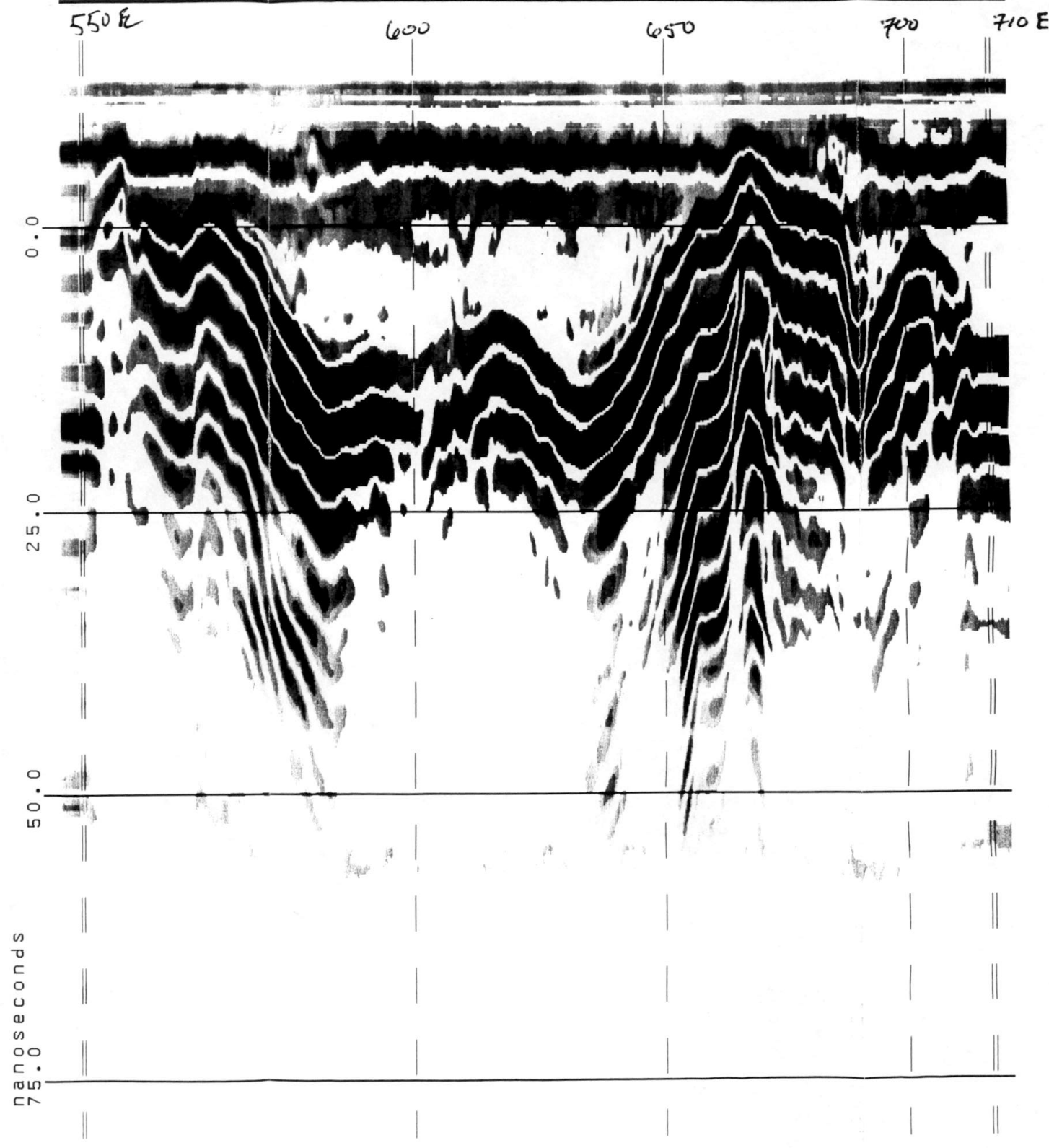
Ft. Monmouth NJ

Main Post Site M14

Line 80 S; Marks at 50' intervals

Start: 550 E End: 710 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 12 FILE12 Created December 13, 1994 10:26:12

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 40 46

Vert. IIR low pass N=2 F=50  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

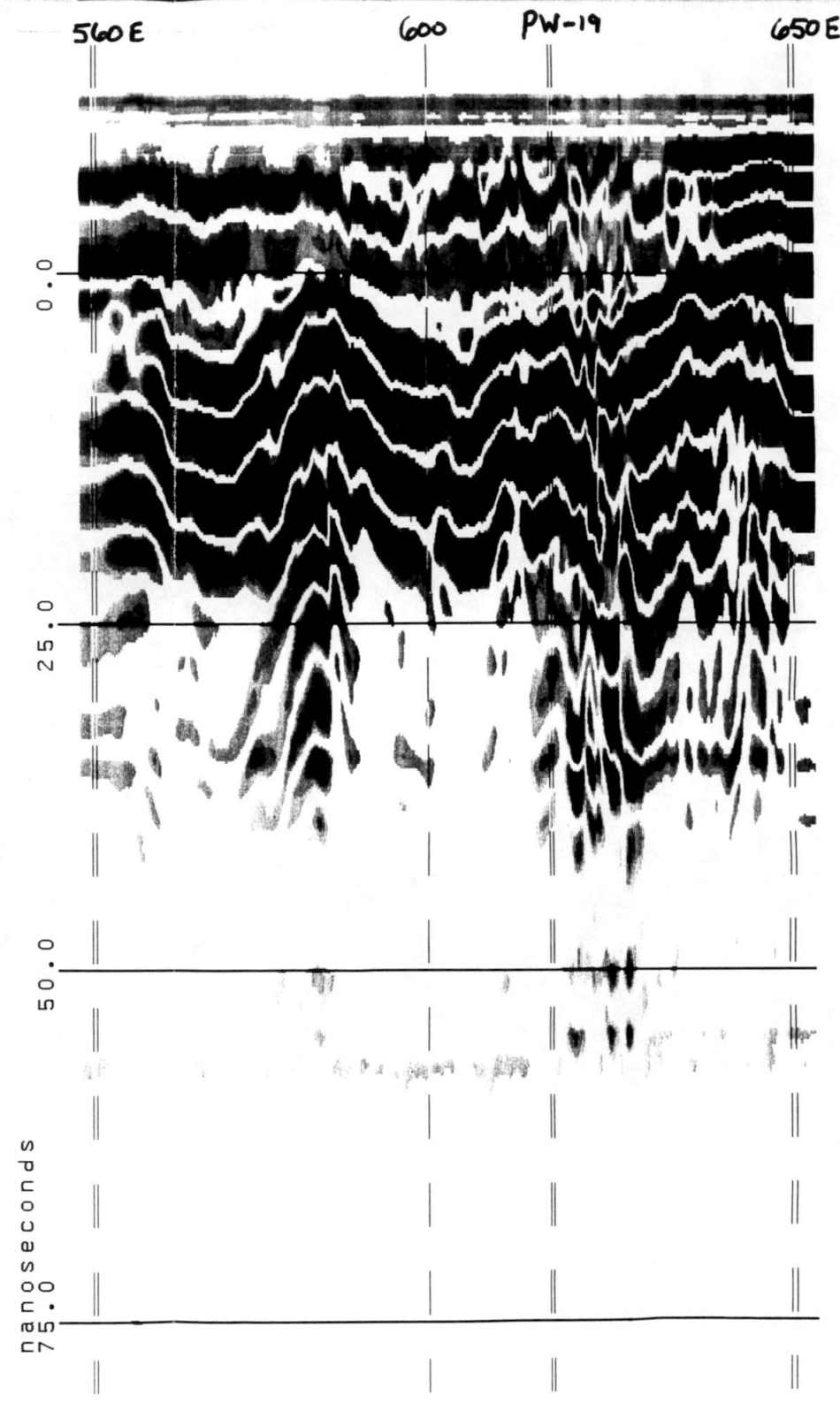
Ft. Monmouth NJ

Main Post Site M14

Line 100 S; Marks at 50' intervals

Start: 560 E End: 650 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 13 FILE13 Created December 13, 1994 10:59:46

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 40 46

Vert: IIR low Pass N=2 F=50  
Vert: IIR high Pass N=2 F=8  
Horiz: IIR stacking TC=4

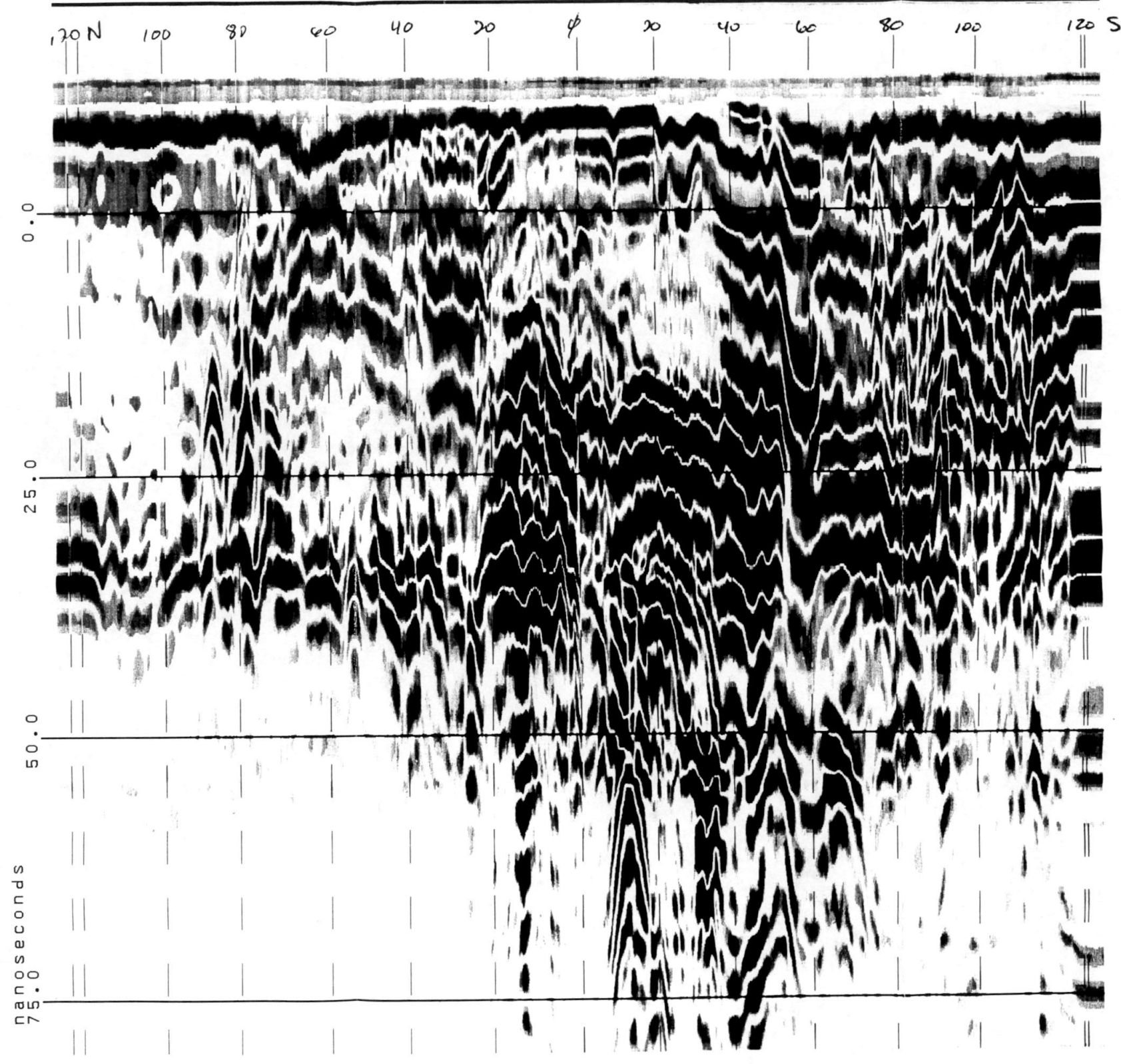
Ft. Monmouth NJ

Main Post Site M14

Line 450 E; Marks at 20' intervals

Start: 120 N End: 120 S

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 14 FILE14 Created December 13, 1994 11:08:14

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 40 46

Vert. IIR low Pass N=2 F=50  
Vert. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

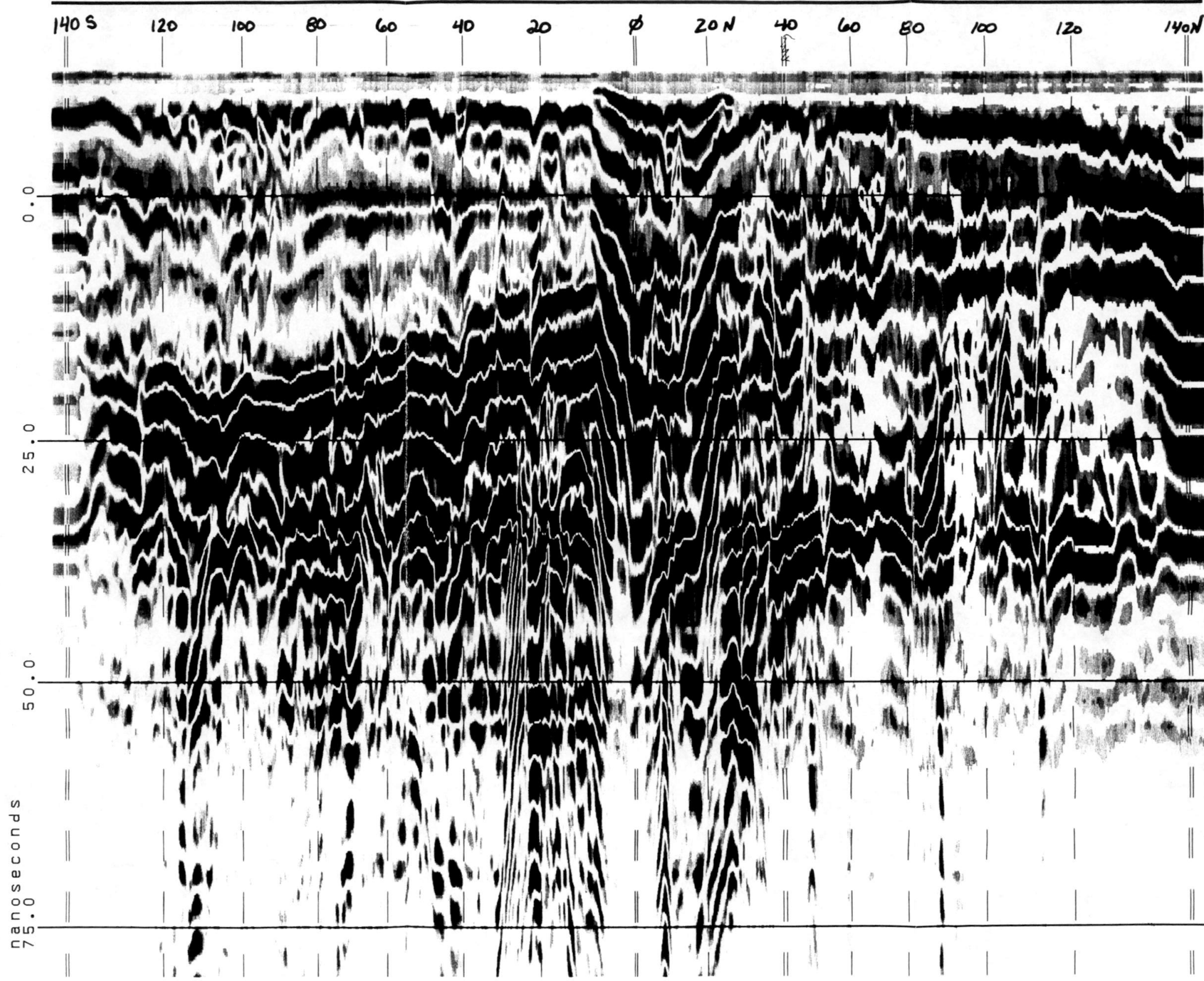
Ft. Monmouth NJ

Main Post Site M14

Line 400 E; Marks at 20' intervals

Start: 140 S End: 140 N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 15 FILE15 Created December 13, 1994 11:21:40

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 40 46

Vert: IIR low Pass N=2 F=50  
Vert: IIR high Pass N=2 F=8  
Horiz: IIR stacking TC=4

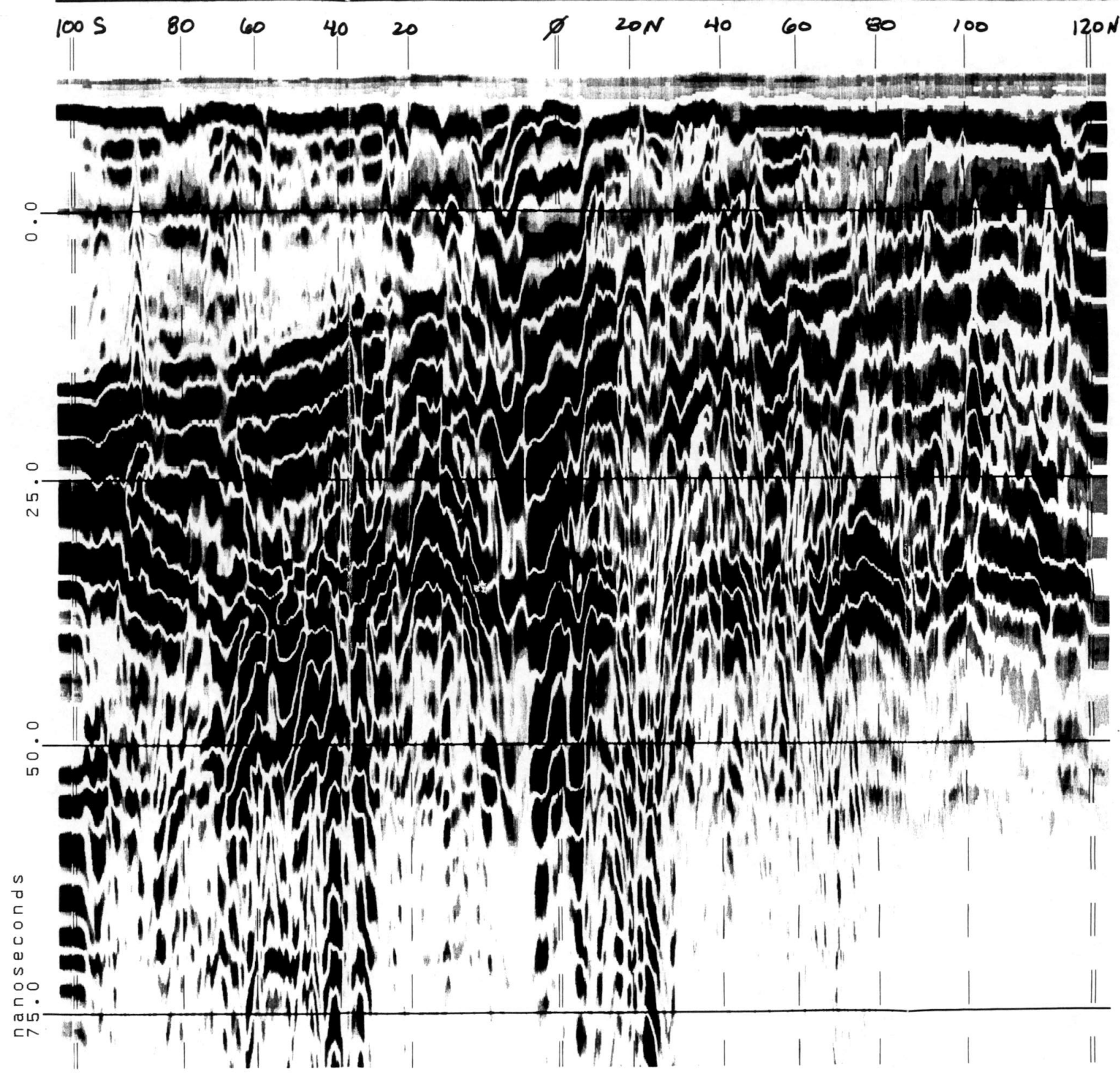
Ft. Monmouth NJ

Main Post Site M14

Line 350 E; Marks at 20' intervals

Start: 100 S End: 120 N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 16 FILE16 Created December 13, 1994 11:25:16

512 samples/scan 25.004 scans/sec  
Position: 0 NS Range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 40 46

Vert. IIR low pass N=2 F=50  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

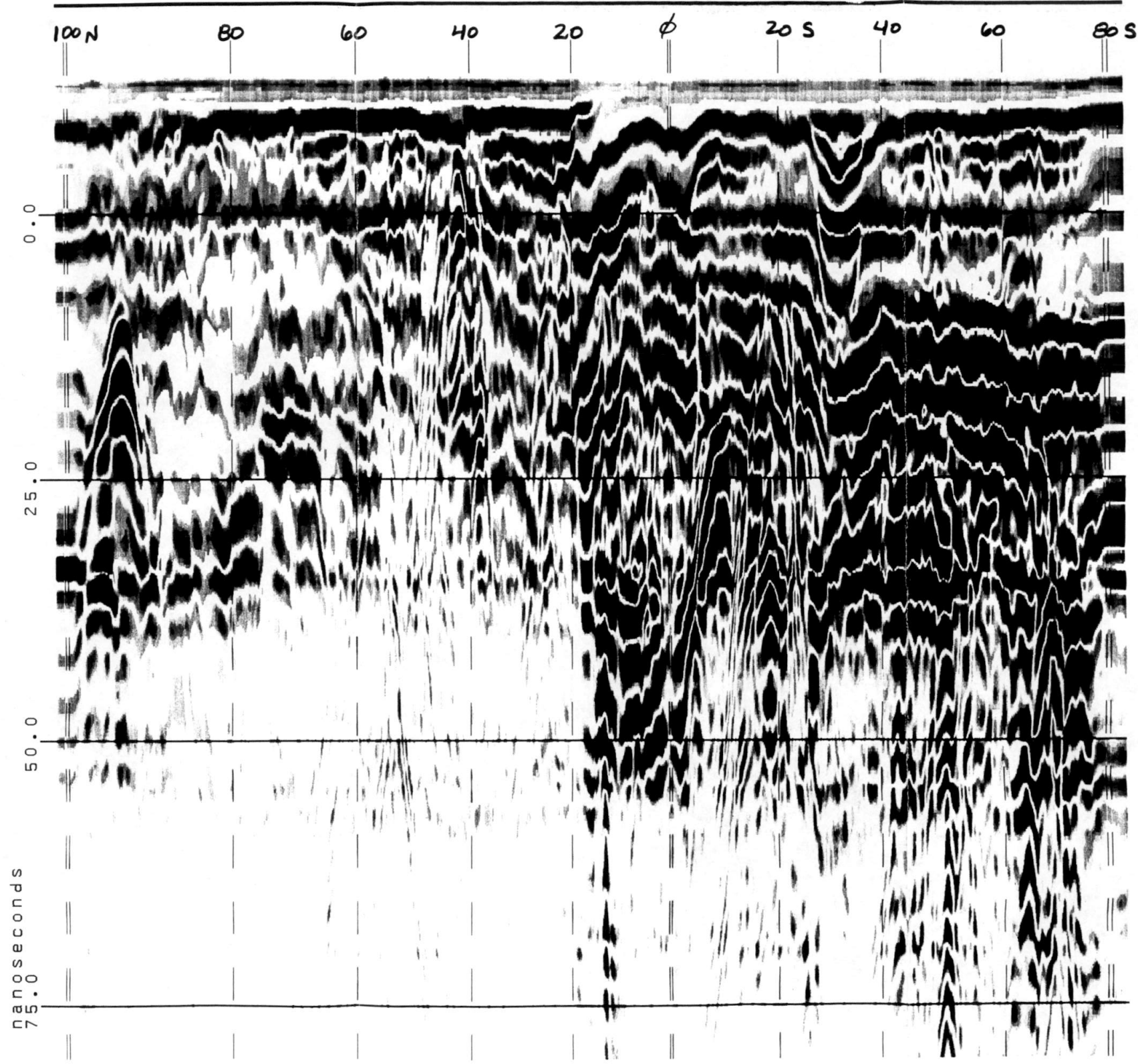
Ft. Monmouth NJ

Main Post Site M14

Line 300 E; Marks at 20' intervals

Start: 100 N End: 80 S

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 17 FILE17 Created December 13, 1994 11:47:48

512 samples/scan 25.004 scans/sec  
Position: 0 NS Range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 40 46

Vert: IIR low pass N=2 F=50  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

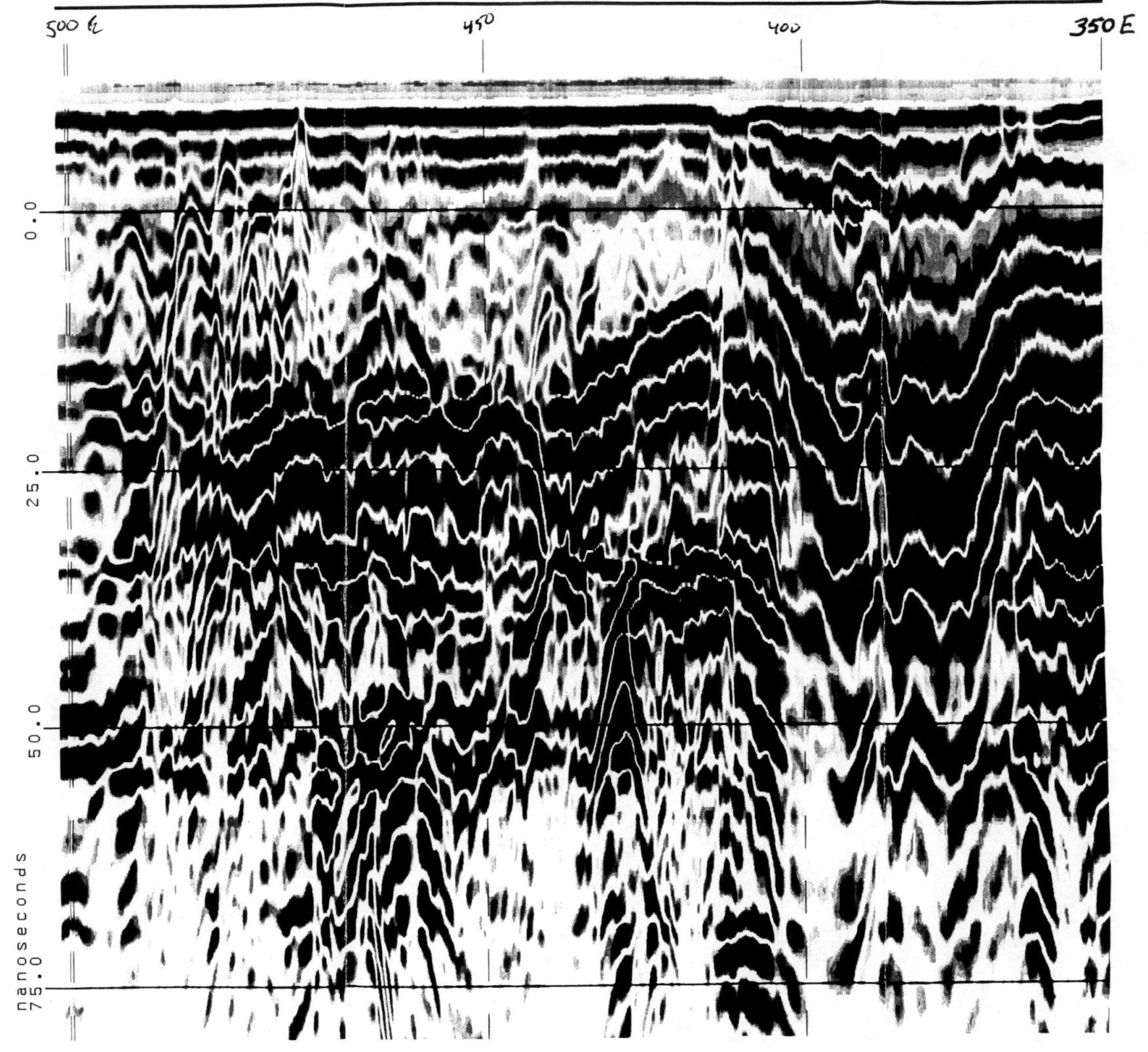
Ft. Monmouth NJ

Main Post Site M14

Line 0 N; Marks at 50' intervals

Start: 500 E End: ~~200~~ 215 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%

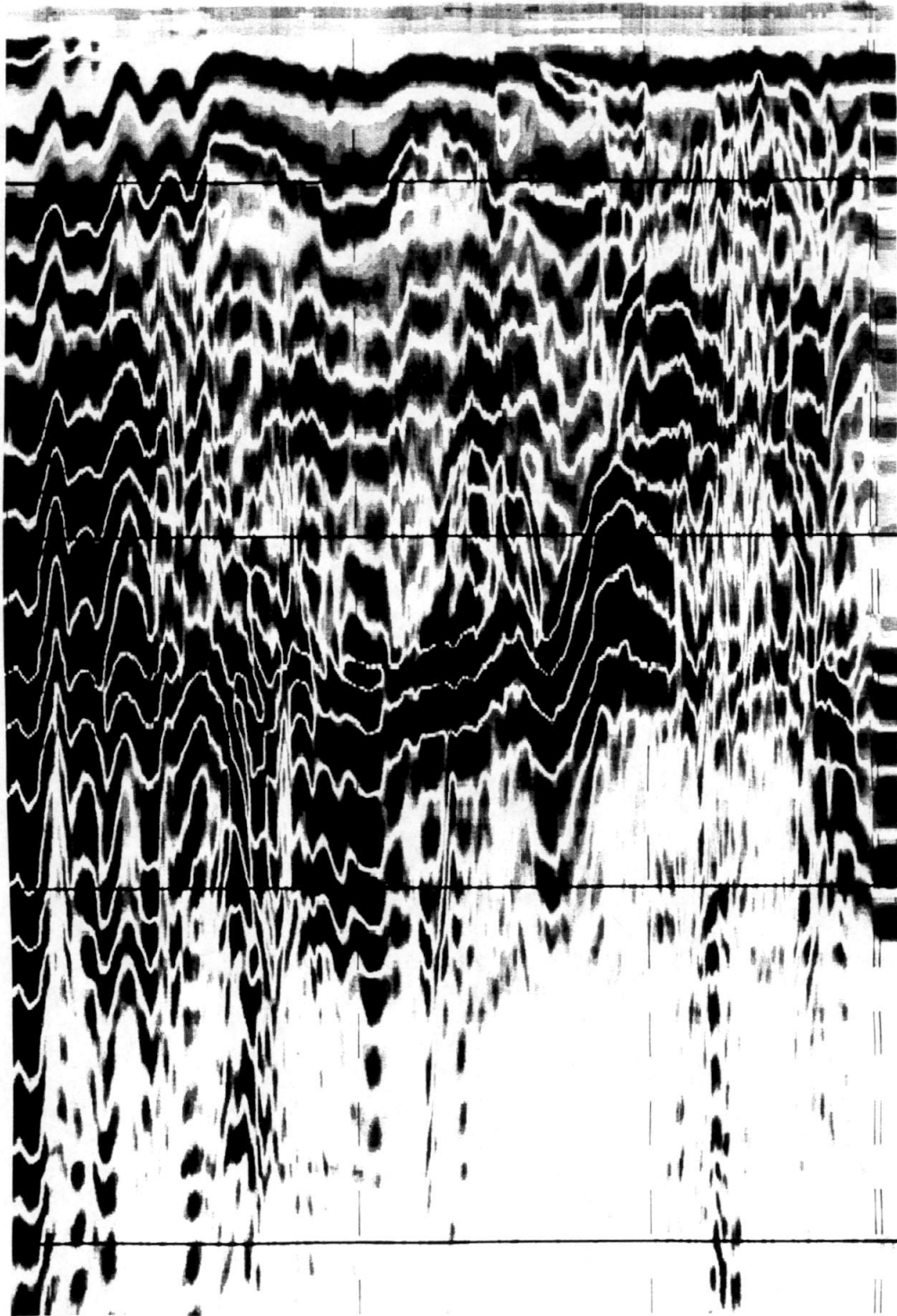


350 E

300

250

215 E



FILE 17 (CONTINUED)



File 18 FILE18 Created December 13, 1994 11:53:32

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 40 46

Vert. IIR low pass N=2 F=50  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

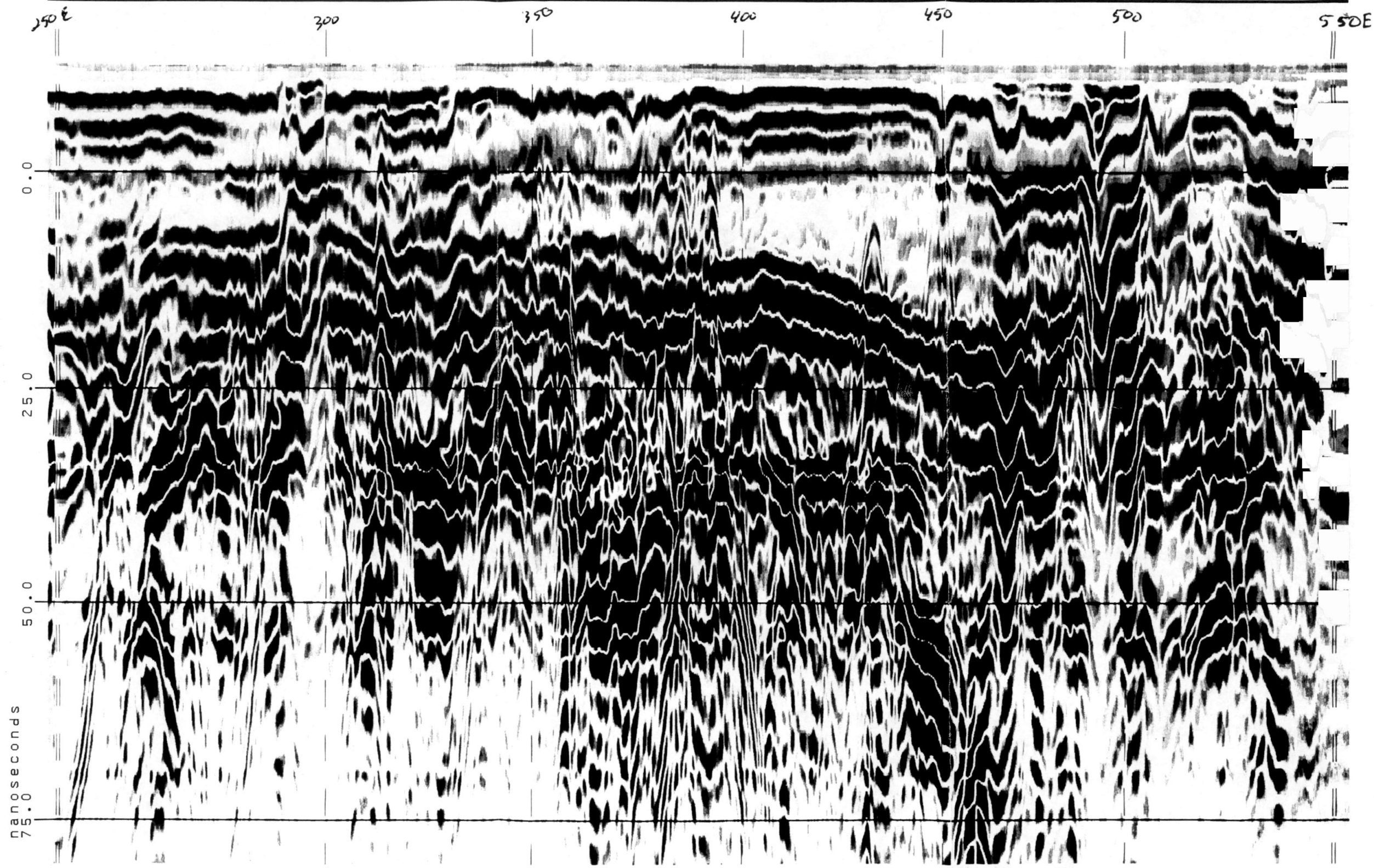
Ft. Monmouth NJ

Main Post Site M14

Line 20 S; Marks at 50' intervals

Start: 250 E End: 550 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 19 FILE19 Created December 13, 1994 11:57:40

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 40 46

Vert. IIR low pass N=2 F=50  
Horiz. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

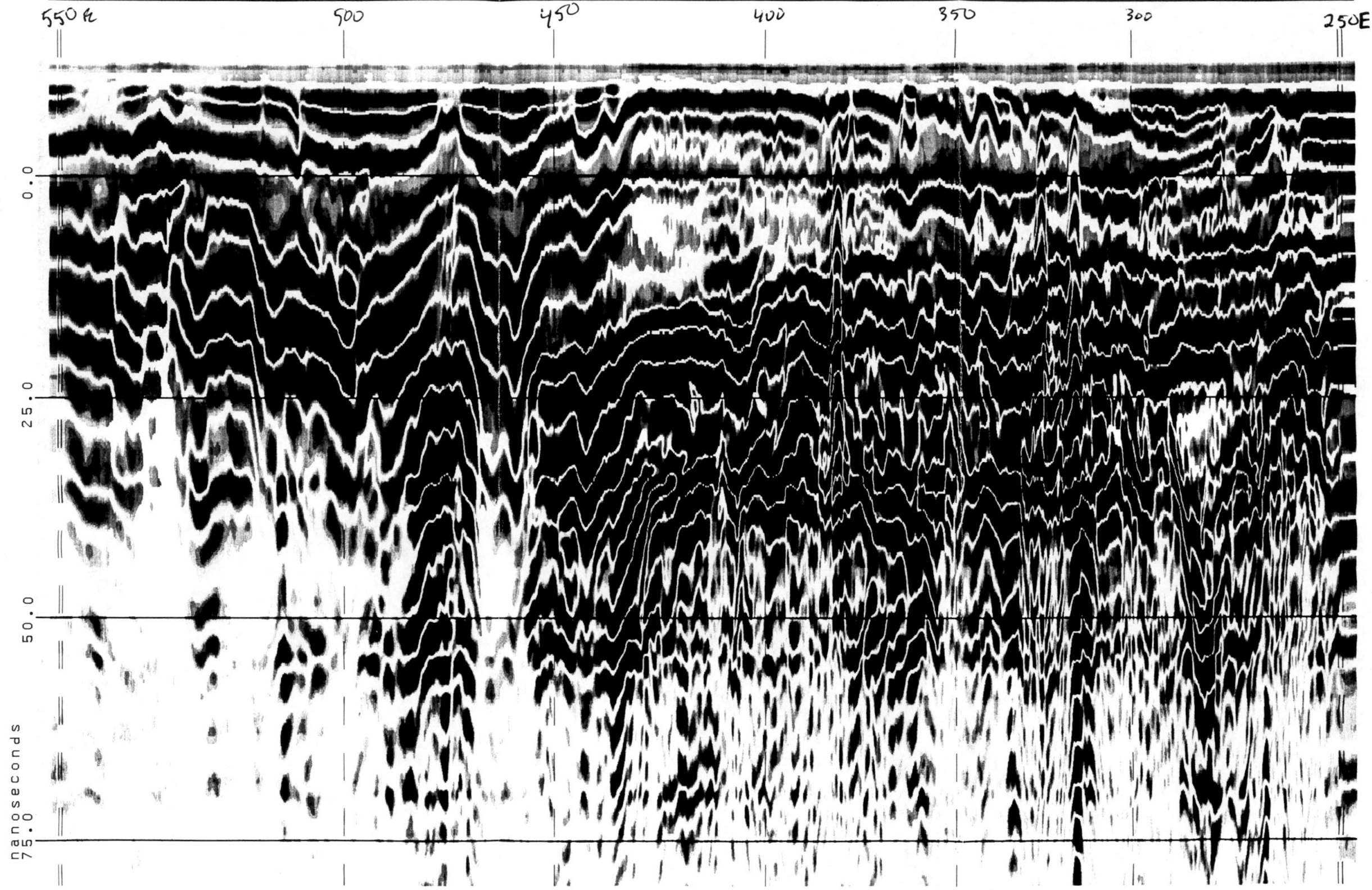
Ft. Monmouth NJ

Main Post Site M14

Line 40 S; Marks at 50' intervals

Start: 550 E End: 250 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 20 FILE20 Created December 13, 1994 12:01:16

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 40 46

Vert: IIR low Pass N=2 F=50  
Vert: IIR high Pass N=2 F=8  
Horiz: IIR stacking TC=4

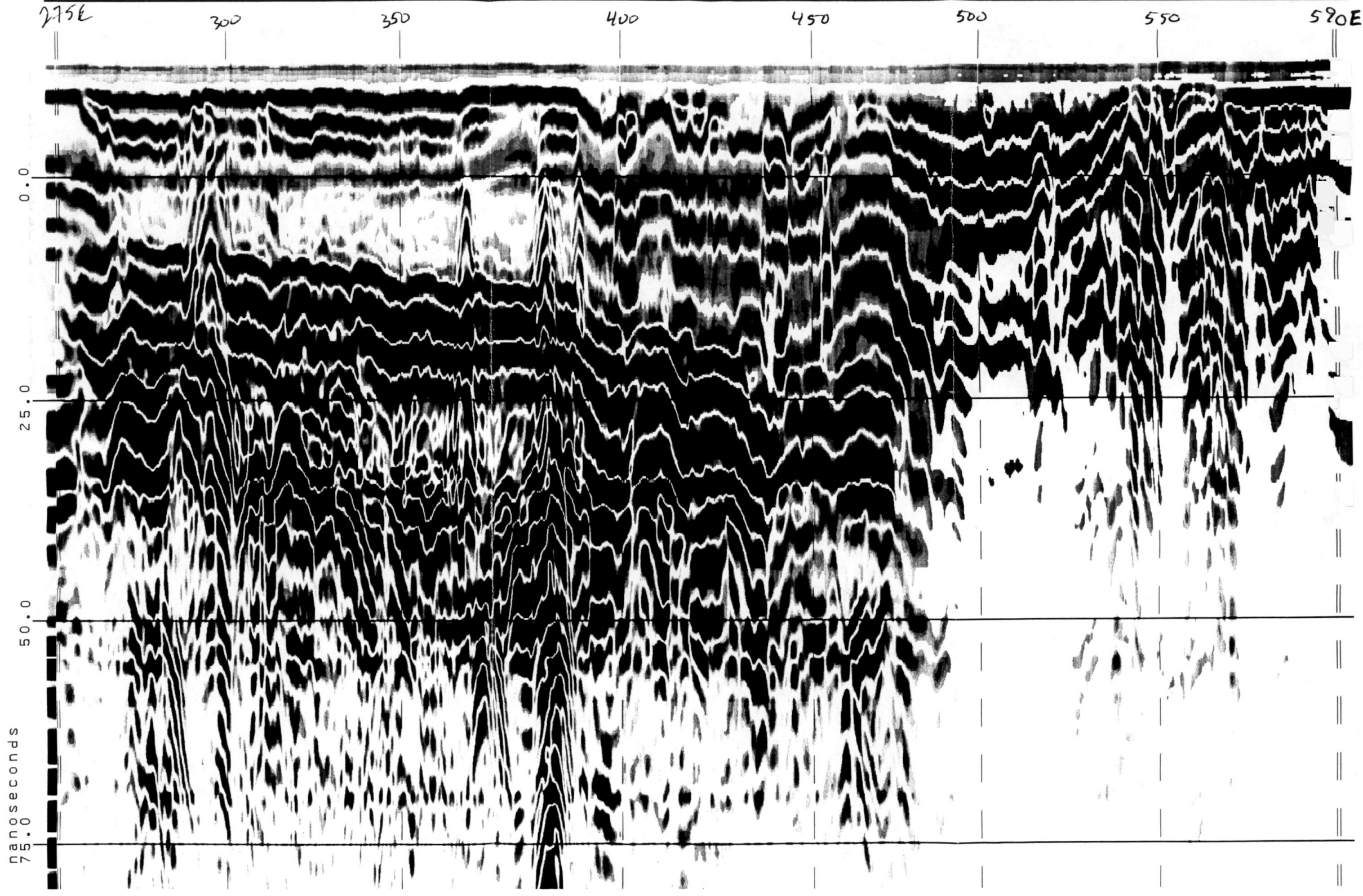
Ft. Monmouth NJ

Main Post Site M14

Line 60 S; Marks at 50' intervals

Start: 275 E End: 550 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 21 FILE21 Created December 13, 1994 12:06:18

512 samples/scan 25.004 scans/sec  
Position: 0 NS Range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 40 46

Vert: IIR low pass N=2 F=50  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

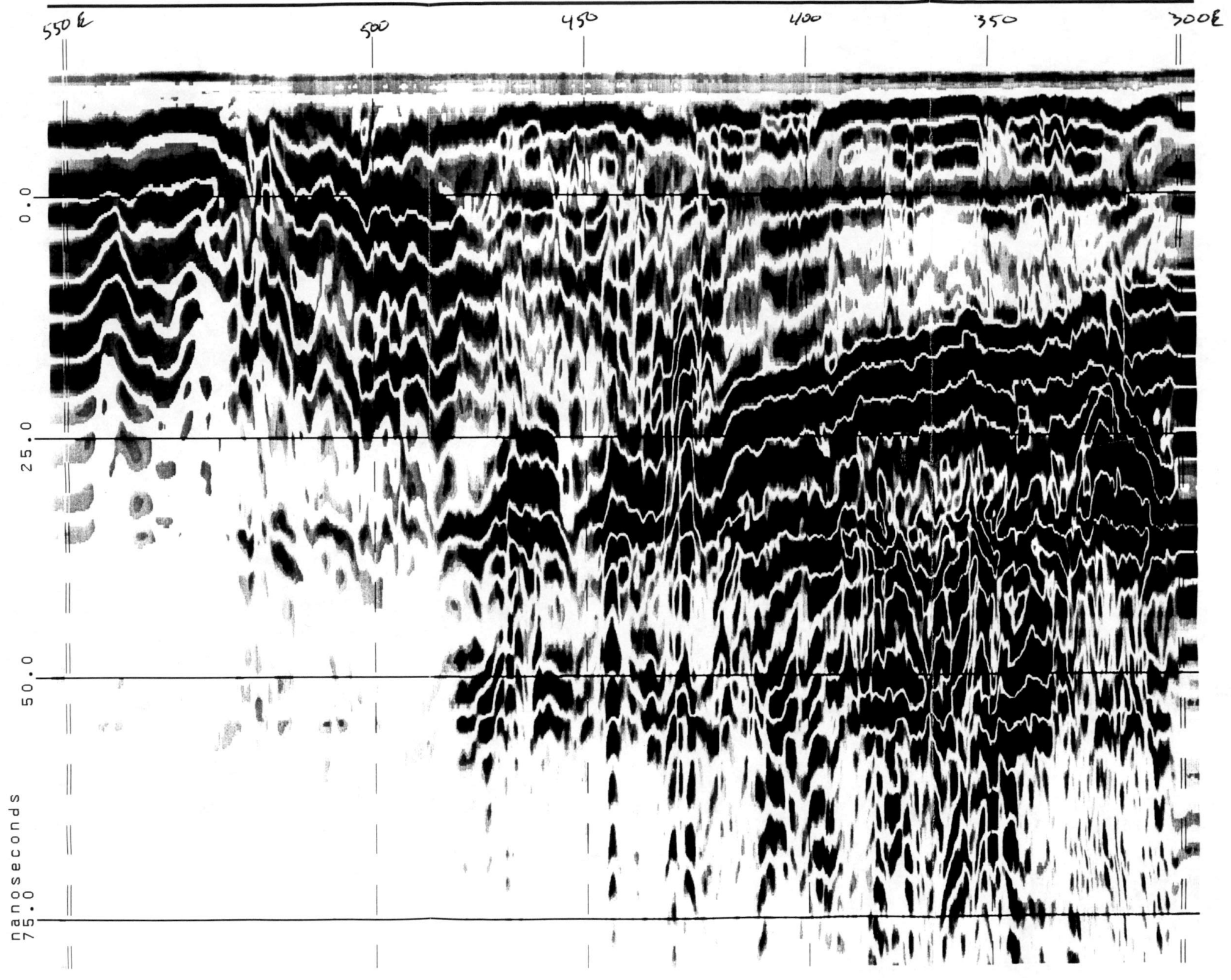
Ft. Monmouth NJ

Main Post Site M14

Line 80 S; Marks at 50' intervals

Start: 550 E End: 300 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 22 FILE22 Created December 13, 1994 12:10:48

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 40 46

Vert. IIR low pass N=2 F=50  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

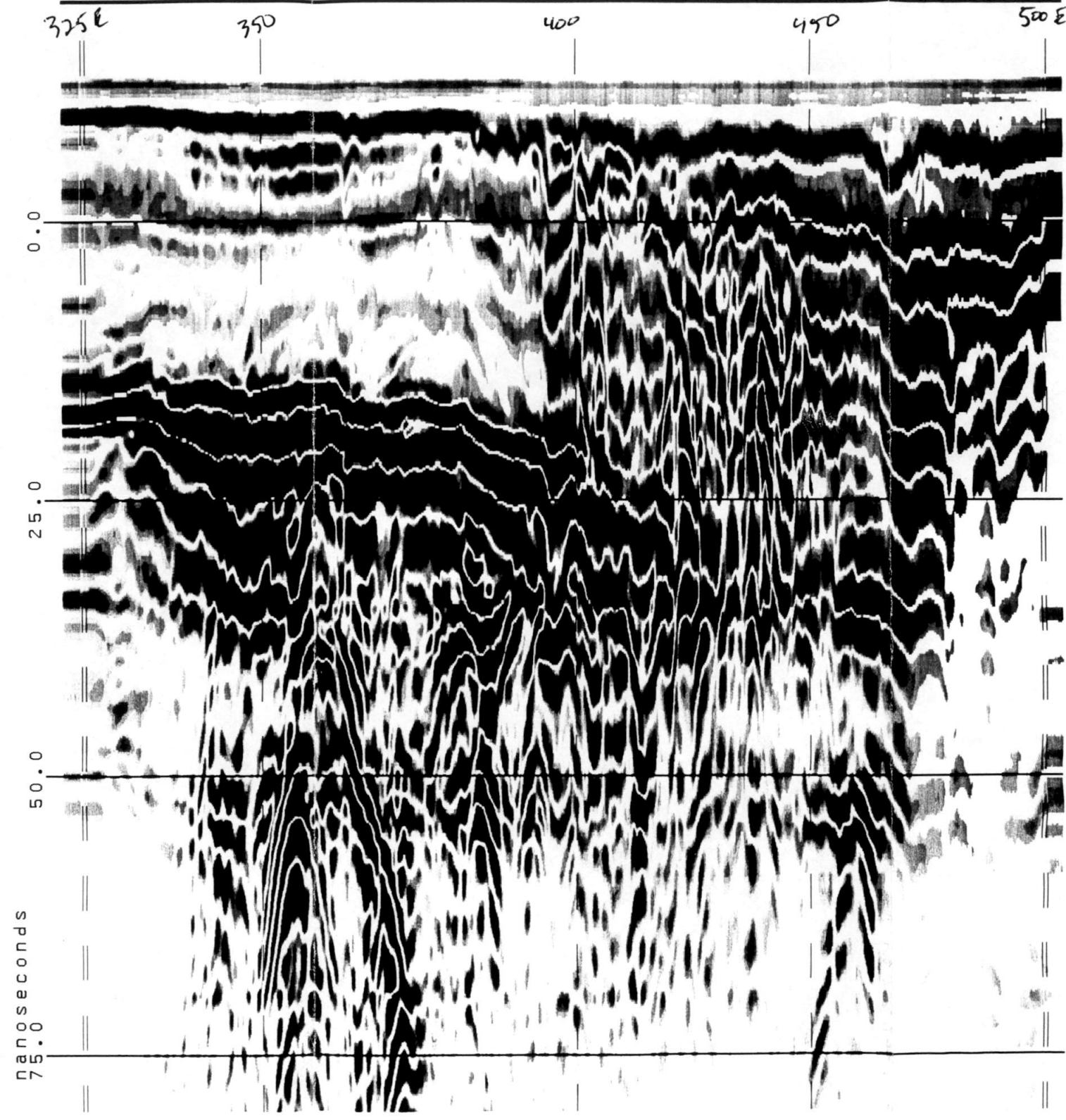
Ft. Monmouth NJ

Main Post Site M14

Line 100 S; Marks at 50' intervals

Start: 325 E End: 500 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 23 FILE23 Created December 13, 1994 14:04:20

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 40 46

Vert: IIR low pass N=2 F=50  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

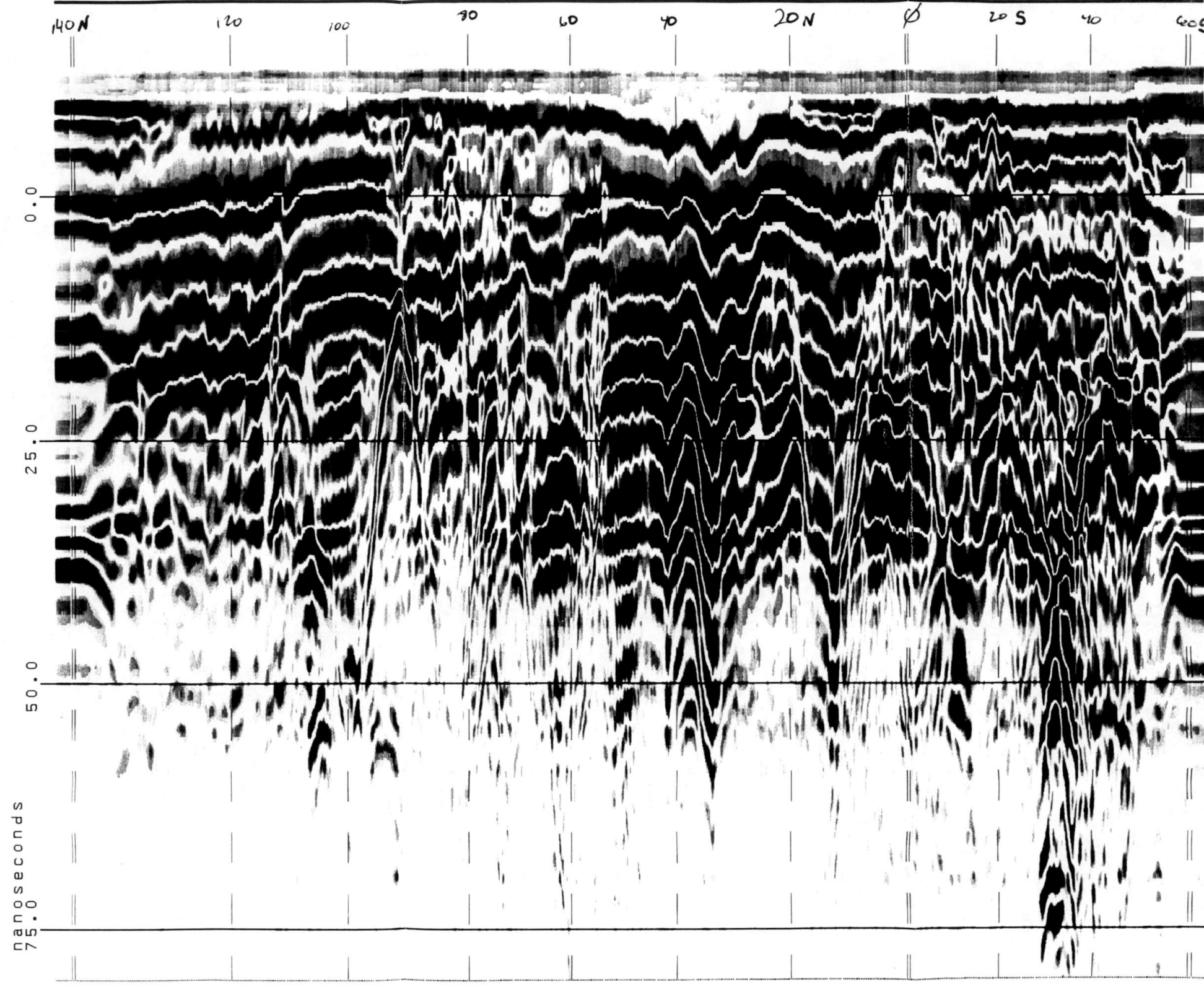
Ft. Monmouth NJ

Main Post Site M14

Line 250 E; Marks at 20' intervals

Start: 140 N End: 60 S

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 24 FILE24 Created December 13, 1994 14:09:26

512 samples/scan 25.004 scans/sec  
Position: 0 nS range: 100 nS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 40 46

Vert: IIR low Pass N=2 F=50  
Vert: IIR high Pass N=2 F=8  
Horiz: IIR stacking TC=4

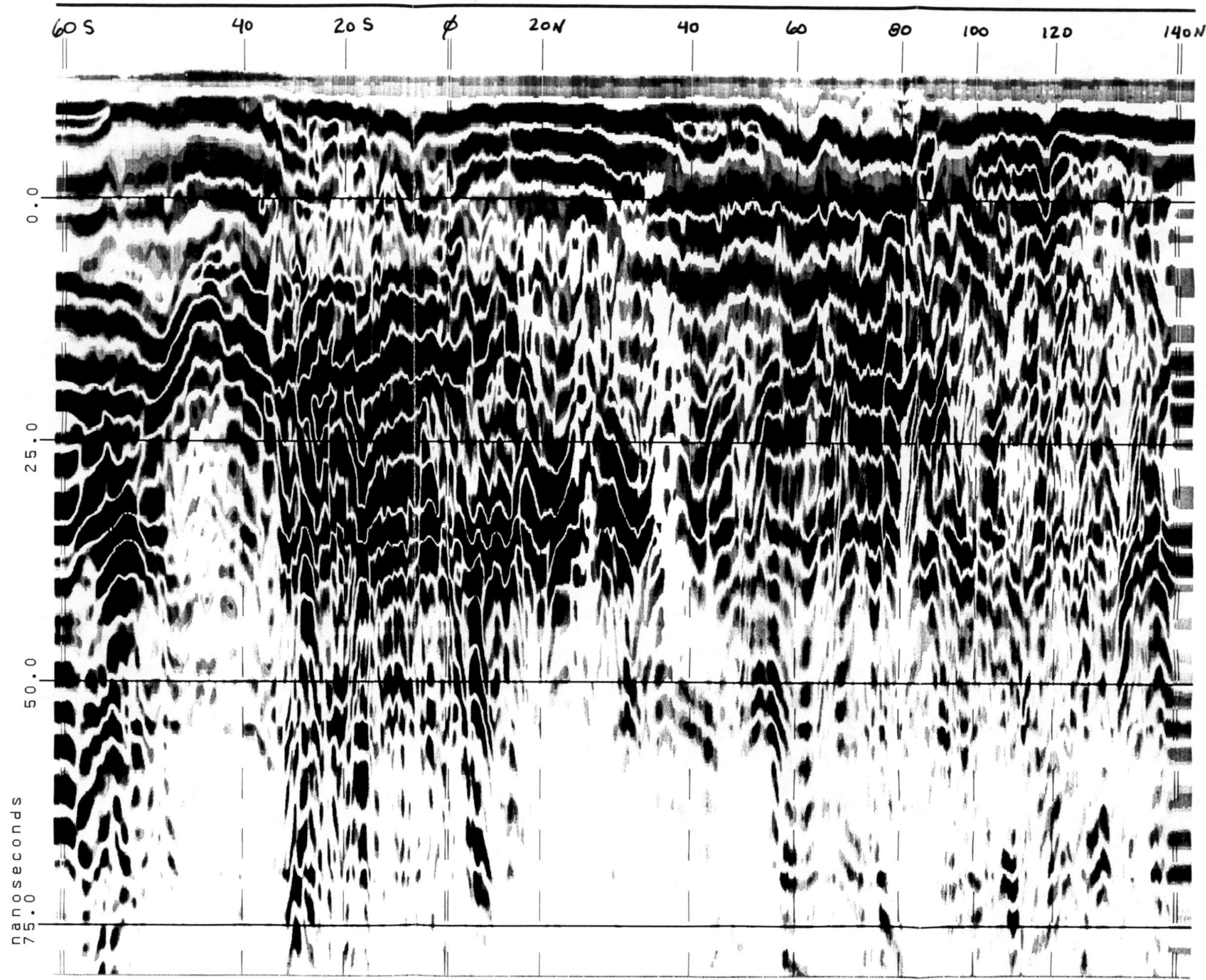
Ft. Monmouth NJ

Main Post Site M14

Line 200 E; Marks at 20' intervals

Start: 60 S End: 140 N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 25 FILE25 Created December 13, 1994 14:13:28

512 samples/scan 25.004 scans/sec  
Position: 0 NS Range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 40 46

Vert. IIR low Pass N=2 F=50  
Vert. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

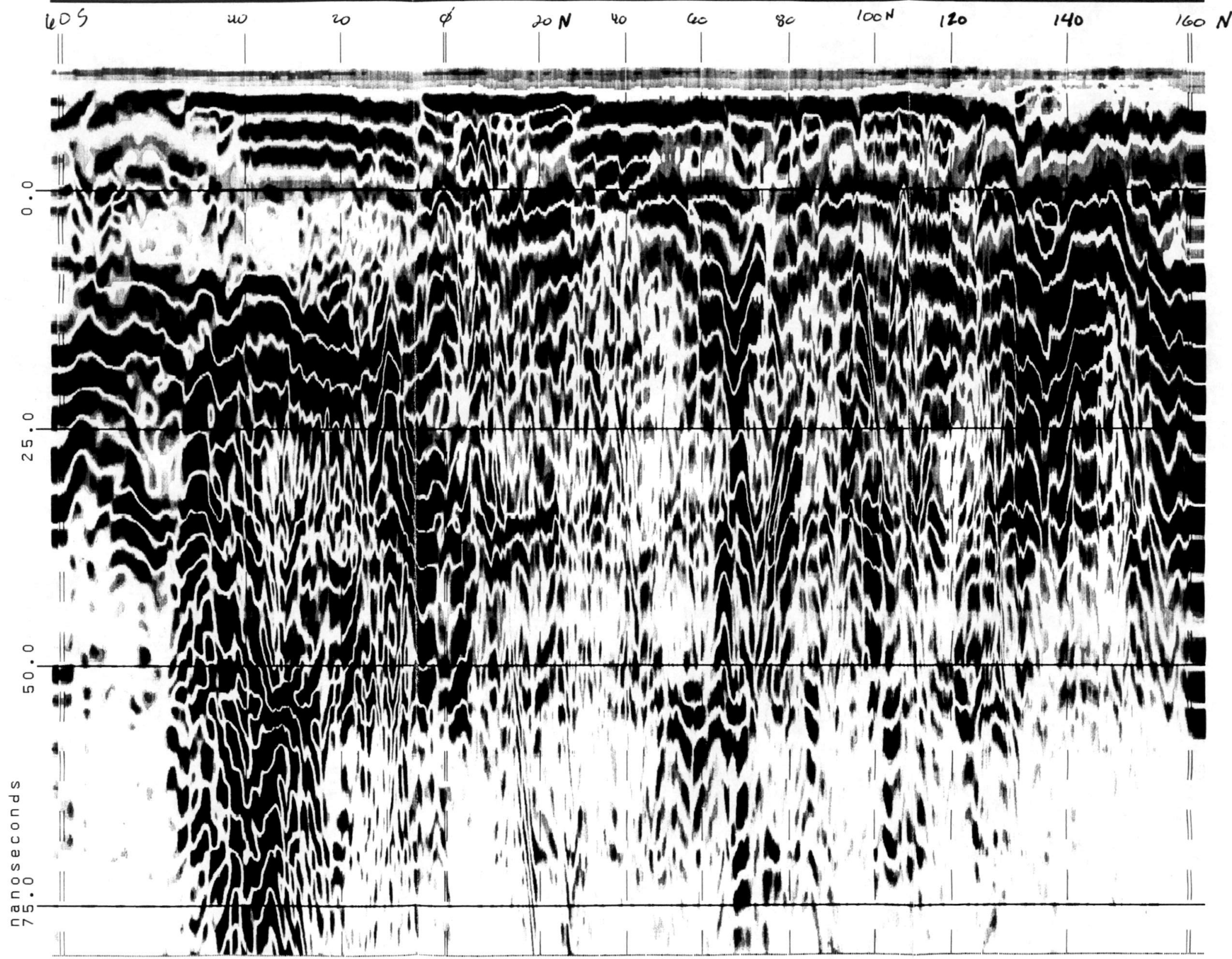
Ft. Monmouth NJ

Main Post Site M14

Line 150 E; Marks at 20' intervals

Start: 60 S End: ~~140~~ N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 26 FILE26 Created December 13, 1994 14:18:42

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 40 46

Vert: IIR low pass N=2 F=50  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

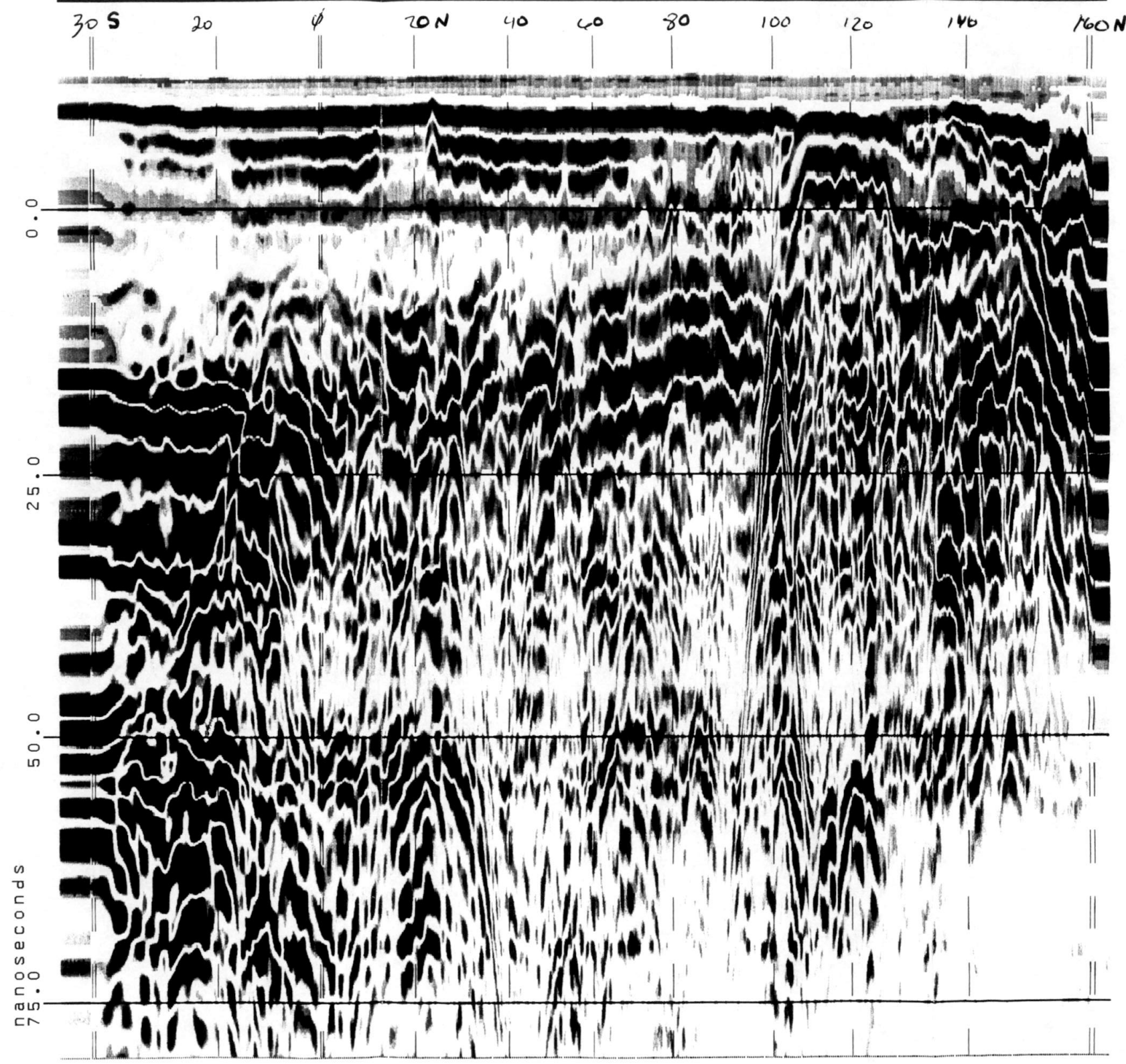
Ft. Monmouth NJ

Main Post Site M14

Line 100 E; Marks at 20' intervals

Start: 30 S End: ~~140~~ 160 N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 27 FILE27 Created December 13, 1994 14:22:34

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 40 46

Vert: IIR low pass N=2 F=50  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

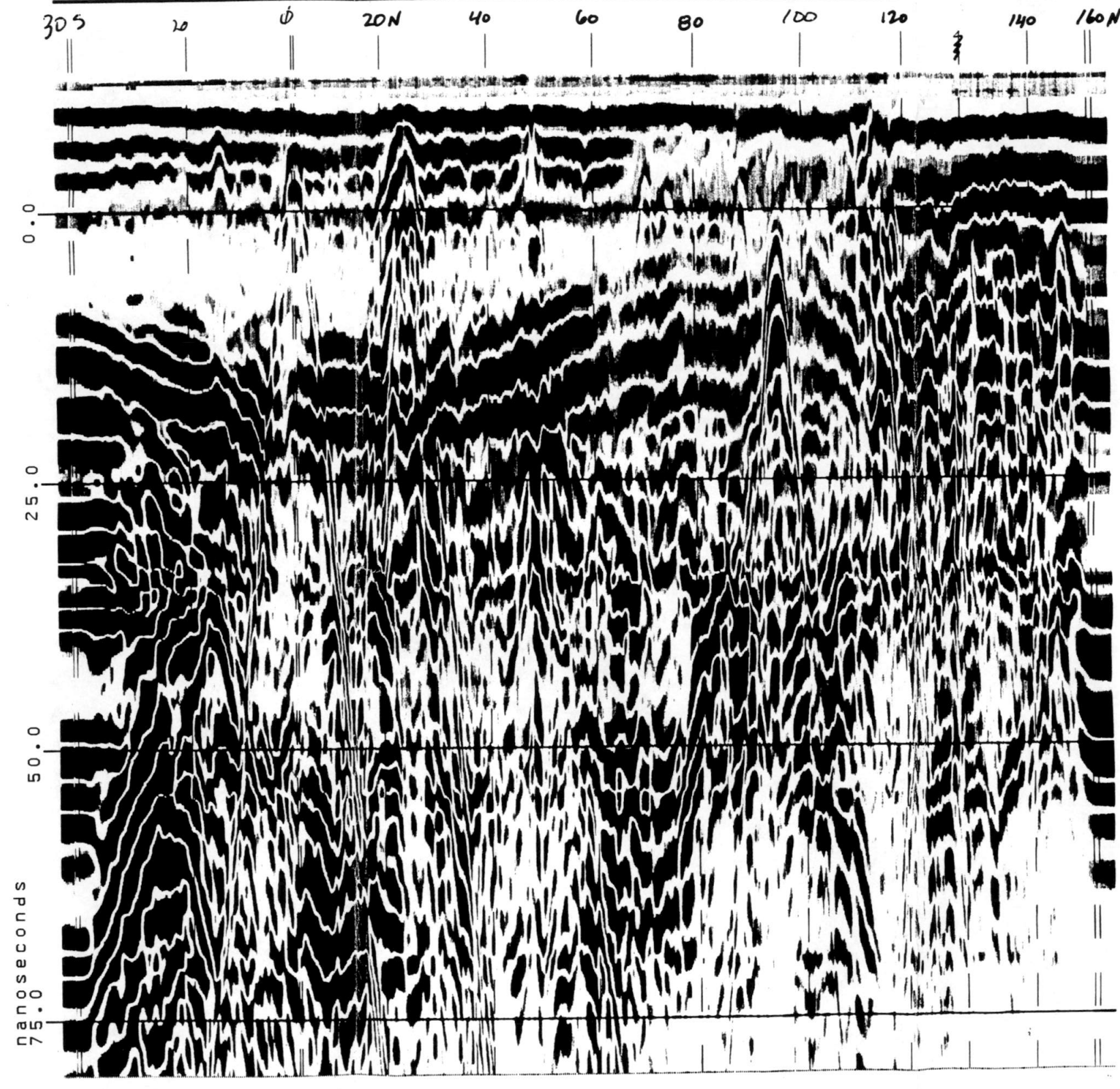
Ft. Monmouth NJ

Main Post Site M14

Line 50 E; Marks at 20' intervals

Start: 30 S End: 140 N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 28 FILE28 Created December 13, 1994 14:29:56

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 40 46

Vert. IIR low pass N=2 F=50  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

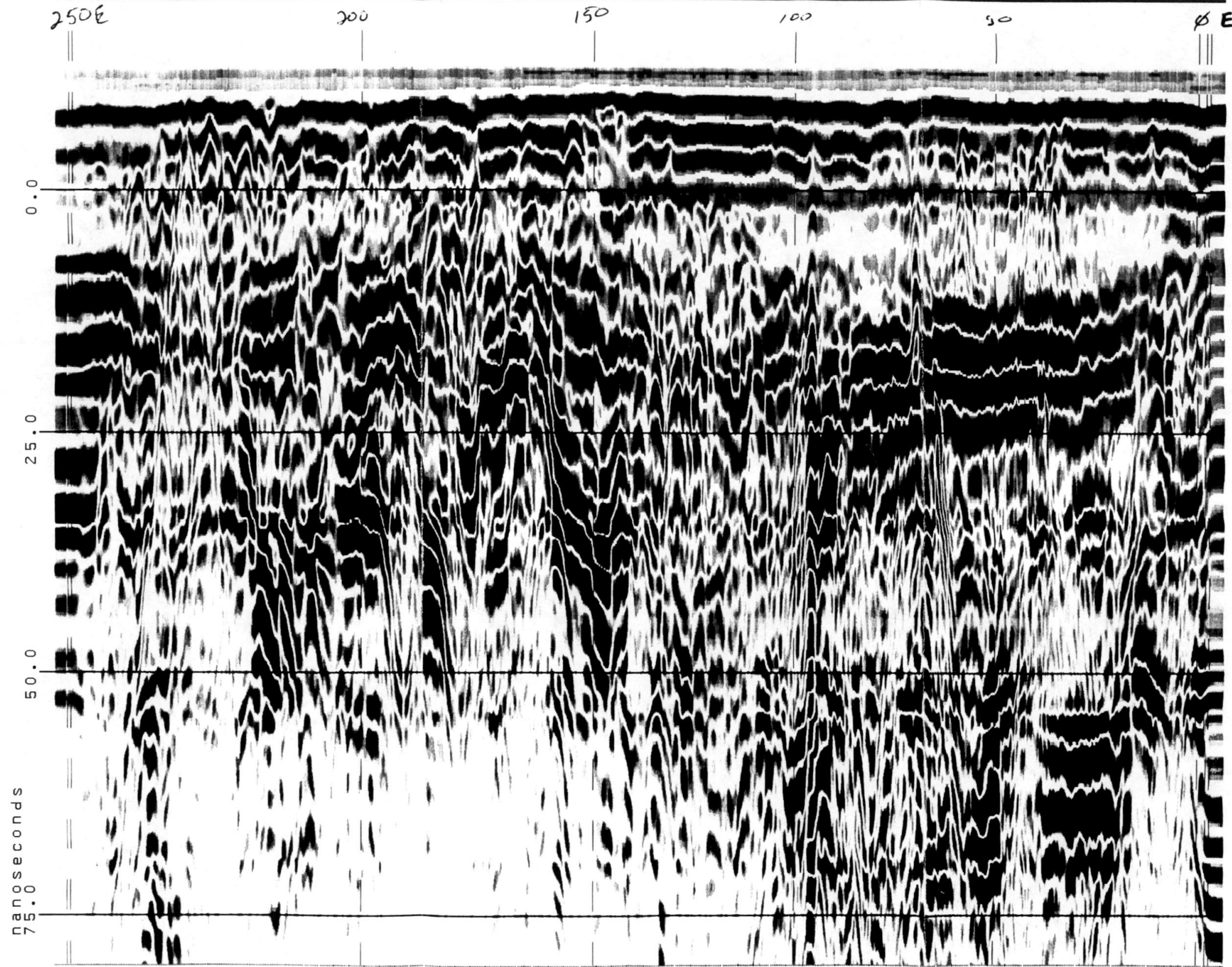
Ft. Monmouth NJ

Main Post Site M14

Line 0 N; Marks at 20' intervals

Start: 250 E End: 0 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 29 FILE29 Created December 13, 1994 14:36:52

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 40 46

Vert: IIR low pass N=2 F=50  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

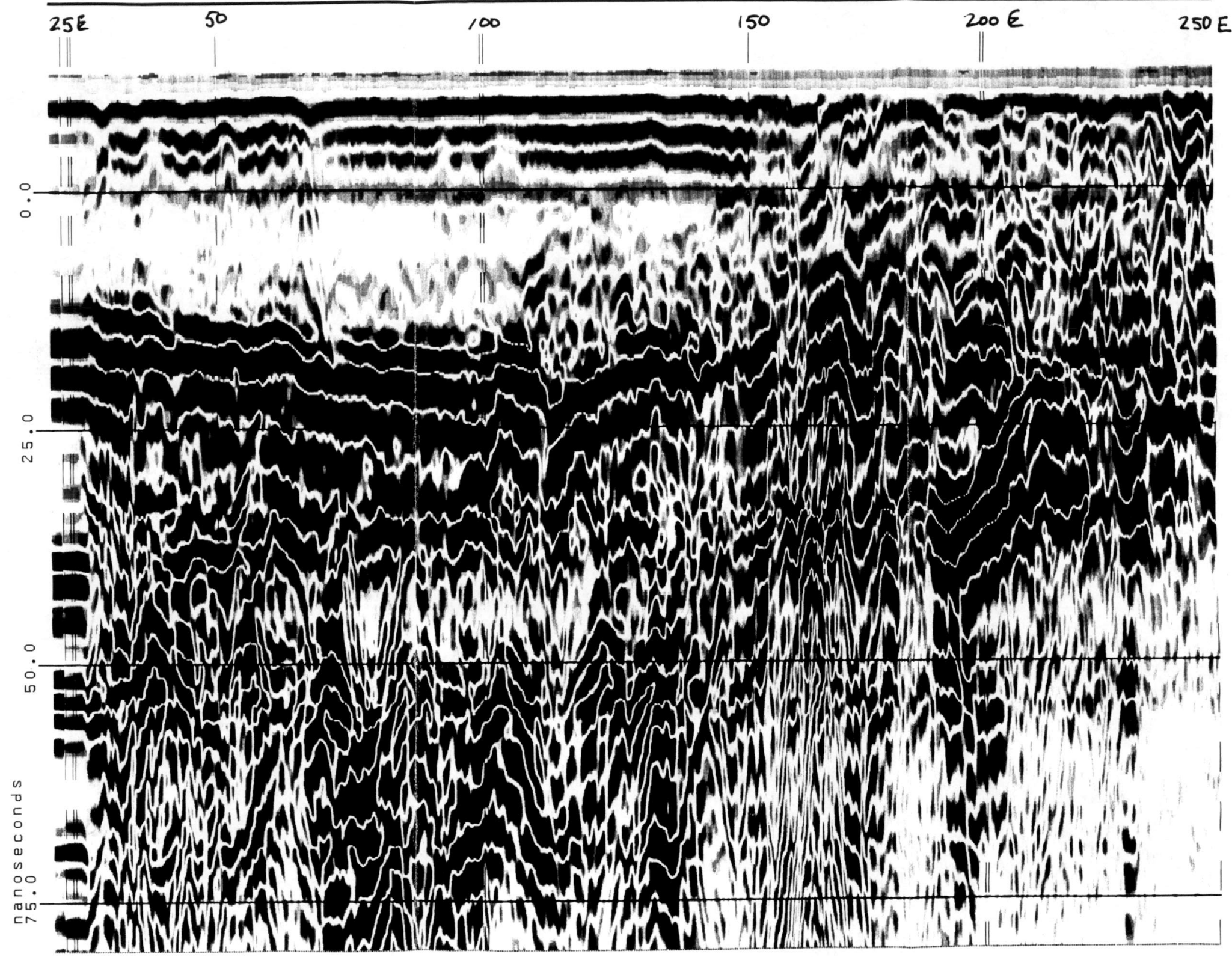
Ft. Monmouth NJ

Main Post Site M14

Line 20 S; Marks at 50' intervals

Start: 25 E End: 300 E

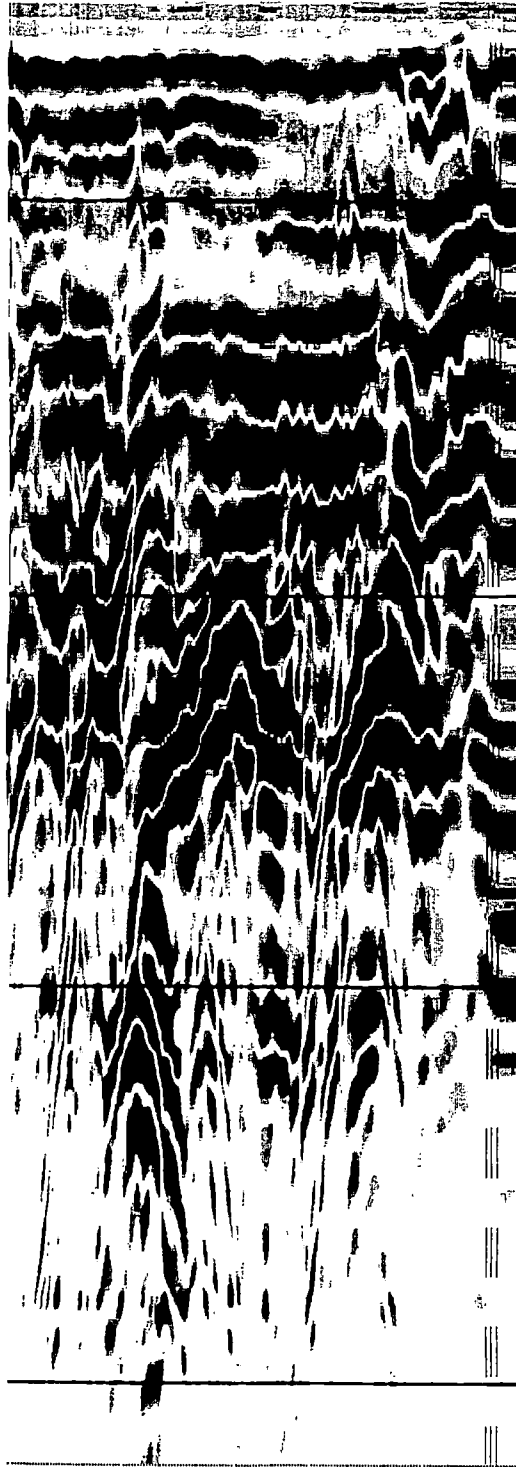
Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



250 E

300 E

FILE 29 (CONTINUED)





File 30 FILE30 Created December 13, 1994 14:43:40

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 40 46

Vert. IIR low Pass N=2 F=50  
Vert. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

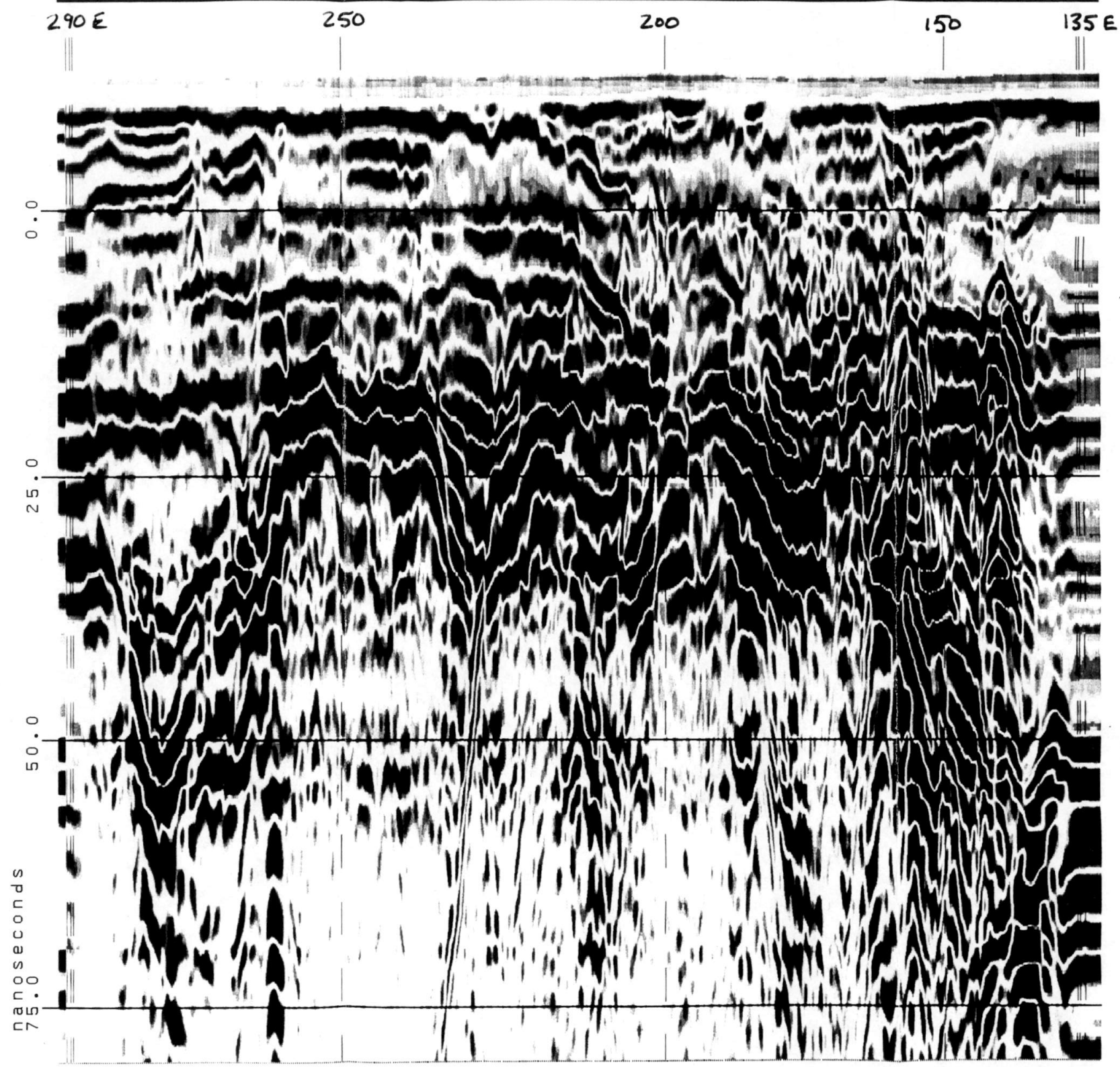
Ft. Monmouth NJ

Main Post Site M14

Line 40 S; Marks at 20' intervals

Start: 290 E End: 135 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 31 FILE31 Created December 13, 1994 14:50:58

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 40 46

Vert: IIR low Pass N=2 F=50  
Vert: IIR high Pass N=2 F=8  
Horiz: IIR stacking TC=4

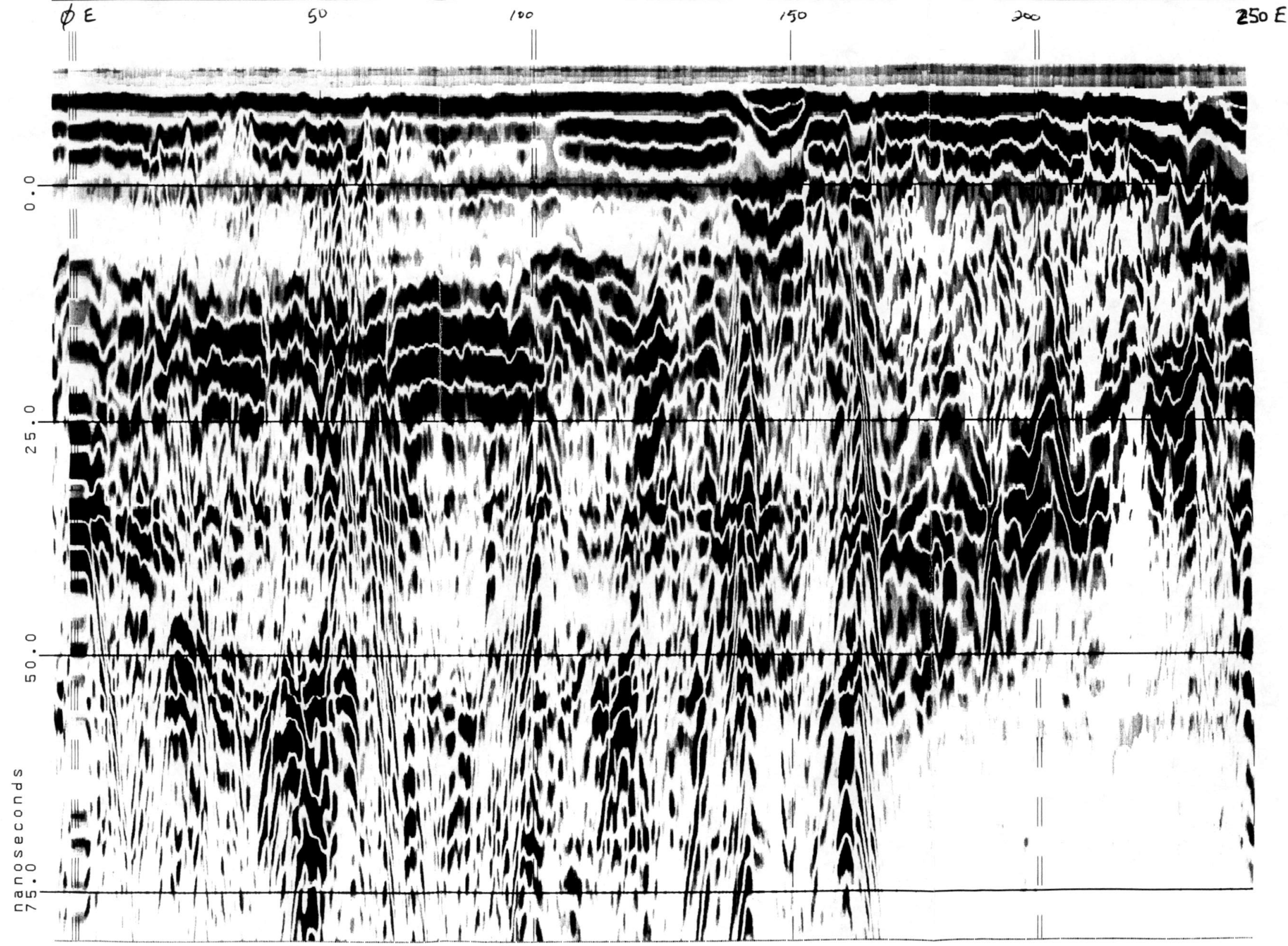
Ft. Monmouth NJ

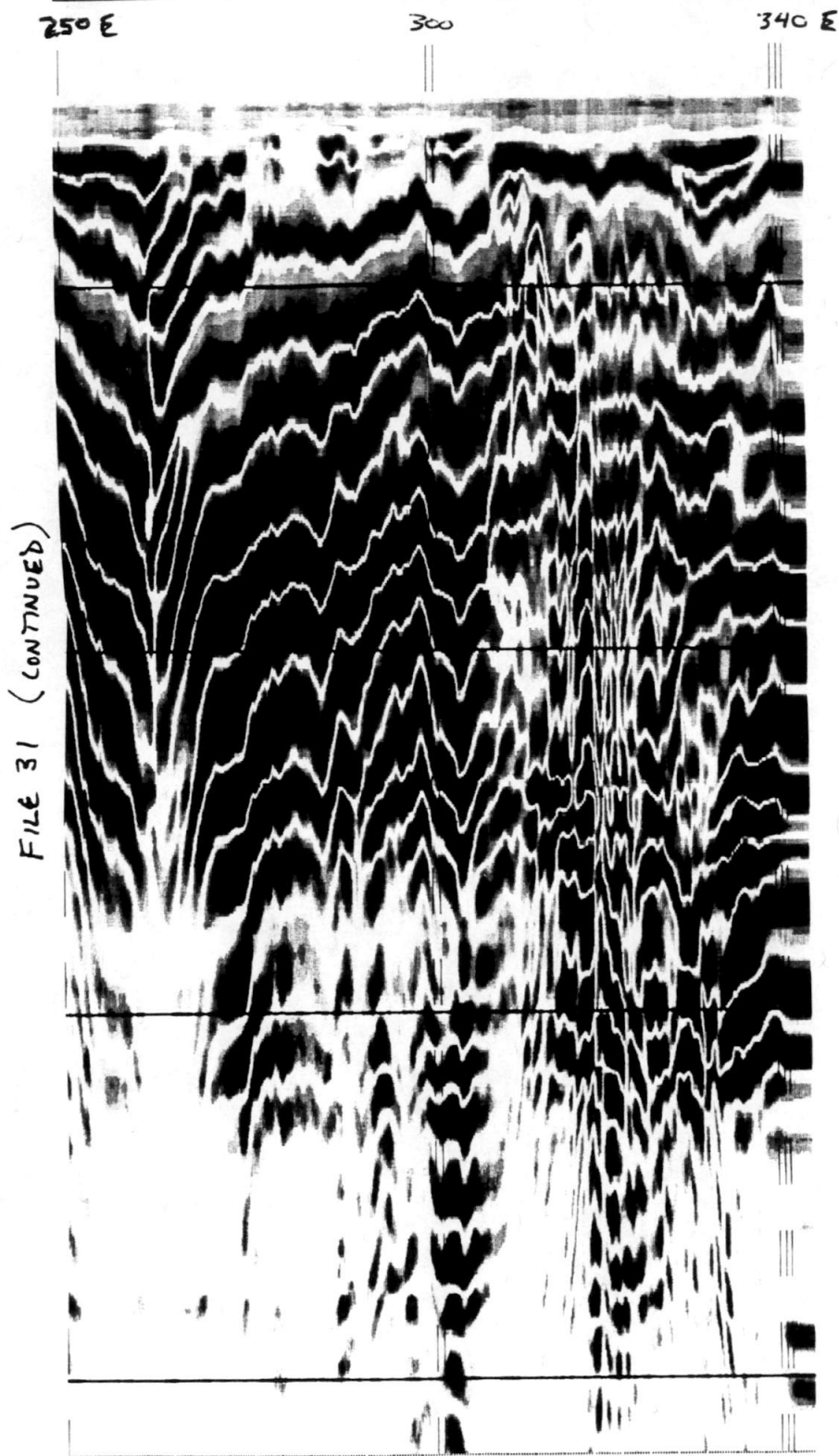
Main Post Site M14

Line 20 N: Marks at 20' intervals

Start: 0 E End: 350 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%







File 32 FILE32 Created December 13, 1994 14:59:00

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 40 46

Vert: IIR low Pass N=2 F=50  
Vert: IIR high Pass N=2 F=8  
Horiz: IIR stacking TC=4

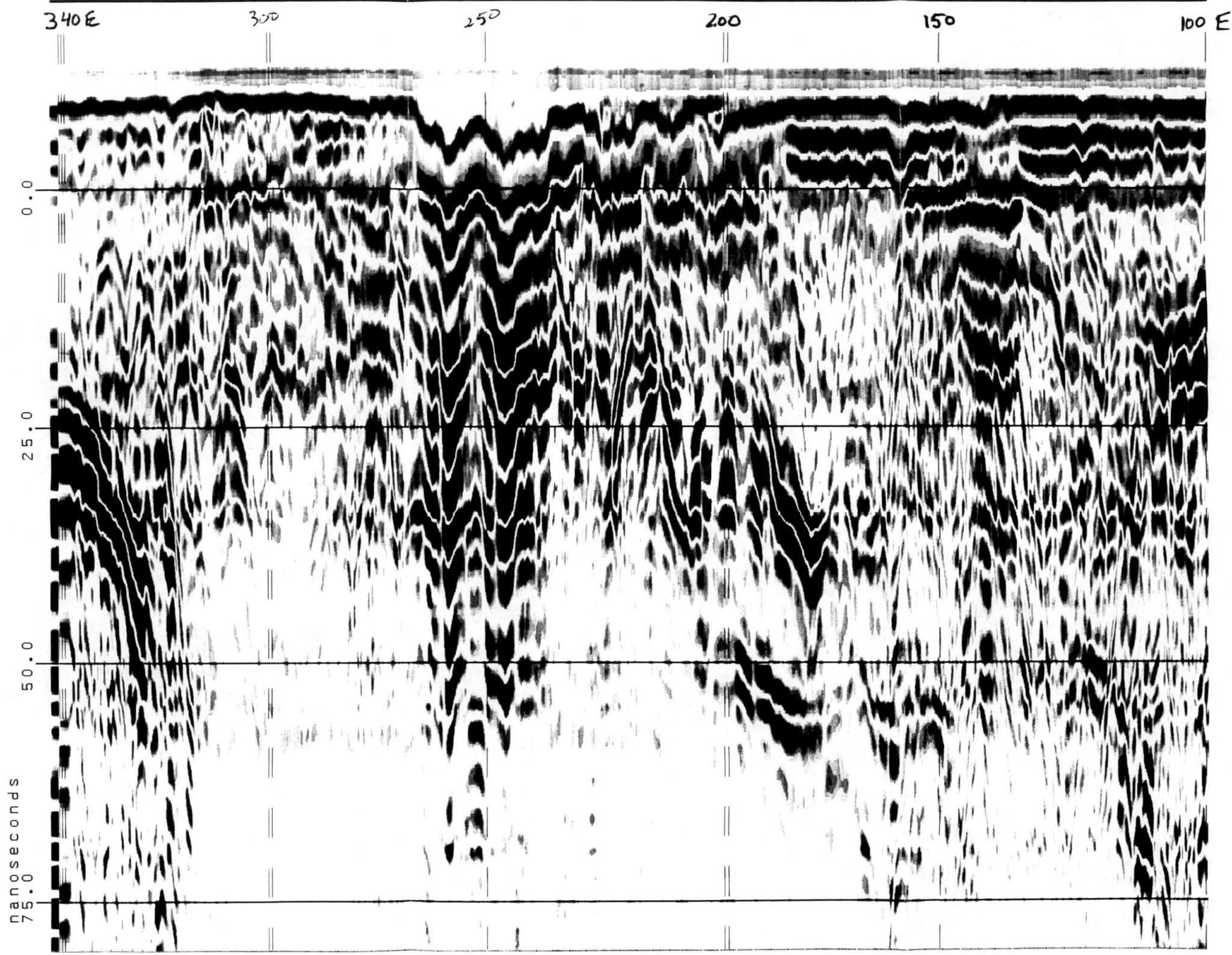
Ft. Monmouth NJ

Main Post Site M14

Line 40 N; Marks at 20' intervals

Start: 340 E End: 0 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%

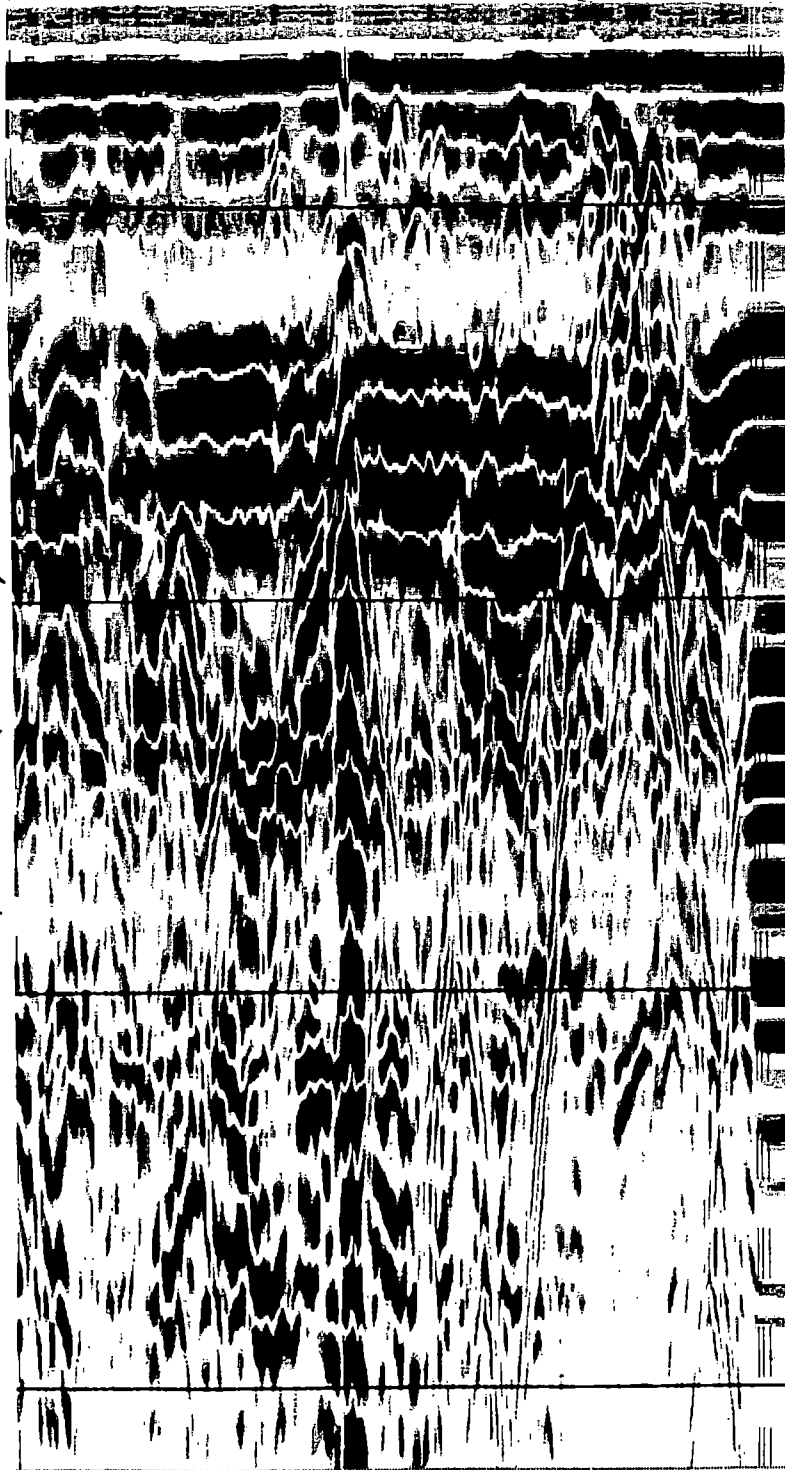


100E

50 E

0E

FILE 32 (CONTINUED)



File 33 FILE33 Created December 13, 1994 15:05:12

512 samples/scan 25.004 scans/sec  
Position: 0 NS Range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 8 28 40 46

Vert. IIR low pass N=2 F=50  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

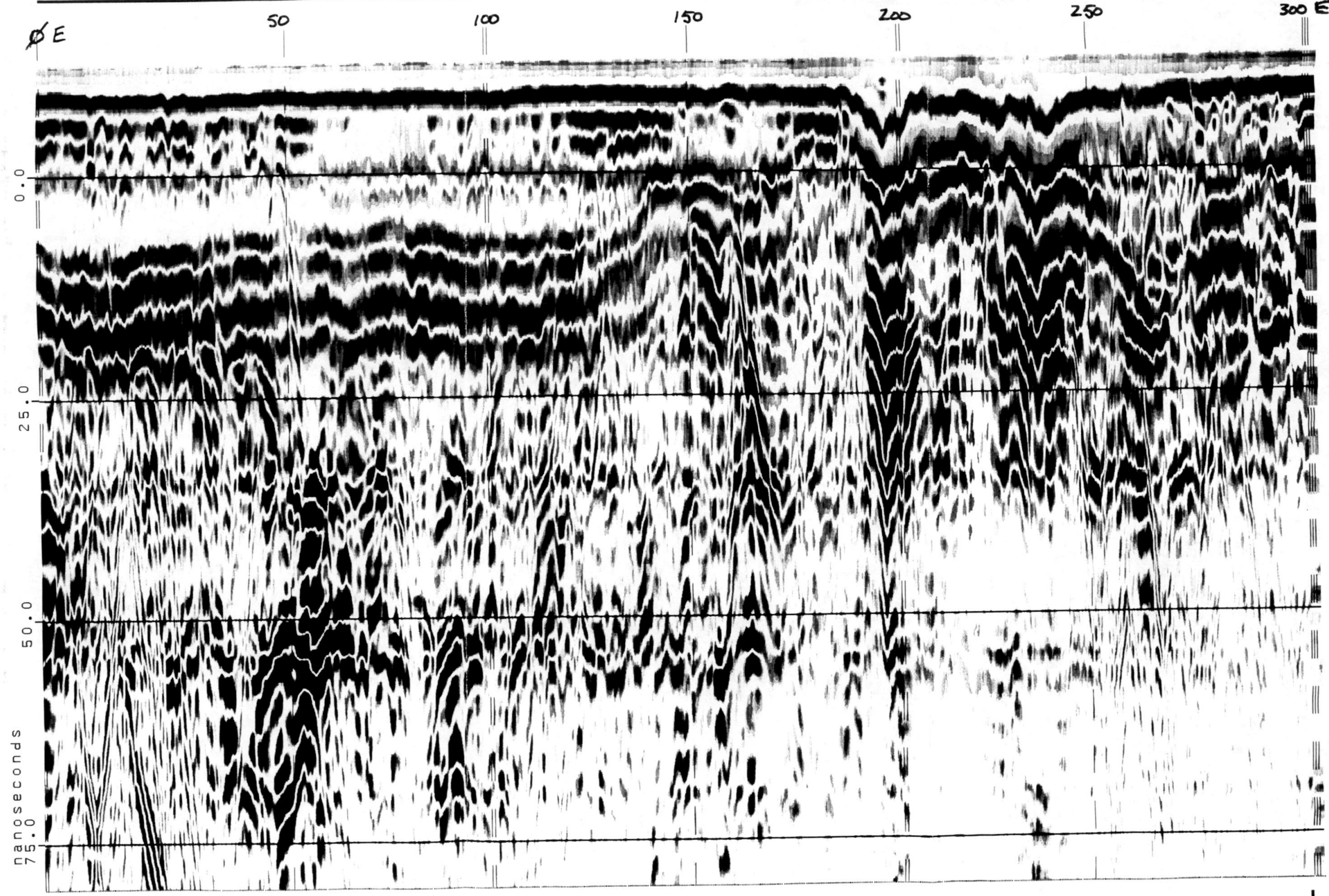
Ft. Monmouth NJ

Main Post Site M14

Line 60 N; Marks at 50' intervals

Start: 0 E End: 300 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



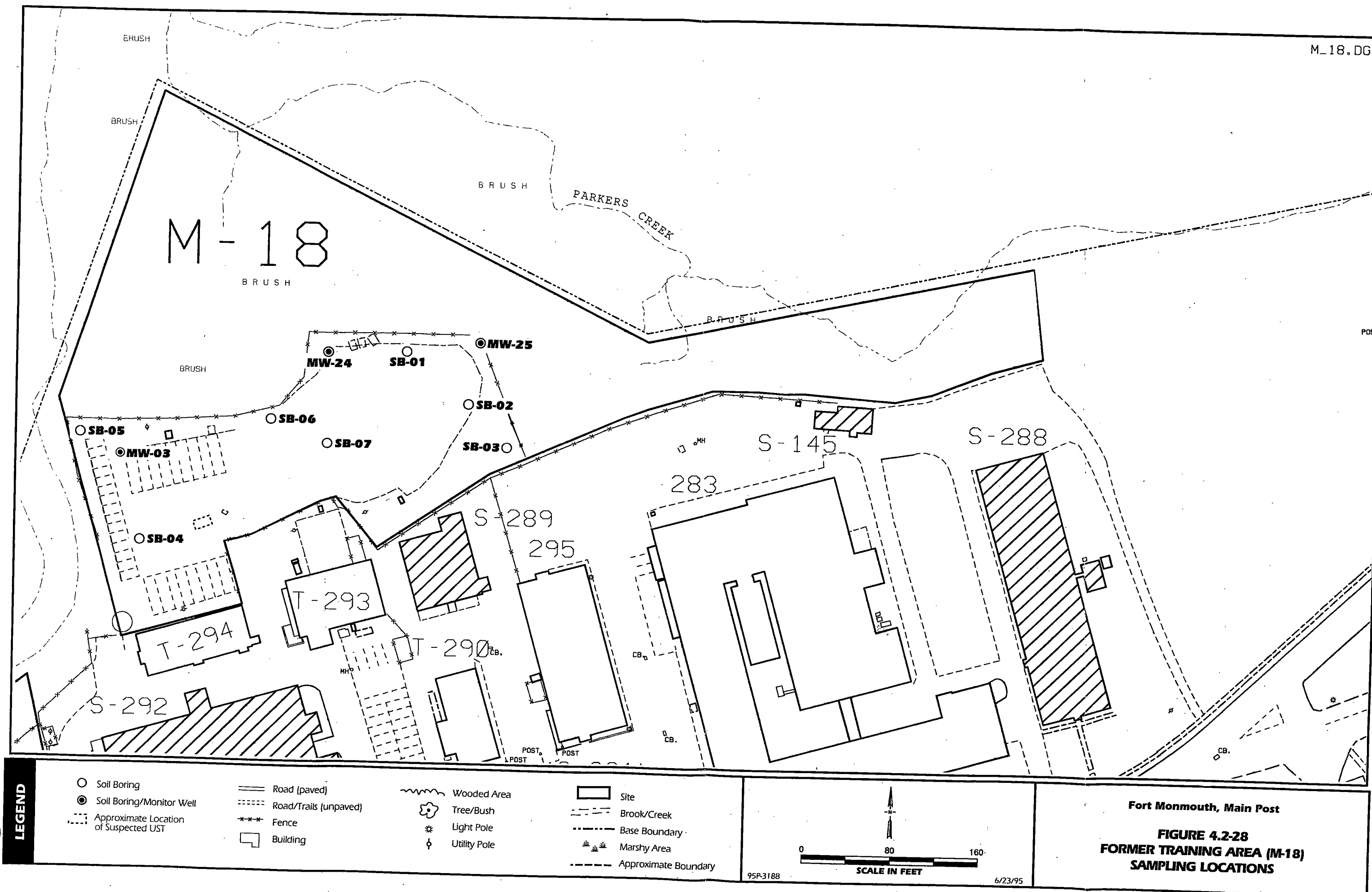


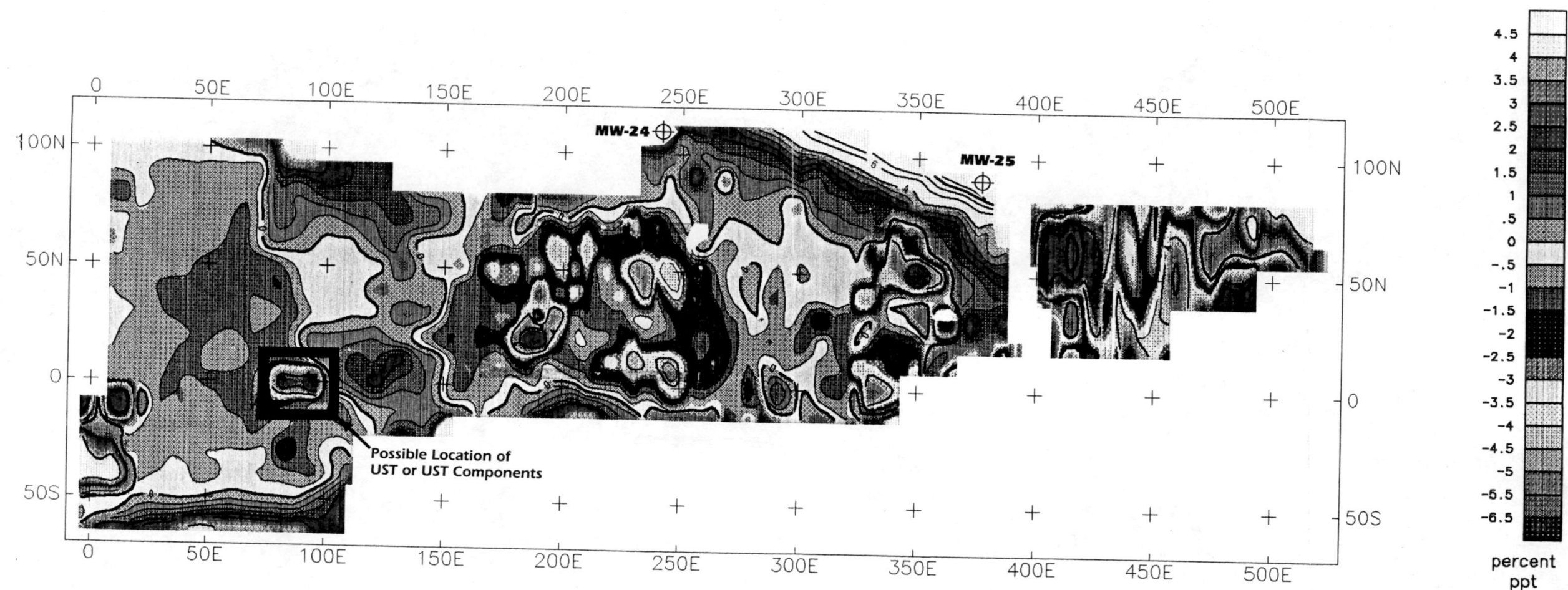


**SITE M-18**

**GROUND PENETRATING RADAR PROFILES**

Note: GPR grid coordinates are referenced to the electromagnetic survey grid coordinates as depicted on Figures 4.2-29 and 4.2-30 of the WESTON Final Site Investigation Report, December 1995.



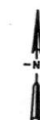


95P-3242 6/27/95

LEGEND



Monitor Well



Fort Monmouth, Main Post Site M-18

**FIGURE 4.2-30**  
**ELECTROMAGNETIC SURVEY**  
**IN PHASE COMPONENT - SITE M-18**



File 2 FILE2 Created November 30, 1994 11:34:20

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 5 7 21 34 46

Vert: IIR low pass N=2 F=38  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

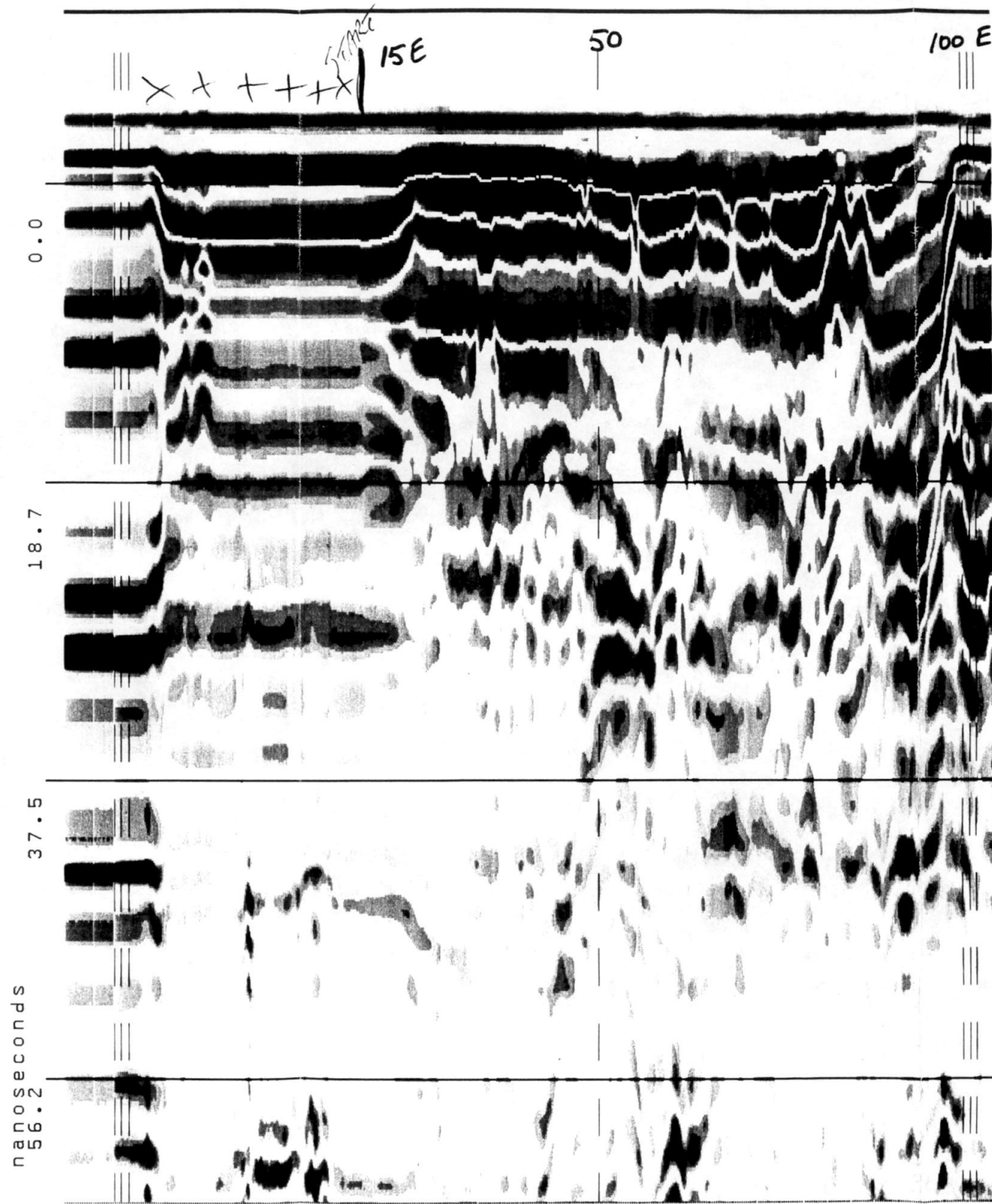
Ft. Monmouth NJ

Main Post Site M18

Line 70S, Marks at 50' intervals

Start: 15E End: 100E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 3 FILE3 Created November 30, 1994 11:41:52

512 samples/scan 25.004 scans/sec

Position: -2 ns range: 75 ns 8 Bits

Dielectric Constant: 0 Antenna: 3102

Range Gain 5 7 21 34 46

Vert. IIR low Pass N=2 F=38

Vert. IIR high Pass N=2 F=8

Horiz. IIR stacking TC=4

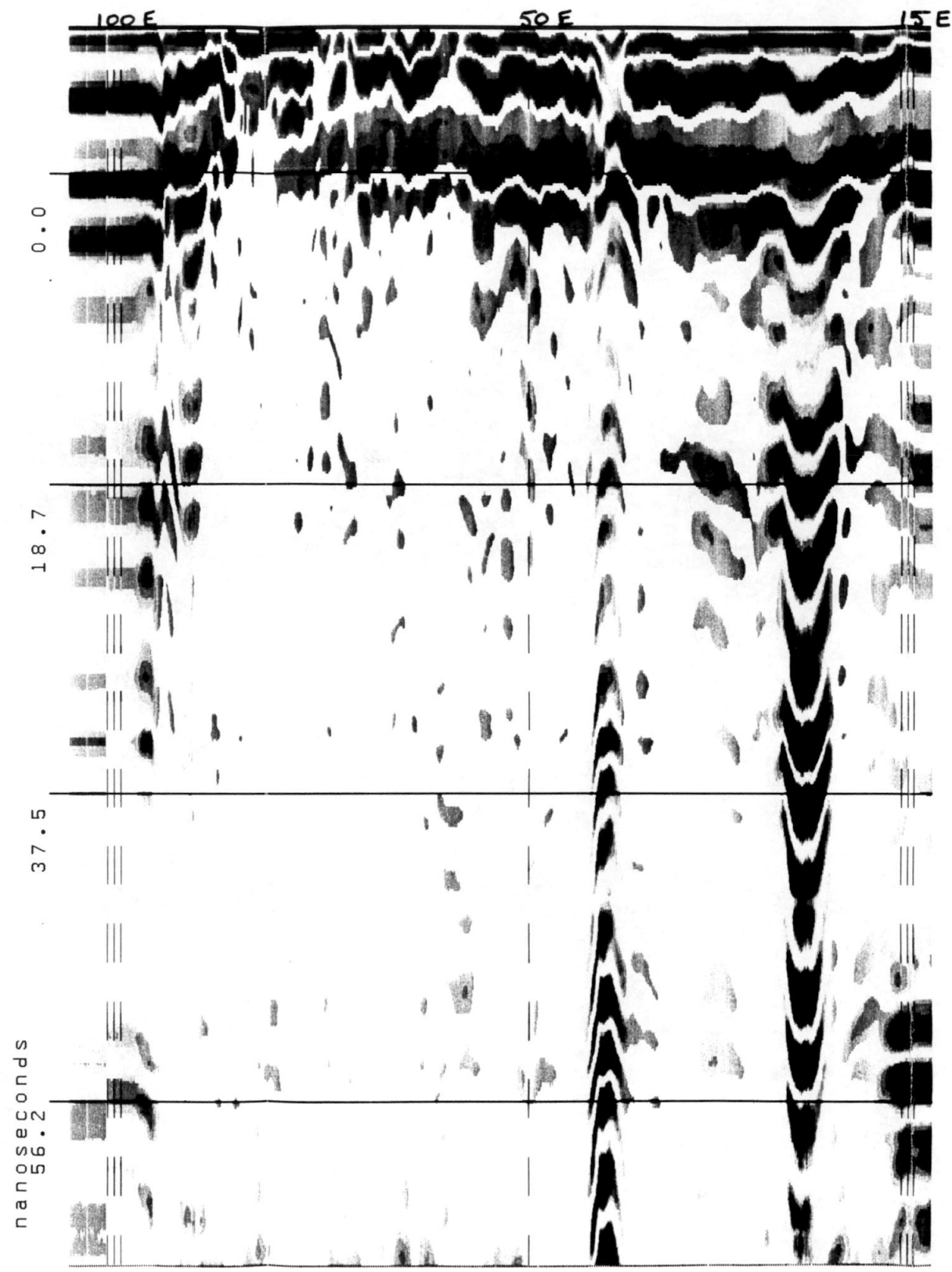
Ft. Monmouth NJ

Main Post Site M18

Line 60S, Marks at 50' intervals

Start: 100E End: 15E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 4 FILE4 Created November 30, 1994 11:49:42

512 samples/scan 25.004 scans/sec  
position: -7.5 ns range: 75 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert. IIR low pass N=2 F=38  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

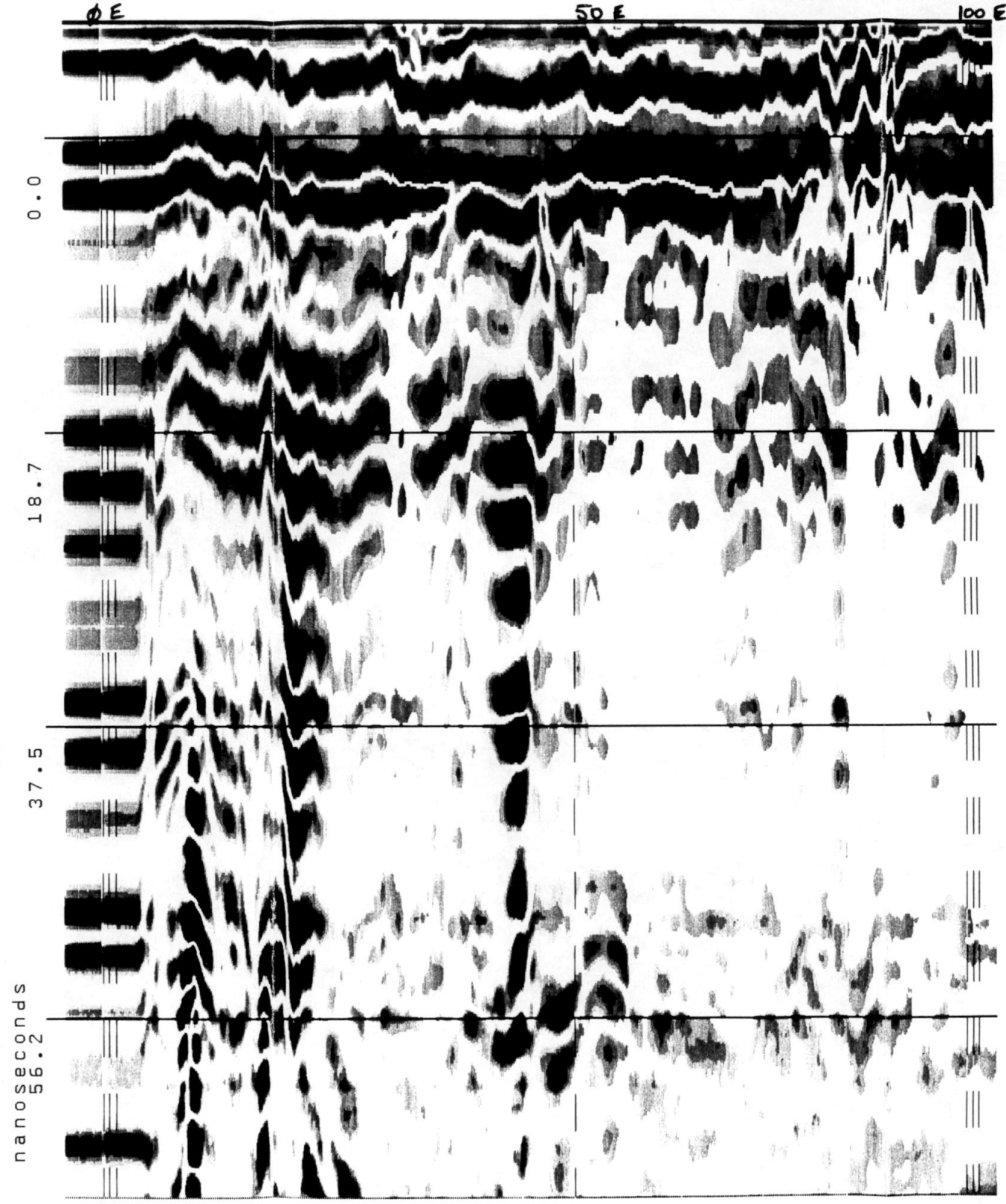
Ft. Monmouth NJ

Main Post Site M18

Line 50S, Marks at 50' intervals

Start: 0E End: 100E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 5 FILE5 Created November 30, 1994 11:57:02

512 samples/scan 25.004 scans/sec  
Position: -3 nS range: 75 nS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert. IIR low pass N=2 F=38  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

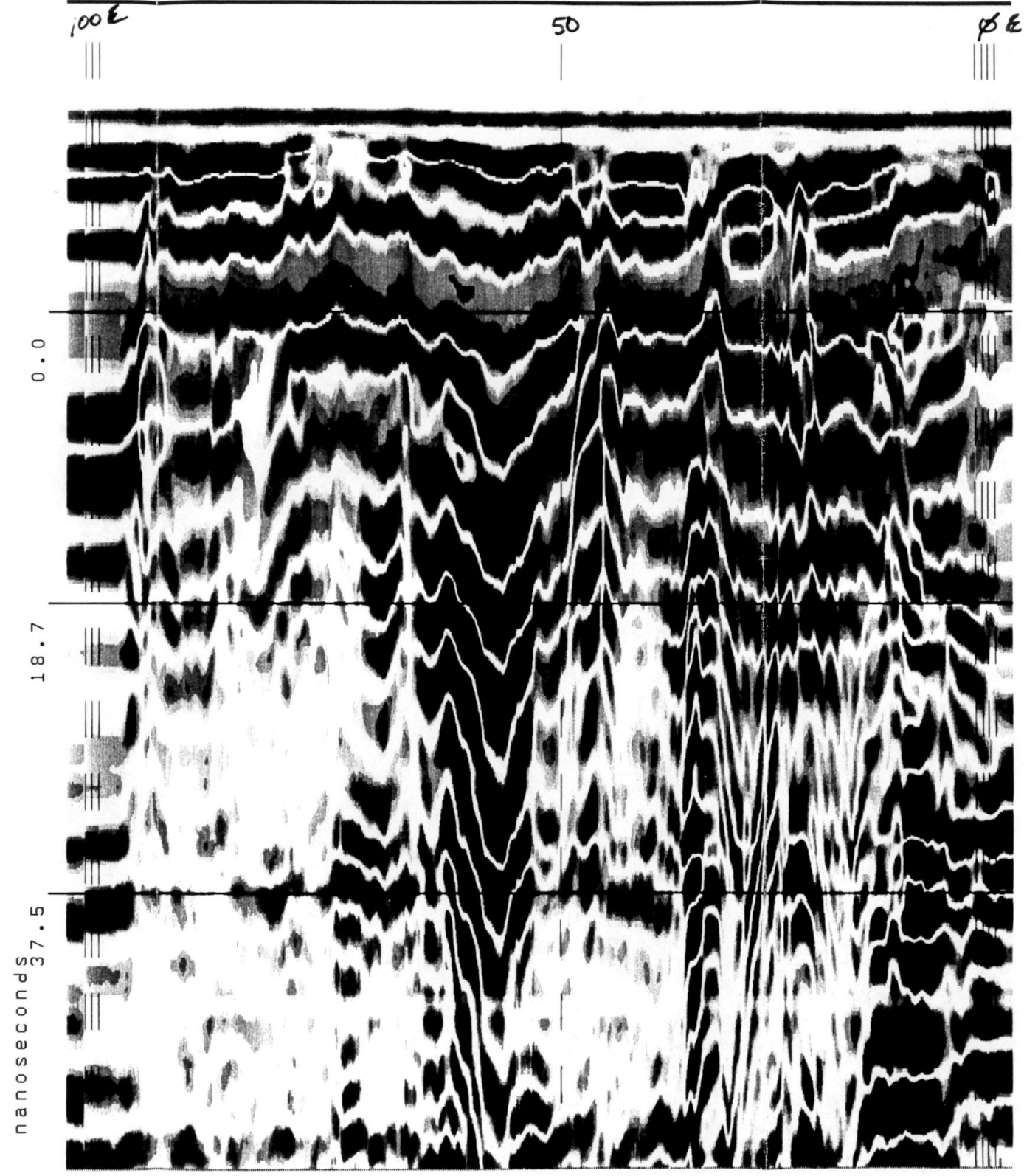
Ft. Monmouth NJ

Main Post Site M18

Line 40S, Marks at 50' intervals

Start: 100E End: 0E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 6 FILE6 Created November 30, 1994 12:01:14

512 samples/scan 25.004 scans/sec  
Position: -6 ns range: 75 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert. IIR low Pass N=2 F=38  
Vert. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

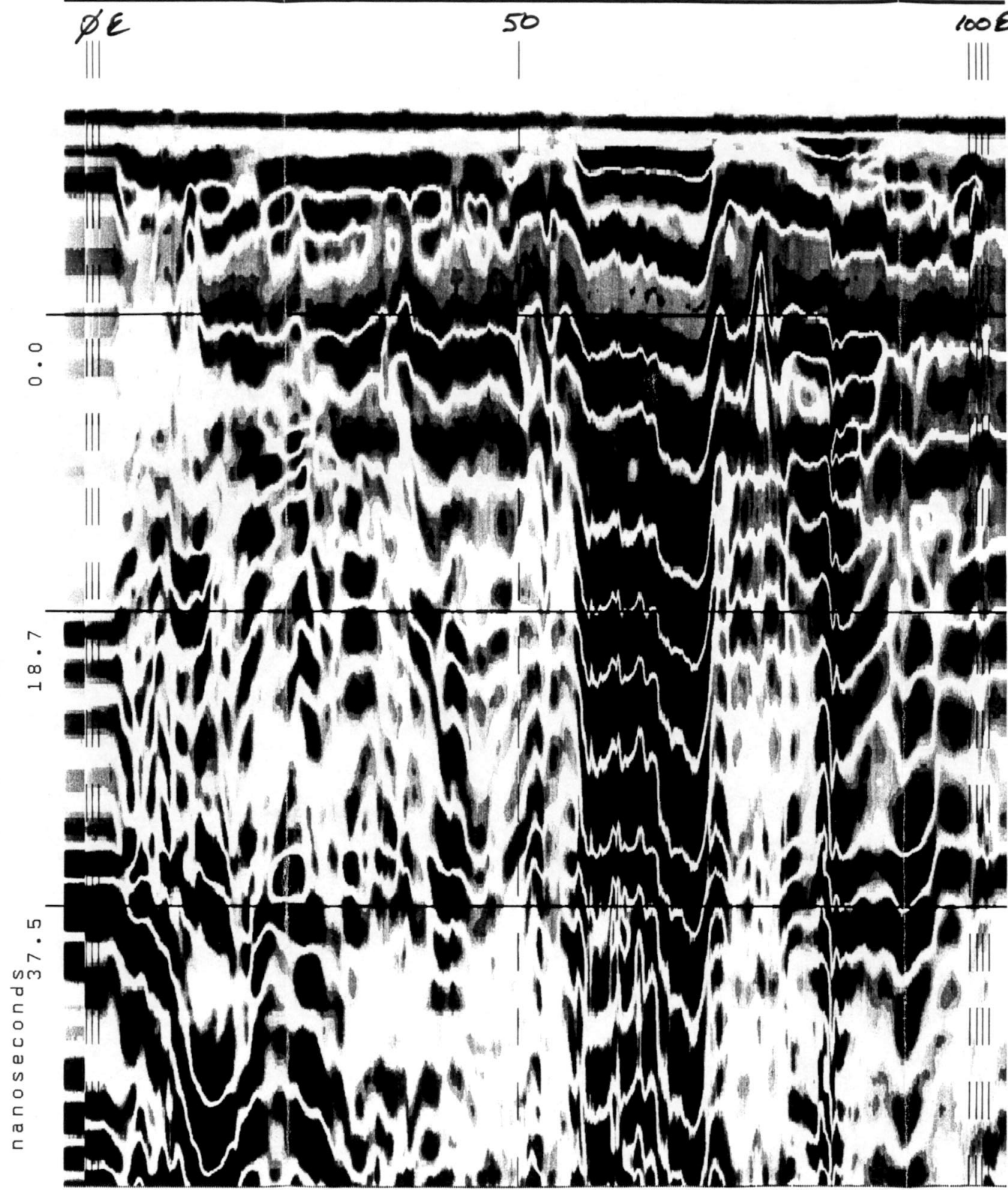
Ft. Monmouth NJ

Main Post Site M18

Line 30S, Marks at 50' intervals

Start: 0E End: 100E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 7 FILE7 Created November 30, 1994 12:05:02

512 samples/scan 25.004 scans/sec  
Position: -6 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert: IIR low pass N=2 F=38

Vert: IIR high pass N=2 F=8

Horiz: IIR stacking TC=4

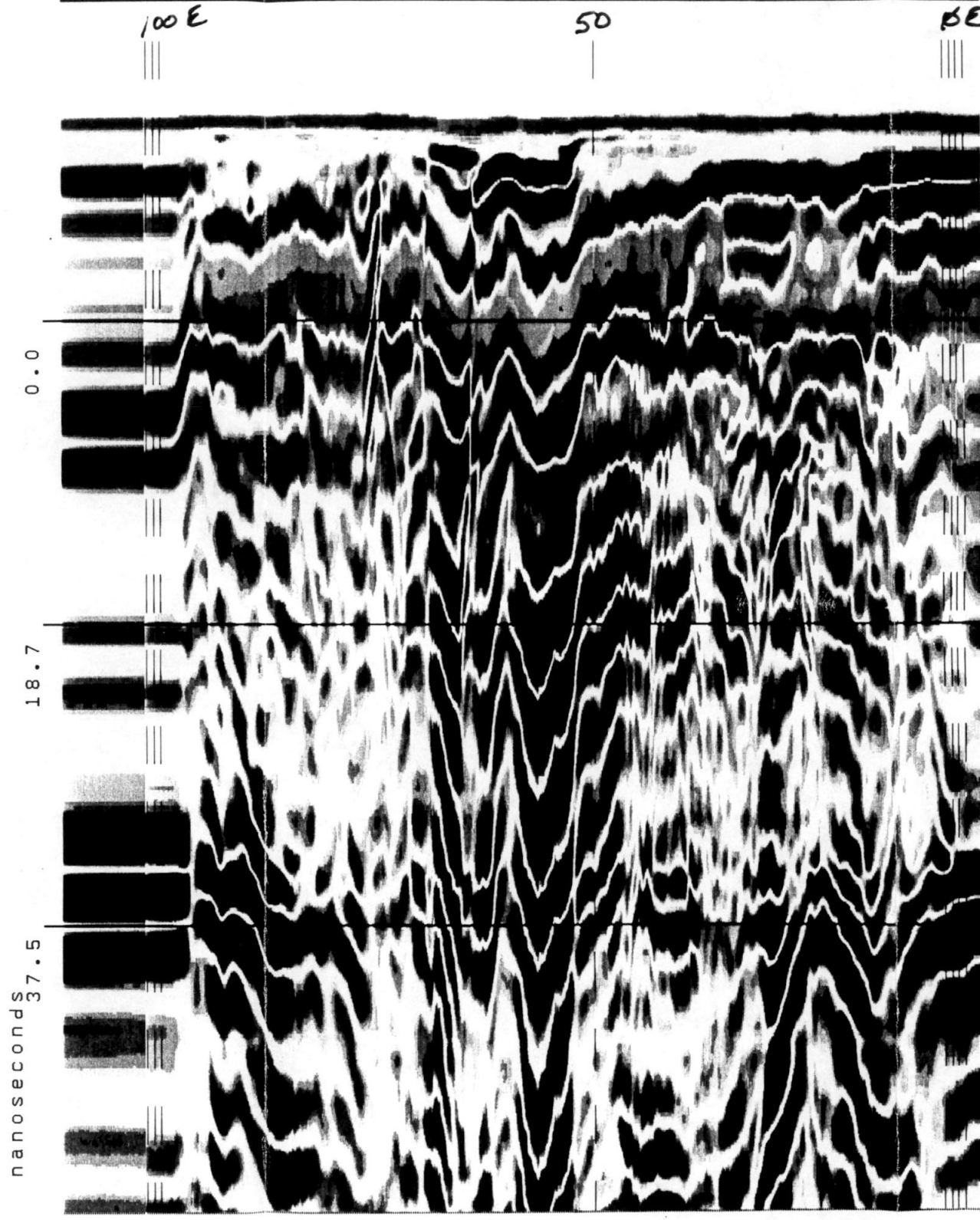
Ft. Monmouth NJ

Main Post Site M18

Line 20S, Marks at 50' intervals

Start: 100E End: 0E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 8 FILE8 Created November 30, 1994 12:15:48

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert. IIR low pass N=2 F=38  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

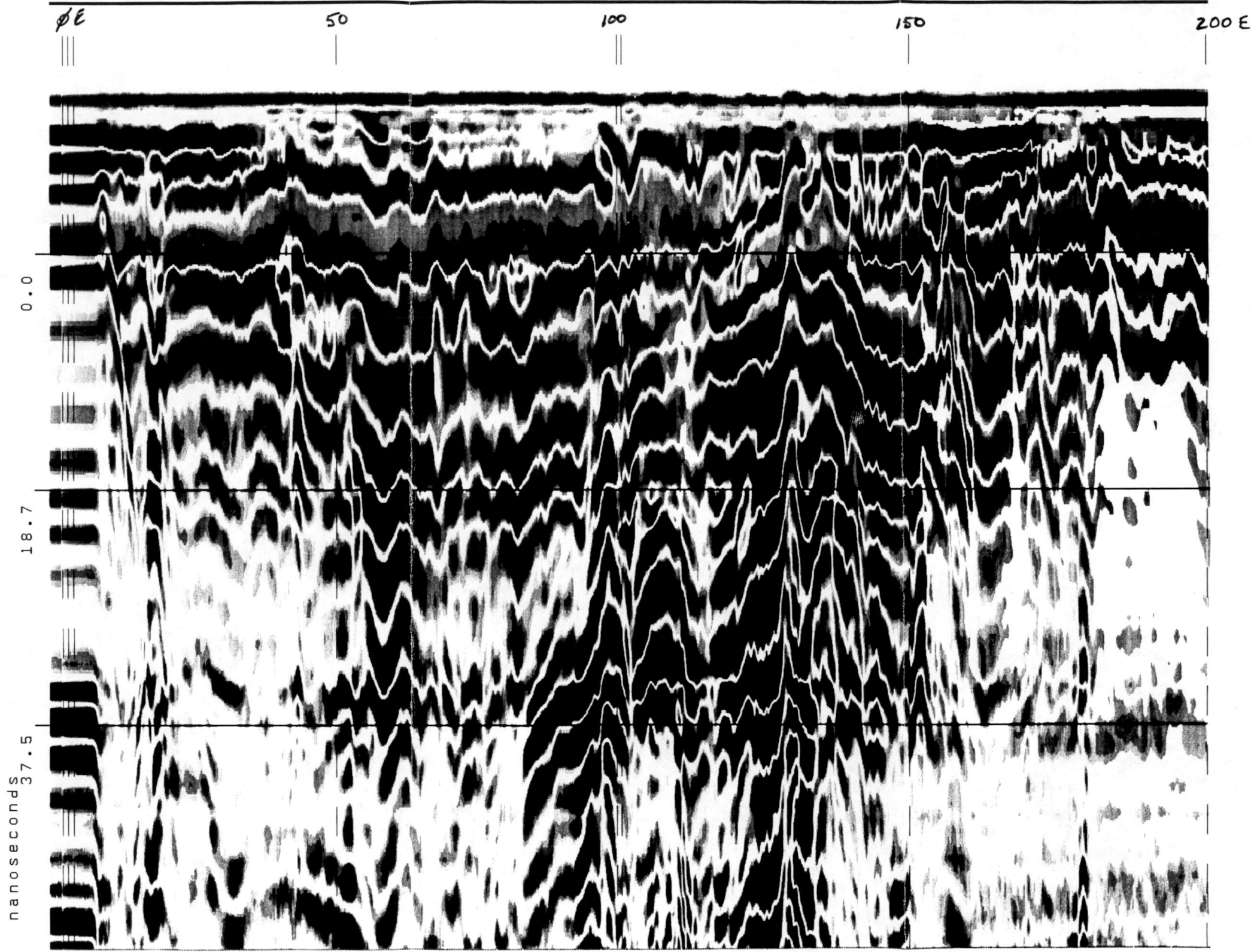
Ft. Monmouth NJ

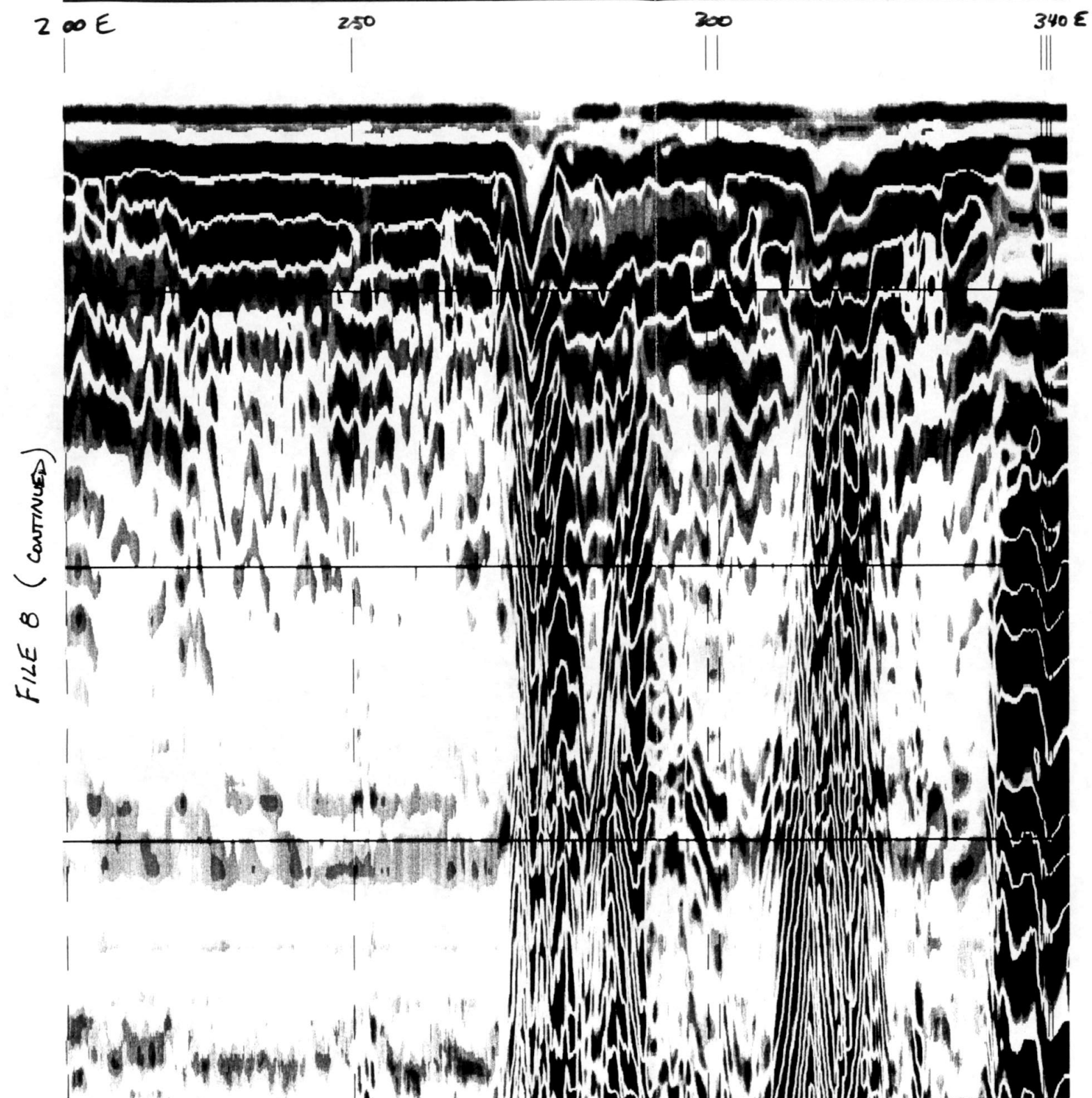
Main Post Site M18

Line 10S, Marks at 50' intervals

Start: 0E End: 340E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%







File 9 FILE9 Created November 30, 1994 12:23:48

512 samples/scan 25.004 scans/sec  
Position: 0 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert. IIR low Pass N=2 F=38  
Vert. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

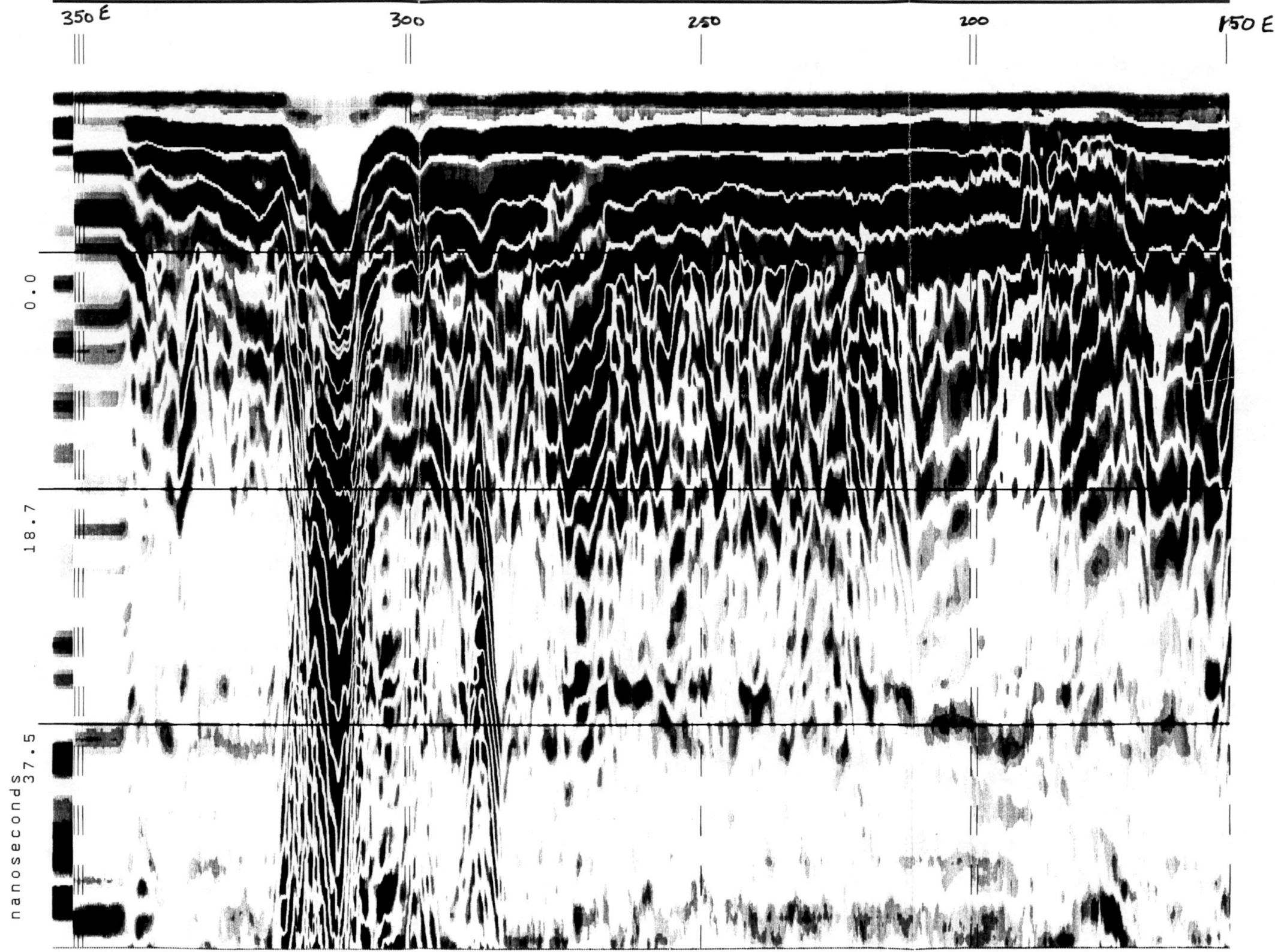
Ft. Monmouth NJ

Main Post Site M18

Line 0N, Marks at 50' intervals

Start: 350E End: 0E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





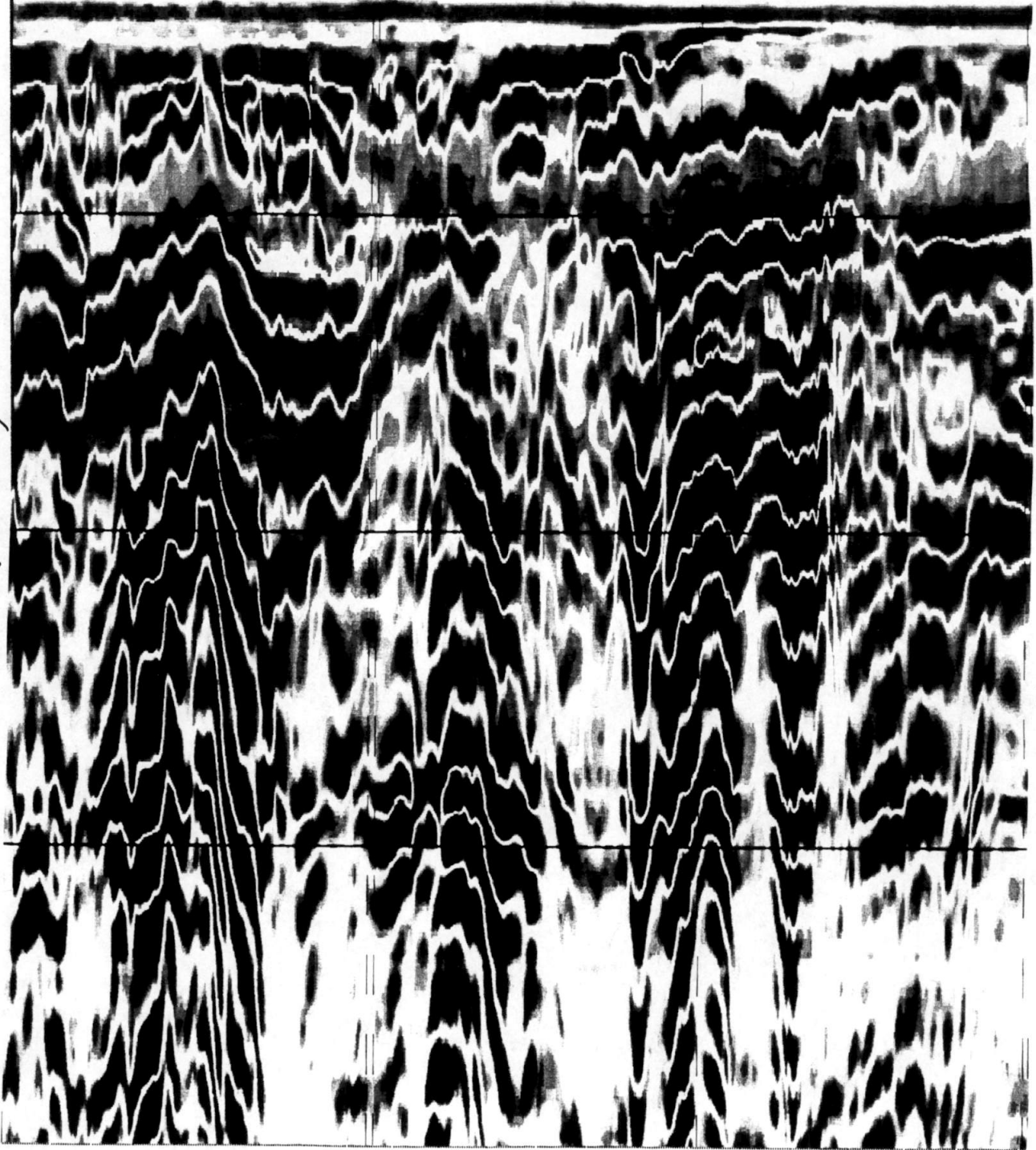
150 E

100 E

50 E

0 E

FILE 9 (CONTINUED)



File 10 FILE10 Created November 30, 1994 12:30:36

512 samples/scan 25.004 scans/sec  
Position: -6 ns range: 75 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert: IIR low Pass N=2 F=38  
Vert: IIR high Pass N=2 F=8  
Horiz: IIR stacking TC=4

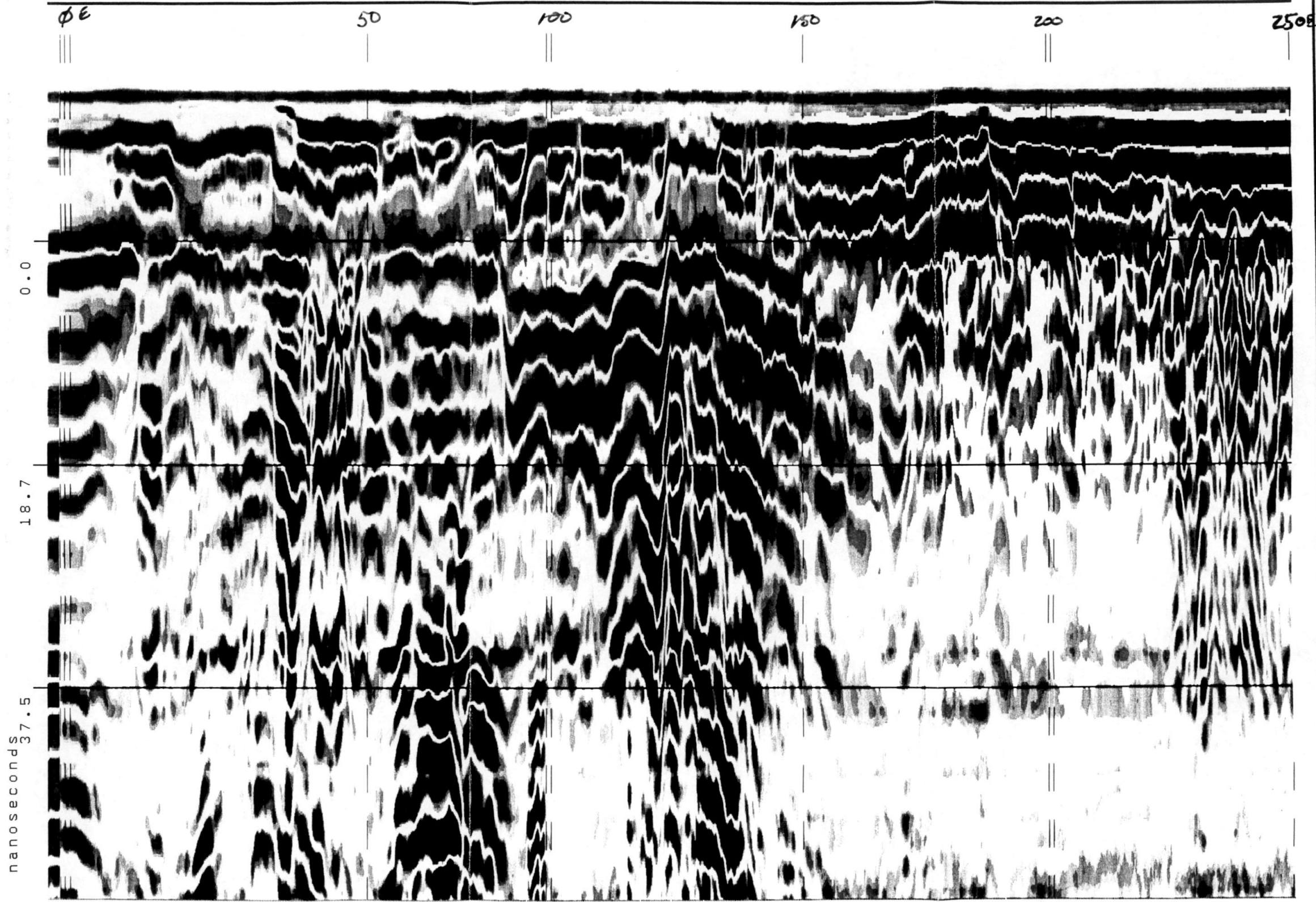
Ft. Monmouth NJ

Main Post Site M18

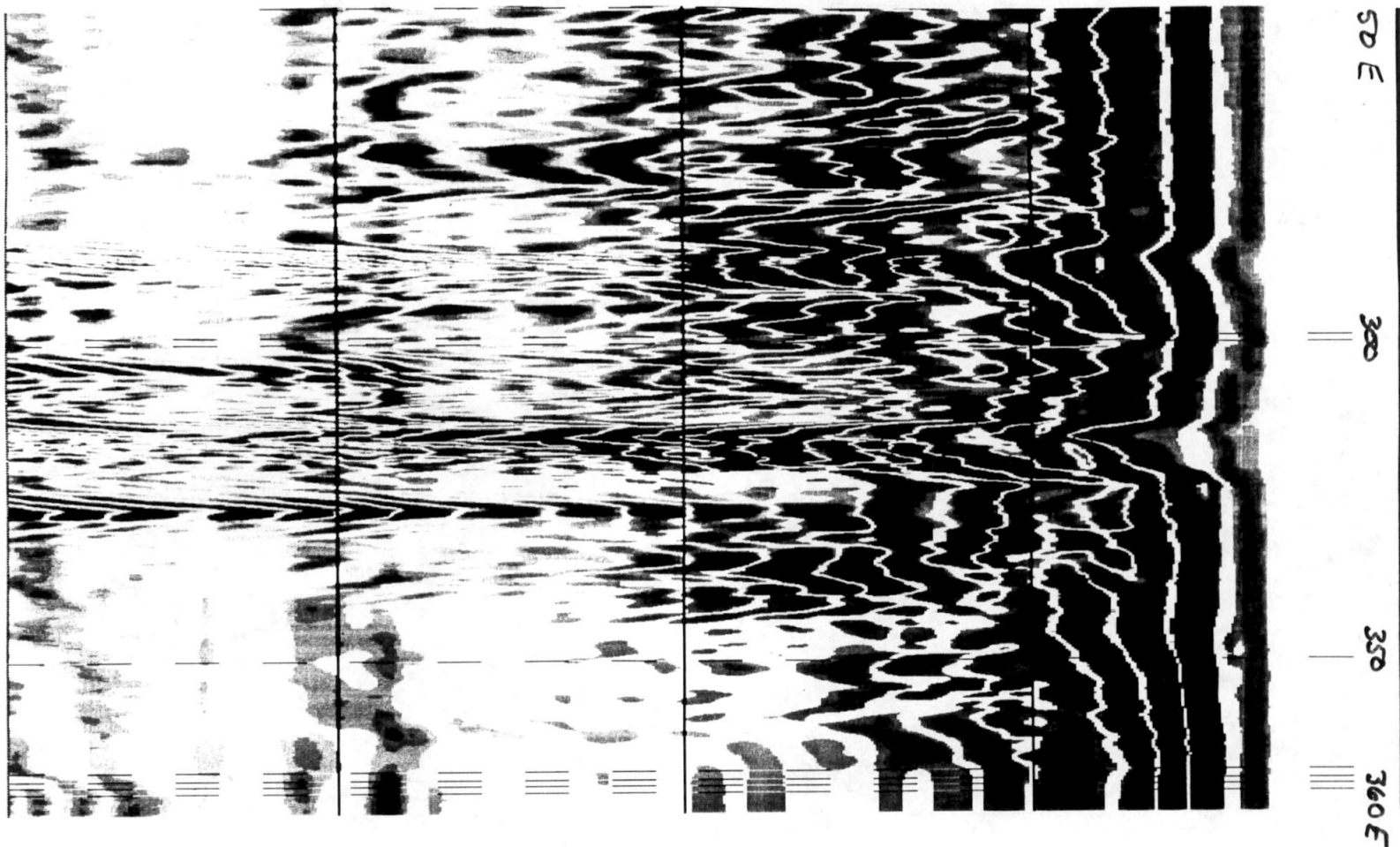
Line 10N, Marks at 50' intervals

Start: 0E End: 360E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



FILE 10 (CONTINUED)





File 11 FILE11 Created November 30, 1994 12:40:56

512 samples/scan 25.004 scans/sec  
Position: -6 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert. IIR low pass N=2 F=38  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

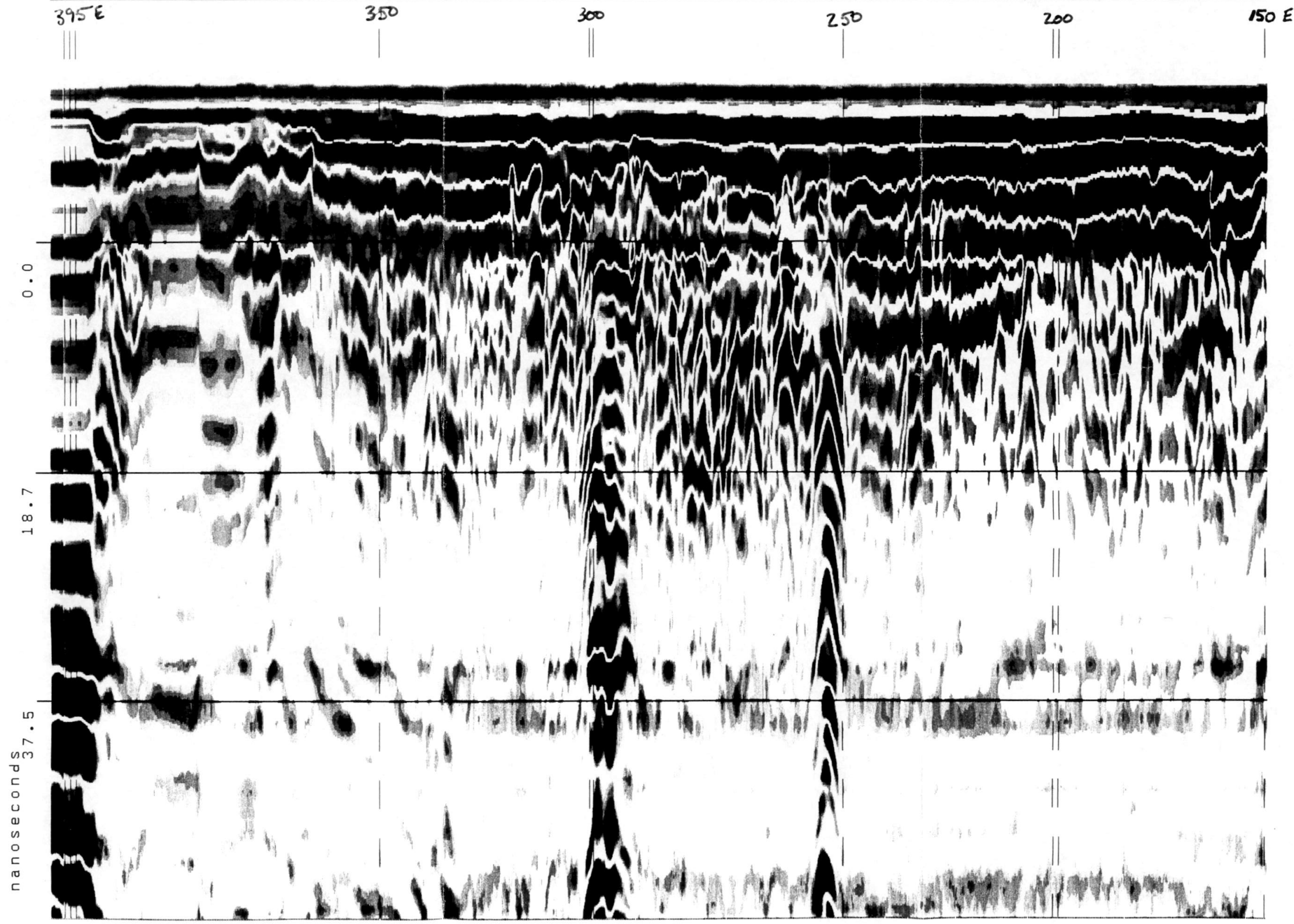
Ft. Monmouth NJ

Main Post Site M18

Line 20N, Marks at 50' intervals

Start: 395E End: 0E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



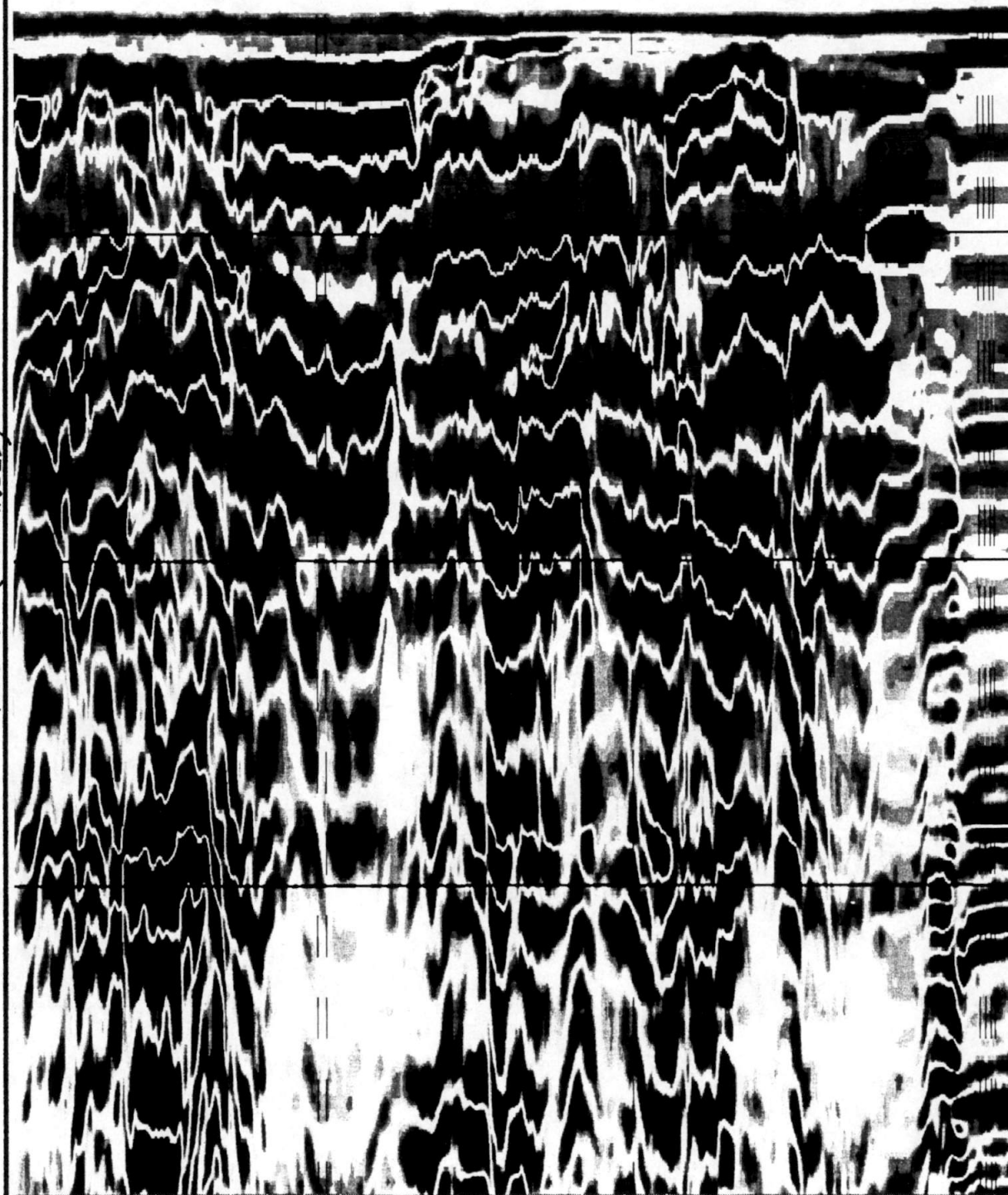
150 E

100

50

0 E

FILE 11 (CONTINUED)



File 12 FILE12 Created November 30, 1994 12:45:52

512 samples/scan 25.004 scans/sec  
Position: -6 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert. IIR low pass N=2 F=38  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

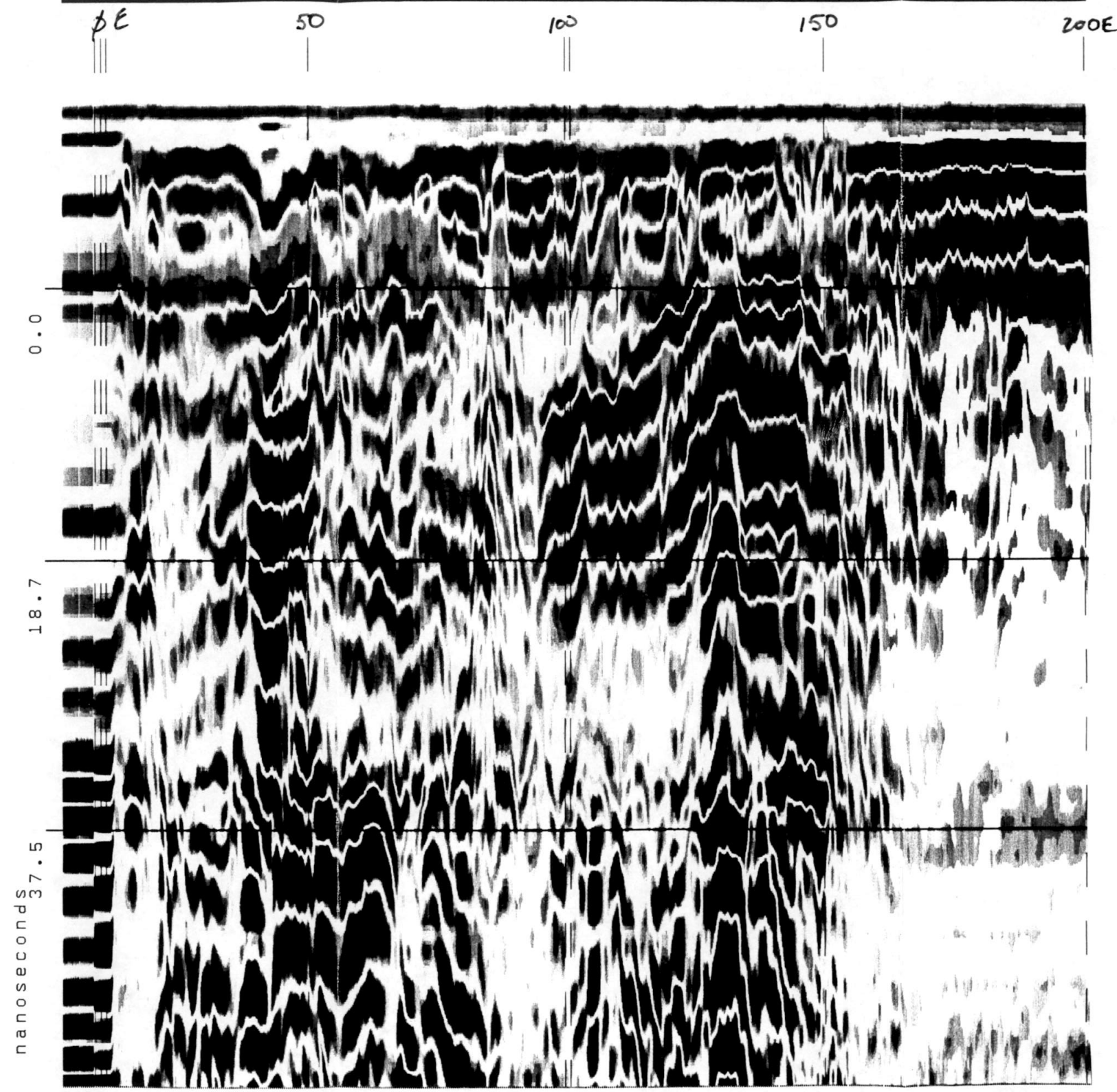
Ft. Monmouth NJ

Main Post Site M18

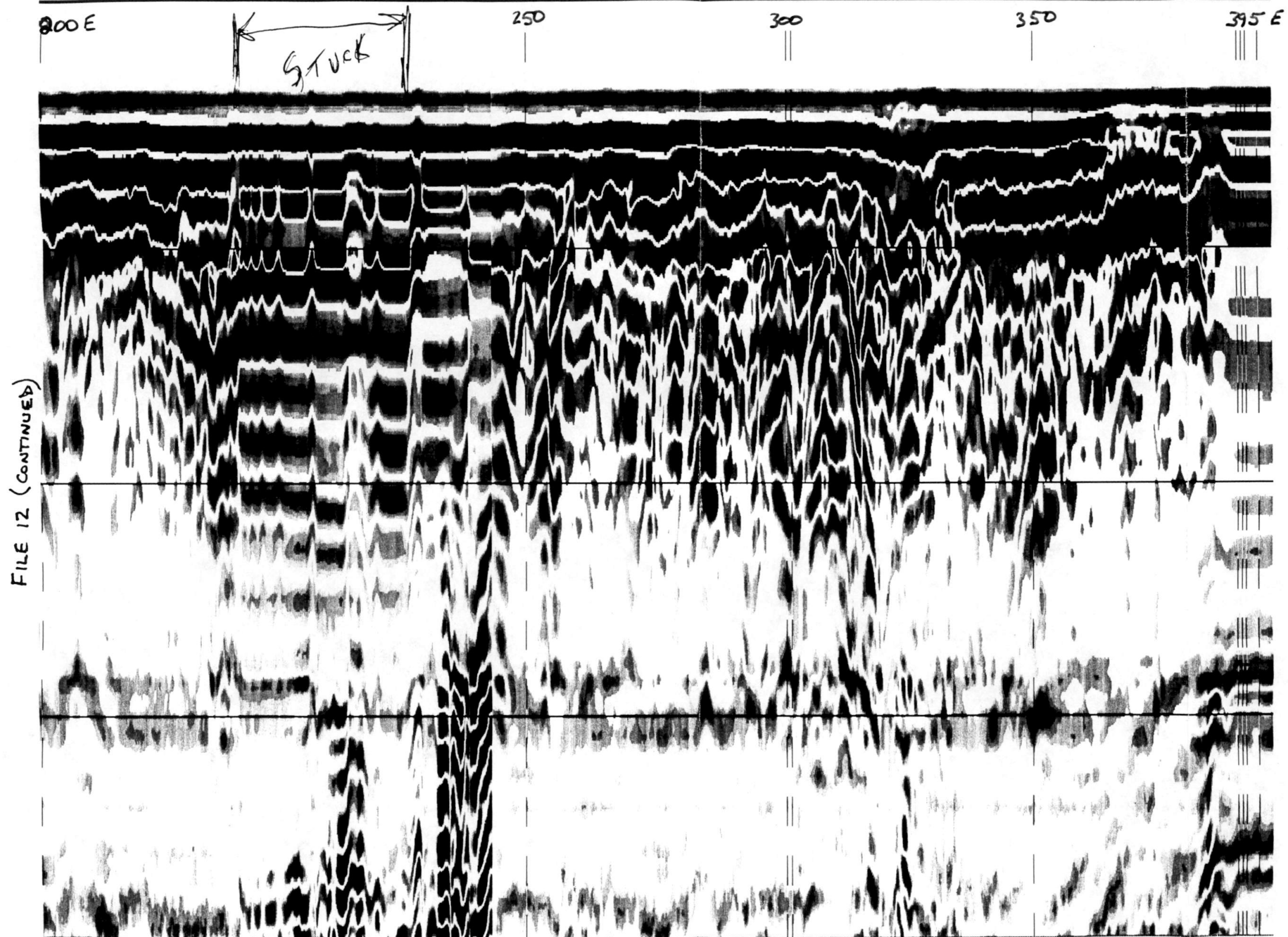
Line 30N, Marks at 50' intervals

Start: 0E End: 395E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%







File 13 FILE13 Created November 30, 1994 13:04:10

512 samples/scan 25.004 scans/sec  
Position: -6 ns range: 75 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102  
Range Gain 4 9 25 44 51

Vert. IIR low pass N=2 F=38  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

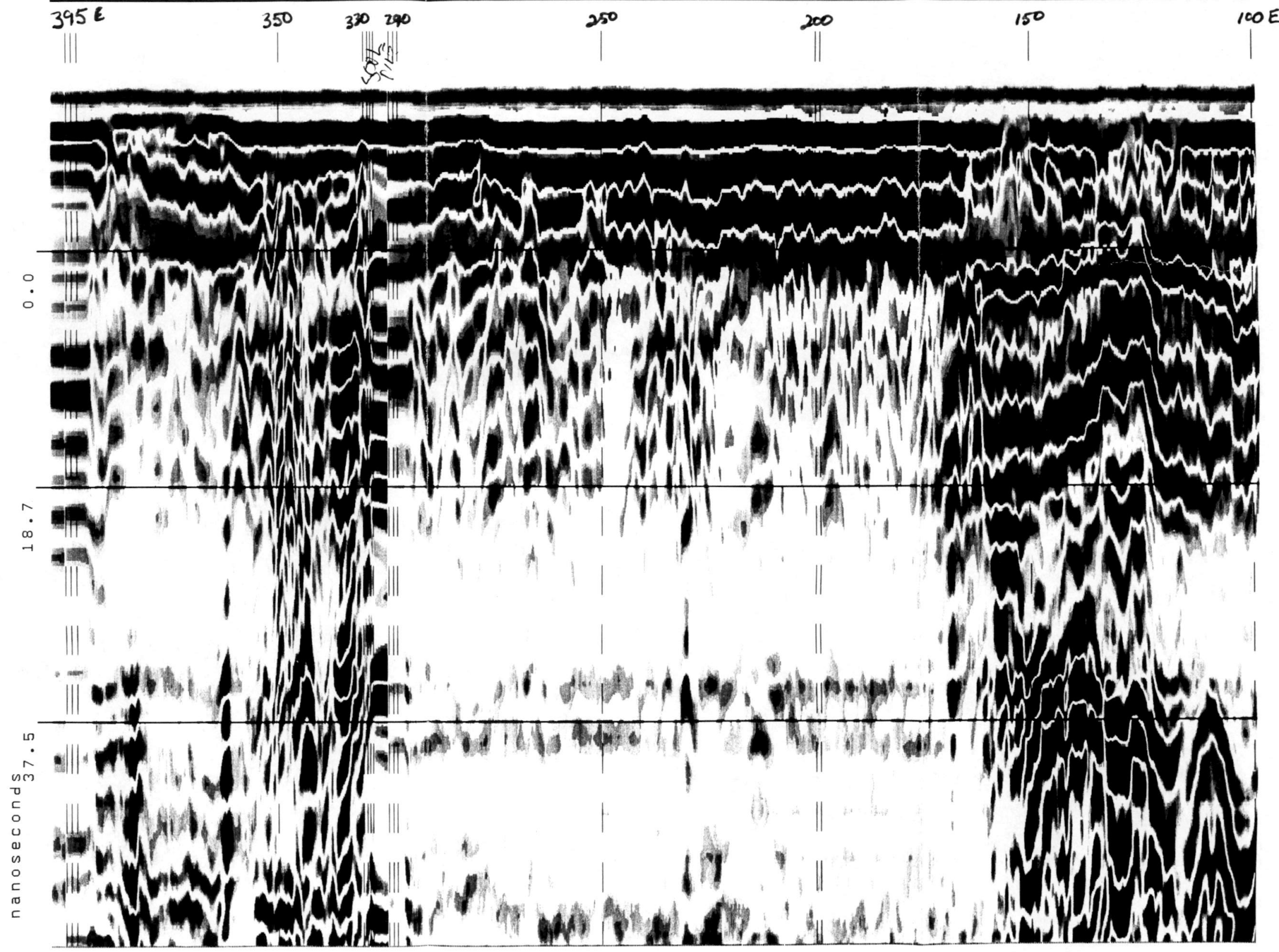
Ft. Monmouth NJ

Main Post Site M18

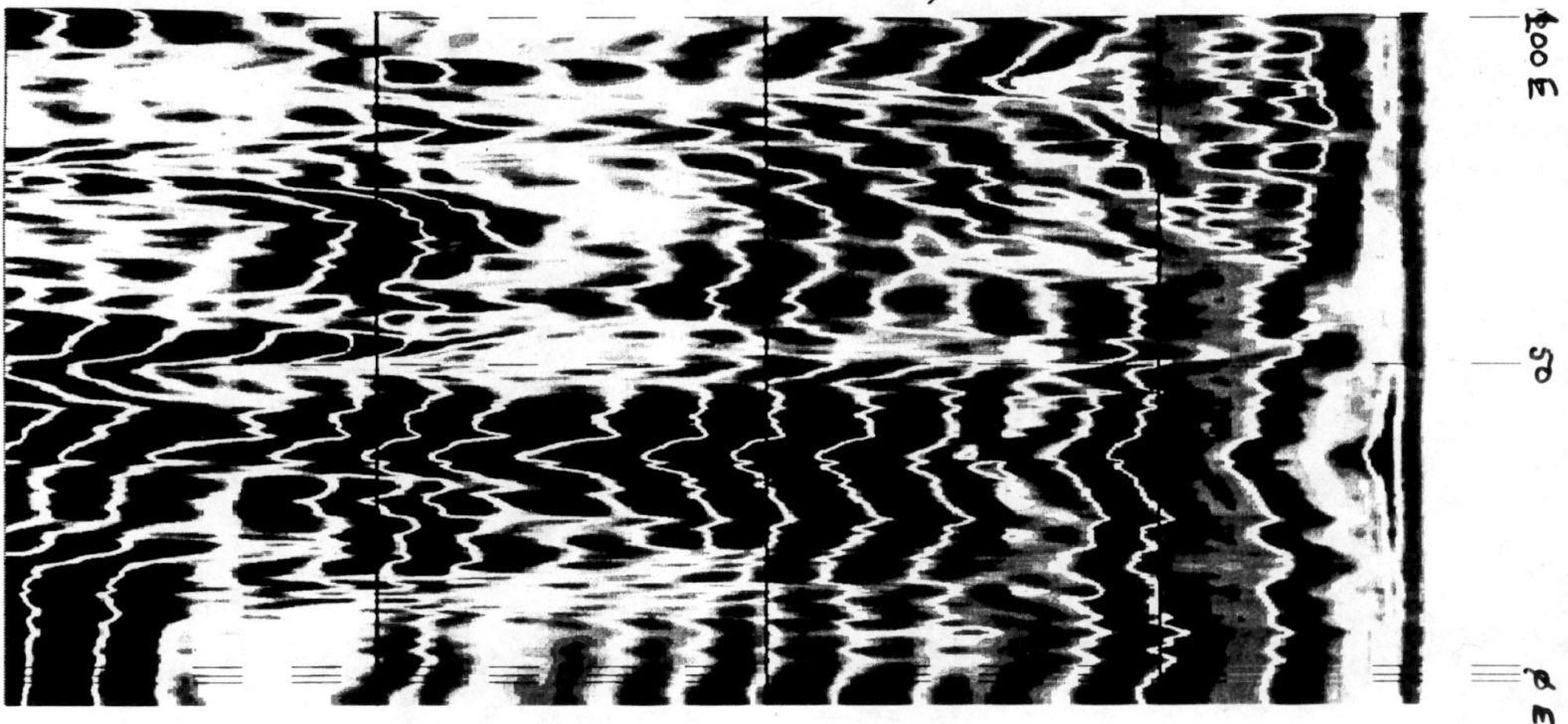
Line 40N, Marks at 50' intervals

Start: 395E / 290E End: 330E / 0E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



FILE 13 (CONTINUED)





File 14 FILE14 Created November 30, 1994 13:11:42

512 samples/scan 25.004 scans/sec  
Position: -6 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102  
Range Gain 4 9 25 44 51

Vert. IIR low Pass N=2 F=38  
Vert. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

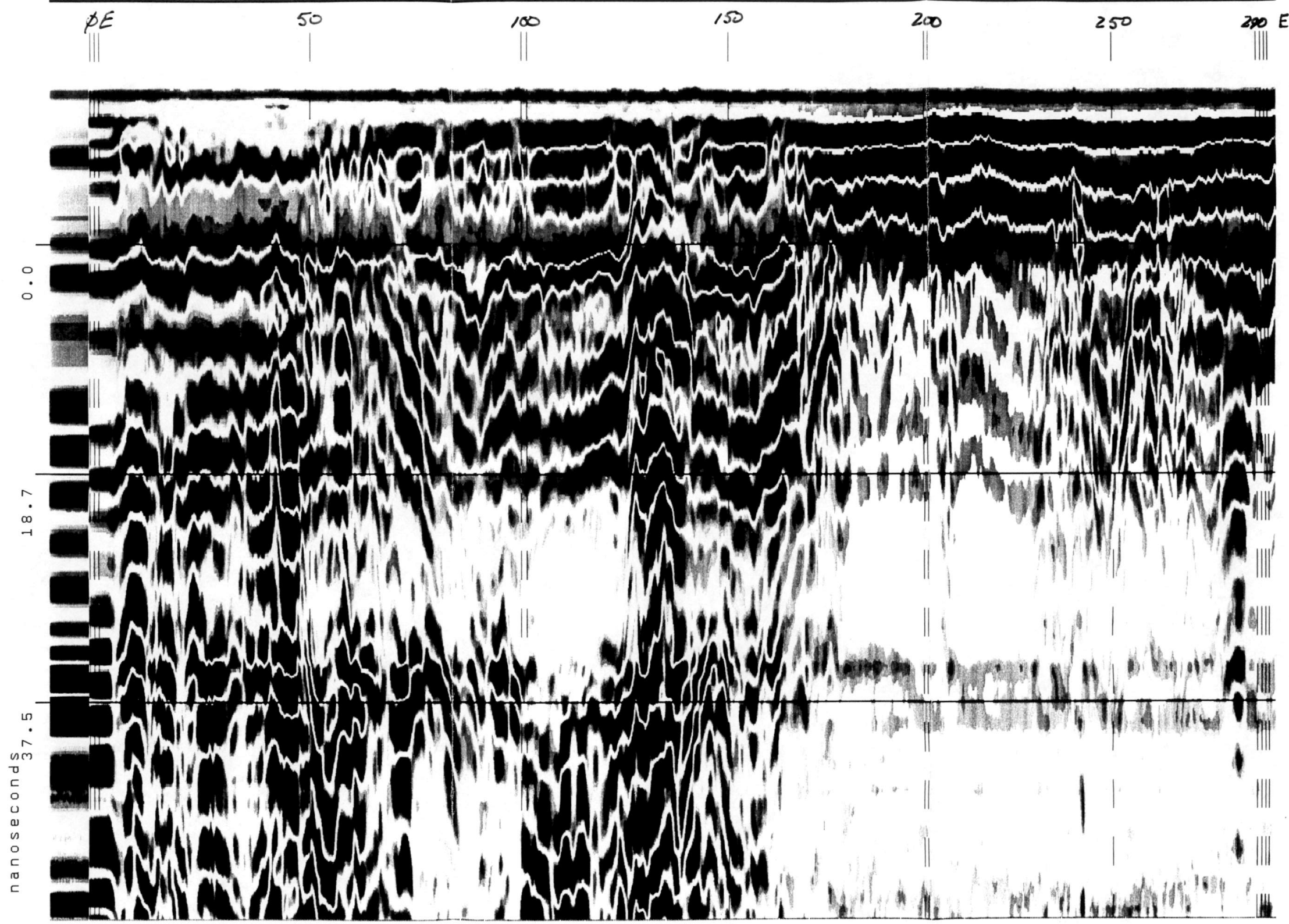
Ft. Monmouth NJ

Main Post Site M18

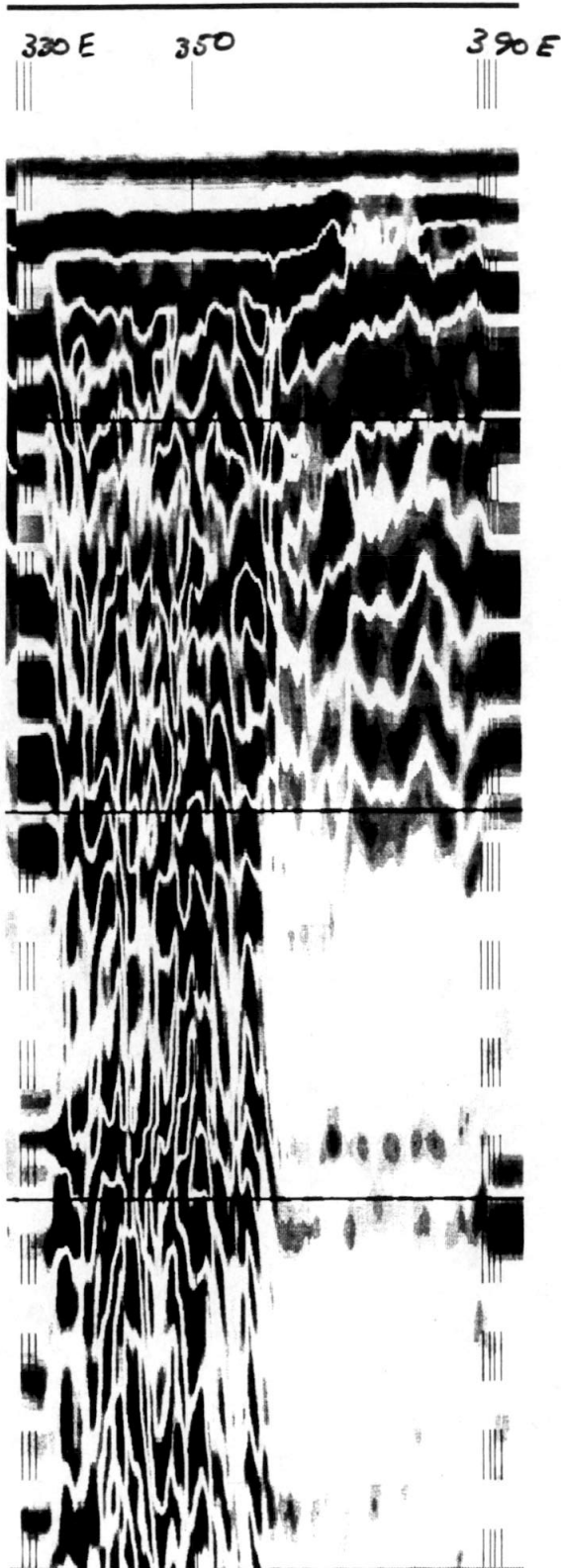
Line 50N, Marks at 50' intervals

Start: 0E / 330E End: 290E / 390E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



FILE 14 (CONTINUED)



File 16 FILE16 Created November 30, 1994 13:28:14

512 samples/scan 25.004 scans/sec  
Position: -6 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert. IIR low pass N=2 F=38  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

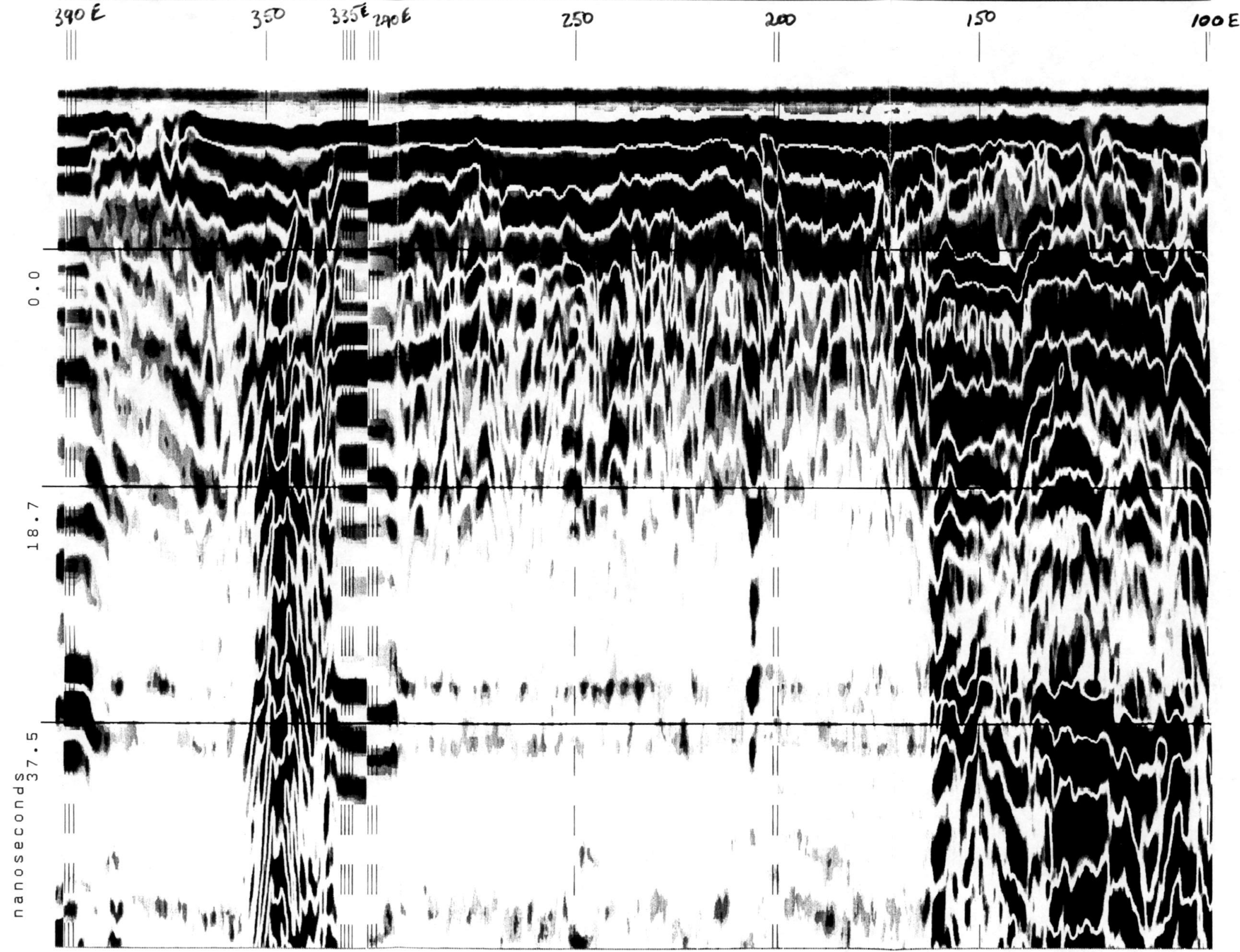
Ft. Monmouth NJ

Main Post Site M18

Line 60N, Marks at 50' intervals

Start: 390E / 290E End: 335E / 0E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



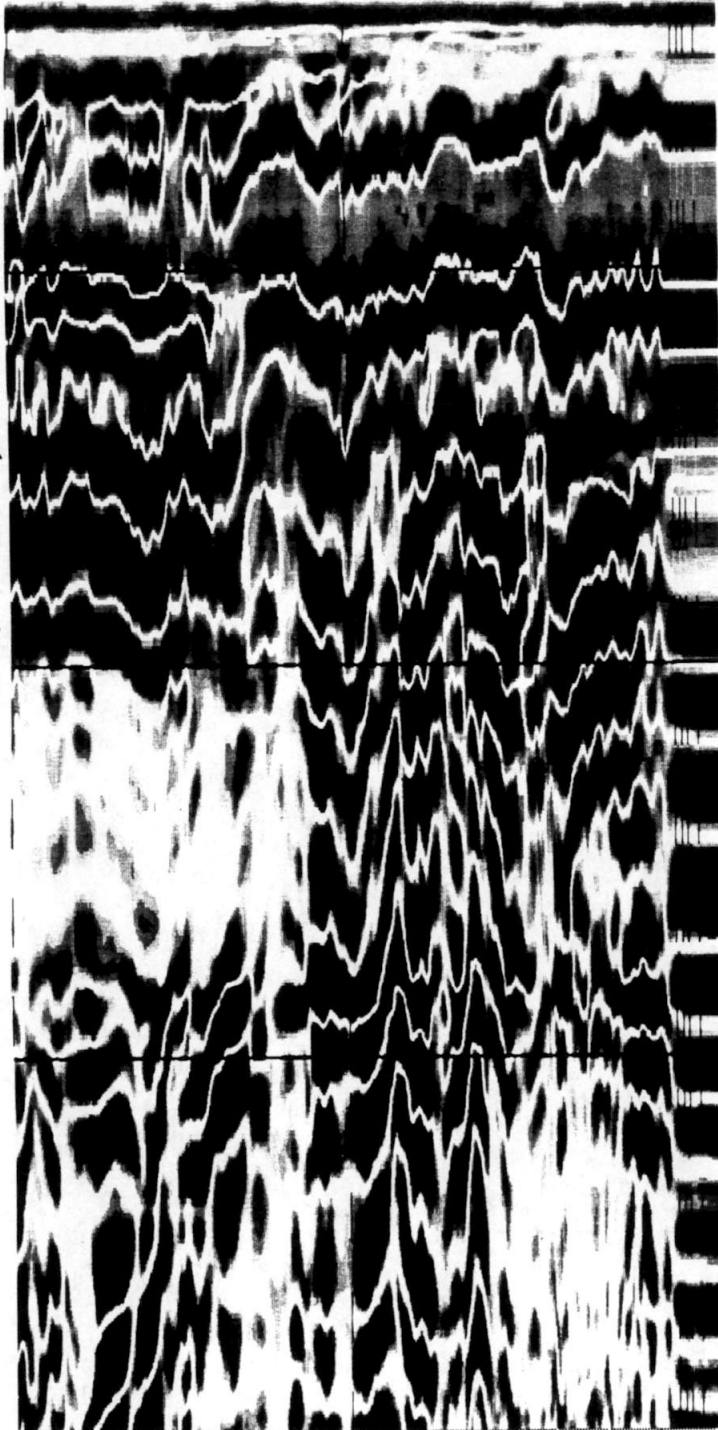


200 E

50

Ø E

FILE 16 (CONTINUED)



File 17 FILE17 Created November 30, 1994 14:42:04

512 samples/scan 25.004 scans/sec  
Position: -6 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert. IIR low Pass N=2 F=38  
Vert. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

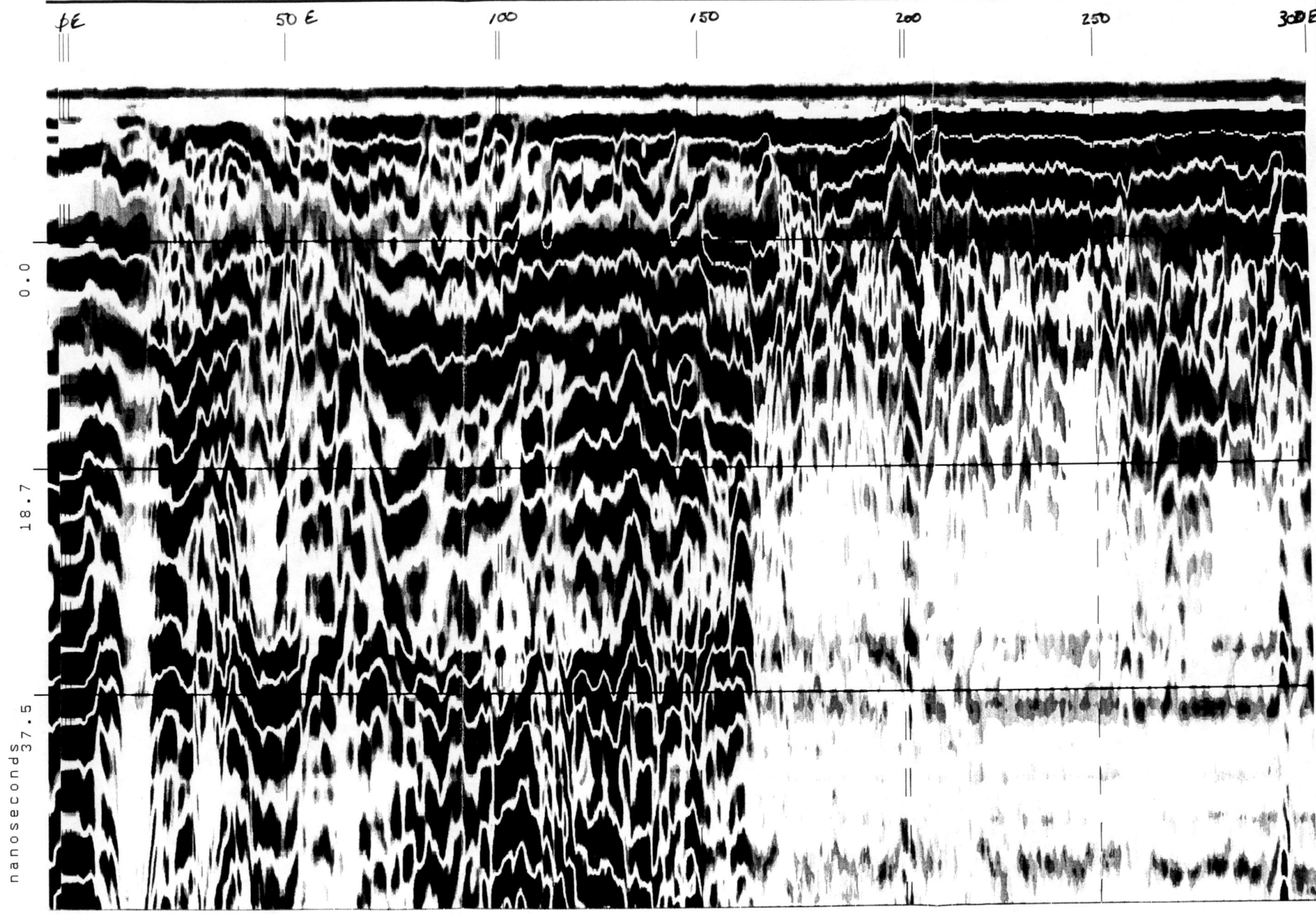
Ft. Monmouth NJ

Main Post Site M18

Line 70N, Marks at 50' intervals

Start: 0E End: 390E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%

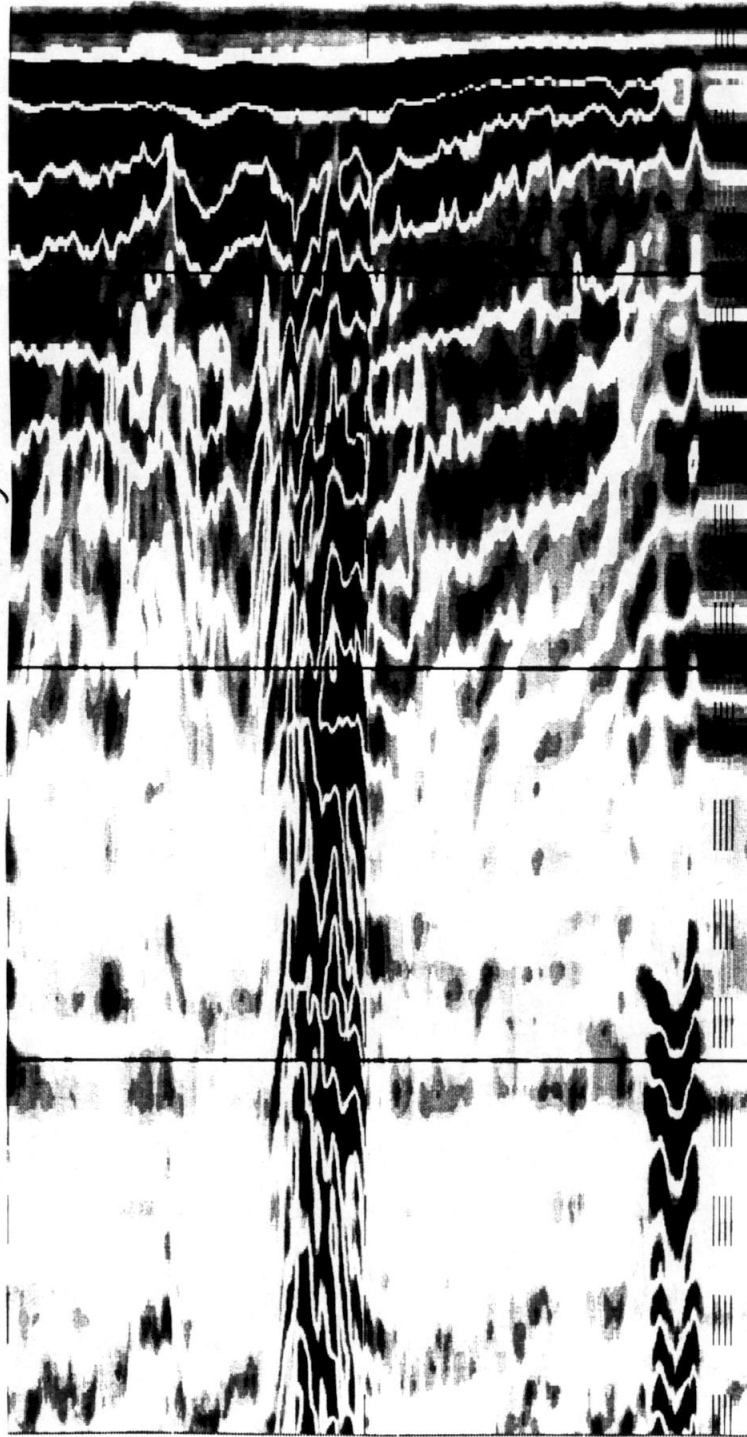


300 E

350

390 E

FILE 17 (CONTINUED)





File 18 FILE18 Created November 30, 1994 14:48:34

512 samples/scan 25.004 scans/sec  
Position: -6 ns range: 75 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert. IIR low Pass N=2 F=38  
Vert. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

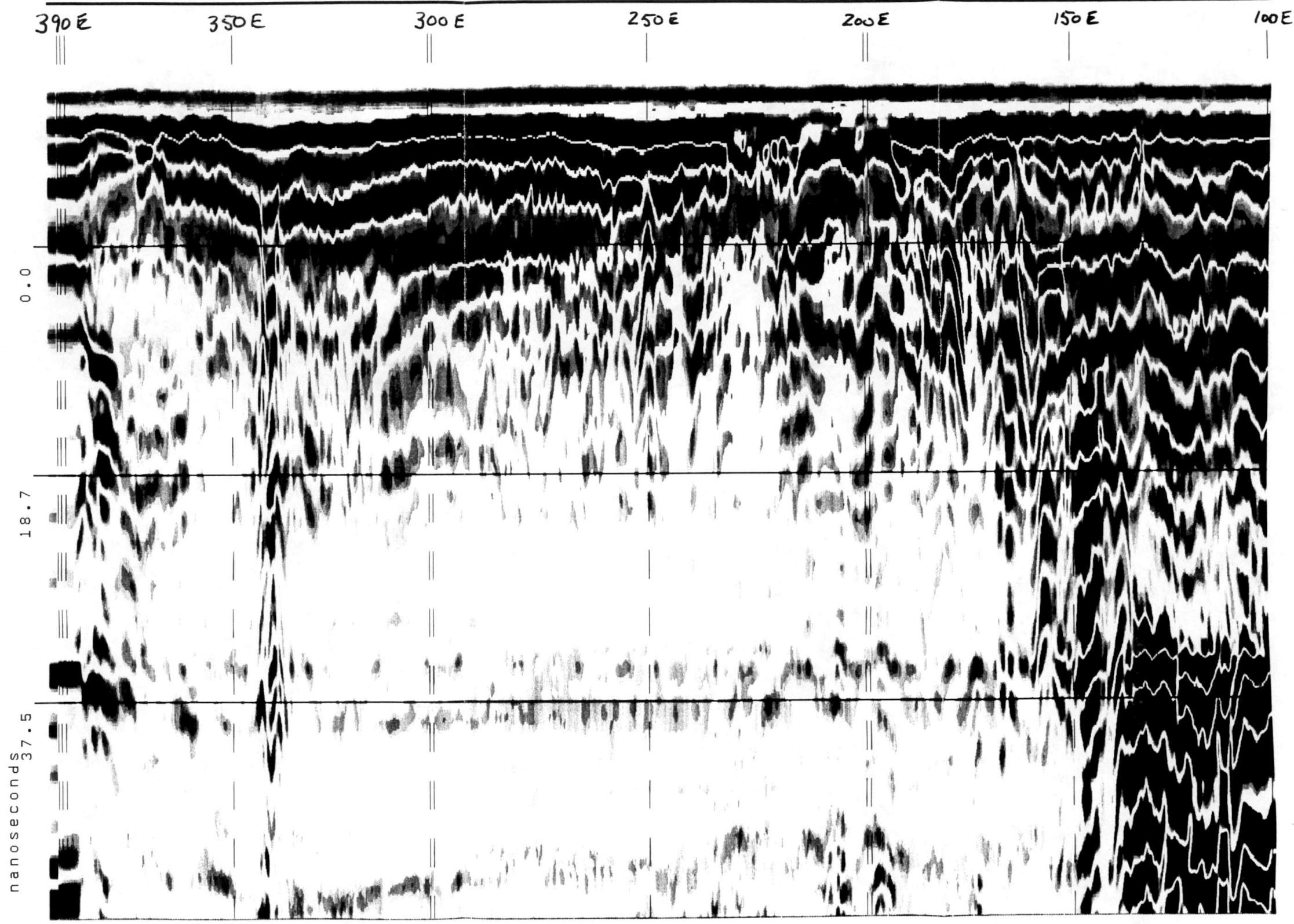
Ft. Monmouth NJ

Main Post Site M18

Line 80N, Marks at 50' intervals

Start: 390E End: 0E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%

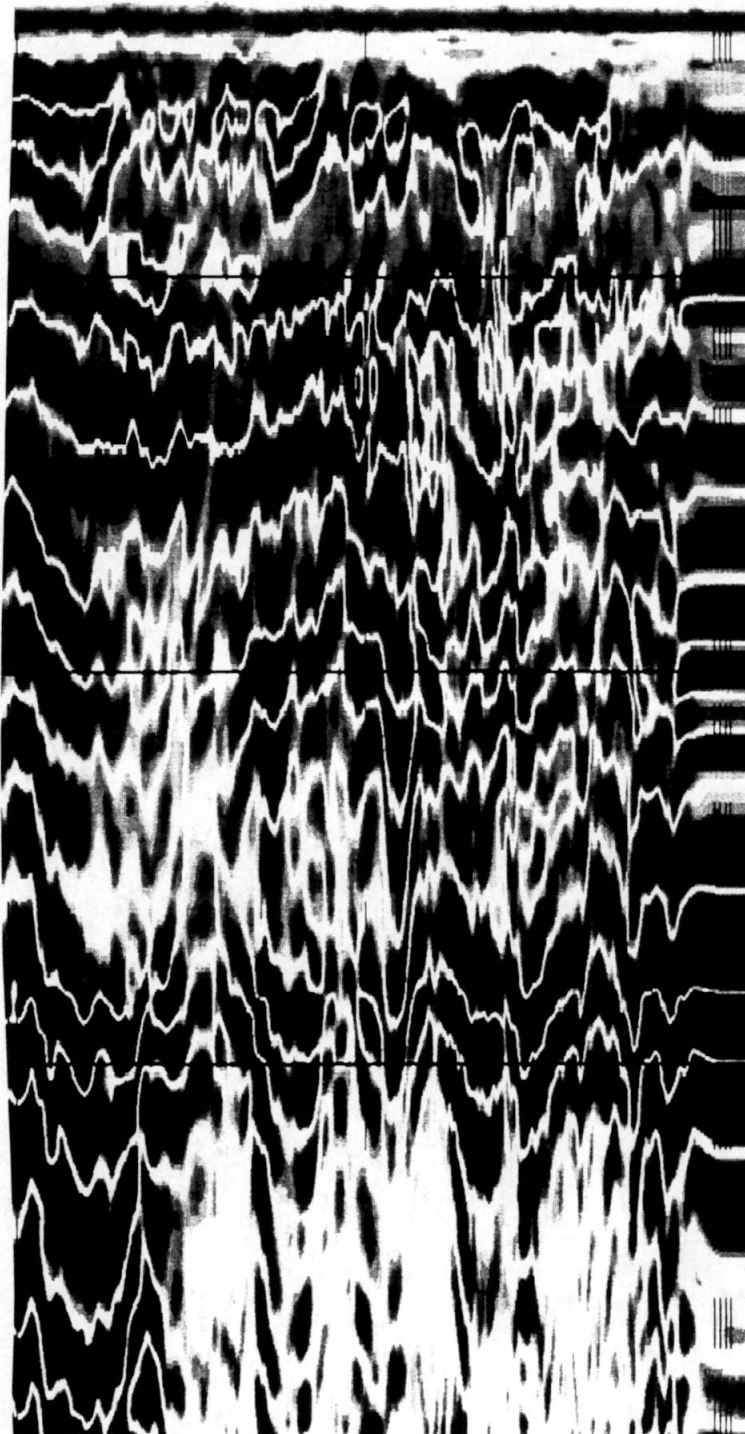


100 E

50 E

$\phi E$

FILE 18 (CONTINUED)



File 19 FILE19 Created November 30, 1994 14:57:36

512 samples/scan 25.004 scans/sec  
Position: -6 NS range: 120 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -1 16 30 46 50

Vert: IIR low pass N=2 F=60  
Vert: IIR high pass N=2 F=10  
Horiz: IIR stacking TC=4

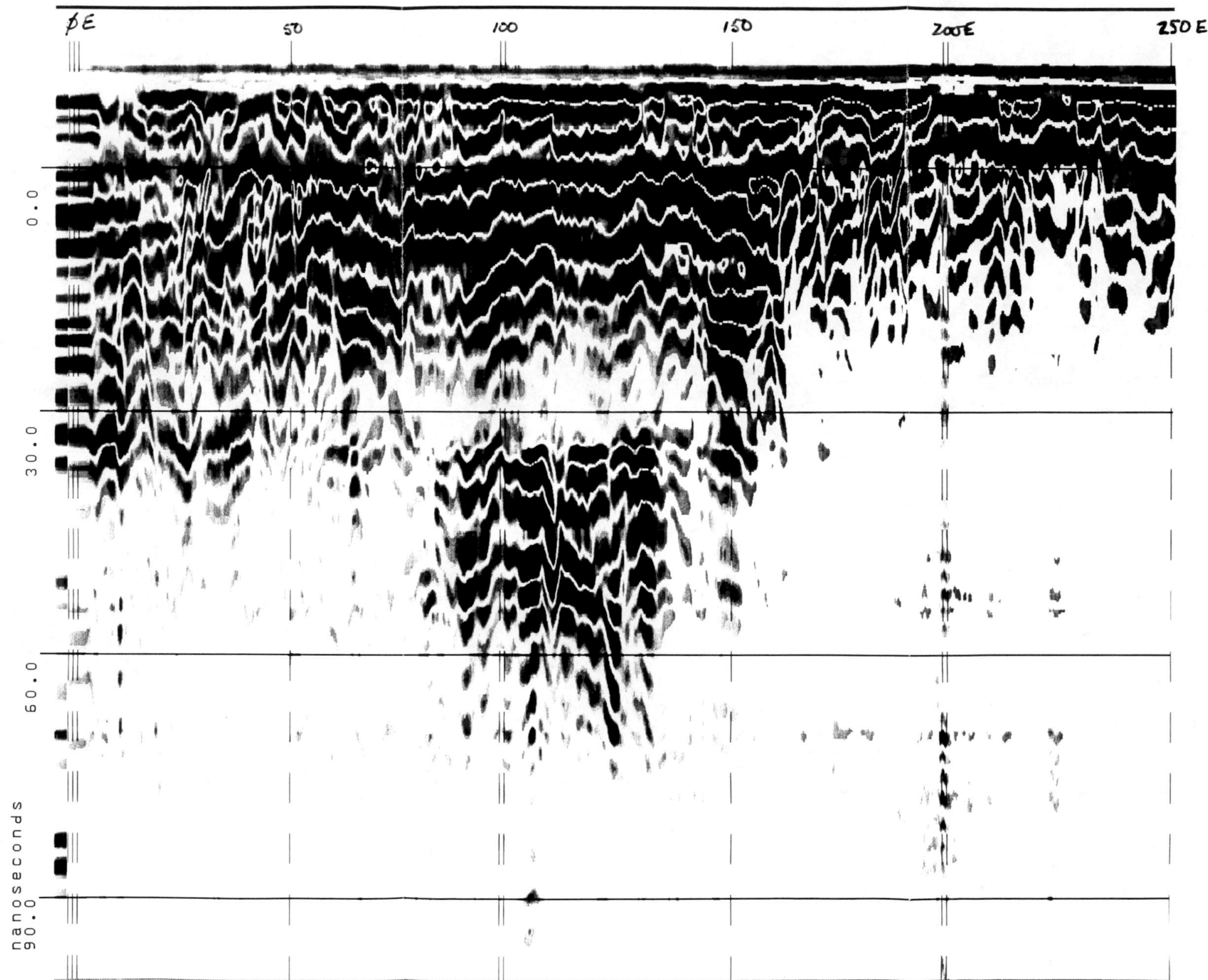
Ft. Monmouth NJ

Main Post Site M18

Line 80N, Marks at 50' intervals

Start: 0E End: 390E Repeat

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



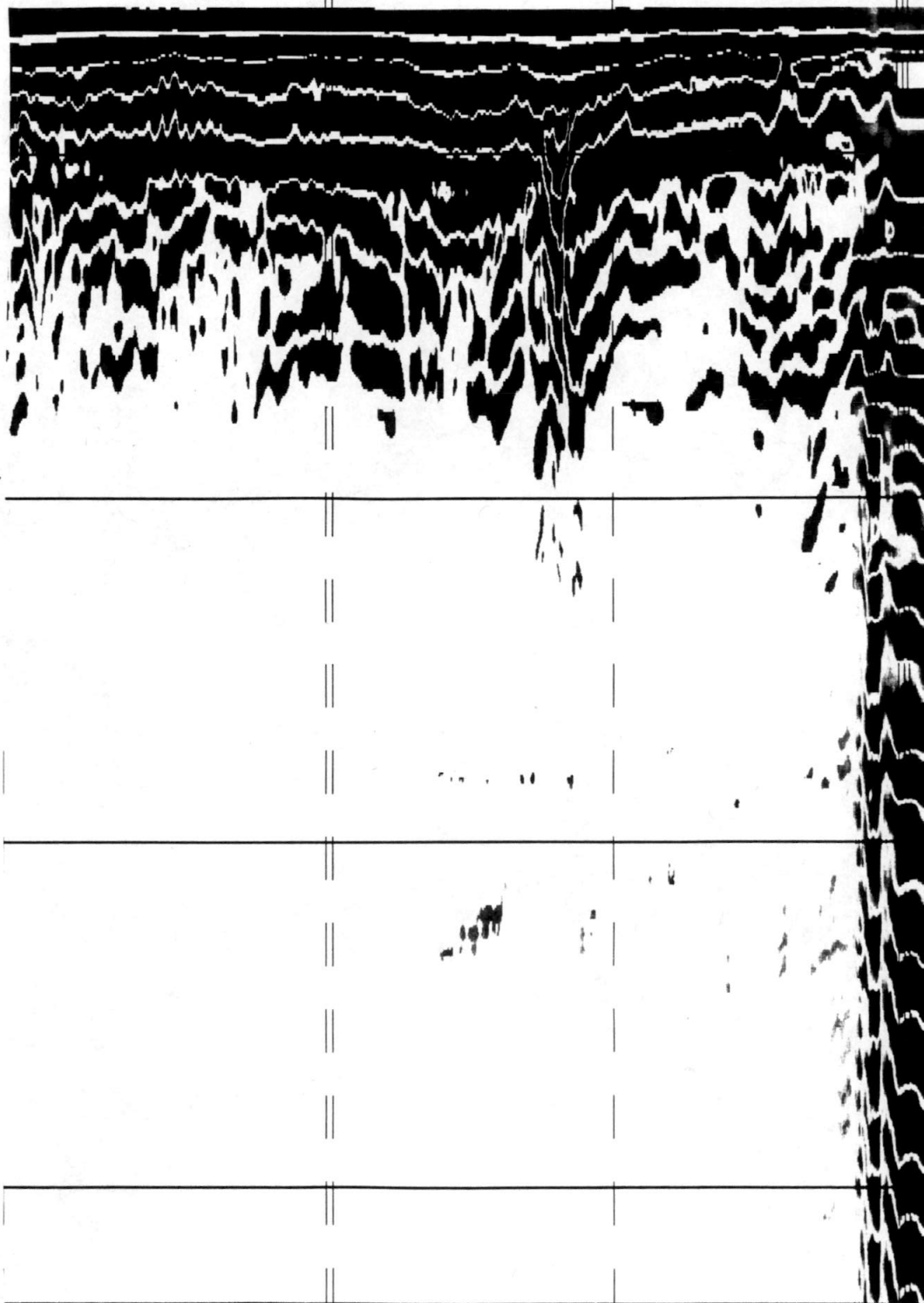


250 E

300

350

390 E



FILE 19 (CONTINUED)

File 20 FILE20 Created November 30, 1994 15:05:42

512 samples/scan 25.004 scans/sec  
Position: -6 nS range: 75 nS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert. IIR low pass N=2 F=38  
Horiz. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

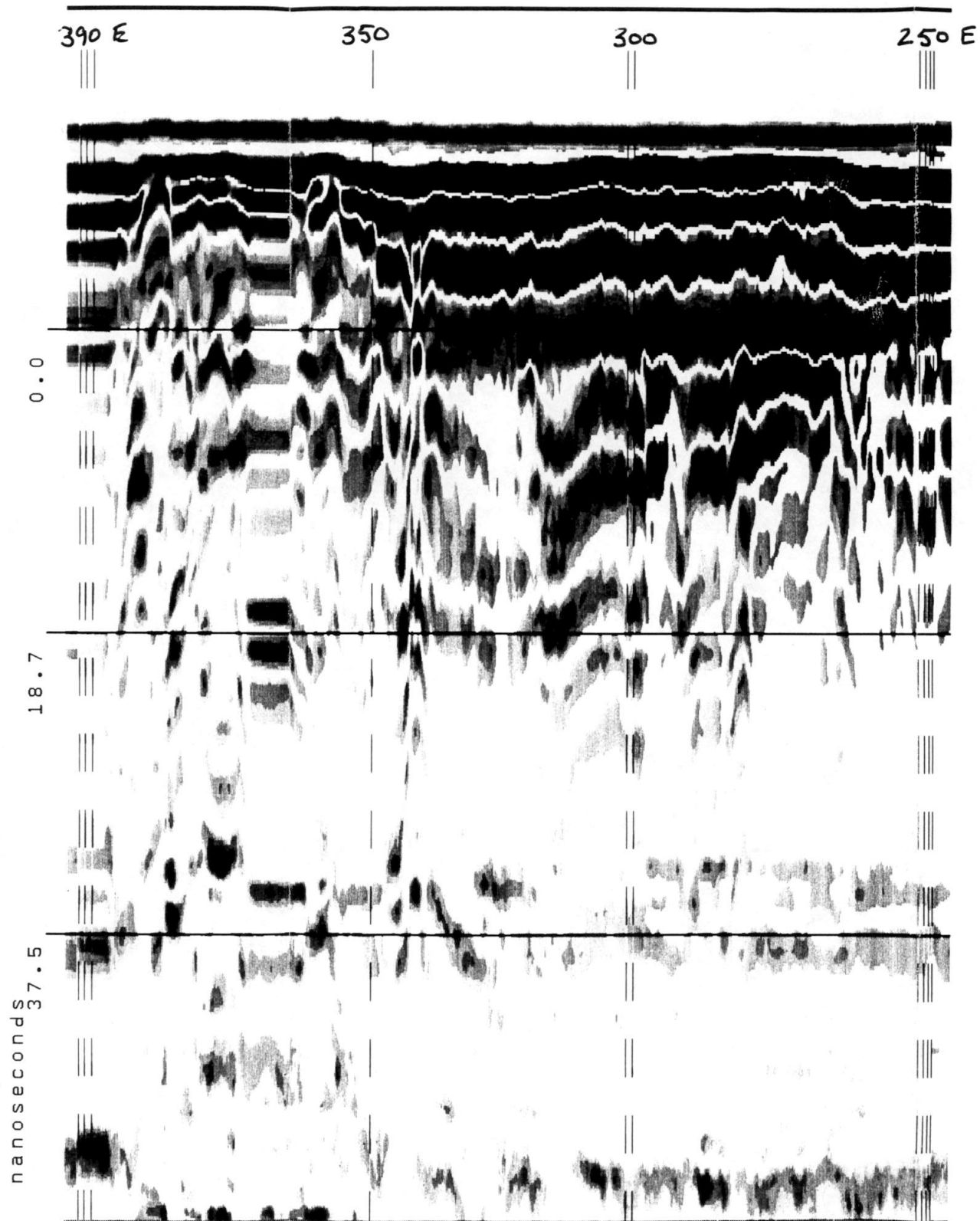
Ft. Monmouth NJ

Main Post Site M18

Line 90N, Marks at 50' intervals

Start: 390E End: 250E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 21 FILE21 Created November 30, 1994 15:09:04

512 samples/scan 25.004 scans/sec  
Position: -6 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert. IIR low Pass N=2 F=38  
Vert. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

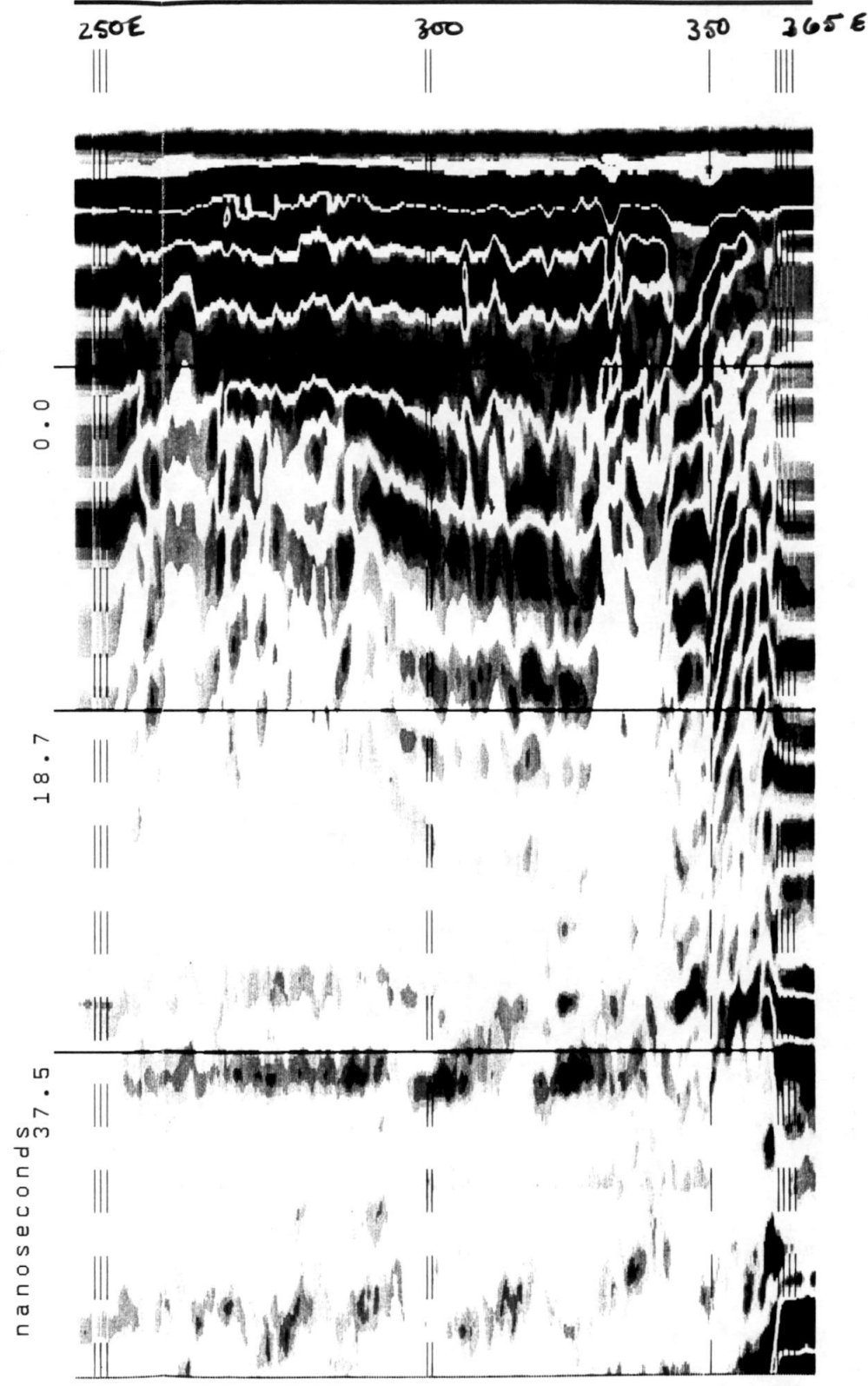
Ft. Monmouth NJ

Main Post Site M18

Line 100N, Marks at 50' intervals

Start: 250E End: 365E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 22 FILE22 Created November 30, 1994 15:16:10

512 samples/scan 25.004 scans/sec  
Position: -6 ns range: 75 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert. IIR low pass N=2 F=38  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

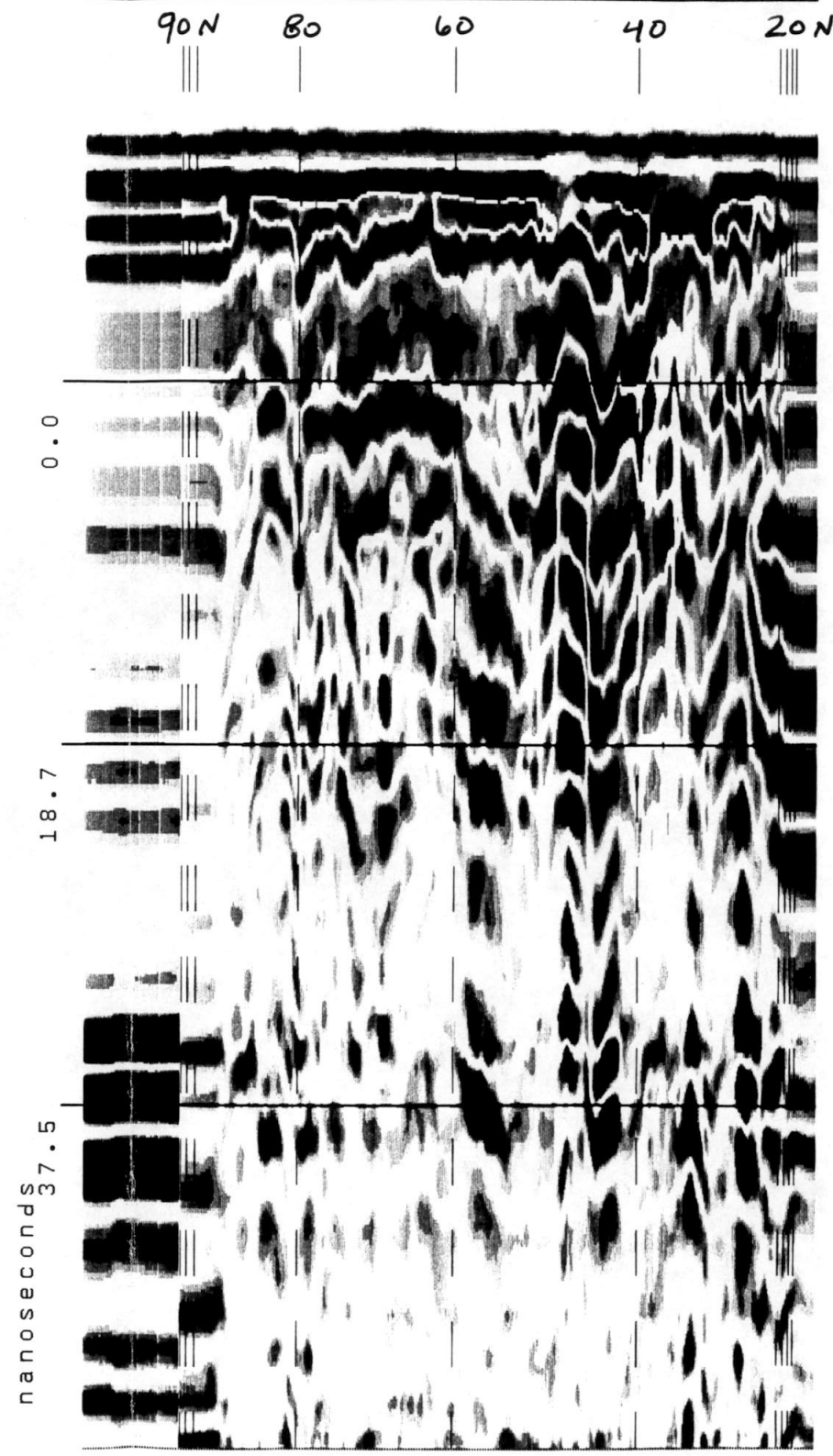
Ft. Monmouth NJ

Main Post Site M18

Line 390E, Marks at 20' intervals

Start: 90N End: 20N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 23 FILE23 Created November 30, 1994 15:21:30

512 samples/scan 25.004 scans/sec  
position: -6 ns range: 75 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert. IIR low pass N=2 F=38  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

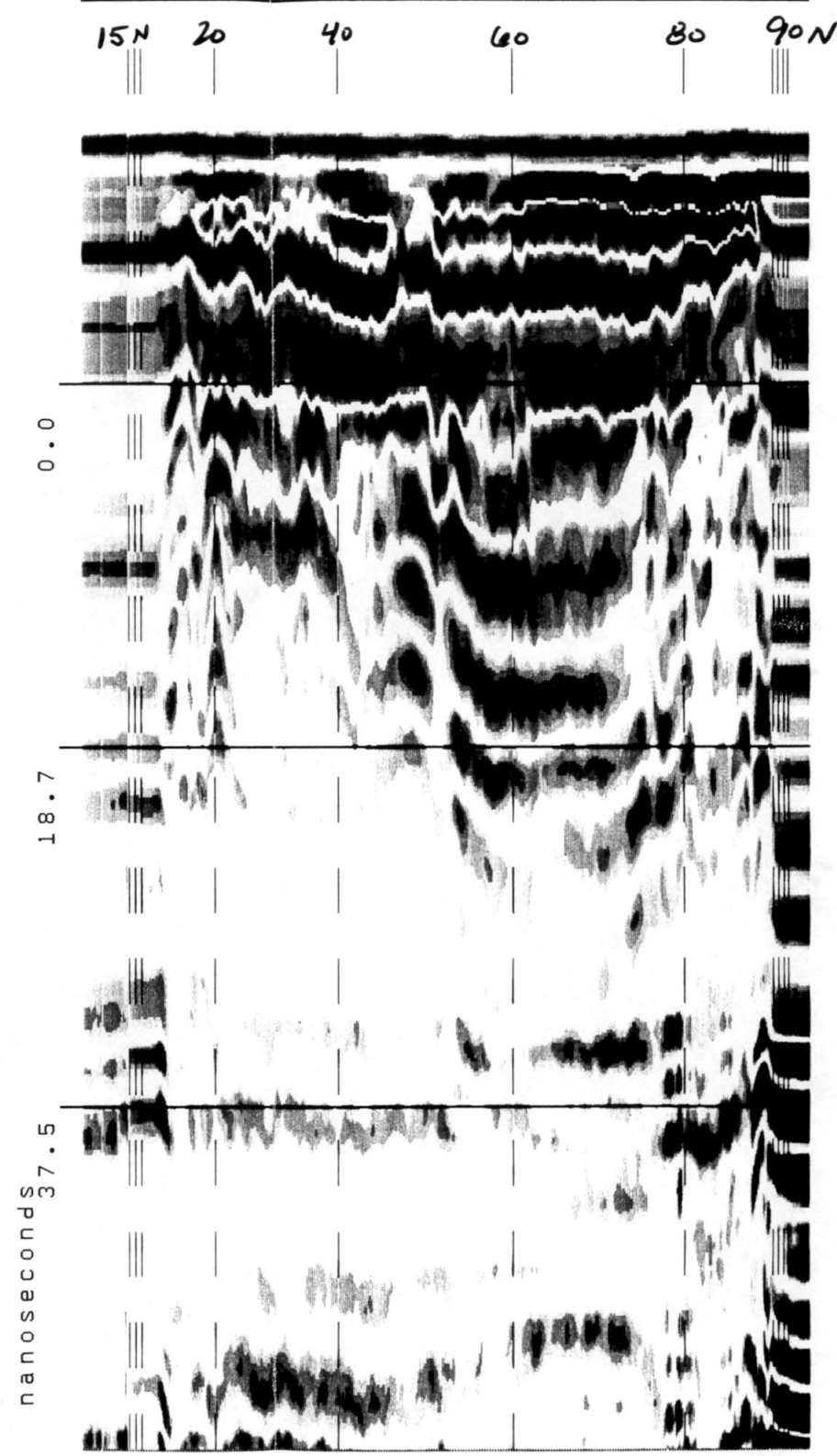
Ft. Monmouth NJ

Main Post Site M18

Line 375E, Marks at 20' intervals

Start: 15N End: 90N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 24 FILE24 Created November 30, 1994 15:25:04

512 samples/scan 25.004 scans/sec  
Position: -6 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert: IIR low pass N=2 F=38  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

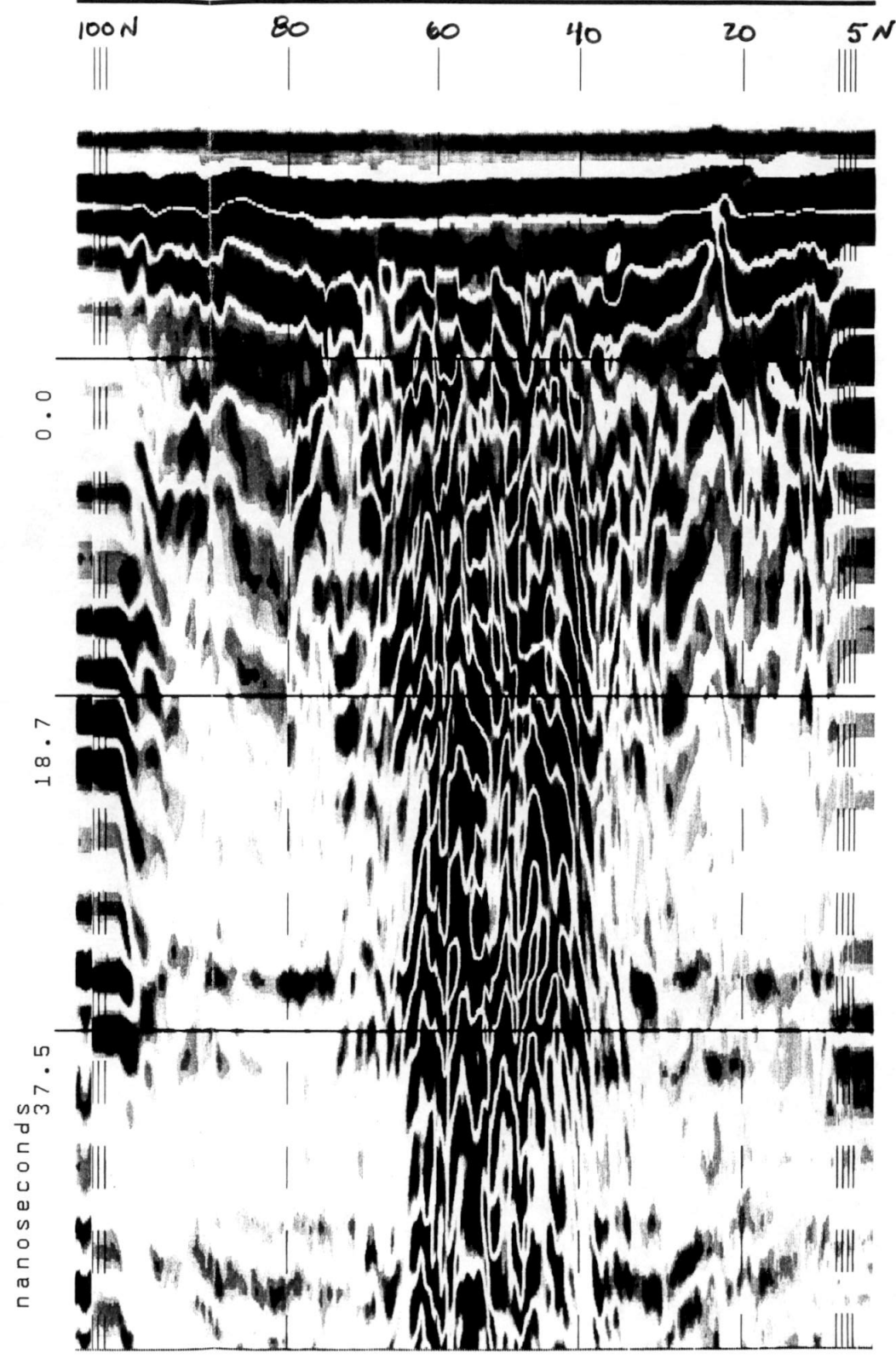
Ft. Monmouth NJ

Main Post Site M18

Line 350E, Marks at 20' intervals

Start: 100N End: 5N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 25 FILE25 Created November 30, 1994 15:30:42

512 samples/scan 25.004 scans/sec  
Position: -6 ns range: 75 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert. IIR low pass N=2 F=38  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

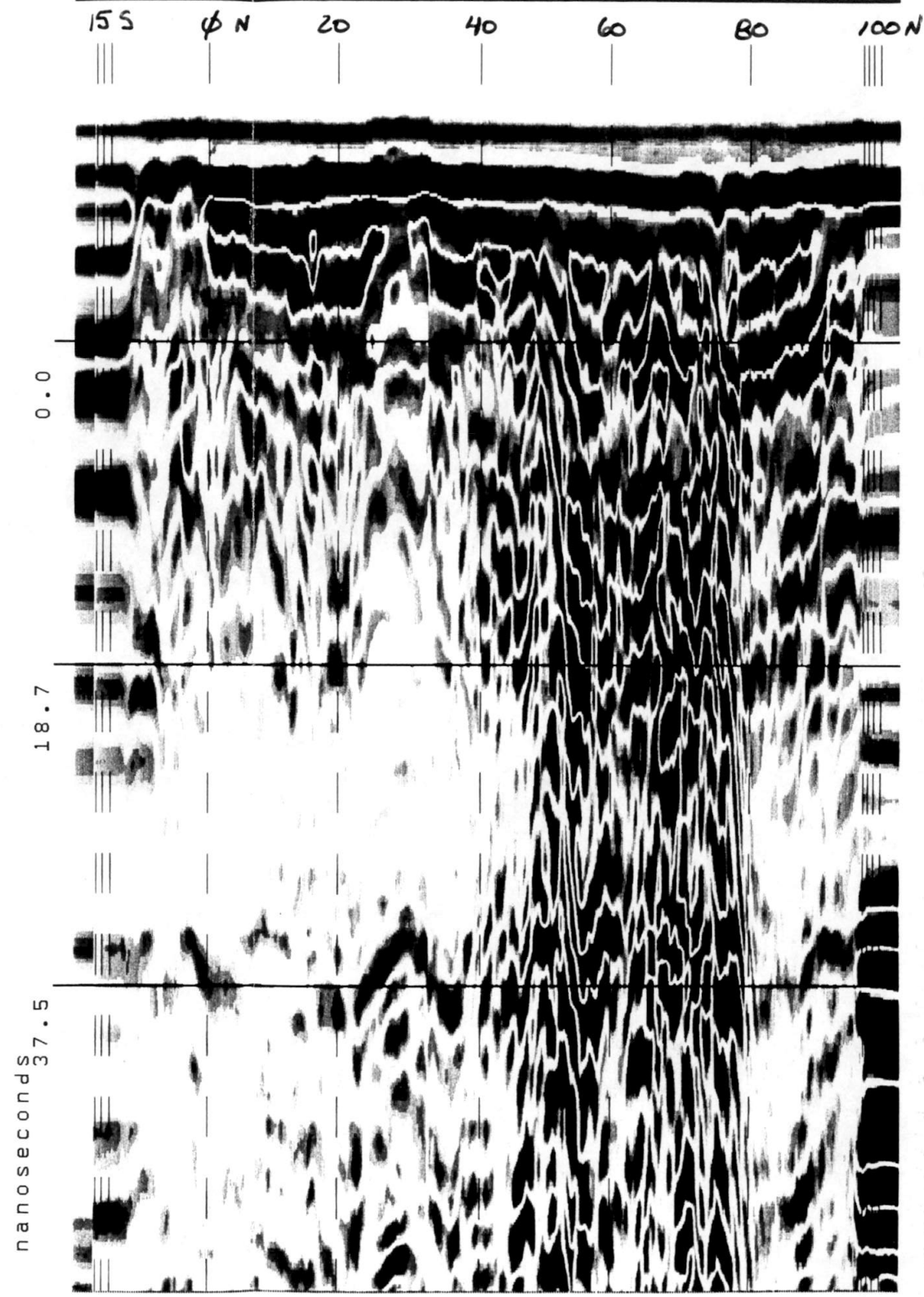
Ft. Monmouth NJ

Main Post Site M18

Line 340E, Marks at 20' intervals

Start: 15S End: 100N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 26 FILE26 Created November 30, 1994 15:38:12

512 samples/scan 25.004 scans/sec  
Position: -6 nS range: 75 nS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert: IIR low pass N=2 F=38  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

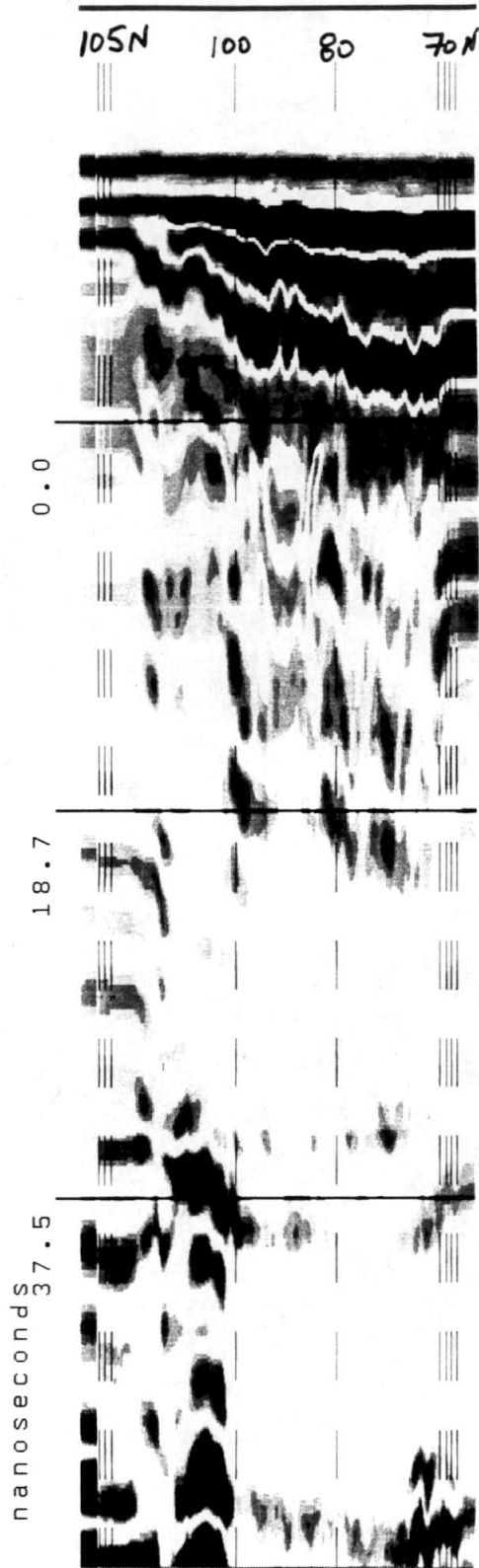
Ft. Monmouth NJ

Main Post Site M18

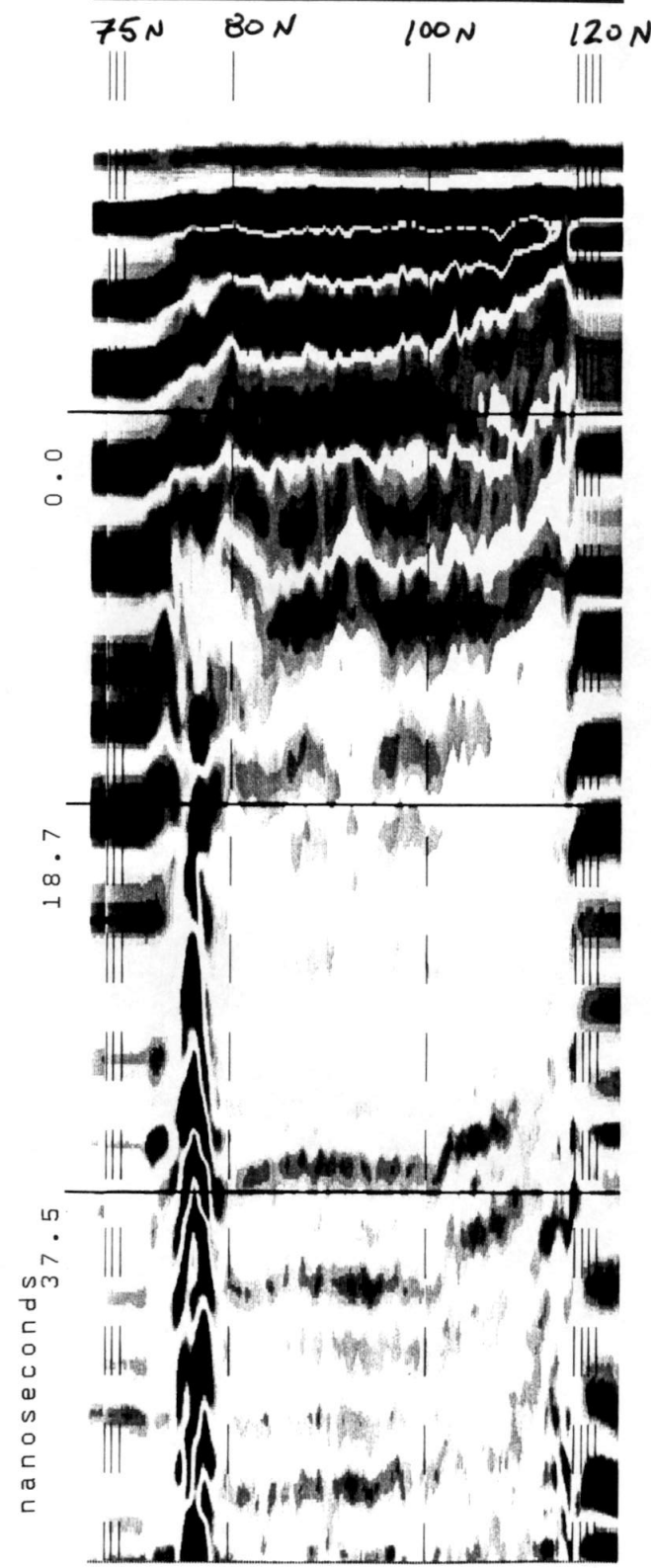
Line 325E, Marks at 20' intervals

Start: 105N End: 70N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 27 FILE27 Created November 30, 1994 15:42:32  
 512 samples/scan 25.004 scans/sec  
 Position: -6 ns range: 75 ns 8 Bits  
 Dielectric Constant: 0 Antenna: 3102  
 Range Gain 4 9 25 44 51  
 Vert. IIR low pass N=2 F=38  
 Vert. IIR high pass N=2 F=8  
 Horiz. IIR stacking TC=4  
 Ft. Monmouth NJ  
 Main Post Site M18  
 Line 300E, Marks at 20' intervals  
 Start: 75N End: 120N  
 Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 28 FILE28 Created November 30, 1994 15:46:42

512 samples/scan 25.004 scans/sec  
Position: -6 nS range: 75 nS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert. IIR low pass N=2 F=38  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

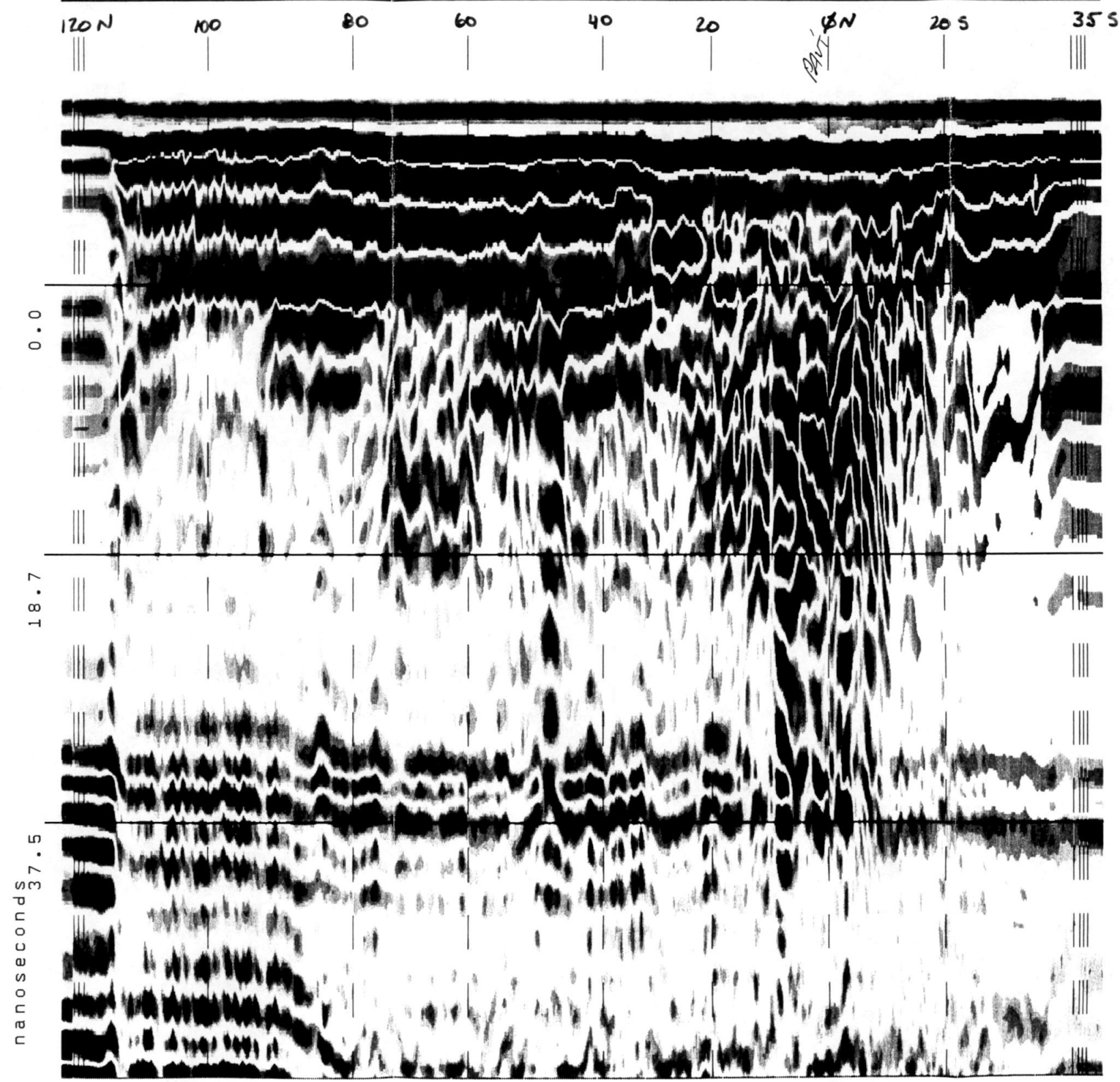
Ft. Monmouth NJ

Main Post Site M18

Line 275E, Marks at 20' intervals

Start: 120N End: 35S

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 29 FILE29 Created November 30, 1994 15:50:32

512 samples/scan 25.004 scans/sec  
position: -6 ns range: 75 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert. IIR low pass N=2 F=38

Vert. IIR high pass N=2 F=8

Horiz. IIR stacking TC=4

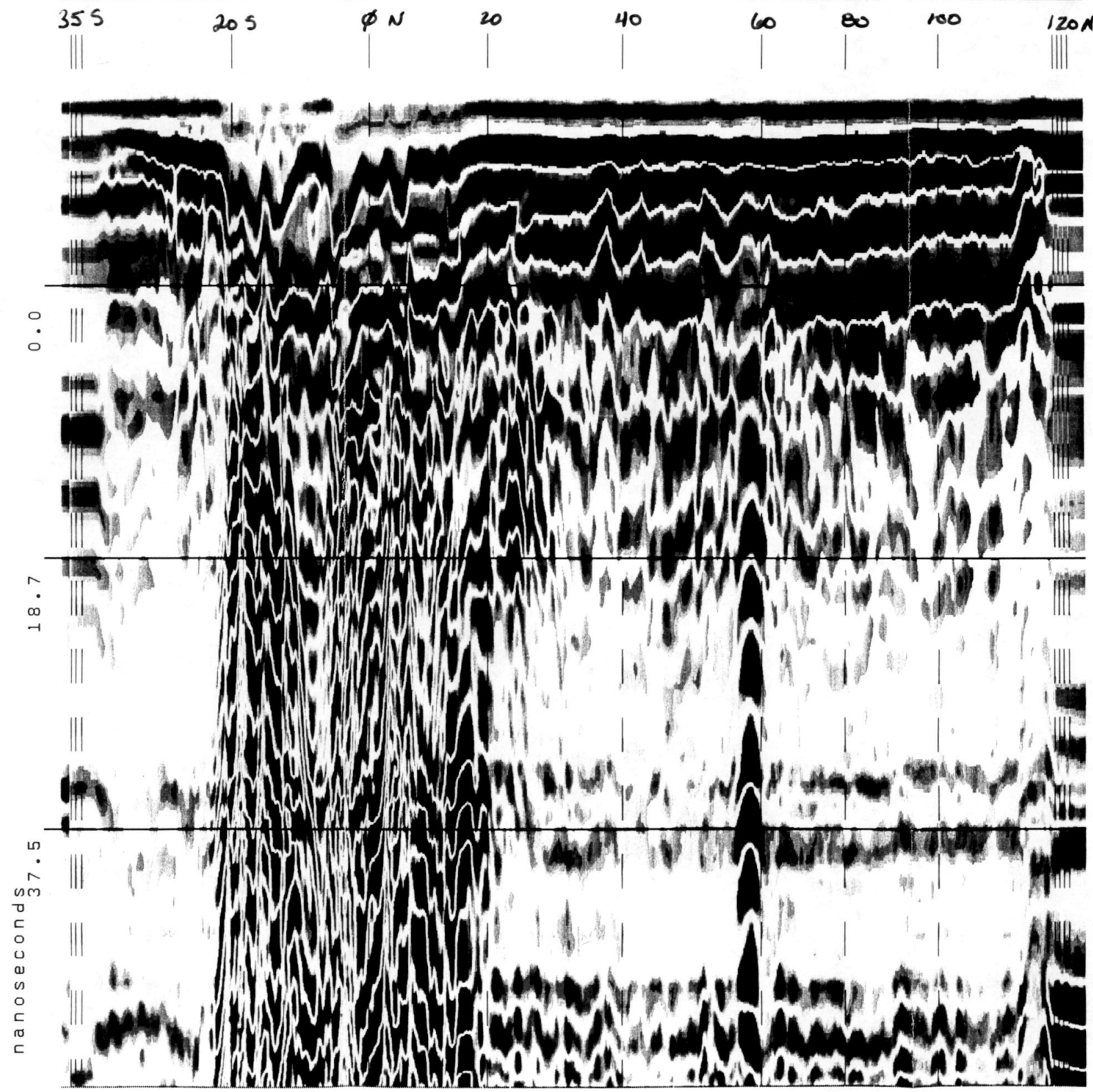
Ft. Monmouth NJ

Main Post Site M18

Line 290E, Marks at 20' intervals

Start: 35S End: 120N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 30 FILE30 Created November 30, 1994 15:55:50

512 samples/scan 25.004 scans/sec  
Position: -6 ns range: 75 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert. IIR low pass N=2 F=38  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

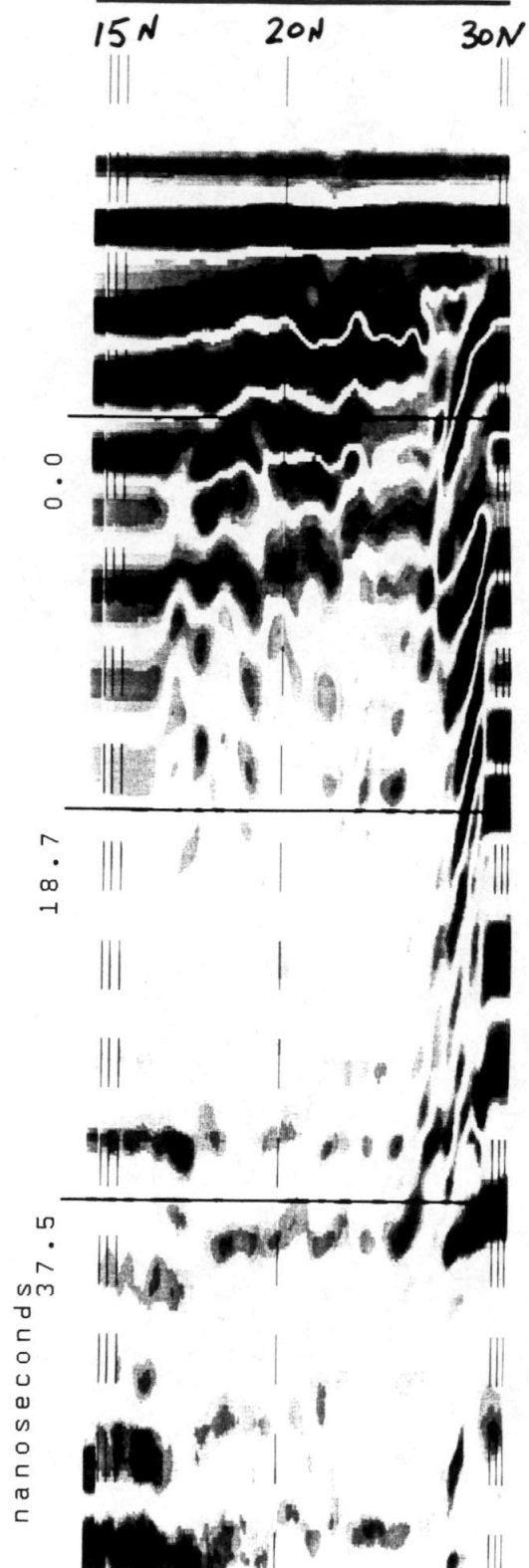
Ft. Monmouth NJ

Main Post Site M18

Line 315E, Marks at 20' intervals

Start: 15N End: 30N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 31 FILE31 Created November 30, 1994 15:58:34

512 samples/scan 25.004 scans/sec  
Position: -6 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert. IIR low pass N=2 F=38  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

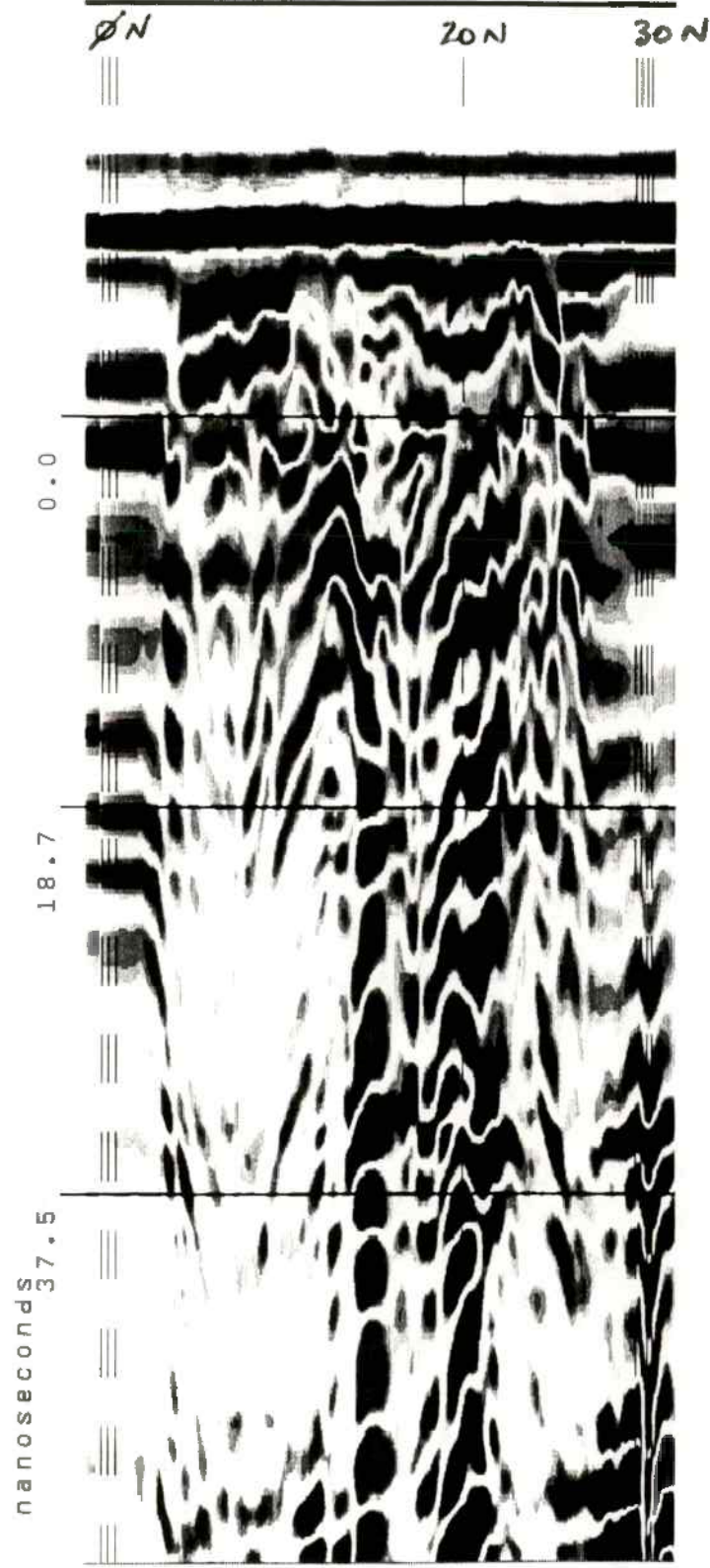
Ft. Monmouth NJ

Main Post Site M18

Line 300E, Marks at 20' intervals

Start: 0N End: 30N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 32 FILE32 Created November 30, 1994 16:26:54

512 samples/scan 25.004 scans/sec  
Position: -6 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert: IIR low Pass N=2 F=38  
Vert: IIR high Pass N=2 F=8  
Horiz: IIR stacking TC=4

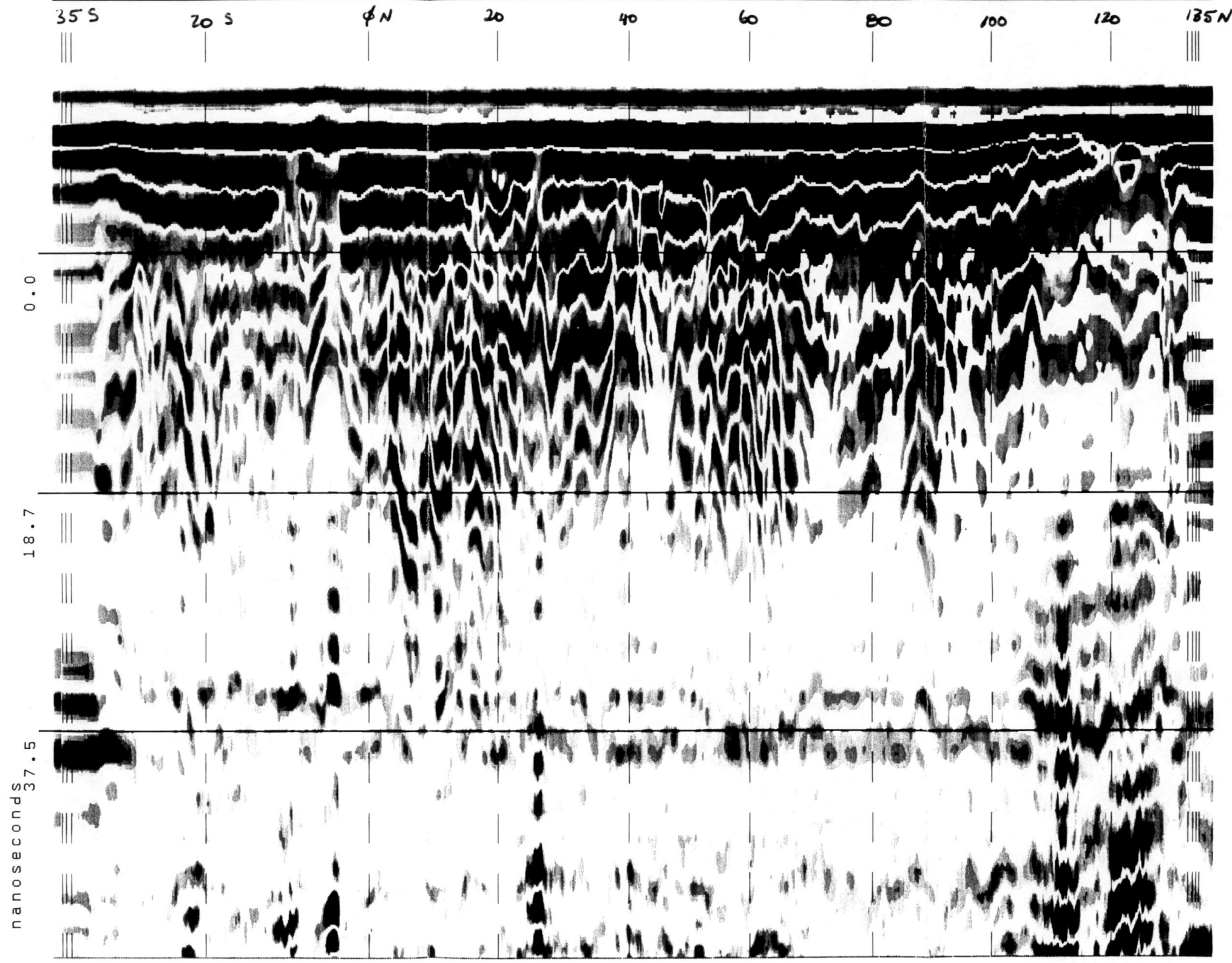
Ft. Monmouth NJ

Main Post Site M18

Line 250E, Marks at 20' intervals

Start: 35S End: ~~120N~~ 135 *W*

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 33 FILE33 Created November 30, 1994 16:31:06

512 samples/scan 25.004 scans/sec  
Position: -6 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert. IIR low pass N=2 F=38  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

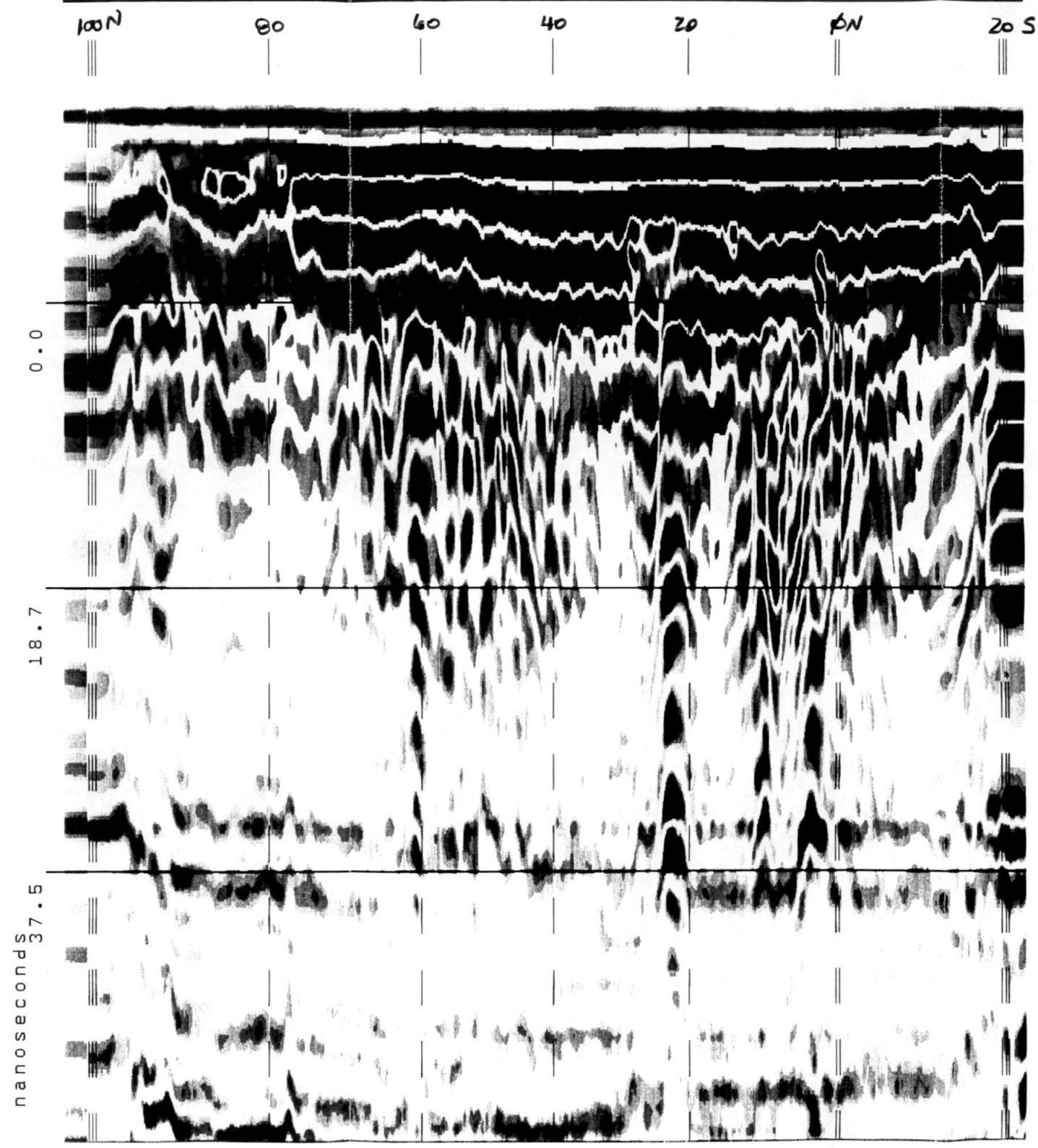
Ft. Monmouth NJ

Main Post Site M18

Line 225E, Marks at 20' intervals

Start: 100N End: 20S

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 34 FILE34 Created November 30, 1994 16:35:44

512 samples/scan 25.004 scans/sec  
Position: -6 nS range: 75 nS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert: IIR low pass N=2 F=38  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

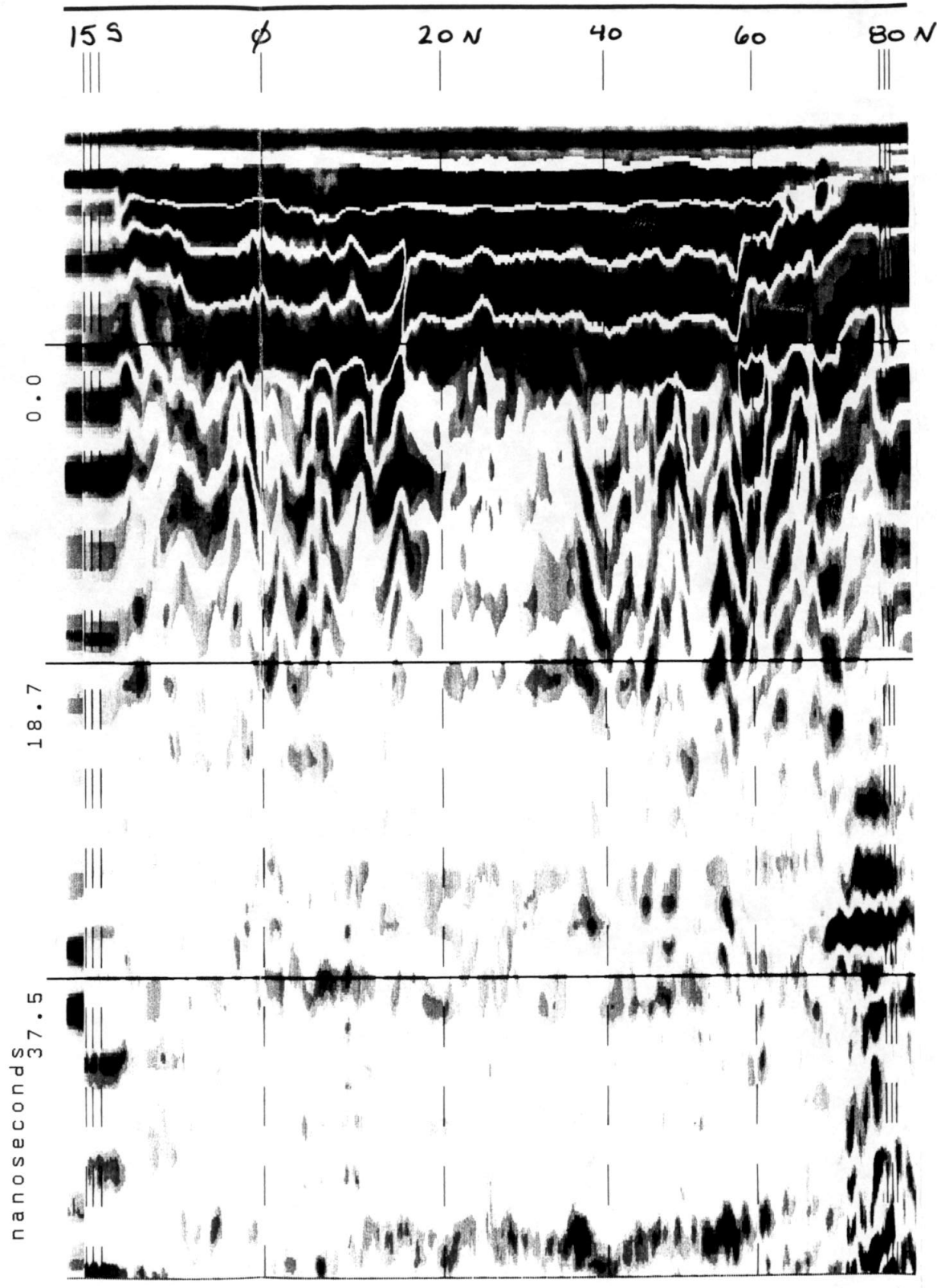
Ft. Monmouth NJ

Main Post Site M18

Line 200E, Marks at 20' intervals

Start: 15S End: 80N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 35 FILE35 Created November 30, 1994 16:41:16

512 samples/scan 25.004 scans/sec  
Position: -6 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert: IIR low Pass N=2 F=38  
Vert: IIR high Pass N=2 F=8  
Horiz: IIR stacking TC=4

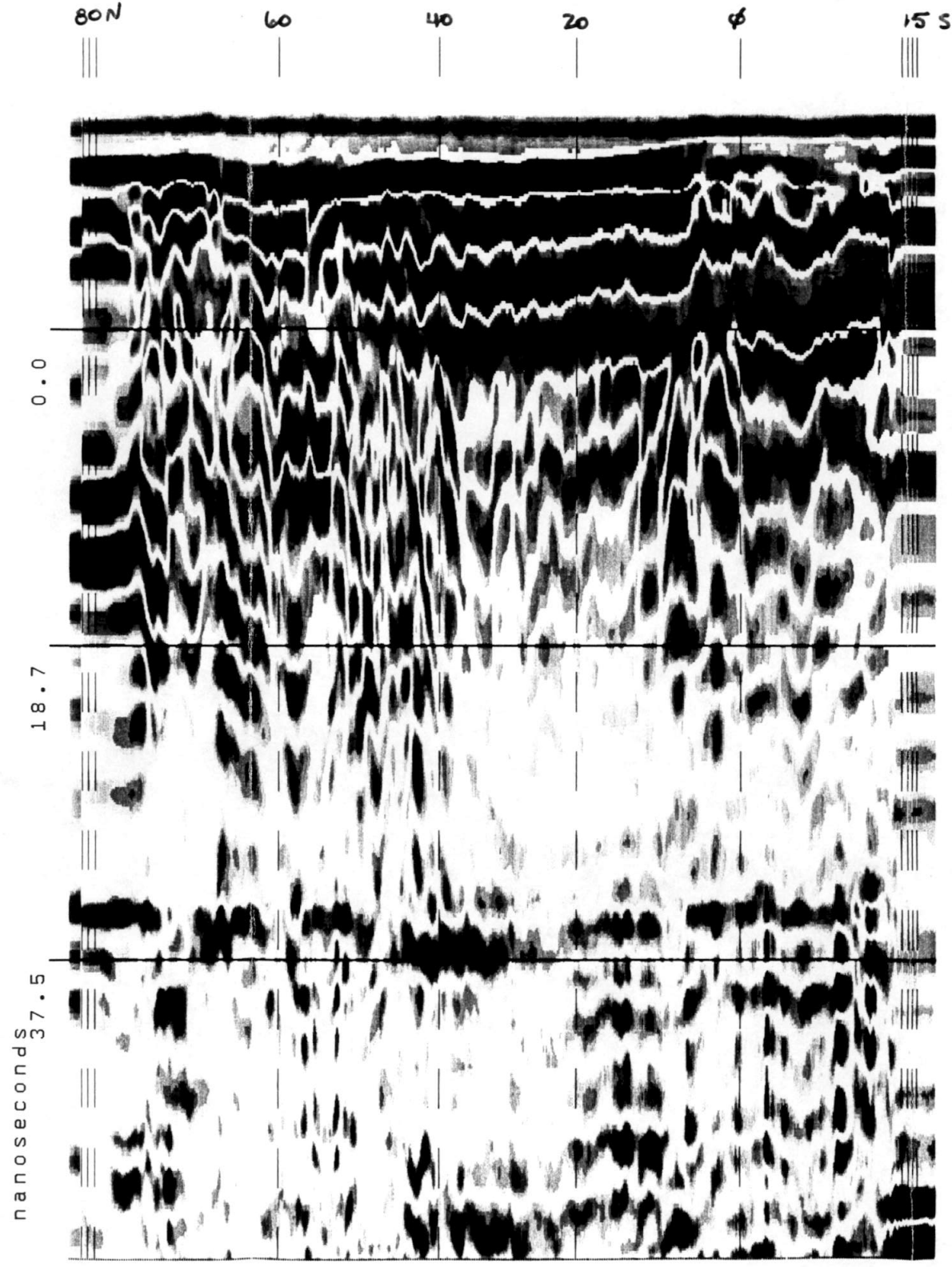
Ft. Monmouth NJ

Main Post Site M18

Line 175E, Marks at 20' intervals

Start: 80N End: 15S

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 36 FILE36 Created November 30, 1994 16:45:38

512 samples/scan 25.004 scans/sec  
Position: -6 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert. IIR low pass N=2 F=38  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

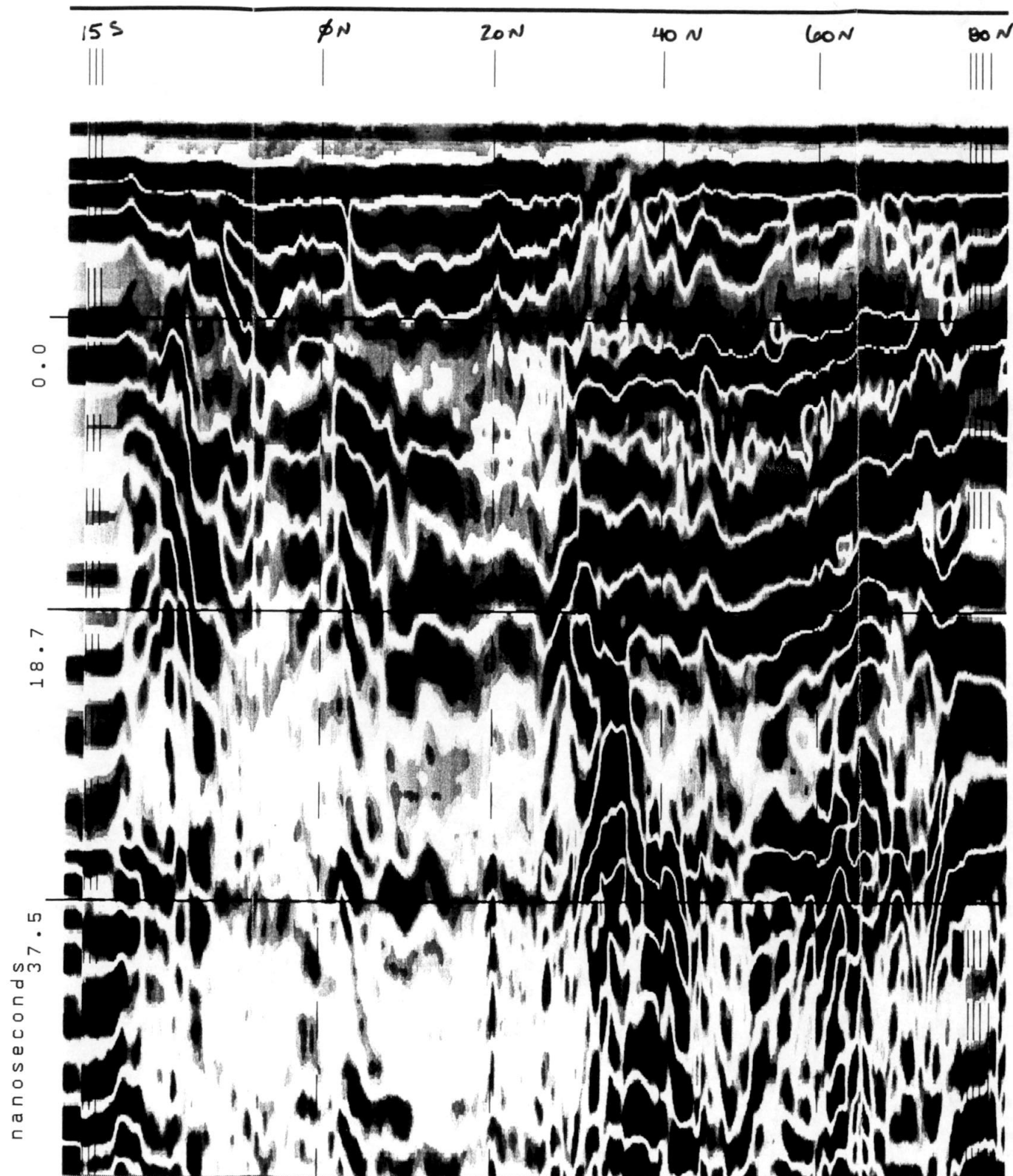
Ft. Monmouth NJ

Main Post Site M18

Line 150E, Marks at 20' intervals

Start: 15S End: 80N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 37 FILE37 Created November 30, 1994 16:56:26

512 samples/scan 25.004 scans/sec  
Position: -6 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert. IIR low pass N=2 F=38  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

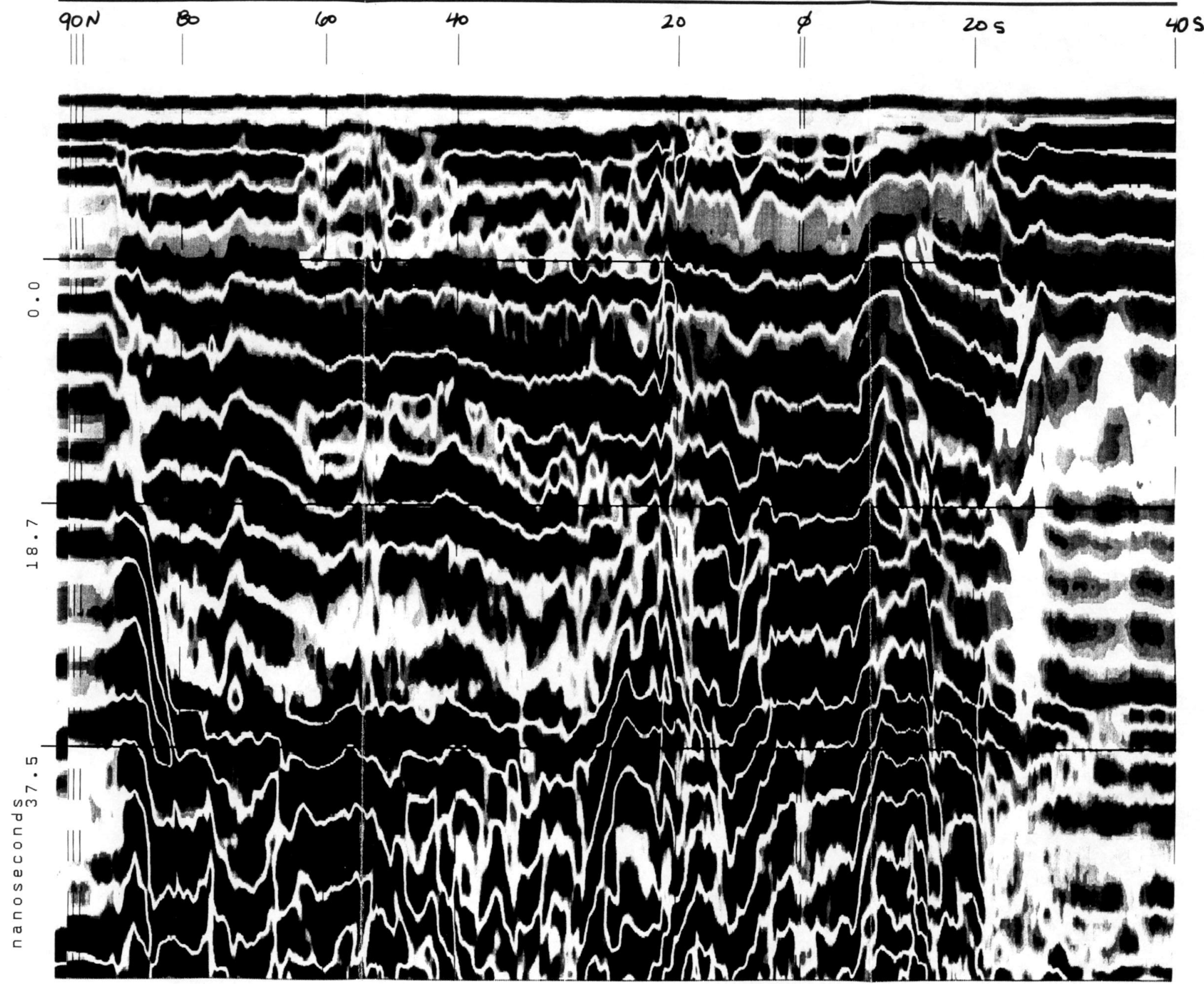
Ft. Monmouth NJ

Main Post Site M18

Line 125E, Marks at 20' intervals

Start: 90N End: 80S

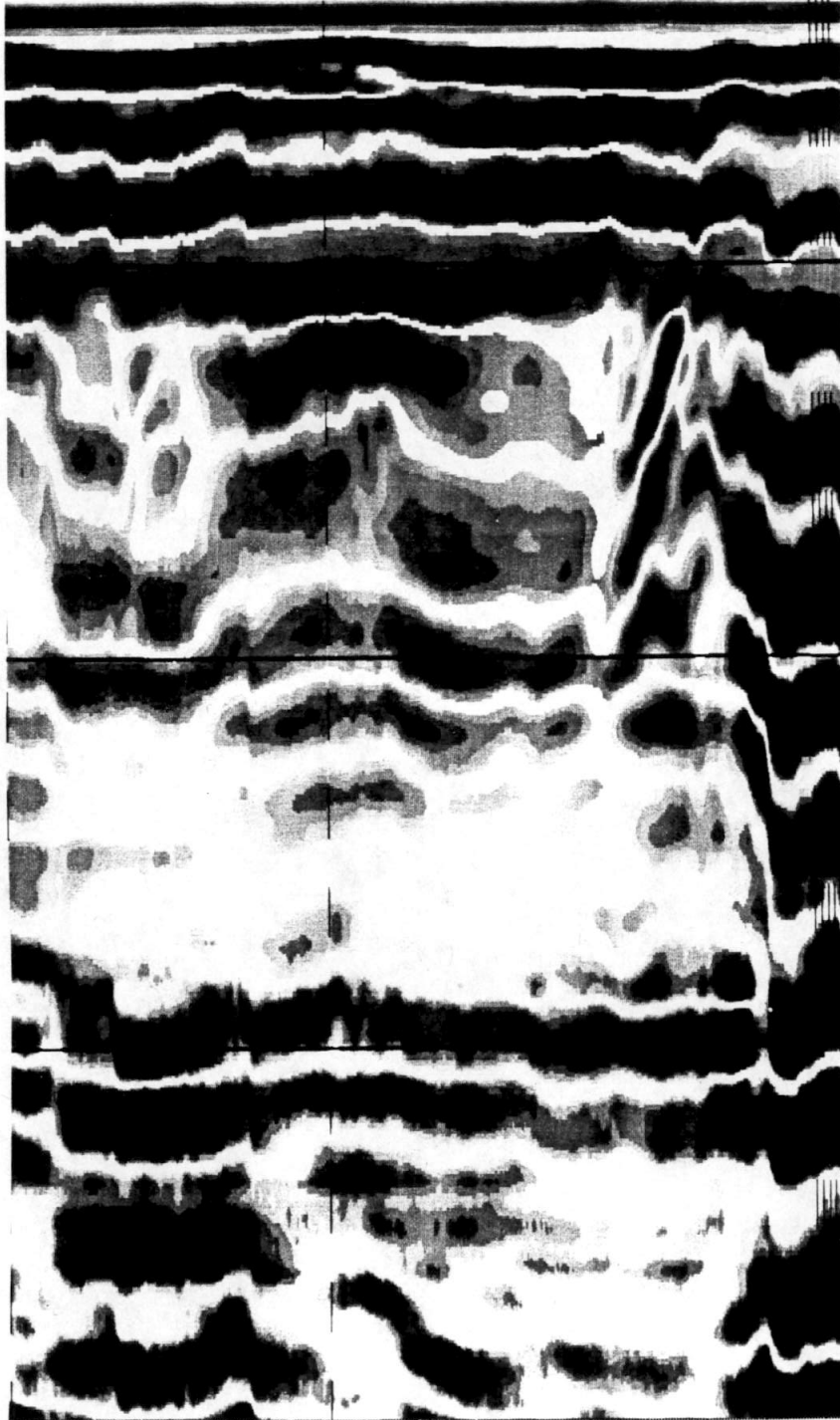
Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



40 S

60 S

80 S



FILE 37 (CONTINUED)

File 38 FILE38 Created November 30,1994 17:02:18

512 samples/scan 25.004 scans/sec  
Position: -6 NS range: 75 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert. IIR low pass N=2 F=38  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

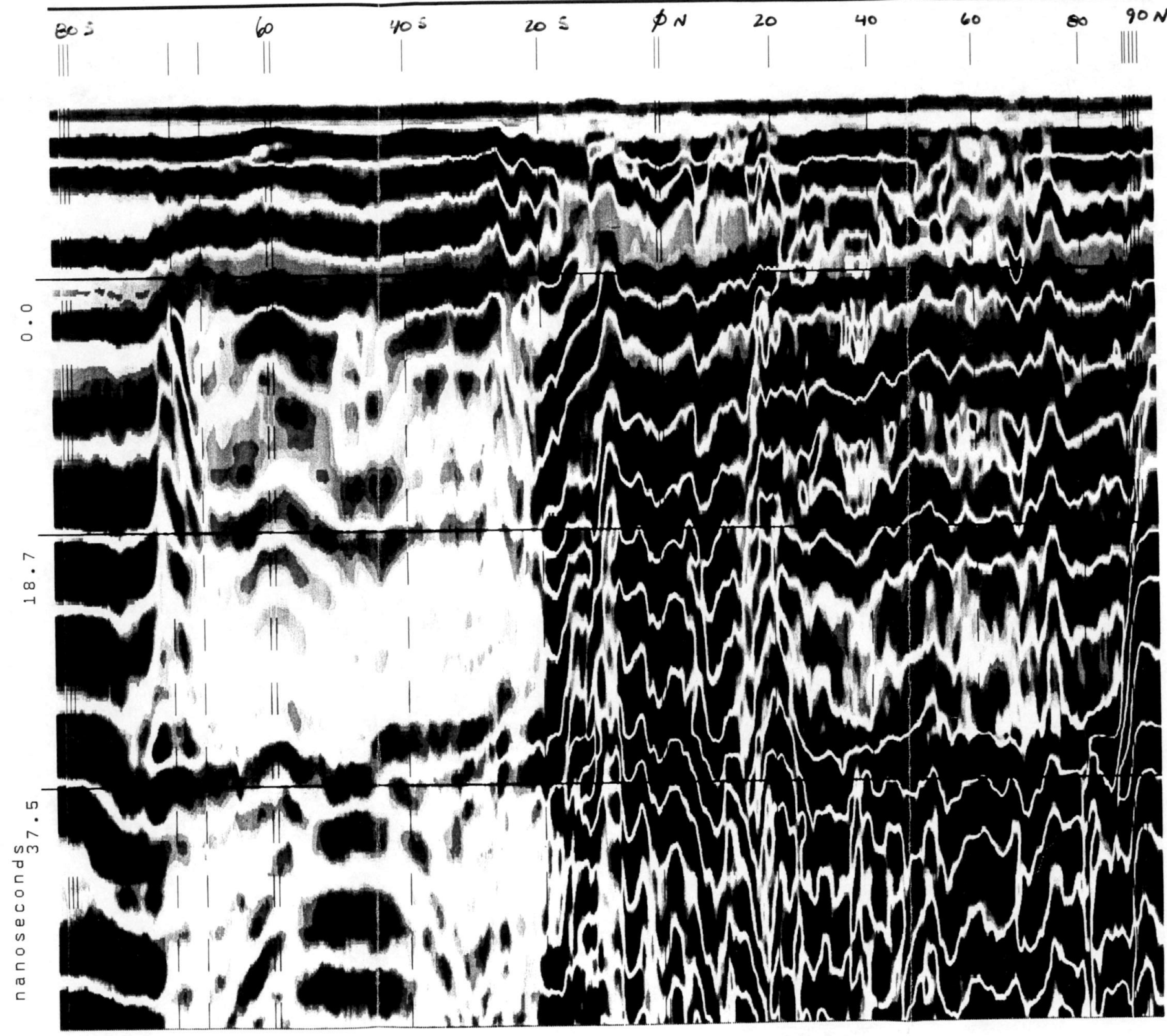
Ft. Monmouth NJ

Main Post Site M18

Line 125E, Marks at 20' intervals

Start: 80S End: 90N Repeat

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 40 FILE40 Created November 30, 1994 17:10:56

512 samples/scan 25.004 scans/sec  
Position: -6 ns range: 75 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert. IIR low Pass N=2 F=38  
Vert. IIR high Pass N=2 F=8  
Horiz. IIR stacking TC=4

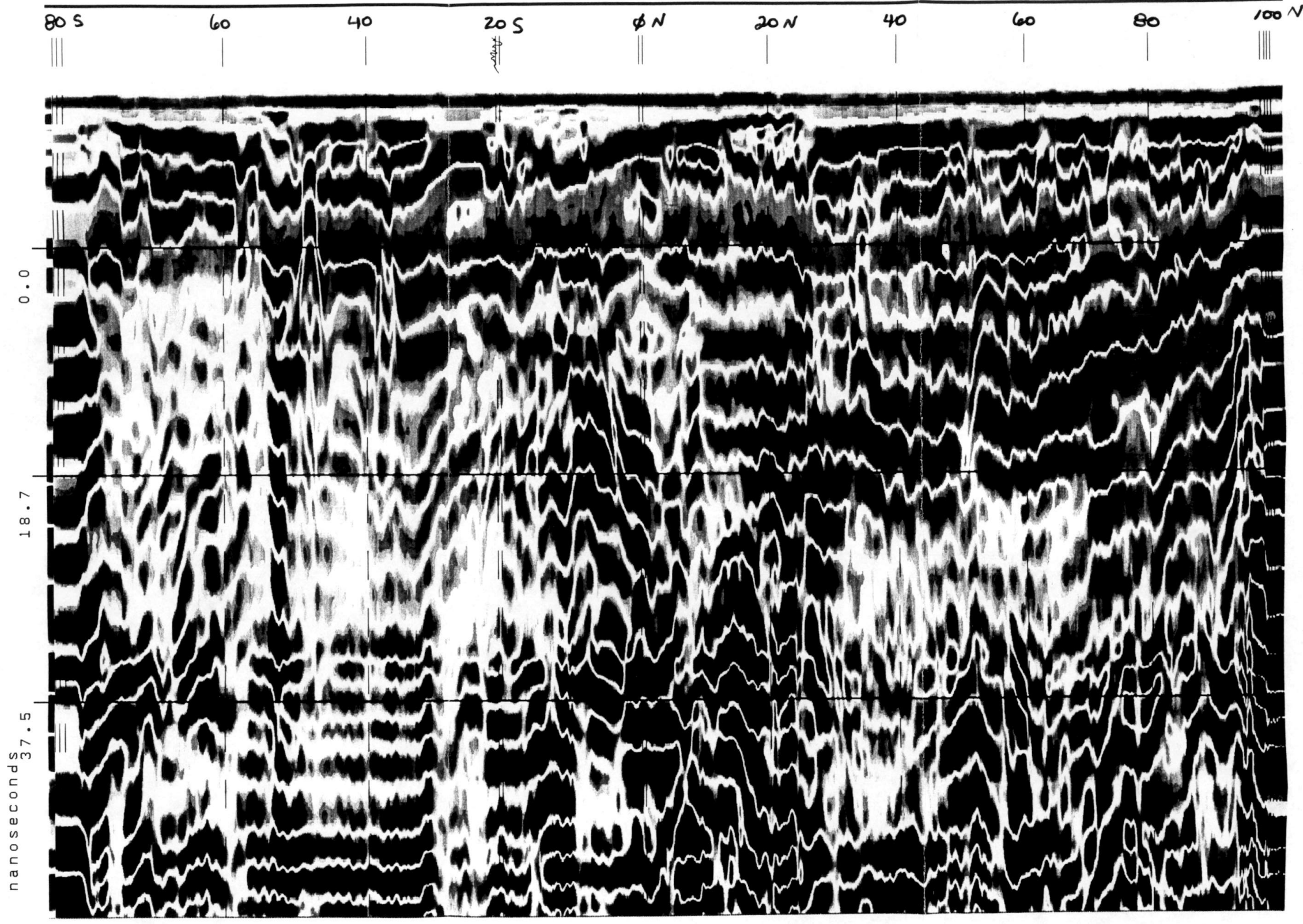
Ft. Monmouth NJ

Main Post Site M18

Line 75E, Marks at 20' intervals

Start: 80S End: 100N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 41 FILE41 Created November 30, 1994 17:17:08

512 samples/scan 25.004 scans/sec  
Position: -6 NS range: 75 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 9 25 44 51

Vert. IIR low pass N=2 F=38  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

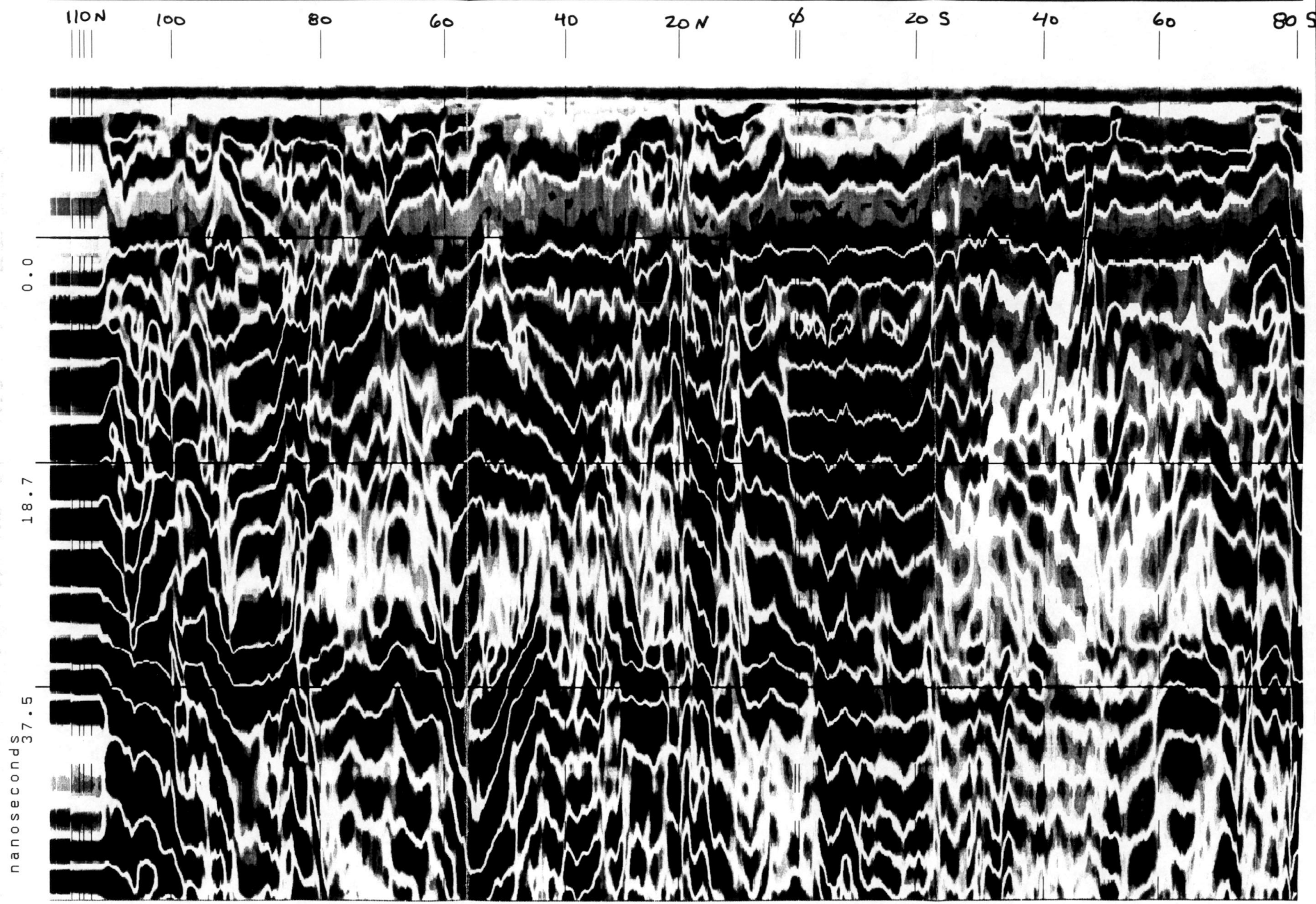
Ft. Monmouth NJ

Main Post Site M18

Line 50E, Marks at 20' intervals

Start: 110N End: 80S

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 42 FILE42 Created November 30, 1994 17:20:56

512 samples/scan 25.004 scans/sec  
Position: -6 ns range: 120 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 14 29 45 52

Vert: IIR low Pass N=2 F=60  
Vert: IIR high Pass N=2 F=10  
Horiz: IIR stacking TC=4

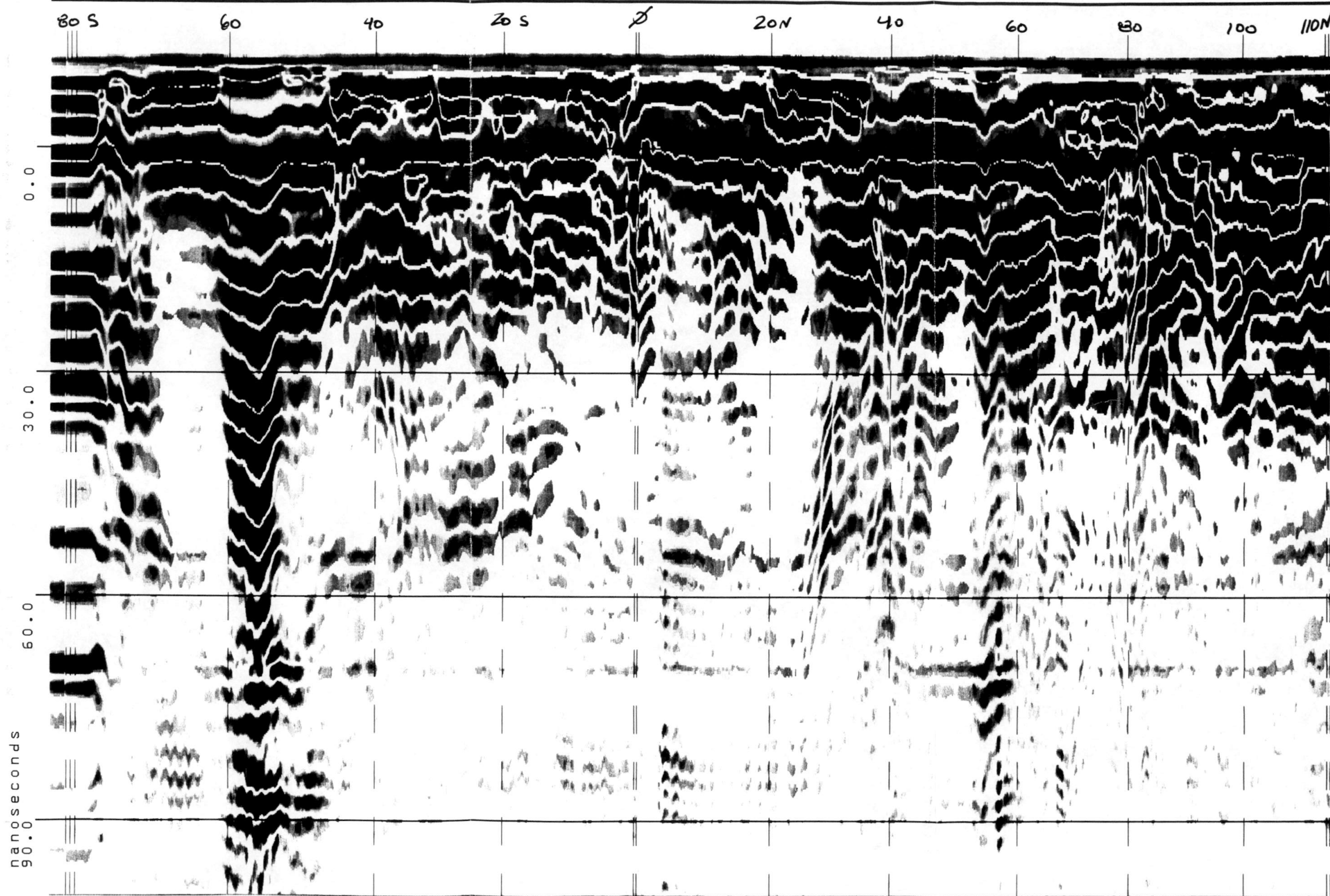
Ft. Monmouth NJ

Main Post Site M18

Line 25E, Marks at 20' intervals

Start: 80S End: 110N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 43 FILE43 Created November 30, 1994 17:25:48

512 samples/scan 25.004 scans/sec  
Position: -6 ns range: 120 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain 4 14 29 45 52

Vert. IIR low pass N=2 F=60  
Vert. IIR high pass N=2 F=10  
Horiz. IIR stacking TC=4

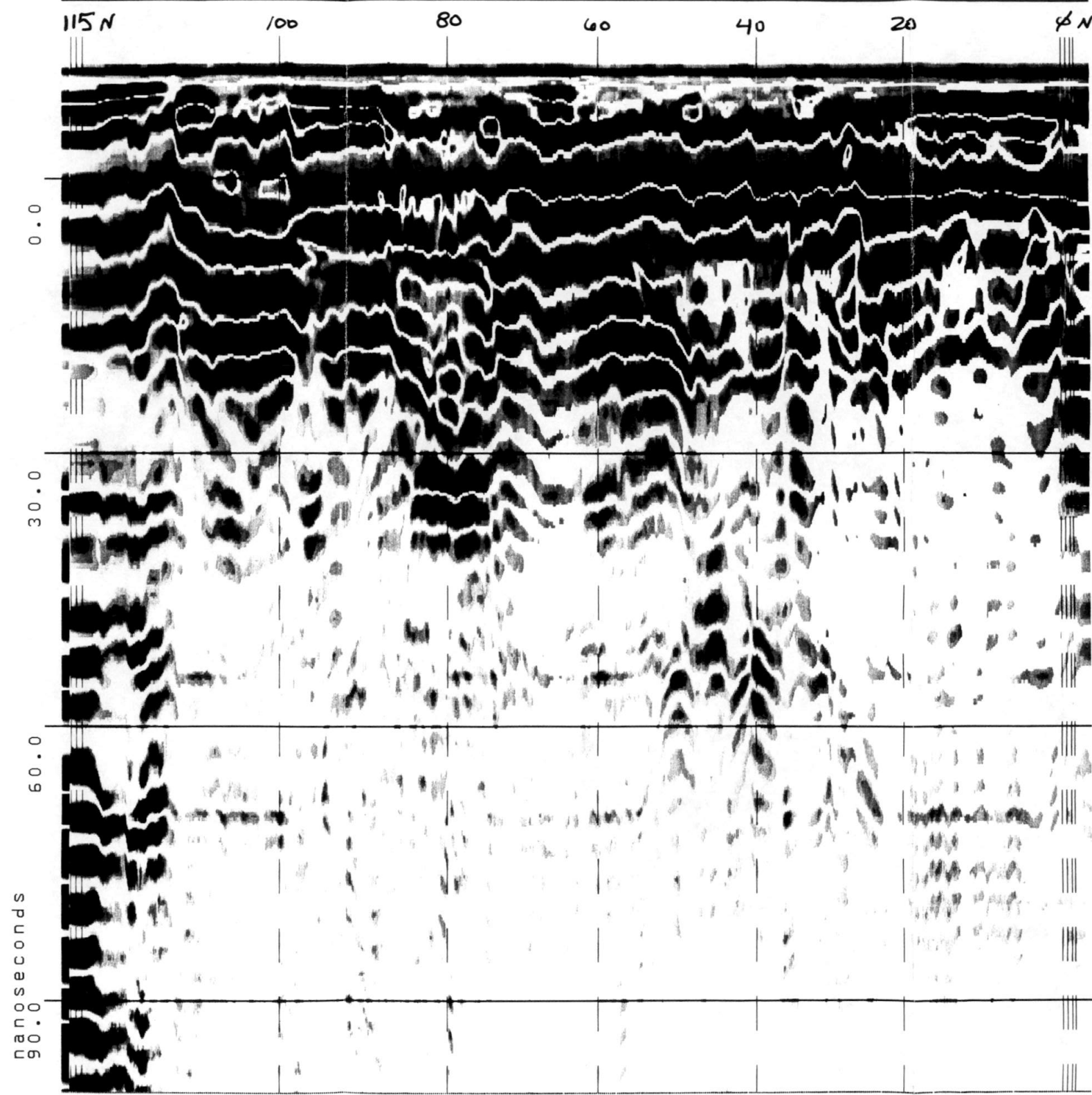
Ft. Monmouth NJ

Main Post Site M18

Line 15E, Marks at 20' intervals

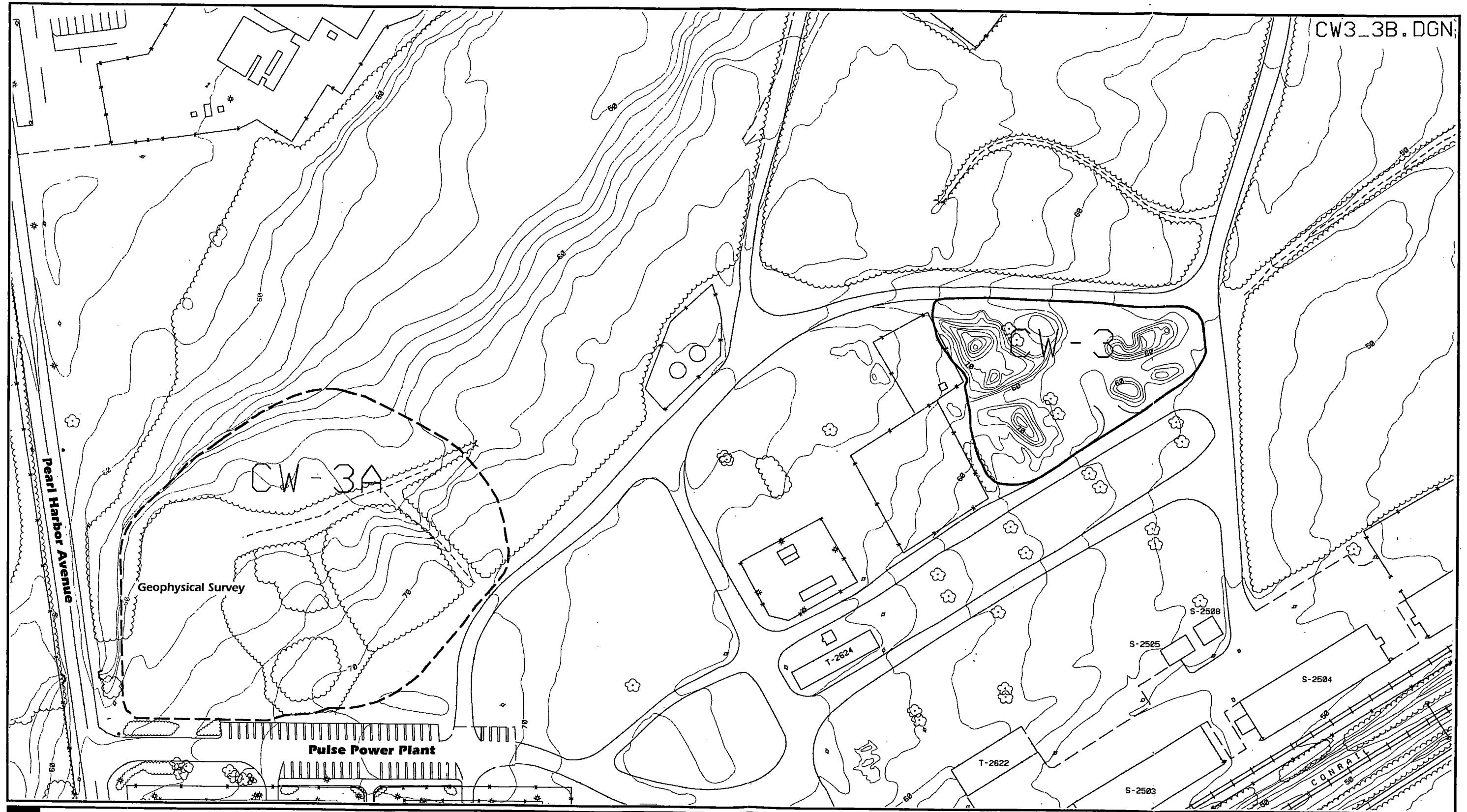
Start: 115N End: 0N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



**SITE CW-3A**  
**GROUND PENETRATING RADAR PROFILES**

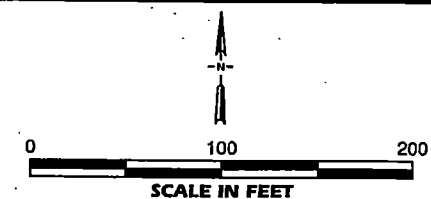
Note: GPR grid coordinates are referenced to the electromagnetic and magnetometer survey grid coordinates as depicted on Figures 4.3-7 and 4.2-10 of the WESTON Final Site Investigation Report, December 1995.



**LEGEND**

- |                           |              |                      |
|---------------------------|--------------|----------------------|
| — Road (paved)            | Wooded Area  | Site                 |
| --- Road/Trails (unpaved) | Tree/Bush    | Brook/Creek          |
| *** Fence                 | Light Pole   | Base Boundary        |
| □ Building                | Utility Pole | Marshy Area          |
|                           |              | Approximate Boundary |

2017-0583



10/18/93

**Fort Monmouth, Charles Wood**

**FIGURE 4.3-6**

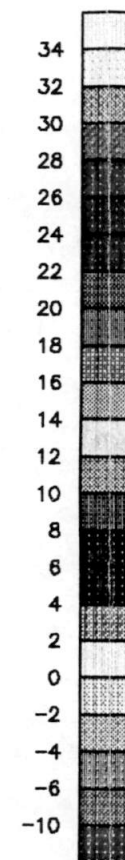
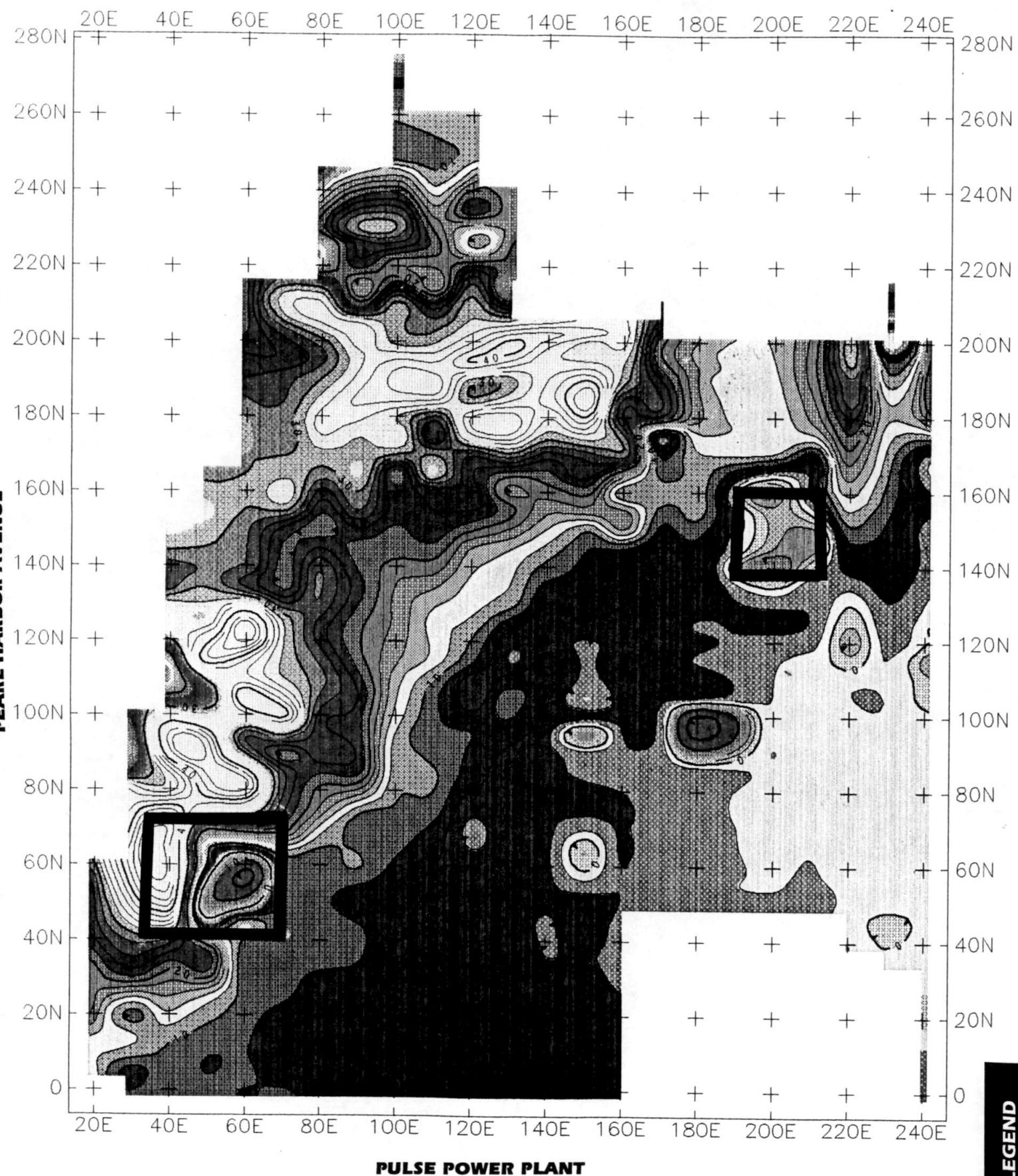
**LANDFILLS 3 (CW-3) AND 3A (CW-3A)**



**TABLE F-6****GEOPHYSICAL SURVEY GRID LOCATIONS WITH  
CORRESPONDING SURVEY DATA****SITE CW-3A  
FORT MONMOUTH, NJ**

| STATION    | SURVEY DATA |             |
|------------|-------------|-------------|
|            | NORTHING    | EASTING     |
| 0N, 0E     | 531588.329  | 2161130.048 |
| 0N, 20E    | 531588.312  | 2161150.037 |
| 0N, 40E    | 531588.295  | 2161170.037 |
| 0N, 60E    | 531588.278  | 2161190.037 |
| 0N, 80E    | 531588.261  | 2161210.037 |
| 0N, 100E   | 531588.245  | 2161230.037 |
| 0N, 120E   | 531588.228  | 2161250.037 |
| 0N, 140E   | 531588.211  | 2161270.037 |
| 0N, 160E   | 531588.194  | 2161290.037 |
| 50N, 60E   | 531638.278  | 2161190.079 |
| 50N, 100E  | 531638.245  | 2161230.079 |
| 50N, 140E  | 531638.211  | 2161270.079 |
| 50N, 180E  | 531638.177  | 2161310.079 |
| 100N, 100E | 531688.245  | 2161230.121 |
| 150N, 60E  | 531738.278  | 2161190.163 |
| 150N, 100E | 531738.245  | 2161230.163 |
| 150N, 120E | 531738.228  | 2161250.163 |
| 200N, 100E | 531788.197  | 2161230.205 |

PEARL HARBOR AVENUE



millimhos per meter  
(mmhos/m)

LEGEND



Subsurface Metallic Debris



Fort Monmouth, Charles Wood Site CW-3A

**FIGURE 4.3-7**  
**ELECTROMAGNETIC SURVEY**  
**QUADRATURE COMPONENT - SITE CW-3A**

File 1 FILE1 Created December 15, 1994 11:01:18

512 samples/scan 25.004 scans/sec  
Position: -3 ns range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert. IIR low pass N=2 F=48  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

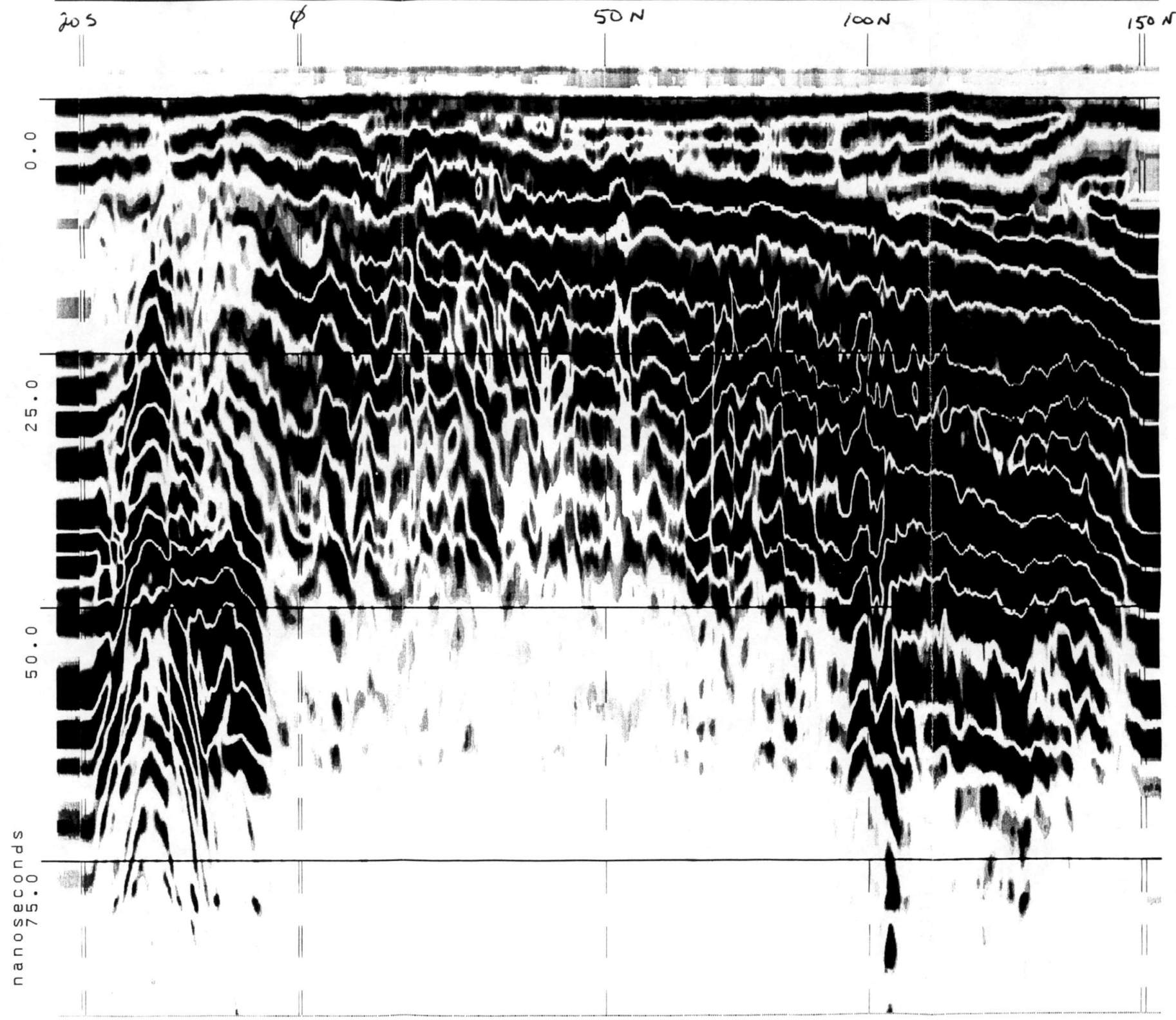
Ft. Monmouth NJ

Charles Woods SITE CW3A

Line 40 E ; Marks at 50' intervals

Start: 20 S; End: ~~125~~ 150 N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 2 FILE2 Created December 15, 1994 11:08:00

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert. IIR low pass N=2 F=48  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

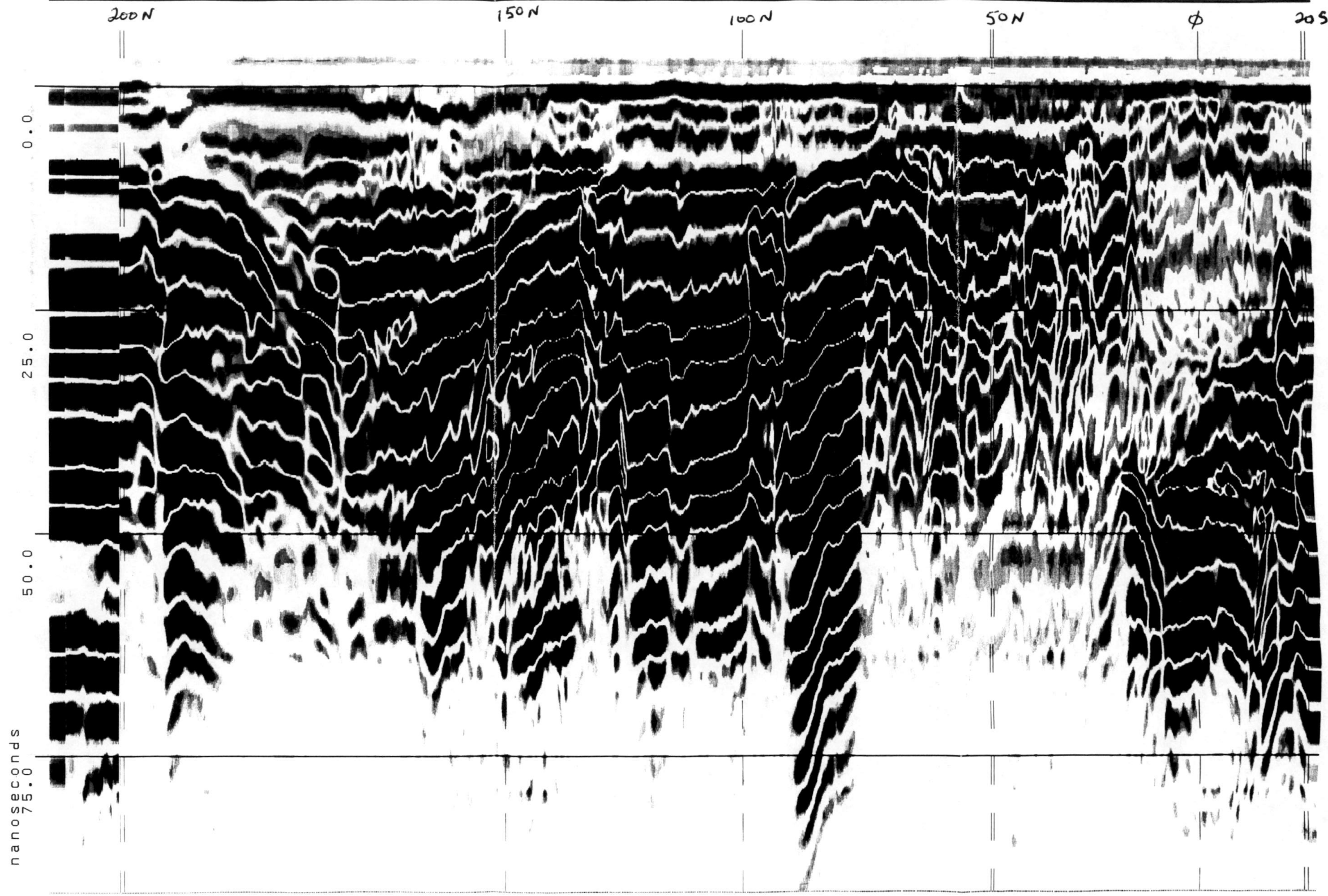
Ft. Monmouth NJ

Charles Woods SITE CW3A

Line 60 E ; Marks at 50' intervals

Start: 200 N ; End: 20 S

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 3 FILE3 Created December 15, 1994 11:16:38

512 samples/scan 25.004 scans/sec  
Position: -3 ns range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low Pass N=2 F=48  
Vert: IIR high Pass N=2 F=8  
Horiz: IIR stacking TC=4

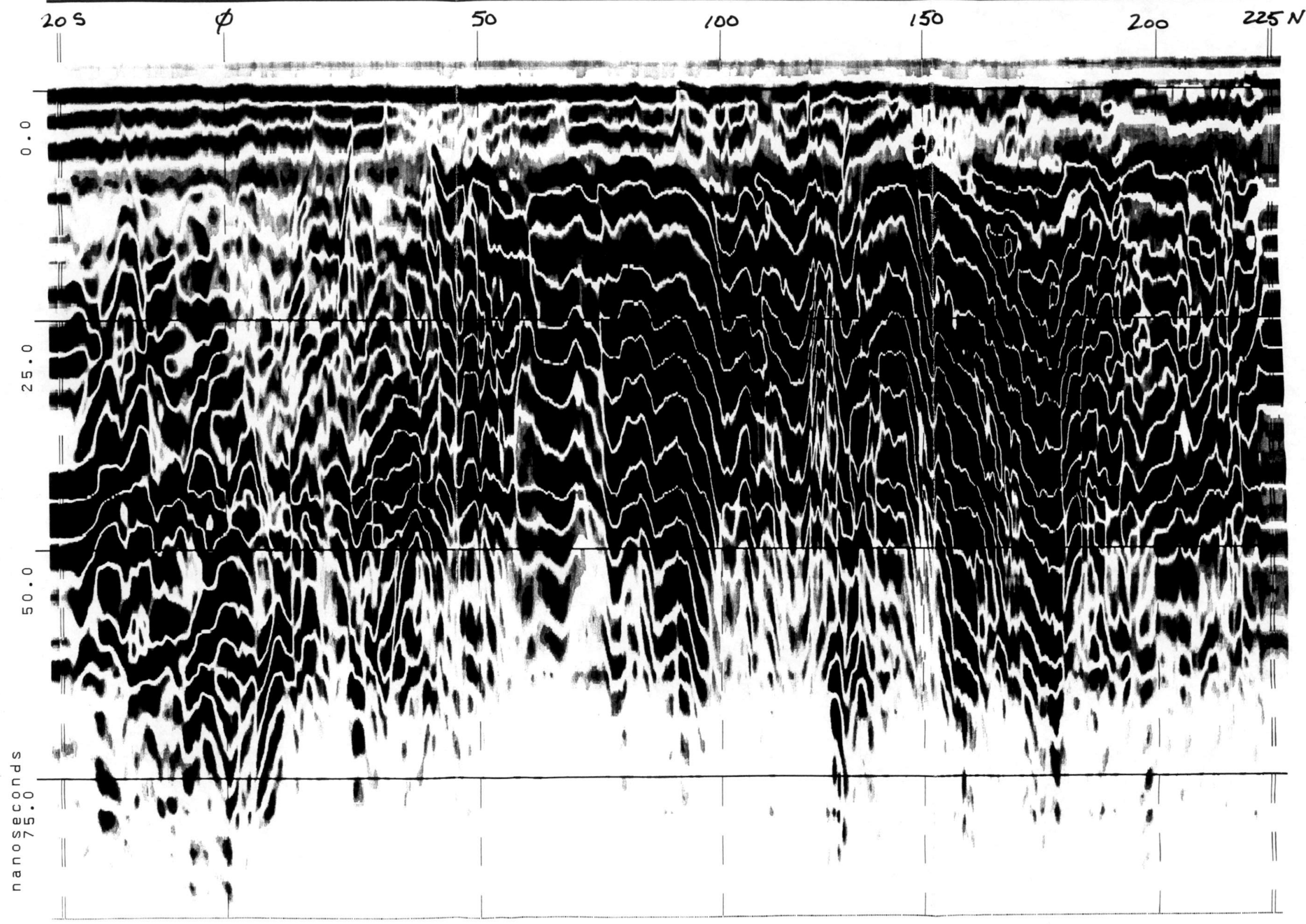
Ft. Monmouth NJ

Charles Woods SITE CW3A

Line 80 E ; Marks at 50' intervals

Start: 20 S ; End: ~~200~~ N  
225 N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 4 FILE4 Created December 15, 1994 11:21:34

512 samples/scan 25.004 scans/sec  
Position: -3 nS range: 100 nS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low pass N=2 F=48  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

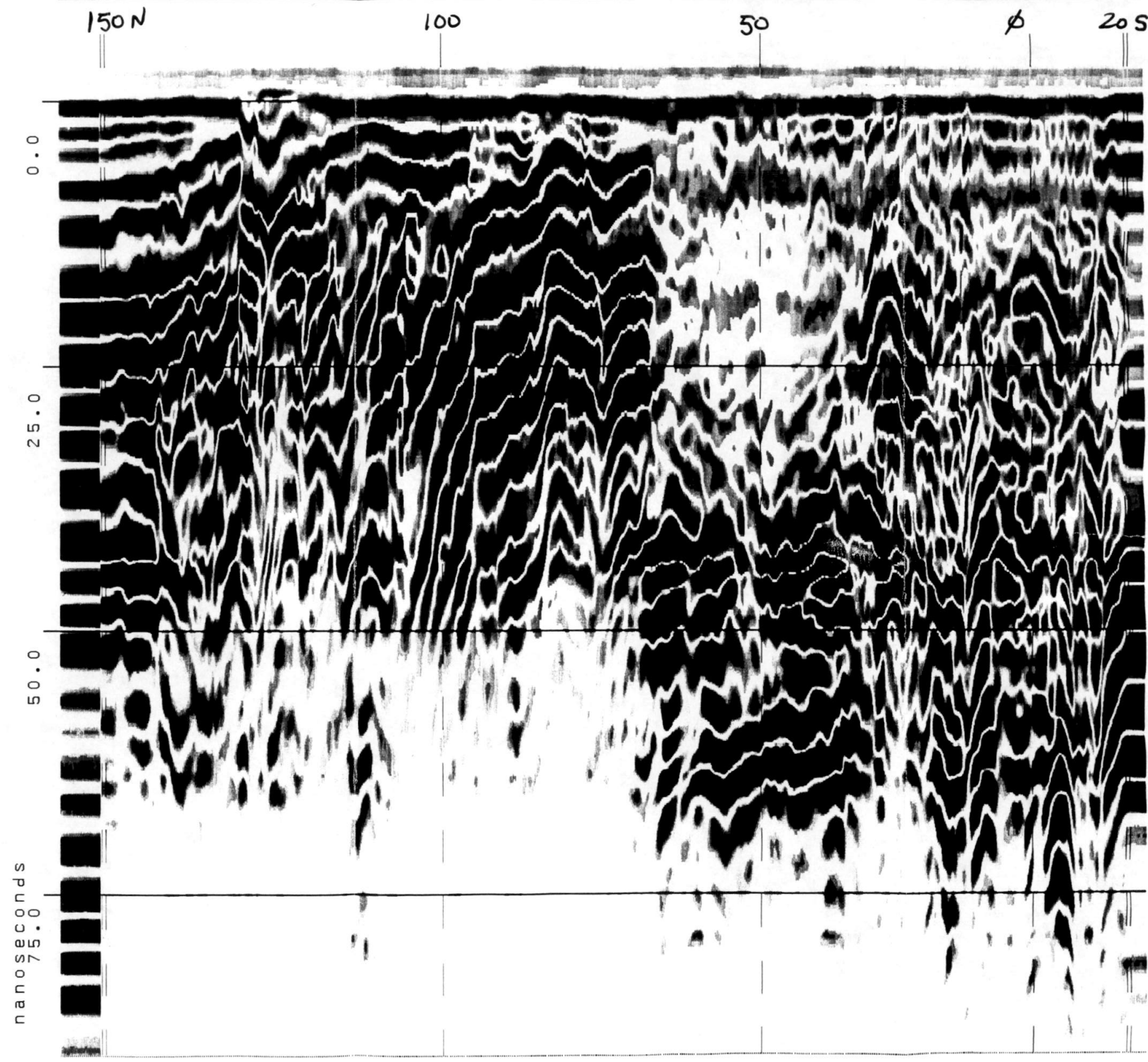
Ft. Monmouth NJ

Charles Woods SITE CW3A

Line 100 E ; Marks at 50' intervals

Start: 150 N ; End: 20 S

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 5 FILE5 Created December 15, 1994 11:25:50

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert. IIR low pass N=2 F=48  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

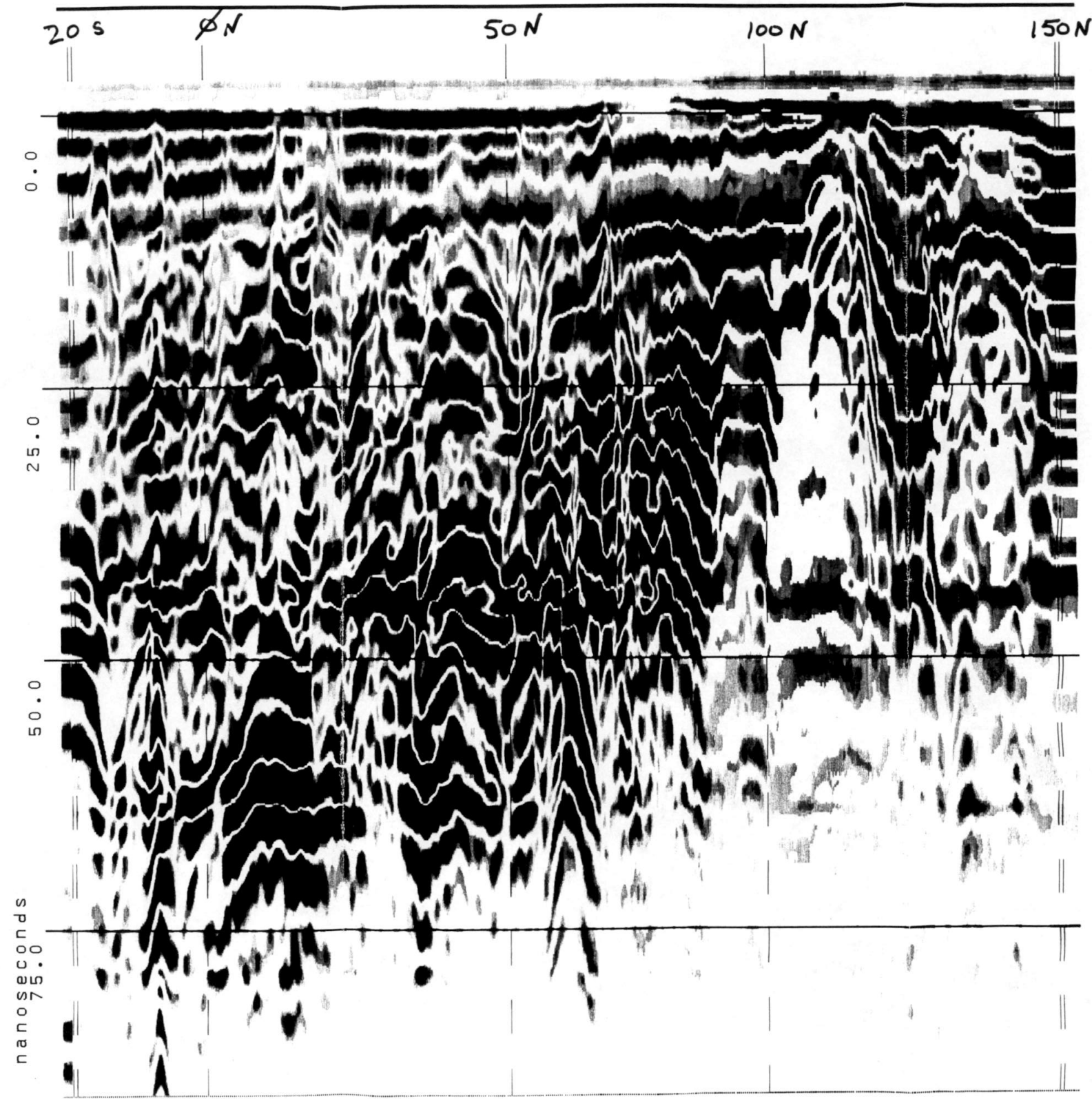
Ft. Monmouth NJ

Charles Woods SITE CW3A

Line 120 E ; Marks at 50' intervals

Start: 20 S ; End: 150 N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 6 FILE6 Created December 15, 1994 11:31:20

512 samples/scan 25.004 scans/sec  
Position: -3 ns range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low Pass N=2 F=48

Vert: IIR high Pass N=2 F=8

Horiz: IIR stacking TC=4

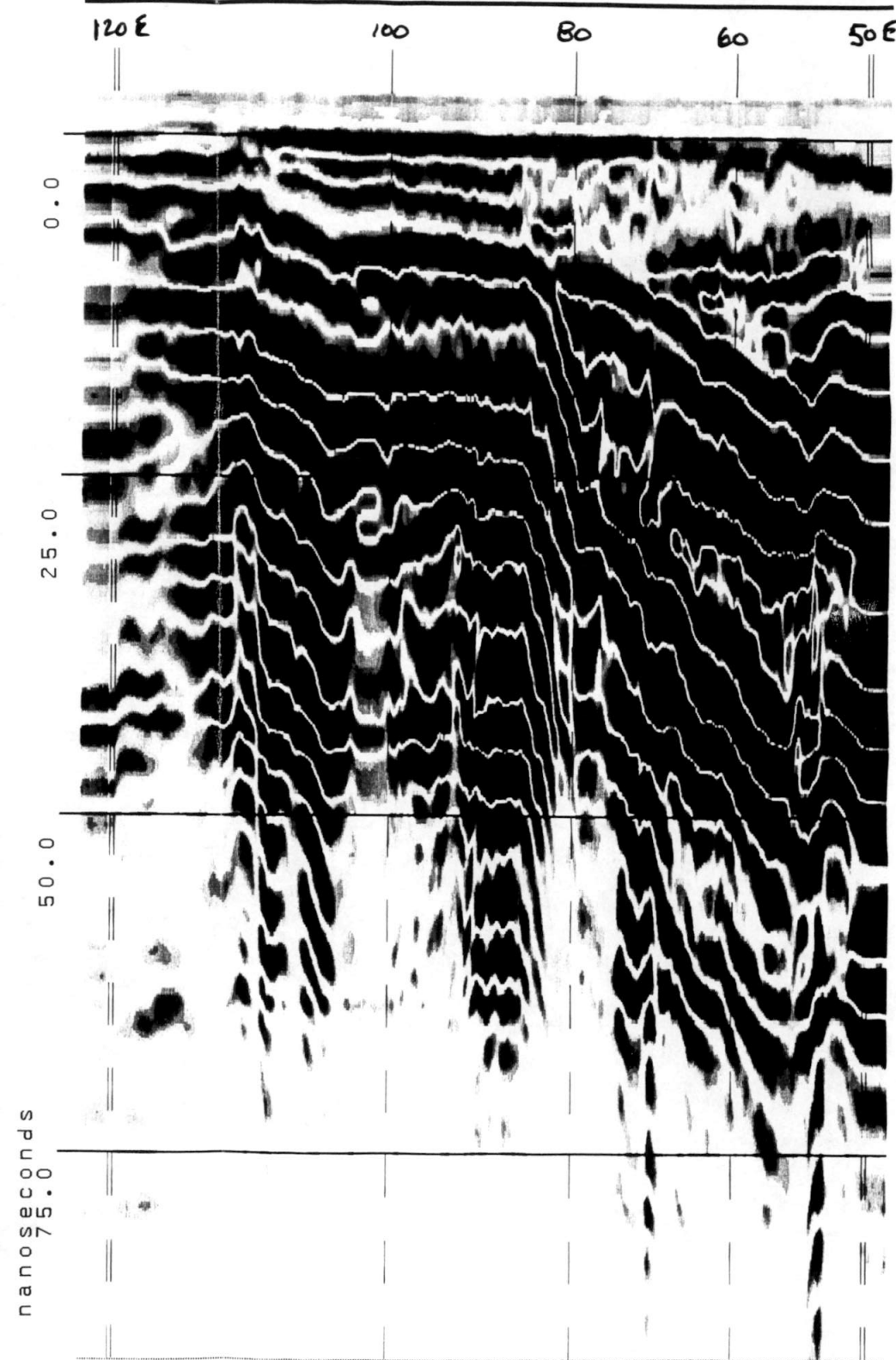
Ft. Monmouth NJ

Charles Woods SITE CW3A

Line 150 N ; Marks at 20' intervals

Start: 120 E ; End: 50 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 7 FILE7 Created December 15, 1994 11:34:12

512 samples/scan 25.004 scans/sec  
Position: -3 nS range: 100 nS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low pass N=2 F=48  
Horiz: IIR high pass N=2 F=8  
IIR stacking TC=4

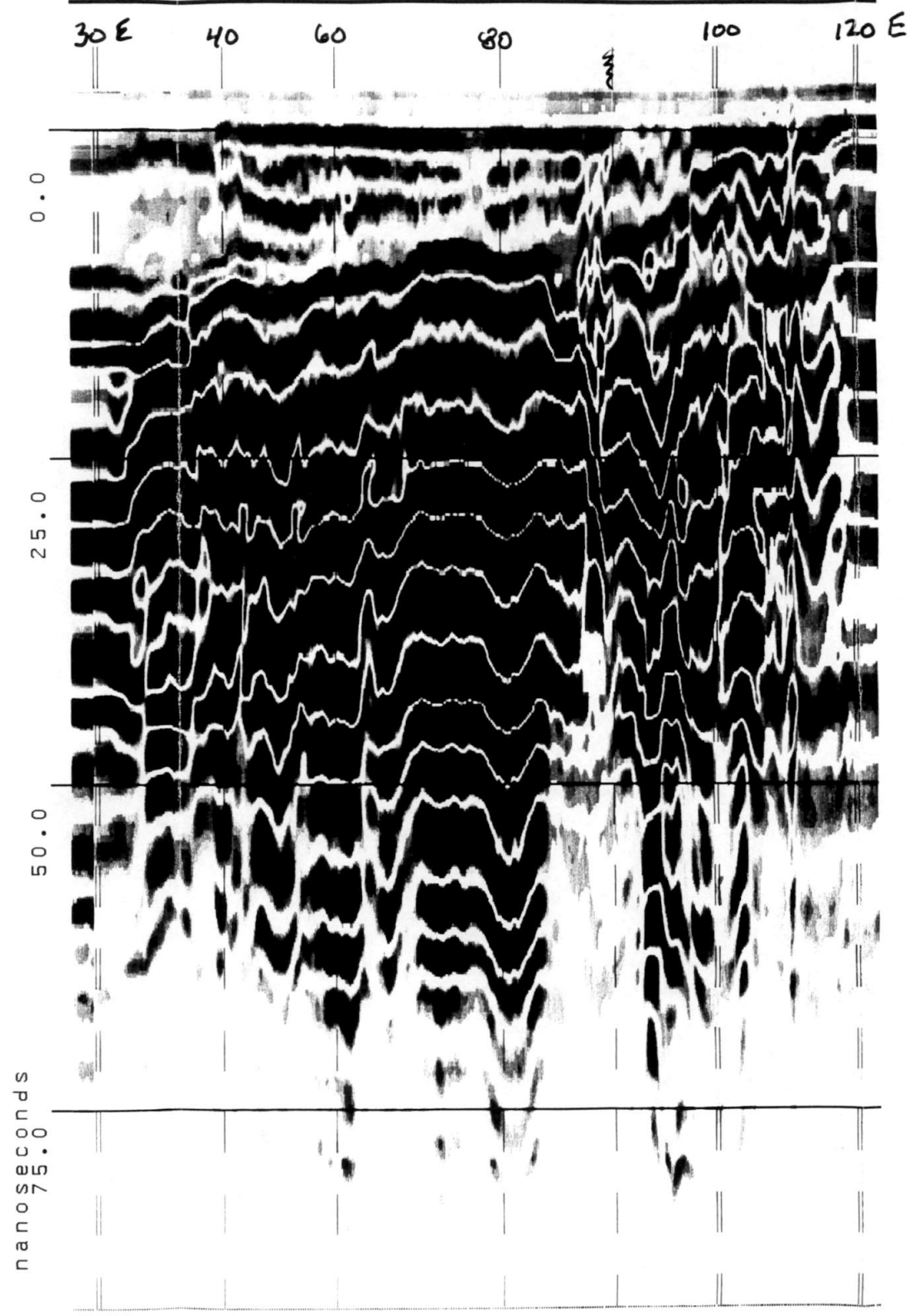
Ft. Monmouth NJ

Charles Woods SITE CW3A

Line 100 N ; Marks at 20' intervals

Start: 30 E ; End: 120 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 8 FILE8 Created December 15, 1994 11:42:26

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low pass N=2 F=48  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

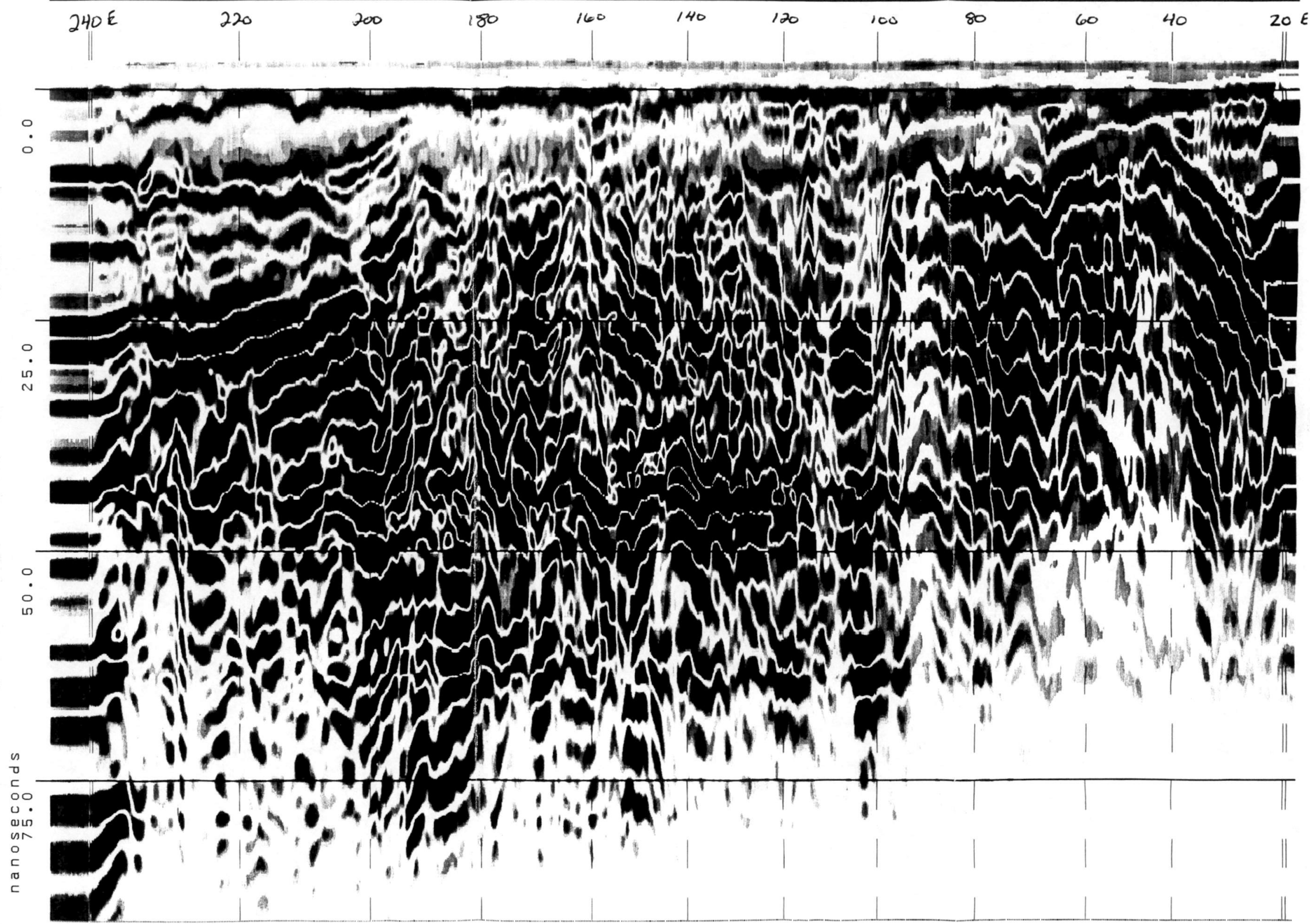
Ft. Monmouth NJ

Charles Woods SITE CW3A

Line 50 N; Marks at 20' intervals

Start: 240 E; End: 20 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 10 FILE10 Created December 15, 1994 11:51:20

512 samples/scan 25.004 scans/sec  
Position: -3 ns range: 100 ns 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert: IIR low Pass N=2 F=48

Vert: IIR high Pass N=2 F=8

Horiz: IIR stacking TC=4

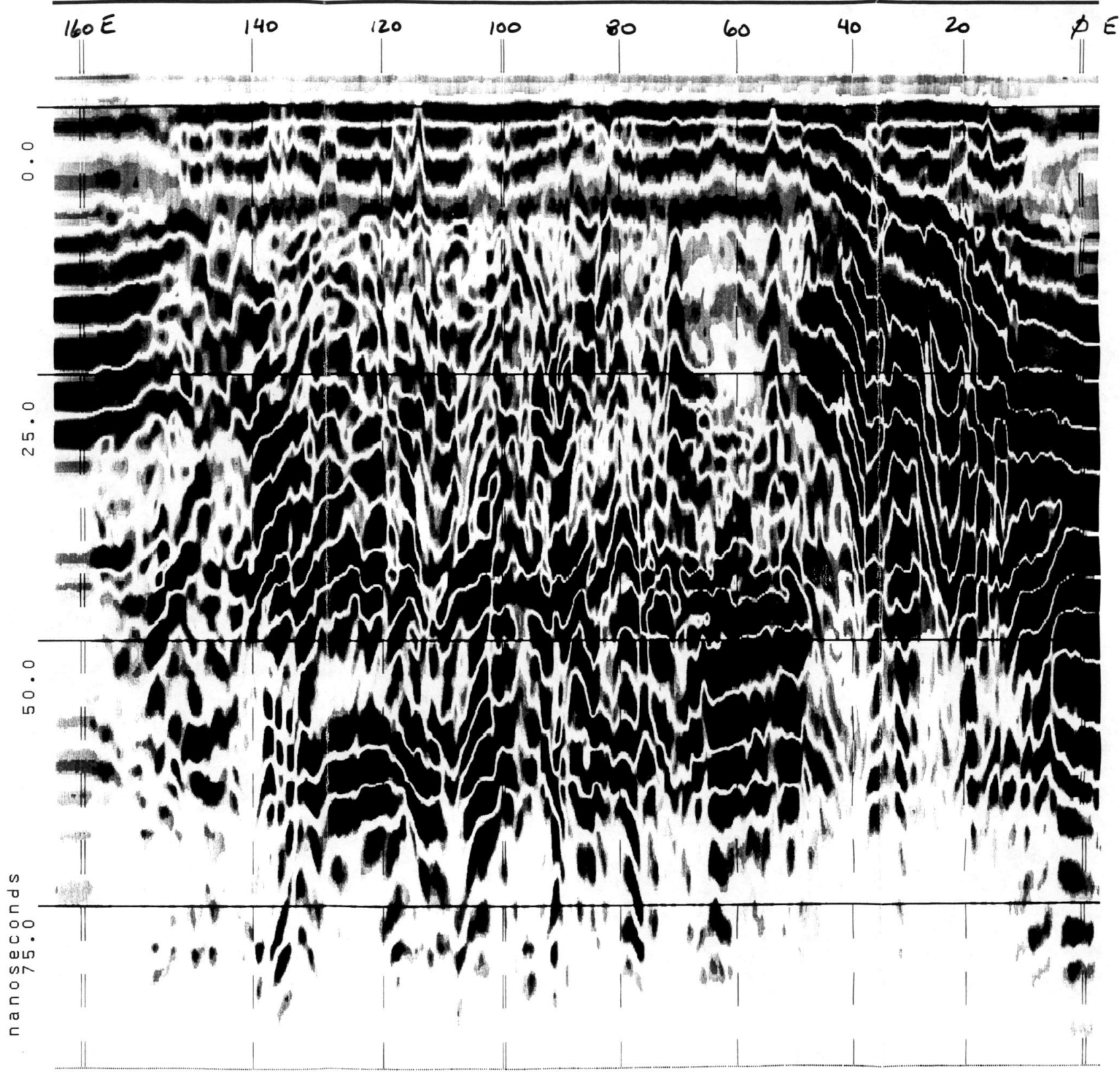
Ft. Monmouth NJ

Charles Woods SITE CW3A

Line 0 N ; Marks at 20' intervals

Start: 160 E; End: 0 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 11 FILE11 Created December 15, 1994 12:03:22

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -4 12 36 44 47

Vert. IIR low pass N=2 F=48  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

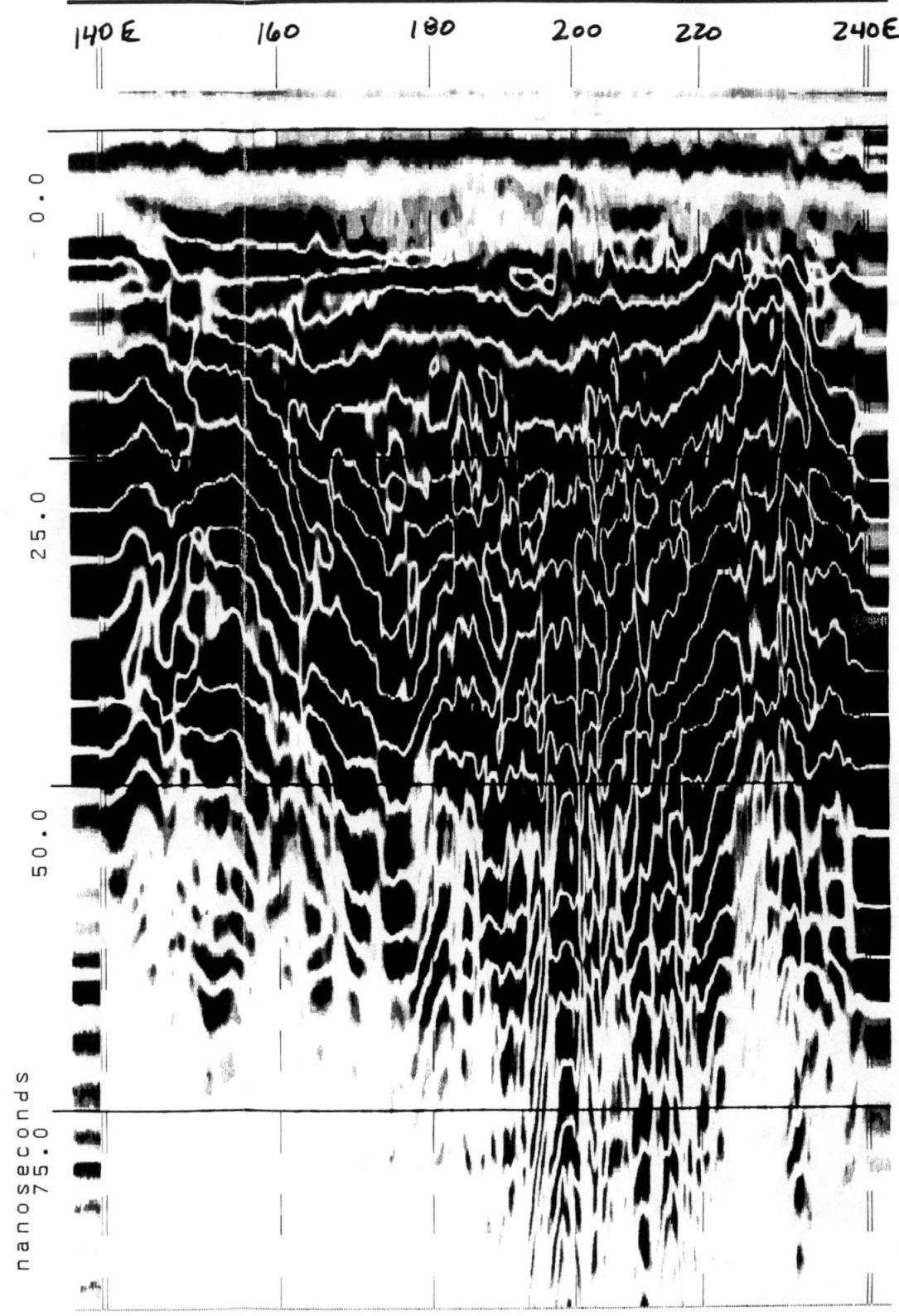
Ft. Monmouth NJ

Charles Woods SITE CW3A

Line 185N ; Marks at 20' intervals

Start: 140 E; End: 240 E

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 12 FILE12 Created December 15, 1994 12:10:06

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -5 9 32 43 47

Vert: IIR low pass N=2 F=48  
Vert: IIR high pass N=2 F=8  
Horiz: IIR stacking TC=4

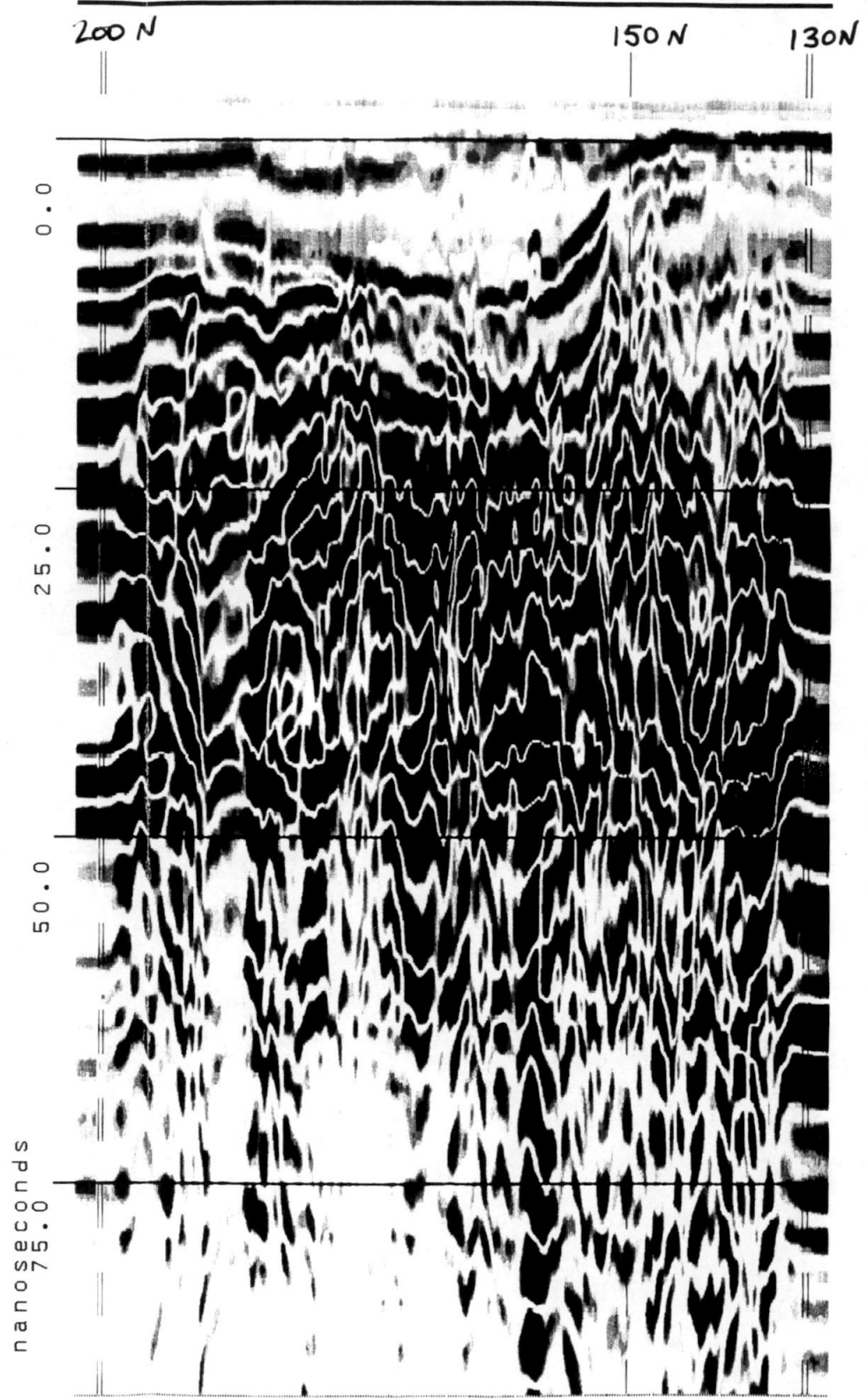
Ft. Monmouth NJ

Charles Woods SITE CW3A

Line 200 E ; Marks at 50' intervals

Start: 200 N; End: ~~150 N~~ 130 N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%



File 13 FILE13 Created December 15, 1994 12:27:30

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -5 9 32 43 47

Vert. IIR low pass N=2 F=48  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

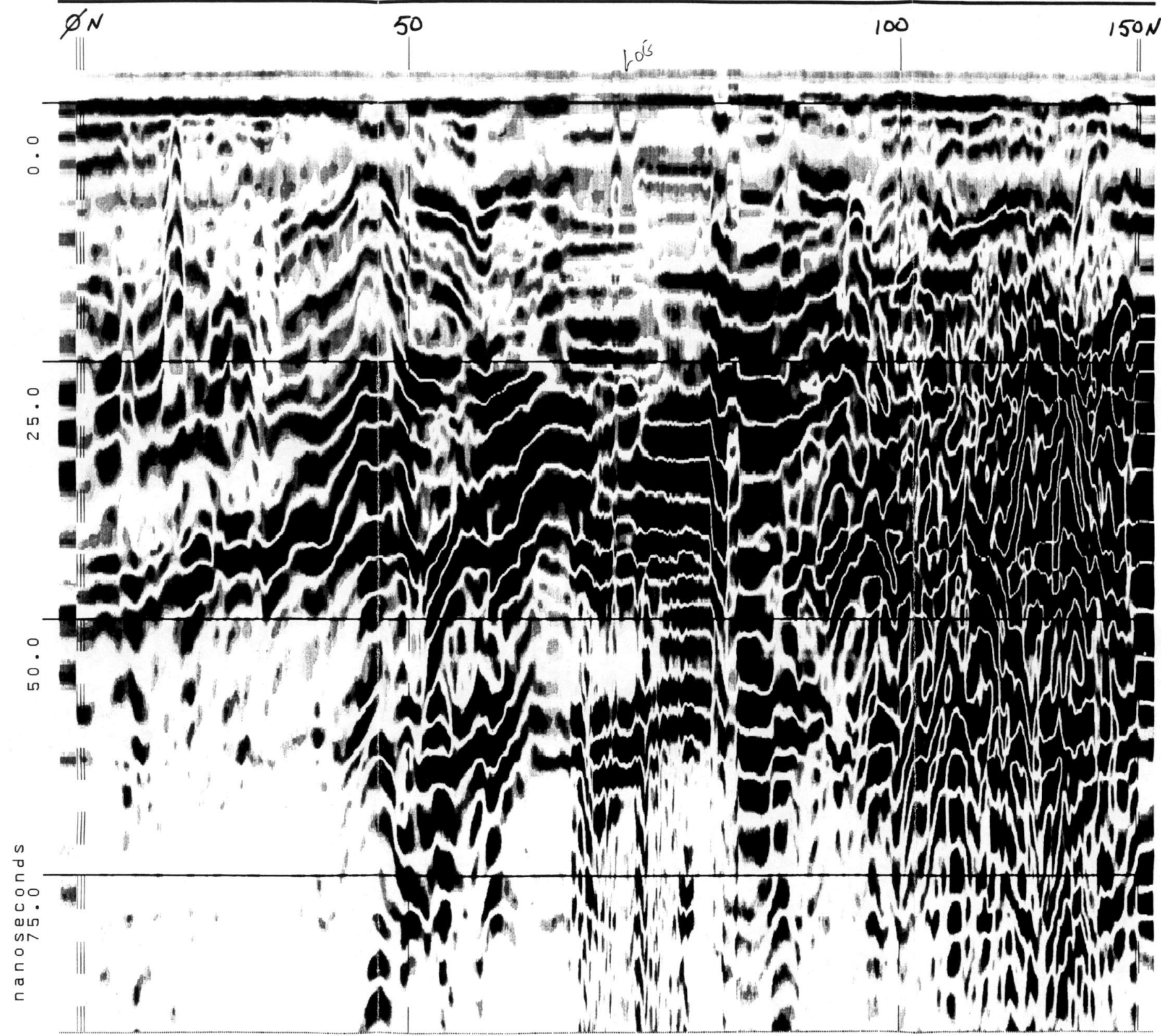
Ft. Monmouth NJ

Charles Woods SITE CW3A

Line 240 E ; Marks at 50' intervals

Start: 0 N; End: 150 N

Gray Scale Table #4 Gray Scale Transform #1 Contrast 7: 0%





File 14 FILE14 Created December 15, 1994 12:38:32

512 samples/scan 25.004 scans/sec  
Position: -3 NS range: 100 NS 8 Bits  
Dielectric Constant: 0 Antenna: 3102

Range Gain -5 9 32 43 47

Vert. IIR low pass N=2 F=48  
Vert. IIR high pass N=2 F=8  
Horiz. IIR stacking TC=4

Ft. Monmouth NJ

Charles Woods SITE CW3A

Line 285 E ; Marks at 50' intervals

Start: 30 N; End: 200 N

Gray Scale Table #1 Gray Scale Transform #1 Contrast 7: 0%

