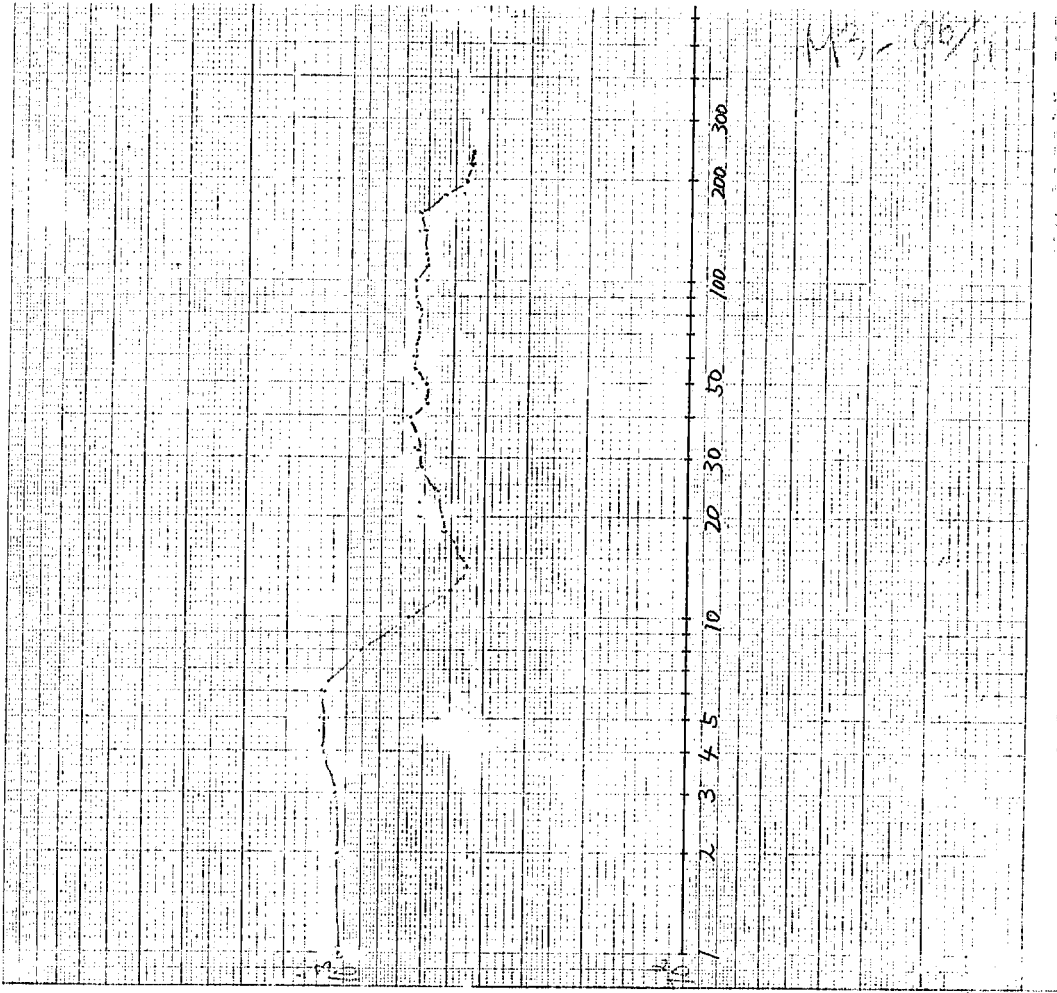


Chiwonga (1/2)

YES 4 Chiwonga: Newala District

$28.8.2003 \rho_a = 2 \rho_a \cdot V / I = 0.28 \times V / I$

| TAG | a | mV | mA | R | ρ_a |
|-----|-----|----|--------|--------|----------|
| 1 | 1 | | 1 | 163.57 | 1026.84 |
| 2 | 2 | | | 81.579 | 1027.30 |
| 3 | 3 | | | 57.331 | 1078.95 |
| 4 | 4 | | | 46.332 | 1162.93 |
| 5 | 5 | | | 36.962 | 1160.61 |
| 6 | 6 | | | 30.845 | 1162.86 |
| 7 | 8 | | | 19.961 | 907.34 |
| 8 | 10 | | | 10.524 | 661.54 |
| 9 | 12 | | | 6.684 | 504.71 |
| 10 | 14 | | | 5.129 | 450.73 |
| 11 | 16 | | 2 | 4.8345 | 487.93 |
| 12 | 18 | | | 4.6082 | 520.57 |
| 13 | 20 | | | 4.7363 | 535.56 |
| 14 | 24 | | | 3.6269 | 547.59 |
| 15 | 28 | | 613.59 | 3.493 | 626.98 |
| 16 | 32 | | 626.50 | 2.8986 | 644.52 |
| 17 | 36 | | 641.52 | 2.6265 | 654.28 |
| 18 | 40 | | 660.28 | 2.1110 | 597.91 |
| 19 | 45 | | 597.41 | 1.9420 | 600.32 |
| 20 | 50 | | 600.37 | 1.8416 | 659.58 |
| 21 | 55 | | 659.50 | 1.7171 | 697.35 |
| 22 | 60 | | 647.35 | 1.5935 | 651.98 |
| 23 | 65 | | 651.78 | 1.4535 | 636.22 |
| 24 | 70 | | 638.35 | 1.3287 | 637.65 |
| 25 | 76 | | 633.65 | 1.2307 | 629.57 |
| 26 | 82 | | 628.35 | 1.1333 | 6445.6 |
| 27 | 90 | | 641.56 | 1.0222 | 6455.7 |
| 28 | 100 | | 642.52 | 0.8551 | 598.26 |
| 29 | 110 | | 598.20 | 0.7720 | 601.69 |
| 30 | 120 | | 601.89 | 0.6872 | 605.81 |
| 31 | 140 | | 605.81 | 0.5334 | 628.40 |
| 32 | 160 | | 638.40 | 0.4684 | 529.52 |
| 33 | 180 | | 529.52 | 0.3724 | 469.22 |
| 34 | 200 | | 469.22 | 0.3779 | 452.58 |
| 35 | 220 | | 452.58 | | |
| 36 | 240 | | 448.17 | | |
| 37 | 260 | | | | |
| 38 | 280 | | | | |
| 39 | 300 | | | | |

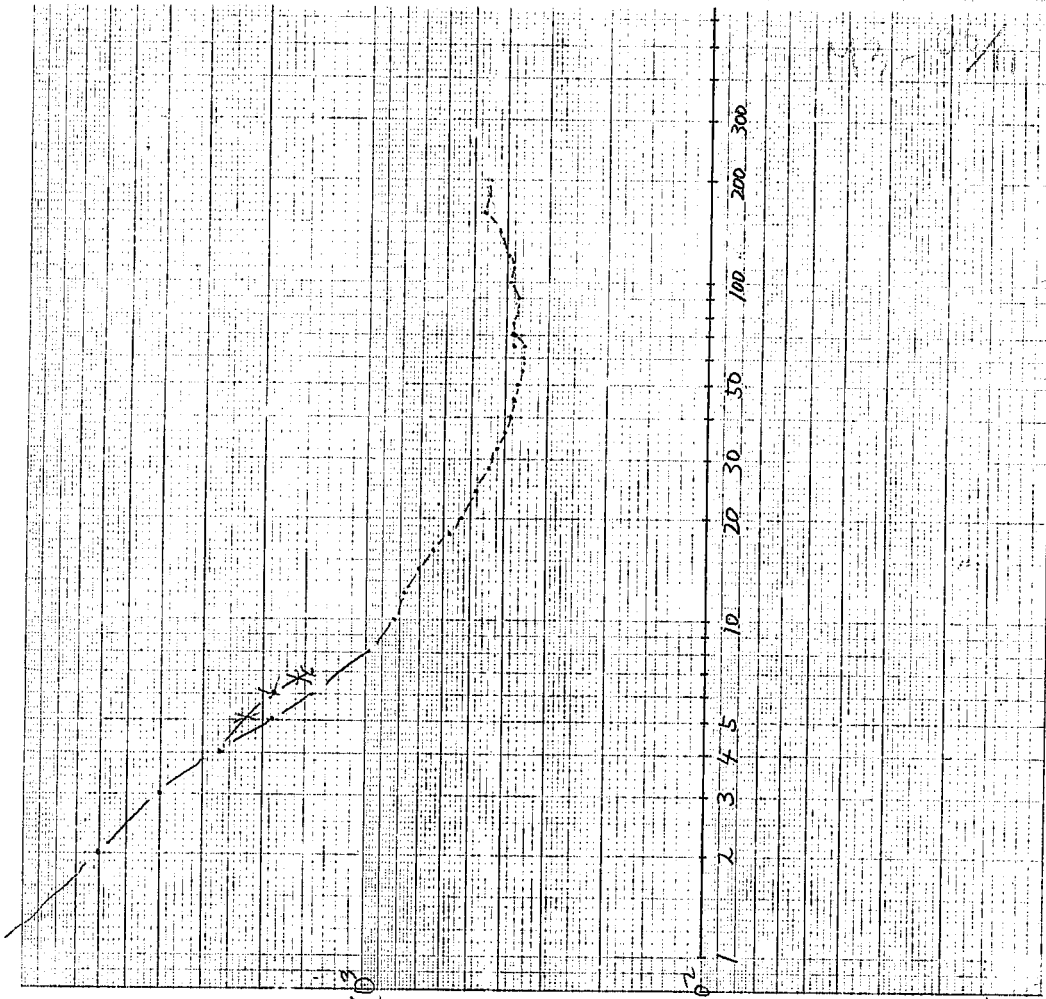


Chiwonga (2/2)

VDSZ

$$\rho_a = 2\pi a \cdot V / I = 6.28 \times a \cdot V / I$$

| TAG | a | mV | mA | R | ρ_a |
|-----|-----|----|----|--------|----------|
| 1 | 1 | | | 1681.3 | 10558.6 |
| 2 | 2 | | | 870.37 | 6052.7 |
| 3 | 3 | | | 211.96 | 3784.8 |
| 4 | 4 | | | 106.25 | 2666.9 |
| 5 | 5 | | | 58.700 | 1843.5 |
| 6 | 6 | | | 37.729 | 1422.4 |
| 7 | 8 | | | 19.600 | 985.9 |
| 8 | 10 | | | 13.135 | 824.9 |
| 9 | 12 | | | 10.387 | 783.3 |
| 10 | 14 | | | 7.998 | 703.5 |
| 11 | 16 | | | 6.475 | 646.8 |
| 12 | 18 | | | 5.134 | 579.8 |
| 13 | 20 | | | 4.1982 | 528.99 |
| 14 | 24 | | | 3.2169 | 485.8 |
| 15 | 28 | | | 2.501 | 447.1 |
| 16 | 32 | | | 2.0852 | 417.1 |
| 17 | 36 | | | 1.7022 | 400.5 |
| 18 | 40 | | | 1.5314 | 384.4 |
| 19 | 45 | | | 1.3324 | 372.1 |
| 20 | 50 | | | 1.1787 | 370.2 |
| 21 | 55 | | | 1.0411 | 357.2 |
| 22 | 60 | | | 0.7488 | 357.7 |
| 23 | 65 | | | 0.9275 | 377.2 |
| 24 | 70 | | | 0.8650 | 380.6 |
| 25 | 76 | | | 0.8006 | 387.9 |
| 26 | 82 | | | 0.7220 | 371.8 |
| 27 | 90 | | | 0.6509 | 367.8 |
| 28 | 100 | | | 0.6238 | 391.7 |
| 29 | 110 | | | 0.5531 | 382.2 |
| 30 | 120 | | | 0.5275 | 378.0 |
| 31 | 140 | | | 0.4800 | 421.9 |
| 32 | 160 | | | 0.4717 | 476.7 |
| 33 | 180 | | | 0.3797 | 451.7 |
| 34 | 200 | | | 0.3558 | 443.3 |
| 35 | 220 | | | | |
| 36 | 240 | | | | |
| 37 | 260 | | | | |
| 38 | 280 | | | | |
| 39 | 300 | | | | |



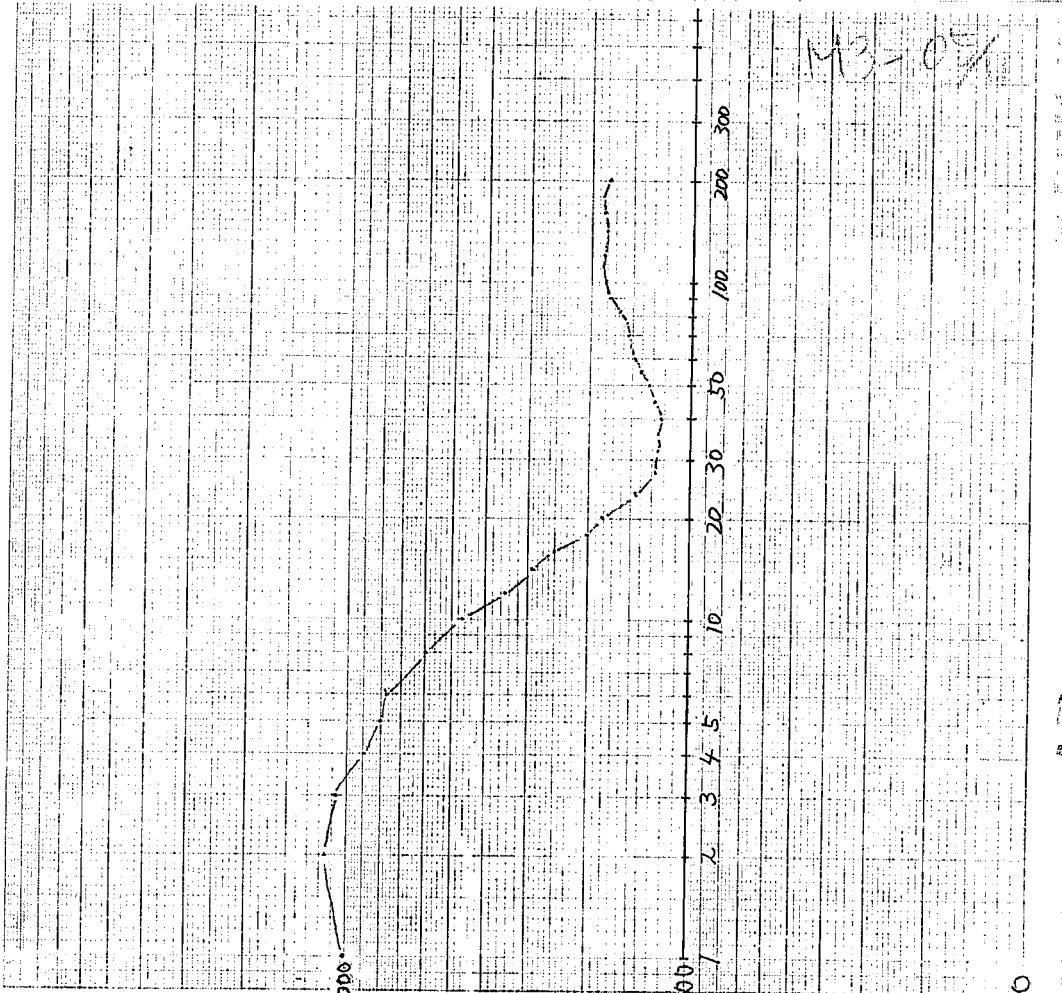
Chiwonga 28.08.2000 (Konde)

Mnima (1/1)

YES 1 - MNIMA: NEWALA DISTRICT

$$25 \cdot 08 \cdot 2000 \rho_a = 2\pi a \cdot V/I = 6.28 \times a \times V/I$$

| TAG | a | mV | mA | R | ρ_a |
|-----|-----|----|----|---------|----------|
| 1 | 1 | | 1 | 16.15.1 | 10142.83 |
| 2 | 2 | | | 931.18 | 11732.87 |
| 3 | 3 | | | 579.82 | 10900.62 |
| 4 | 4 | | | 361.52 | 9069.13 |
| 5 | 5 | | | 263.44 | 8272.02 |
| 6 | 6 | | | 207.23 | 7812.57 |
| 7 | 8 | | | 180.30 | 6051.09 |
| 8 | 10 | | | 75.182 | 4721.43 |
| 9 | 12 | | | 47.166 | 3556.32 |
| 10 | 14 | | | 32.837 | 2989.66 |
| 11 | 16 | | | 25.155 | 2515.50 |
| 12 | 18 | | | 12.901 | 2022.81 |
| 13 | 20 | | | 14.313 | 1803.44 |
| 14 | 24 | | | 9.5285 | 1446.35 |
| 15 | 28 | | | 7.3226 | 1288.78 |
| 16 | 32 | | | 6.2696 | 1260.19 |
| 17 | 36 | | | 5.5309 | 1249.98 |
| 18 | 40 | | | 4.9123 | 1232.99 |
| 19 | 45 | | | 4.5932 | 1229.88 |
| 20 | 50 | | | 4.4165 | 1336.91 |
| 21 | 55 | | | 4.1036 | 1415.74 |
| 22 | 60 | | 5 | 3.9273 | 1480.55 |
| 23 | 65 | | | 3.7556 | 1532.28 |
| 24 | 70 | | | 3.5390 | 1557.16 |
| 25 | 76 | | | 3.2860 | 1569.57 |
| 26 | 82 | | | 3.1866 | 1641.10 |
| 27 | 90 | | | 3.1141 | 1759.47 |
| 28 | 100 | | | 2.9130 | 1829.36 |
| 29 | 110 | | | 2.6874 | 1858.38 |
| 30 | 120 | | | 2.4559 | 1851.75 |
| 31 | 140 | | | 2.0701 | 1819.62 |
| 32 | 160 | | | 1.8503 | 1830.90 |
| 33 | 180 | | | 1.6467 | 1860.77 |
| 34 | 200 | | | 1.4263 | 1797.14 |
| 35 | 220 | | | | |
| 36 | 240 | | | | |
| 37 | 260 | | | | |
| 38 | 280 | | | | |
| 39 | 300 | | | | |



M3-09

Miyuyu (1/4)

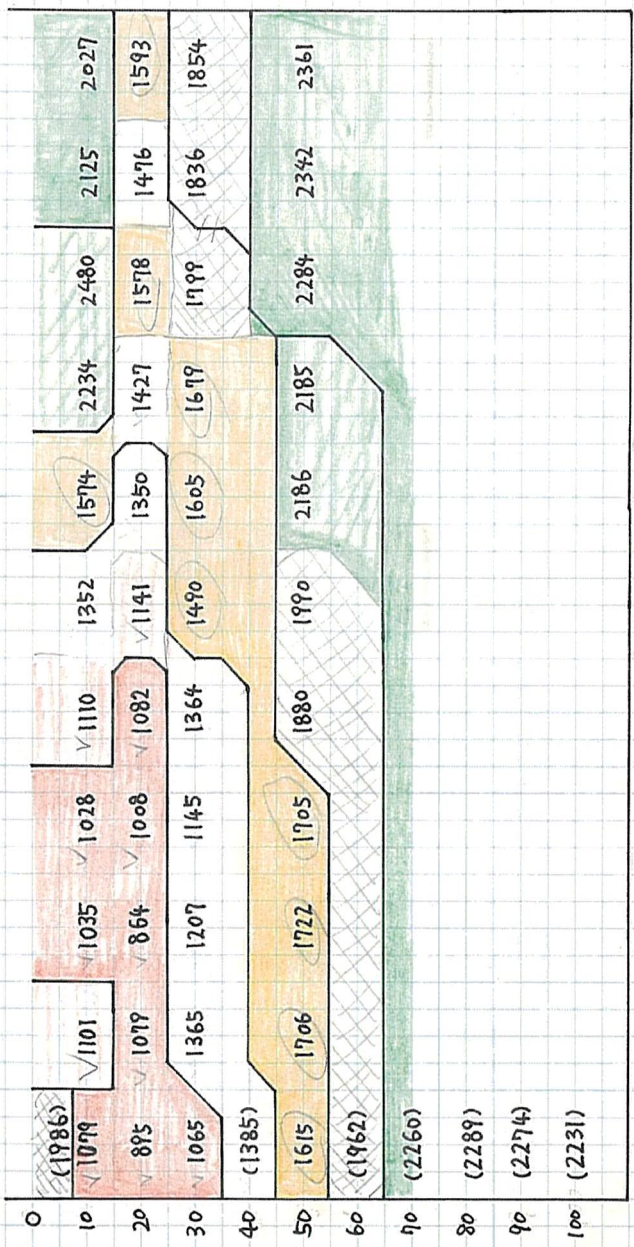
Miyuyu
25,08,2000
N=11x4+7=51
d̄=635.4902
461.54

~~69.63~~
σ=461.54

d̄-σ = 1174
d̄-1/3σ = 1482
d̄+1/3σ = 1789
d̄+σ = 2097

20.7 並 7.7 22
15.7 並 11.2

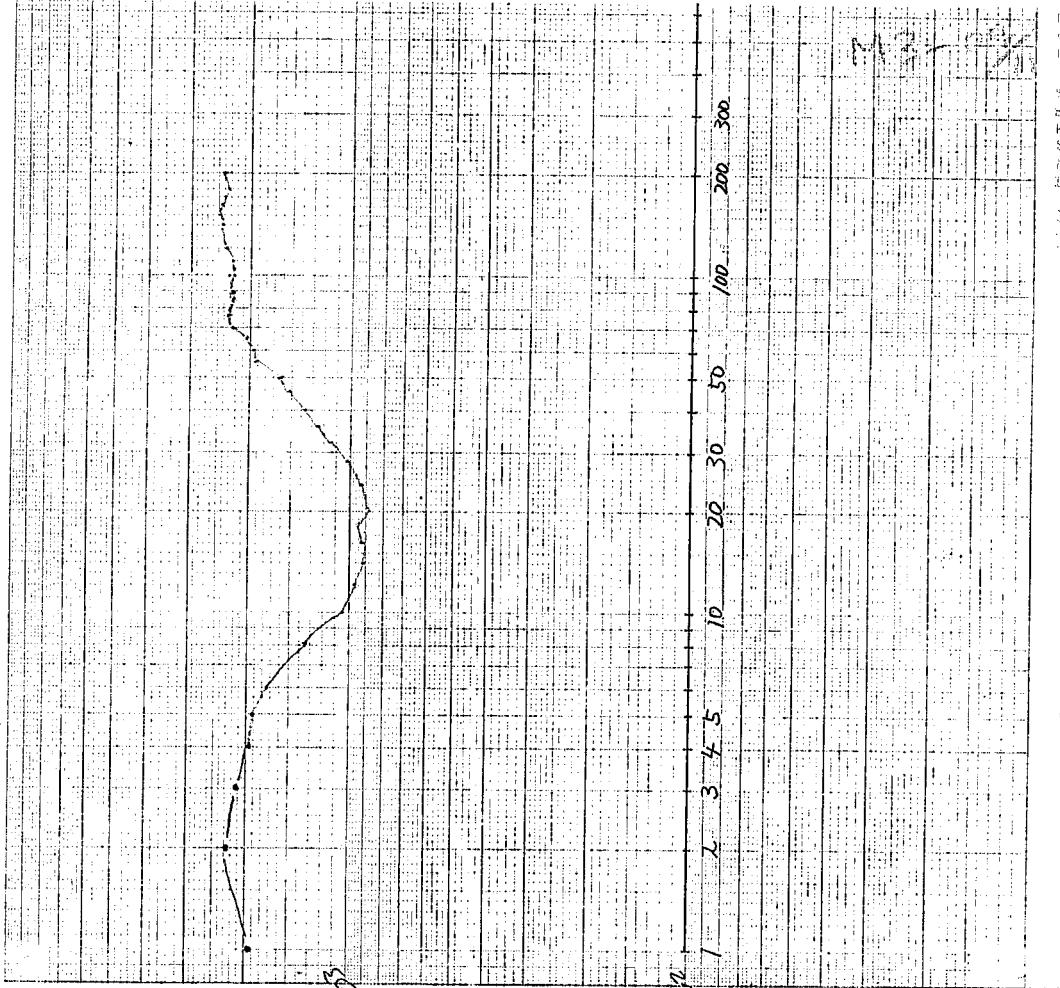
M3-04/1



(Slopes?)

Miyuyu (2/4)

Miyuyu (Vest)
 $\rho_a = 2\pi a \cdot V / I = 6.28 \times a \cdot V / I$
 25.08. 2000



| TAG | a | mV | mA | R | ρ_a |
|-----|-----|----|----|---------|----------|
| 1 | 1 | | | 311.02 | 1953.2 |
| 2 | 2 | | | 179.38 | 2260.2 |
| 3 | 3 | | | 112.66 | 2118.0 |
| 4 | 4 | | | 77.906 | 1950.4 |
| 5 | 5 | | | 63.2520 | 1985.2 |
| 6 | 6 | | | 46.007 | 1736.5 |
| 7 | 8 | | | 26.939 | 1357.0 |
| 8 | 10 | | | 17.193 | 1074.1 |
| 9 | 12 | | | 13.093 | 987.2 |
| 10 | 14 | | | 10.265 | 903.2 |
| 11 | 16 | | | 9.0473 | 904.7 |
| 12 | 18 | | | 8.1113 | 896.6 |
| 13 | 20 | | | 7.1020 | 892.6 |
| 14 | 24 | | | 6.1023 | 921.5 |
| 15 | 28 | | | 5.6999 | 1001.4 |
| 16 | 32 | | | 5.6336 | 1122.4 |
| 17 | 36 | | | 5.5046 | 1266.6 |
| 18 | 40 | | | 5.5187 | 1385.2 |
| 19 | 45 | | | 5.3124 | 1503.4 |
| 20 | 50 | | | 5.1006 | 1615.4 |
| 21 | 55 | | | 5.5739 | 1923.0 |
| 22 | 60 | | | 5.7035 | 1961.7 |
| 23 | 65 | | | 5.1333 | 2094.4 |
| 24 | 70 | | | 5.1371 | 2260.3 |
| 25 | 76 | | | 4.8399 | 2308.6 |
| 26 | 82 | | | 4.4439 | 2288.6 |
| 27 | 90 | | | 4.0249 | 2274.1 |
| 28 | 100 | | | 3.5519 | 2230.6 |
| 29 | 110 | | | 3.3210 | 2291.9 |
| 30 | 120 | | | 3.1497 | 2374.9 |
| 31 | 140 | | | 2.7677 | 2432.8 |
| 32 | 160 | | | 2.4331 | 2433.1 |
| 33 | 180 | | | 2.0506 | 2317.2 |
| 34 | 200 | | | 1.9115 | 2408.2 |
| 35 | 220 | | | | |
| 36 | 240 | | | | |
| 37 | 260 | | | | |
| 38 | 280 | | | | |
| 39 | 300 | | | | |

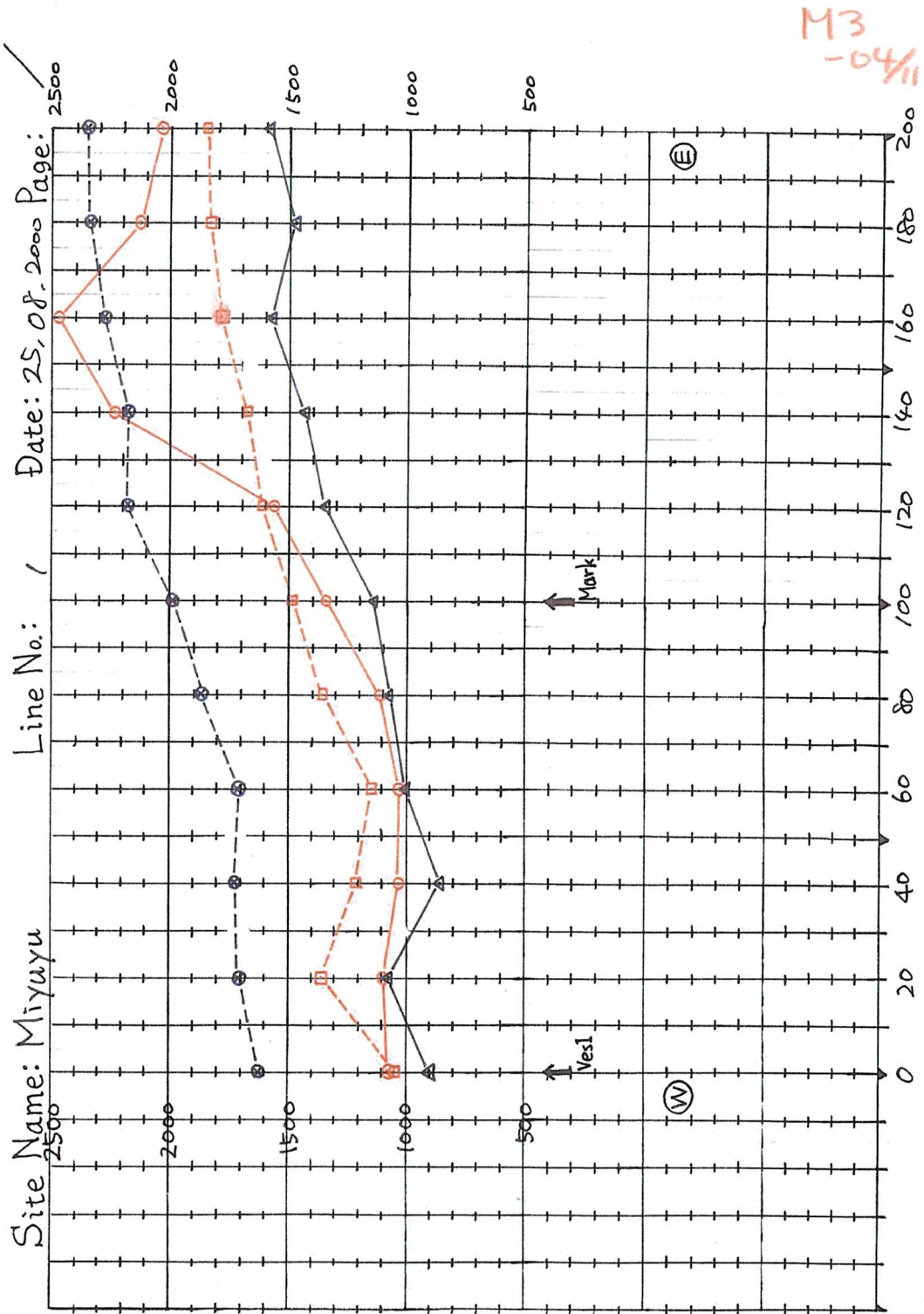
Miyuyu (3/4)

Δh=20 (VES) Site Name: Miyuyu Line No.: / Date: 25.08.2000 Page: /
 (UN) ←

| h | 20 | 40 | 60 | 80 | 100 |
|------------|--------|--------|--------|--------|--------|
| (R) 17.103 | 17.526 | 16.473 | 16.368 | 17.678 | 21.499 |
| (P) 1079.1 | 1100.6 | 1034.5 | 1021.9 | 1110.2 | 21.520 |
| (R) 7.1000 | 8.5898 | 6.8791 | 8.0270 | 8.6148 | 1350.1 |
| (P) 894.6 | 1078.9 | 864.0 | 1008.2 | 1082.0 | 9.0845 |
| (R) 5.1371 | 7.2475 | 6.4078 | 6.0752 | 7.2385 | 1141.0 |
| (P) 1001.4 | 1365.4 | 1207.2 | 1144.6 | 1363.7 | 9.7087 |
| (R) 5.1446 | 5.9332 | 5.4842 | 5.4302 | 5.9863 | 1490.0 |
| (P) 1615.4 | 1706.0 | 1722.0 | 1705.1 | 1879.7 | 6.3332 |
| | | | | | 179.01 |

| h | 120 | 140 | 160 | 180 | 200 |
|------------|--------|--------|--------|--------|--------|
| (R) 25.055 | 35.566 | 39.487 | 34.833 | 32.282 | 207.3 |
| (P) 1573.5 | 2233.5 | 2479.8 | 2124.7 | 207.3 | 12.679 |
| (R) 10.745 | 11.364 | 12.561 | 11.750 | 12.679 | 1592.5 |
| (P) 1349.6 | 1427.3 | 1527.7 | 1475.8 | 1592.5 | 9.8390 |
| (R) 8.5192 | 8.9111 | 9.5467 | 9.7465 | 9.8390 | 1257.7 |
| (P) 1605.0 | 1678.9 | 1798.6 | 1836.2 | 1757.7 | 7.514 |
| (R) 6.9969 | 6.9587 | 7.2753 | 7.4594 | 7.514 | 179.01 |
| (P) 2180.0 | 2185.0 | 2284.4 | 2347.3 | 2347.3 | |

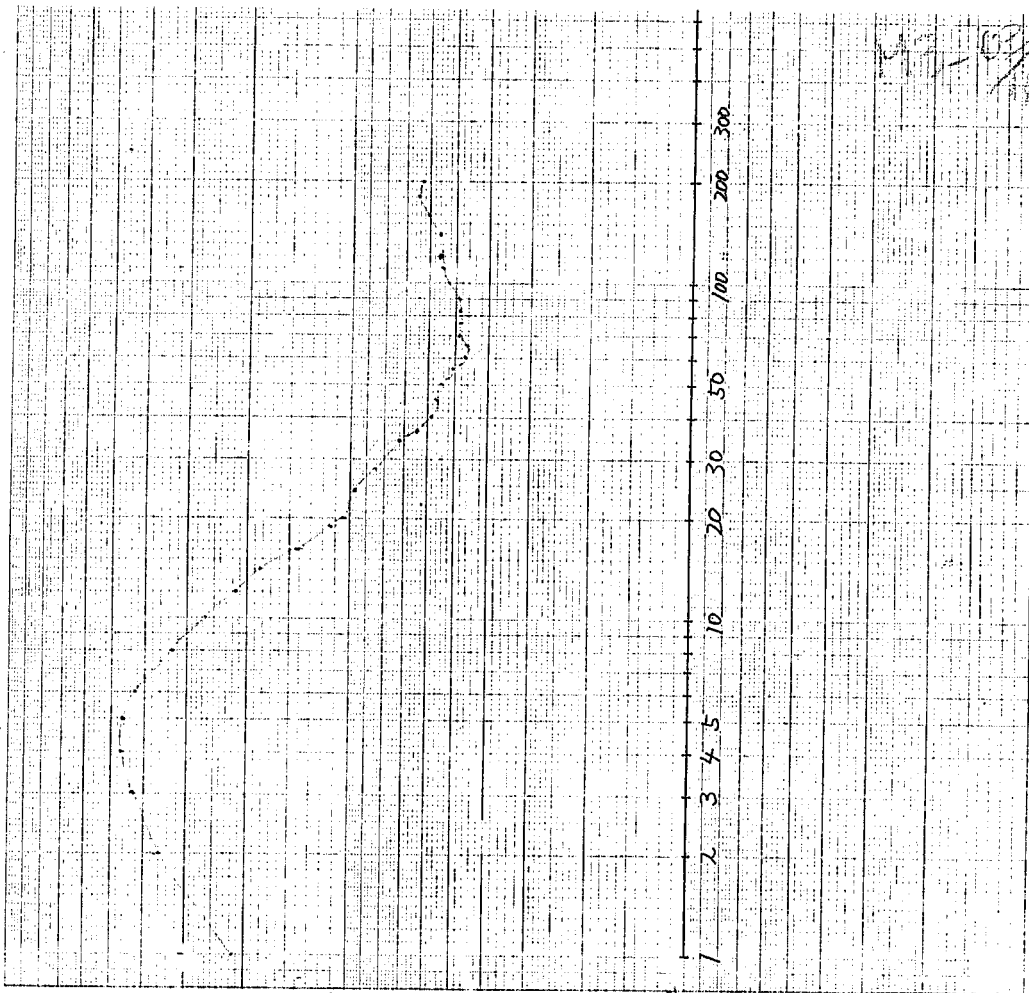
Miyuyu (4/4)



Namangudu (1/1)

Namangudu 25.08.2000
 $\rho_a = 2\pi a \cdot V / I = 6.28 \times a \cdot V / I$ (105)

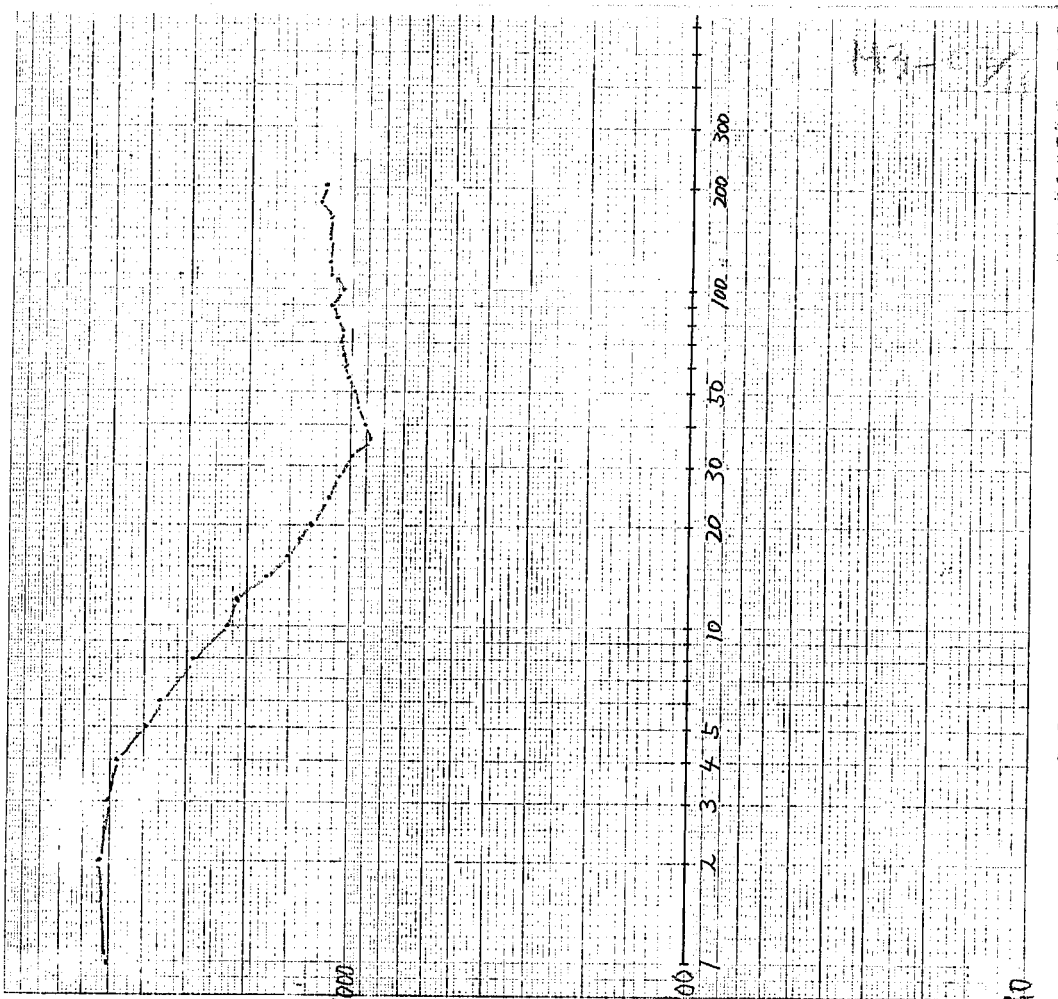
| TAG | a | mV | mA | R | ρ_a |
|-----|-----|----|----|--------|----------|
| 1 | 1 | | | 339.66 | 2132.06 |
| 2 | 2 | | | 297.82 | 3687.5 |
| 3 | 3 | | | 232.27 | 4375.14 |
| 4 | 4 | | | 182.26 | 4624.9 |
| 5 | 5 | | | 150.30 | 4419.11 |
| 6 | 6 | | | 117.79 | 4222.33 |
| 7 | 8 | | | 66.625 | 3351.47 |
| 8 | 10 | | | 42.924 | 2675.94 |
| 9 | 12 | | | 28.504 | 2129.23 |
| 10 | 14 | | | 20.820 | 1835.68 |
| 11 | 16 | | | 14.114 | 1411.92 |
| 12 | 18 | | | 10.166 | 1148.76 |
| 13 | 20 | | | 8.3237 | 1048.76 |
| 14 | 24 | | | 6.5563 | 940.98 |
| 15 | 28 | | | 4.8341 | 850.80 |
| 16 | 32 | | | 3.6453 | 782.27 |
| 17 | 36 | | | 2.8509 | 670.50 |
| 18 | 40 | | | 2.3788 | 587.55 |
| 19 | 45 | | | 2.0343 | 515.21 |
| 20 | 50 | | | 1.7525 | 551.86 |
| 21 | 55 | | | 1.4581 | 503.04 |
| 22 | 60 | | | 1.2664 | 477.51 |
| 23 | 65 | | | 1.1507 | 469.29 |
| 24 | 70 | | | 1.0265 | 486.96 |
| 25 | 76 | | | 1.5115 | 487.29 |
| 26 | 82 | | | 0.9366 | 482.14 |
| 27 | 90 | | | 0.8728 | 488.67 |
| 28 | 100 | | | 0.8151 | 511.88 |
| 29 | 110 | | | 0.7636 | 527.65 |
| 30 | 120 | | | 0.7225 | 518.16 |
| 31 | 140 | | | 0.6373 | 568.71 |
| 32 | 160 | | | 0.5075 | 607.80 |
| 33 | 180 | | | 0.5751 | 619.86 |
| 34 | 200 | | | 0.4764 | 625.46 |
| 35 | 220 | | | | |
| 36 | 240 | | | | |
| 37 | 260 | | | | |
| 38 | 280 | | | | |
| 39 | 300 | | | | |



Mnanje (1/1)

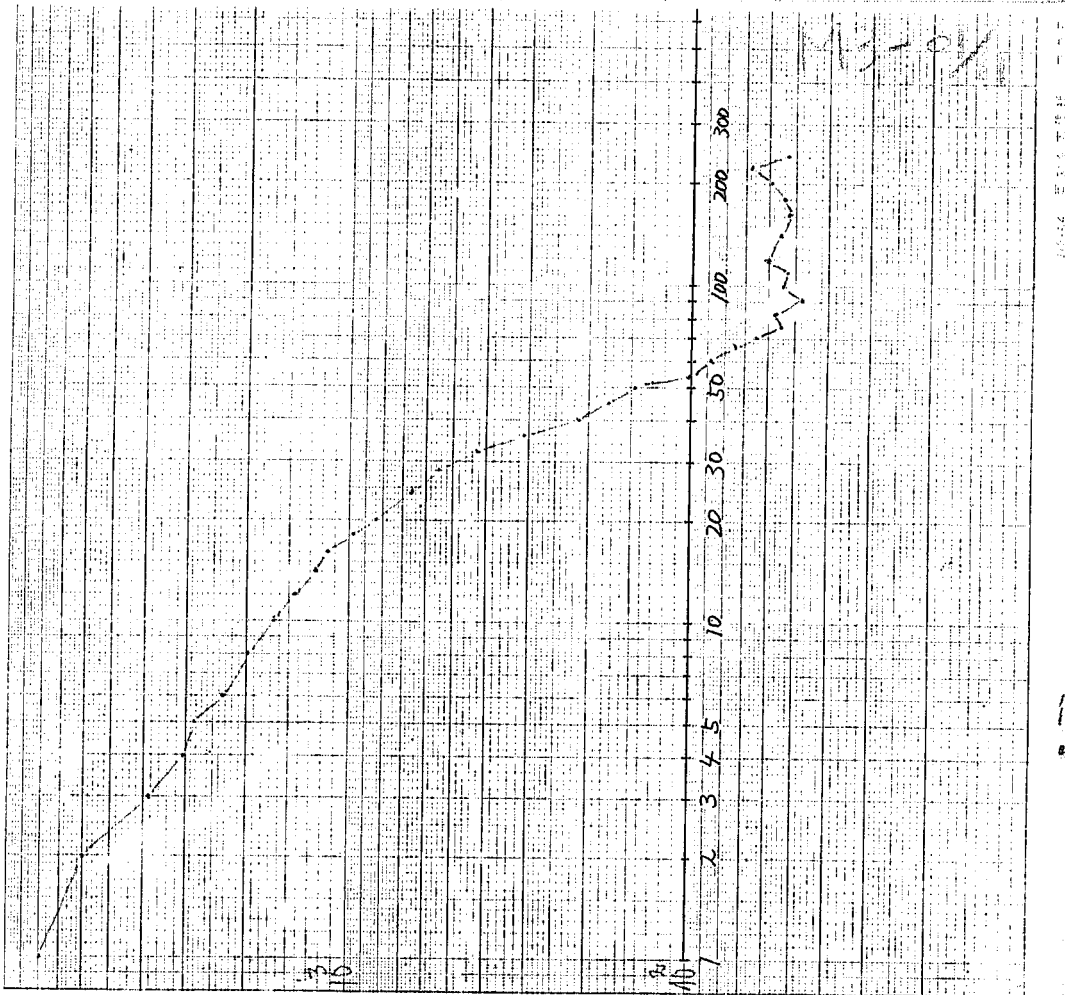
VES A Mnanje: Newala District
 24.08.2000 $\rho_a = 2\pi a \cdot V/I = 628 \times a \times V/I$

| TAG | a | mV | mA | R | ρ_a |
|-----|-----|----|----|--------|----------|
| 1 | 1 | | 1 | 818.76 | 5141.81 |
| 2 | 2 | | | 433.15 | 5457.69 |
| 3 | 3 | | | 273.90 | 5149.52 |
| 4 | 4 | | | 197.66 | 4835.77 |
| 5 | 5 | | | 125.80 | 3330.12 |
| 6 | 6 | | | 96.379 | 3631.60 |
| 7 | 8 | | | 57.420 | 2888.25 |
| 8 | 10 | | | 36.604 | 2298.86 |
| 9 | 12 | | | 28.550 | 2152.67 |
| 10 | 14 | | | 20.046 | 1764.05 |
| 11 | 16 | | | 15.200 | 1520.00 |
| 12 | 18 | | 2 | 12.566 | 1419.96 |
| 13 | 20 | | | 10.325 | 1307.25 |
| 14 | 24 | | | 7.7465 | 1169.72 |
| 15 | 28 | | | 6.2215 | 1094.98 |
| 16 | 32 | | | 4.9402 | 932.98 |
| 17 | 36 | | | 3.9118 | 834.07 |
| 18 | 40 | | | 3.6211 | 928.90 |
| 19 | 45 | | | 3.3425 | 945.23 |
| 20 | 50 | | 5 | 3.1604 | 992.37 |
| 21 | 55 | | | 2.9550 | 1033.28 |
| 22 | 60 | | | 2.7811 | 1048.93 |
| 23 | 65 | | | 2.5888 | 1056.27 |
| 24 | 70 | | | 2.4473 | 1074.17 |
| 25 | 76 | | | 2.2496 | 1070.67 |
| 26 | 82 | | | 2.1569 | 1110.80 |
| 27 | 90 | | 10 | 2.0735 | 1171.53 |
| 28 | 100 | | 5 | 1.9094 | 1076.36 |
| 29 | 110 | | | 1.7116 | 1182.71 |
| 30 | 120 | | | 1.5372 | 1180.21 |
| 31 | 140 | | 2 | 1.3525 | 1188.95 |
| 32 | 160 | | | 1.1850 | 1185.00 |
| 33 | 180 | | | 1.1078 | 1251.91 |
| 34 | 200 | | | 0.9676 | 1219.18 |
| 35 | 220 | | | | |
| 36 | 240 | | | | |
| 37 | 260 | | | | |
| 38 | 280 | | | | |
| 39 | 300 | | | | |



Kilidu (1/1)

KILIDU 30/06/2000



VESA
 $\rho_a = 2\pi a \cdot V / I = 6.28 \times a \times V / I$

| TAG | a | mV | mA | R | ρ_a |
|-----|-----|---------|---------|---|----------|
| 1 | 1 | 1269.40 | 797.83 | | |
| 2 | 2 | 477.40 | 6015.74 | | |
| 3 | 3 | 204.53 | 3845.16 | | |
| 4 | 4 | 121.47 | 3048.90 | | |
| 5 | 5 | 81.70 | 2848.24 | | |
| 6 | 6 | 62.374 | 2351.50 | | |
| 7 | 8 | 39.678 | 1995.85 | | |
| 8 | 10 | 26.396 | 1657.67 | | |
| 9 | 12 | 19.061 | 1437.20 | | |
| 10 | 14 | 14.759 | 1254.79 | | |
| 11 | 16 | 11.610 | 1161.00 | | |
| 12 | 18 | 8.5658 | 967.94 | | |
| 13 | 20 | 6.6438 | 877.12 | | |
| 14 | 24 | 4.4145 | 666.99 | | |
| 15 | 28 | 3.1420 | 557.99 | | |
| 16 | 32 | 2.0942 | 420.93 | | |
| 17 | 36 | 1.7669 | 368.81 | | |
| 18 | 40 | 0.8764 | 225.00 | | |
| 19 | 45 | 0.6253 | 176.96 | | |
| 20 | 50 | 0.4650 | 146.79 | | |
| 21 | 55 | 0.2953 | 101.88 | | |
| 22 | 60 | 0.2265 | 85.39 | | |
| 23 | 65 | 0.1817 | 74.13 | | |
| 24 | 70 | 0.1466 | 64.50 | | |
| 25 | 76 | 0.1161 | 55.38 | | |
| 26 | 82 | 0.1121 | 57.73 | | |
| 27 | 90 | 0.0849 | 47.97 | | |
| 28 | 100 | 0.0882 | 55.79 | | |
| 29 | 110 | 0.0779 | 53.83 | | |
| 30 | 120 | 0.0796 | 60.02 | | |
| 31 | 140 | 0.0631 | 55.42 | | |
| 32 | 160 | 0.0527 | 58.30 | | |
| 33 | 180 | 0.0480 | 54.24 | | |
| 34 | 200 | 0.0472 | 59.47 | | |
| 35 | 220 | 0.0485 | 66.93 | | |
| 36 | 240 | 0.0398 | 52.25 | | |
| 37 | 260 | | | | |
| 38 | 280 | | | | |
| 39 | 300 | | | | |

Masaki District

Nanganga (1/6)

L2-10/10

0.2.031

11:05 - (4: 4.5)

Site Name: NANGANGA
Line No: 1
Date: 31.10.2020
Page: /

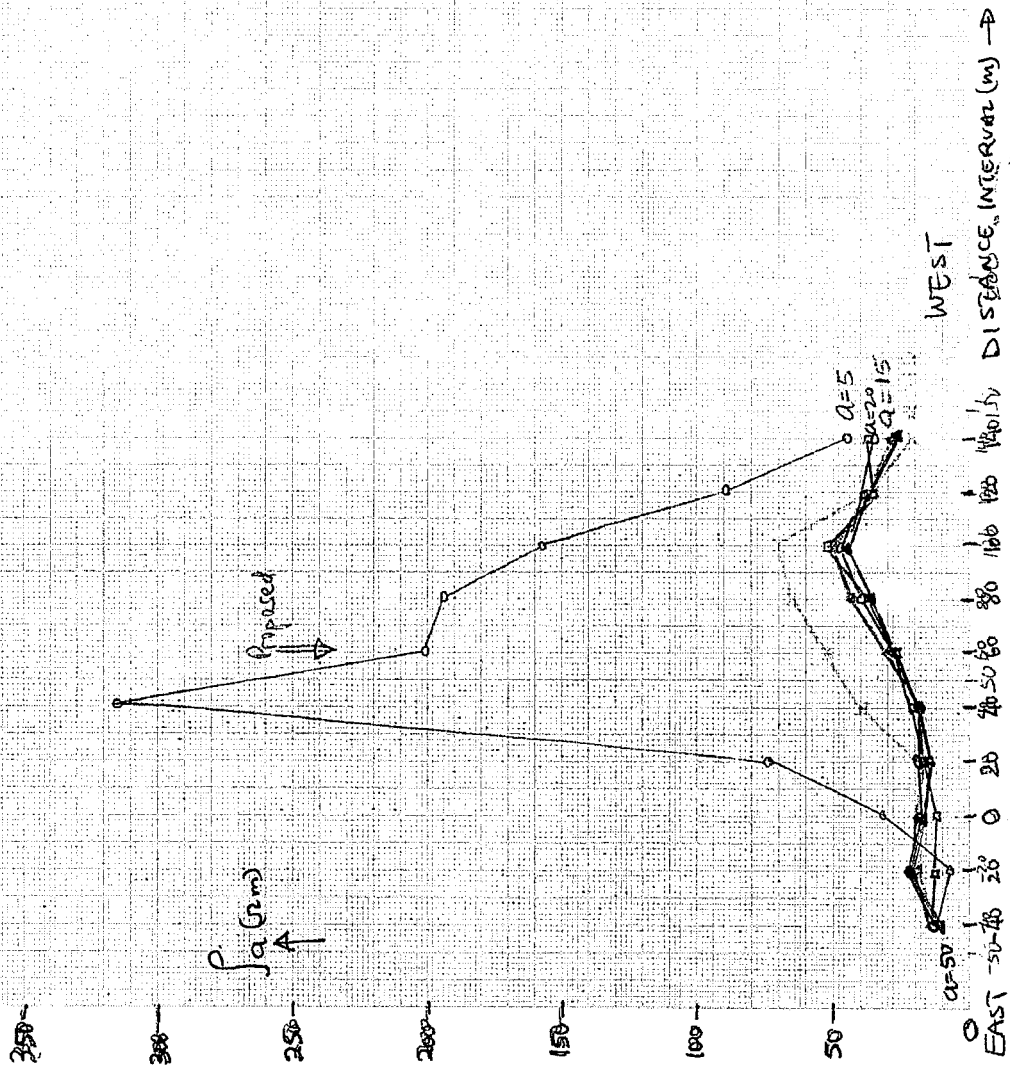
| H | EAST | | | | | | | | | | WEST | | | | | | | | | |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|--|
| | -40 | -20 | 0 | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | | |
| (R) | 0.1748 | 0.4073 | 0.2941 | 0.3075 | 0.6357 | 0.8502 | 1.0669 | 1.0176 | 2.3600 | 10.040 | 10.040 | 10.040 | 10.040 | 10.040 | 10.040 | 10.040 | 10.040 | 10.040 | | |
| (P) | 12.23 | 12.79 | 18.47 | 19.31 | 39.92 | 53.35 | 67.00 | 31.95 | 74.10 | 315.26 | 315.26 | 315.26 | 315.26 | 315.26 | 315.26 | 315.26 | 315.26 | 315.26 | | |
| (R) | 0.1085 | 0.1237 | 0.1413 | 0.1489 | 0.1430 | 0.2152 | 0.3198 | 0.2070 | 0.1980 | 0.02011 | 0.02011 | 0.02011 | 0.02011 | 0.02011 | 0.02011 | 0.02011 | 0.02011 | 0.02011 | | |
| (P) | 13.63 | 11.65 | 17.75 | 18.70 | 17.96 | 27.03 | 40.2 | 19.50 | 18.65 | 18.94 | 27.03 | 30.52 | 30.52 | 30.52 | 30.52 | 30.52 | 30.52 | 30.52 | | |
| (R) | 0.0749 | 0.0787 | 0.0665 | 0.0903 | 0.1104 | 0.1400 | 0.1944 | 0.0665 | 0.0665 | 0.1104 | 0.1400 | 0.1944 | 0.1944 | 0.1944 | 0.1944 | 0.1944 | 0.1944 | 0.1944 | | |
| (P) | 14.11 | 13.35 | 12.53 | 17.01 | 20.8 | 26.38 | 36.62 | 12.53 | 12.53 | 20.8 | 26.38 | 36.62 | 36.62 | 36.62 | 36.62 | 36.62 | 36.62 | 36.62 | | |
| (R) | 0.0329 | 0.0707 | 0.0465 | 0.0417 | 0.0535 | 0.0852 | 0.1115 | 0.0465 | 0.0465 | 0.0535 | 0.0852 | 0.1115 | 0.1115 | 0.1115 | 0.1115 | 0.1115 | 0.1115 | 0.1115 | | |
| (P) | 10.33 | 22.20 | 14.60 | 13.94 | 16.8 | 26.75 | 35.01 | 14.60 | 14.60 | 16.8 | 26.75 | 35.01 | 35.01 | 35.01 | 35.01 | 35.01 | 35.01 | 35.01 | | |

Turning

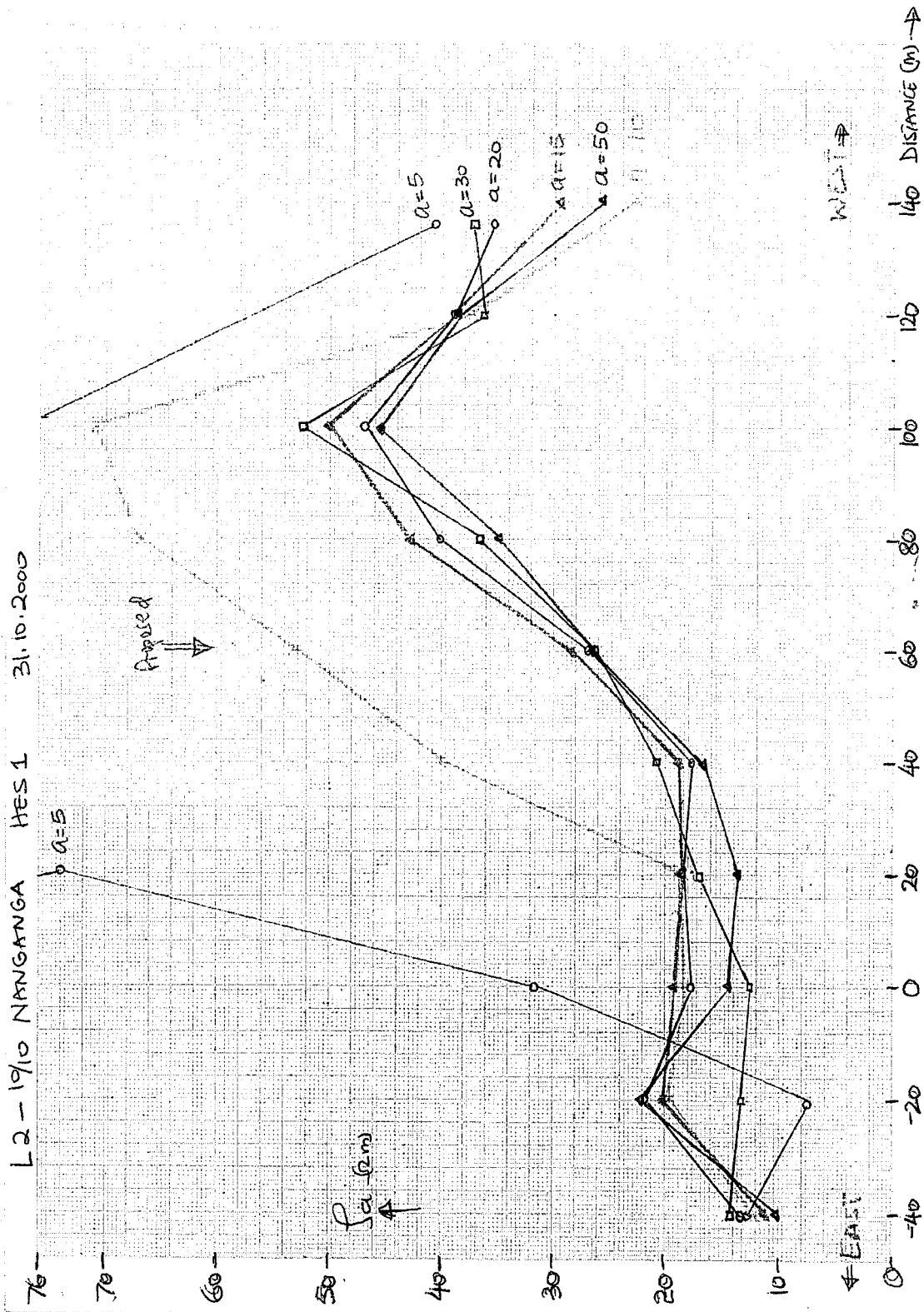
| H | EAST | | | | | | | | | | WEST | | | | | | | | | |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | 340 | 360 | 380 | 400 | 420 | 440 | 460 | |
| (R) | 1.1341 | 5.0049 | 0.3616 | 0.3616 | 1.4162 | 2.00 | 2.20 | 1.4162 | 2.00 | 2.20 | 2.00 | 2.20 | 2.00 | 2.20 | 2.00 | 2.20 | 2.00 | 2.20 | 2.00 | |
| (P) | 71.22 | 157.15 | 37.45 | 37.45 | 44.47 | 180 | 180 | 44.47 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | |
| (R) | 0.9761 | 0.3114 | 0.2829 | 0.2829 | 0.3141 | 0.3141 | 0.3141 | 0.3141 | 0.3141 | 0.3141 | 0.3141 | 0.3141 | 0.3141 | 0.3141 | 0.3141 | 0.3141 | 0.3141 | 0.3141 | 0.3141 | |
| (P) | 47.24 | 50.71 | 35.53 | 35.53 | 29.59 | 160 | 160 | 29.59 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | |
| (R) | 0.2177 | 0.1934 | 0.1978 | 0.1978 | 0.1978 | 0.1978 | 0.1978 | 0.1978 | 0.1978 | 0.1978 | 0.1978 | 0.1978 | 0.1978 | 0.1978 | 0.1978 | 0.1978 | 0.1978 | 0.1978 | 0.1978 | |
| (P) | 52.2 | 36.44 | 37.27 | 37.27 | 37.27 | 37.27 | 37.27 | 37.27 | 37.27 | 37.27 | 37.27 | 37.27 | 37.27 | 37.27 | 37.27 | 37.27 | 37.27 | 37.27 | 37.27 | |
| (R) | 0.1423 | 0.1236 | 0.0826 | 0.0826 | 0.0826 | 0.0826 | 0.0826 | 0.0826 | 0.0826 | 0.0826 | 0.0826 | 0.0826 | 0.0826 | 0.0826 | 0.0826 | 0.0826 | 0.0826 | 0.0826 | 0.0826 | |
| (P) | 44.68 | 38.81 | 25.94 | 25.94 | 25.94 | 25.94 | 25.94 | 25.94 | 25.94 | 25.94 | 25.94 | 25.94 | 25.94 | 25.94 | 25.94 | 25.94 | 25.94 | 25.94 | 25.94 | |

Nanganga (2/6)

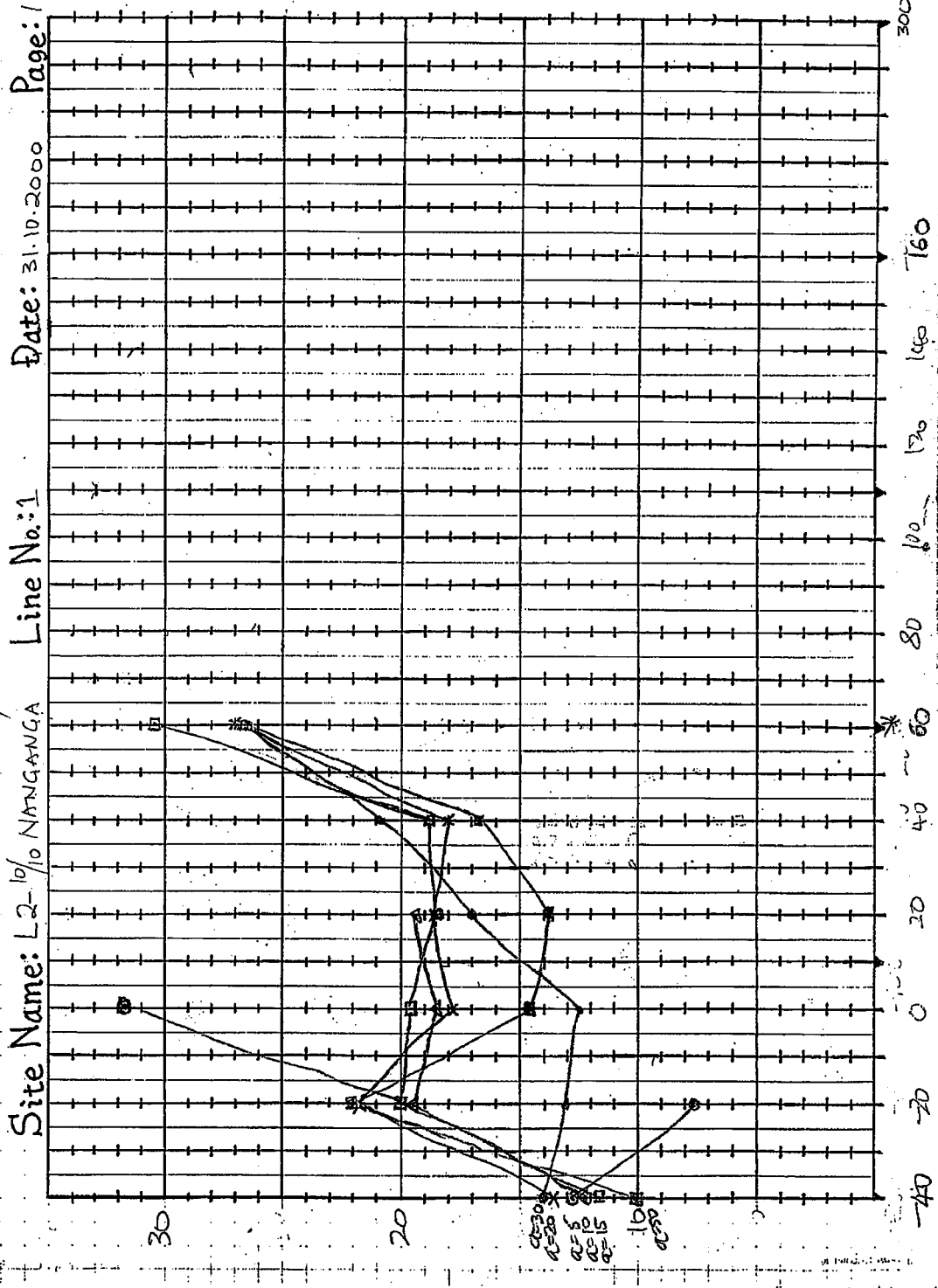
L2-10/10 NANGANGA HES 1 31.10.2000



Nanganga (3/6)



Nanganga (4/6)



Nanganga (5/6)

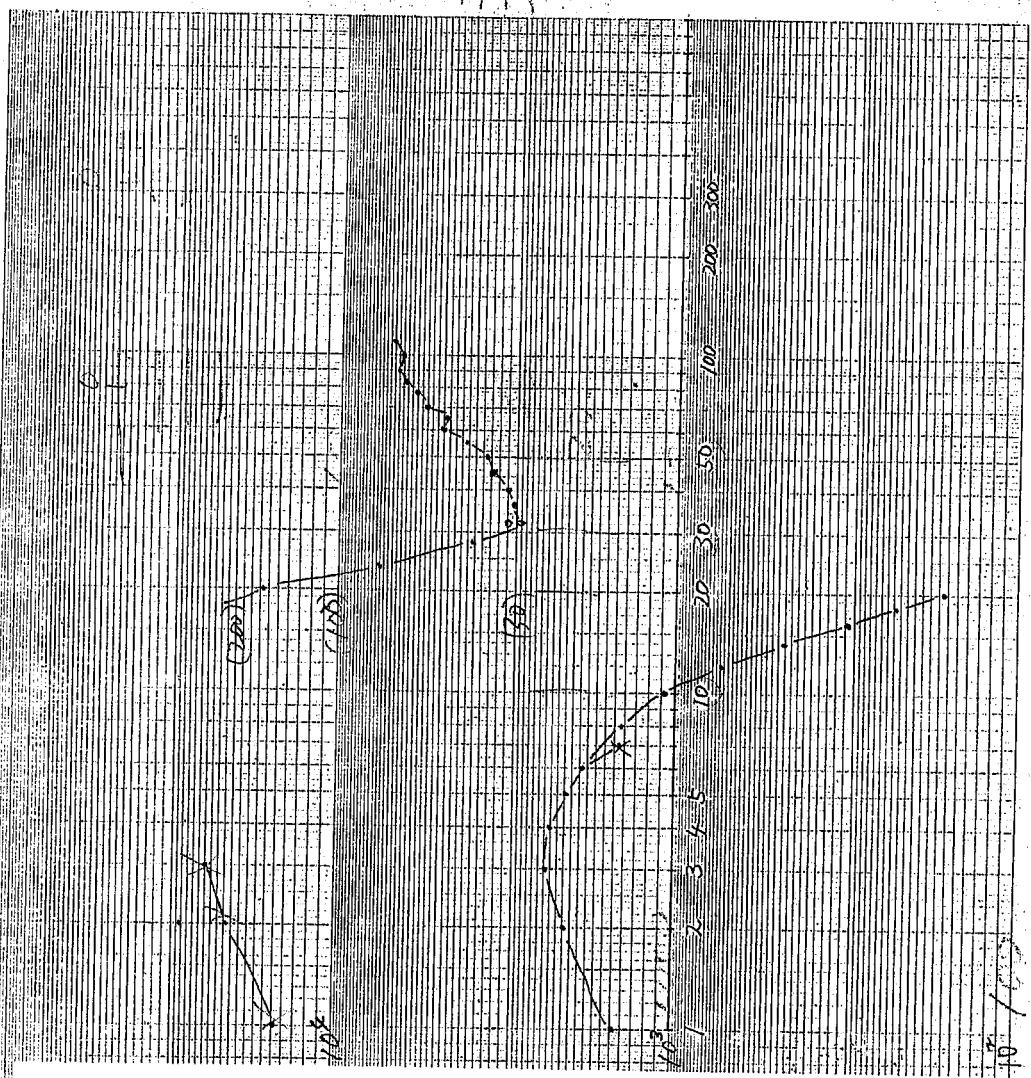
M4-11/11

1.8.2000
Des
NANGANGA

| TAG | a | mv | mA | R | OR |
|-----|-----|----|----|---|----|
| 1 | 1 | | | | |
| 2 | 2 | | | | |
| 3 | 3 | | | | |
| 4 | 4 | | | | |
| 5 | 5 | | | | |
| 6 | 6 | | | | |
| 7 | 7 | | | | |
| 8 | 8 | | | | |
| 9 | 9 | | | | |
| 10 | 10 | | | | |
| 11 | 11 | | | | |
| 12 | 12 | | | | |
| 13 | 13 | | | | |
| 14 | 14 | | | | |
| 15 | 15 | | | | |
| 16 | 16 | | | | |
| 17 | 17 | | | | |
| 18 | 18 | | | | |
| 19 | 19 | | | | |
| 20 | 20 | | | | |
| 21 | 21 | | | | |
| 22 | 22 | | | | |
| 23 | 23 | | | | |
| 24 | 24 | | | | |
| 25 | 25 | | | | |
| 26 | 26 | | | | |
| 27 | 27 | | | | |
| 28 | 28 | | | | |
| 29 | 29 | | | | |
| 30 | 30 | | | | |
| 31 | 31 | | | | |
| 32 | 32 | | | | |
| 33 | 33 | | | | |
| 34 | 34 | | | | |
| 35 | 35 | | | | |
| 36 | 36 | | | | |
| 37 | 37 | | | | |
| 38 | 38 | | | | |
| 39 | 39 | | | | |
| 40 | 40 | | | | |
| 41 | 41 | | | | |
| 42 | 42 | | | | |
| 43 | 43 | | | | |
| 44 | 44 | | | | |
| 45 | 45 | | | | |
| 46 | 46 | | | | |
| 47 | 47 | | | | |
| 48 | 48 | | | | |
| 49 | 49 | | | | |
| 50 | 50 | | | | |
| 51 | 51 | | | | |
| 52 | 52 | | | | |
| 53 | 53 | | | | |
| 54 | 54 | | | | |
| 55 | 55 | | | | |
| 56 | 56 | | | | |
| 57 | 57 | | | | |
| 58 | 58 | | | | |
| 59 | 59 | | | | |
| 60 | 60 | | | | |
| 61 | 61 | | | | |
| 62 | 62 | | | | |
| 63 | 63 | | | | |
| 64 | 64 | | | | |
| 65 | 65 | | | | |
| 66 | 66 | | | | |
| 67 | 67 | | | | |
| 68 | 68 | | | | |
| 69 | 69 | | | | |
| 70 | 70 | | | | |
| 71 | 71 | | | | |
| 72 | 72 | | | | |
| 73 | 73 | | | | |
| 74 | 74 | | | | |
| 75 | 75 | | | | |
| 76 | 76 | | | | |
| 77 | 77 | | | | |
| 78 | 78 | | | | |
| 79 | 79 | | | | |
| 80 | 80 | | | | |
| 81 | 81 | | | | |
| 82 | 82 | | | | |
| 83 | 83 | | | | |
| 84 | 84 | | | | |
| 85 | 85 | | | | |
| 86 | 86 | | | | |
| 87 | 87 | | | | |
| 88 | 88 | | | | |
| 89 | 89 | | | | |
| 90 | 90 | | | | |
| 91 | 91 | | | | |
| 92 | 92 | | | | |
| 93 | 93 | | | | |
| 94 | 94 | | | | |
| 95 | 95 | | | | |
| 96 | 96 | | | | |
| 97 | 97 | | | | |
| 98 | 98 | | | | |
| 99 | 99 | | | | |
| 100 | 100 | | | | |

OR = $2\pi R \cdot V / I$
 = $6.28 \times R \times V / I$

13/22

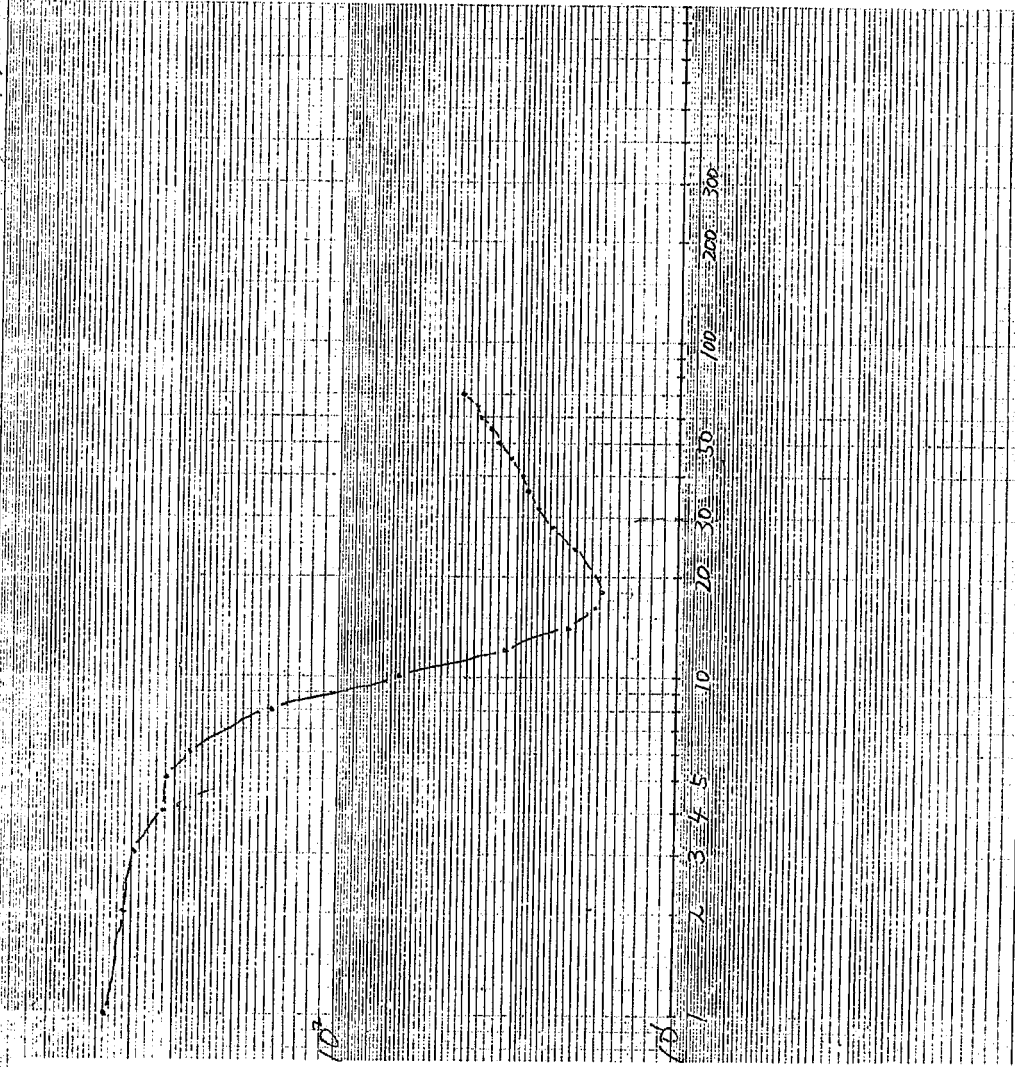


115-A1 電 流 測 定 機 用 紙 目 録 用 紙

Nanganga (6/6)

M4-11/11

100% sumber air esel



2.2.2000 NANGANGA

| TAG | a | mbv | ma | R | OR |
|-----|-----|------|-----|---|--------|
| 1 | 177 | 286 | | | 65.4 |
| 2 | 33 | 368 | | | 42.9 |
| 3 | 21 | 2795 | | | 36.3 |
| 4 | 12 | 175 | | | 31.2 |
| 5 | 10 | 183 | | | 31.2 |
| 6 | 7 | 228 | | | 27.2 |
| 7 | 3 | 191 | | | 15.9 |
| 8 | 10 | 14 | | | 6.8 |
| 9 | 12 | 0.4 | 266 | | 11.7 |
| 10 | 14 | 2.36 | 108 | | 22.2 |
| 11 | 16 | 0.17 | 63 | | 19.6 |
| 12 | 18 | 0.1 | 44 | | 16.8 |
| 13 | 20 | 0.1 | 384 | | 17.4 |
| 14 | 24 | 0.1 | 42 | | 14.5 |
| 15 | 28 | 0.1 | 336 | | 23.5 |
| 16 | 32 | 0.1 | 301 | | 26.2 |
| 17 | 36 | 0.1 | 274 | | 27.8 |
| 18 | 40 | 0.1 | 33 | | 28.4 |
| 19 | 45 | 0.1 | 16 | | 31.6 |
| 20 | 50 | 0.1 | 175 | | 34.4 |
| 21 | 55 | 0.1 | 50 | | 35.225 |
| 22 | 60 | 0.1 | 31 | | 38.9 |
| 23 | 65 | 0.1 | 279 | | 37.9 |
| 24 | 70 | 0.1 | 15 | | 44.6 |
| 25 | 76 | | | | |
| 26 | 82 | | | | |
| 27 | 90 | | | | |
| 28 | 100 | | | | |
| 29 | 110 | | | | |
| 30 | 120 | | | | |
| 31 | 140 | | | | |
| 32 | 160 | | | | |
| 33 | 180 | | | | |
| 34 | 200 | | | | |
| 35 | 220 | | | | |
| 36 | 240 | | | | |
| 37 | 260 | | | | |
| 38 | 280 | | | | |
| 39 | 300 | | | | |

$$OR = 2728 \cdot V / I$$

$$= 6.28 \times 2 \times V / I$$

(.0644)

(0.1524)

(0.1017)

14/22

Mpeta (1/2)

7x40

Site Name: MPEETA Line No: / Date: 3/8/2000 Page: 1

| | | | | | | | | | |
|------|-------|-----|-----|--|--|--|--|--|--|
| H | 280 | 240 | 200 | | | | | | |
| (R) | | | | | | | | | |
| 10 | 11054 | | | | | | | | |
| (Pa) | 644 | | | | | | | | |
| (R) | | | | | | | | | |
| 20 | | | | | | | | | |
| (Pa) | | | | | | | | | |
| (R) | | | | | | | | | |
| 30 | | | | | | | | | |
| (Pa) | | | | | | | | | |
| (R) | | | | | | | | | |
| 50 | | | | | | | | | |
| (Pa) | | | | | | | | | |

| | | | | | | | | | | | |
|------|---------|--------|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| | | WEST | | WE | | → E | | MARE | | EAST | |
| H | 10 | 40 | 80 | 120 | 160 | 200 | 240 | 280 | 320 | 360 | 400 |
| (R) | | | | | | | | | | | |
| 10 | 17912 | 13231 | 114038 | 14762 | 15460 | 15828 | 16054 | 16072 | 16105 | 16110 | 16110 |
| (Pa) | (112.5) | 87.1 | 80.2 | 92.7 | 97.1 | 92.2 | 69.5 | 69.5 | 69.5 | 56.6 | 56.6 |
| (R) | | | | | | | | | | | |
| 20 | 0.9750 | 0.9026 | 0.8488 | 0.4841 | 0.6195 | 0.5281 | 0.6072 | 0.6072 | 0.5848 | 0.5848 | 0.5848 |
| (Pa) | 122 | 113.4 | (0.67) | 60.8 | 75.4 | 66.4 | 76.3 | 73.5 | 73.5 | 73.5 | 73.5 |
| (R) | | | | | | | | | | | |
| 30 | 0.9096 | 0.7763 | 0.8272 | 0.4507 | 0.5397 | 0.5774 | 0.5543 | 0.5543 | 0.5809 | 0.5809 | 0.5809 |
| (Pa) | (171.5) | (46.3) | 155.9 | (84.9) | 101.7 | 107.9 | 108.5 | 108.5 | 109.5 | 109.5 | 109.5 |
| (R) | | | | | | | | | | | |
| 50 | 0.7960 | 0.7430 | 0.6472 | 0.5375 | 0.4599 | 0.5402 | 0.5262 | 0.5262 | 0.5109 | 0.5109 | 0.5109 |
| (Pa) | 250 | 237 | 703 | 168.9 | (144.5) | 169.7 | 184.2 | 184.2 | 191.9 | 191.9 | 191.9 |
| (R) | | | | | | | | | | | |
| 70 | | | | | | | | | | | |
| (Pa) | | | | | | | | | | | |

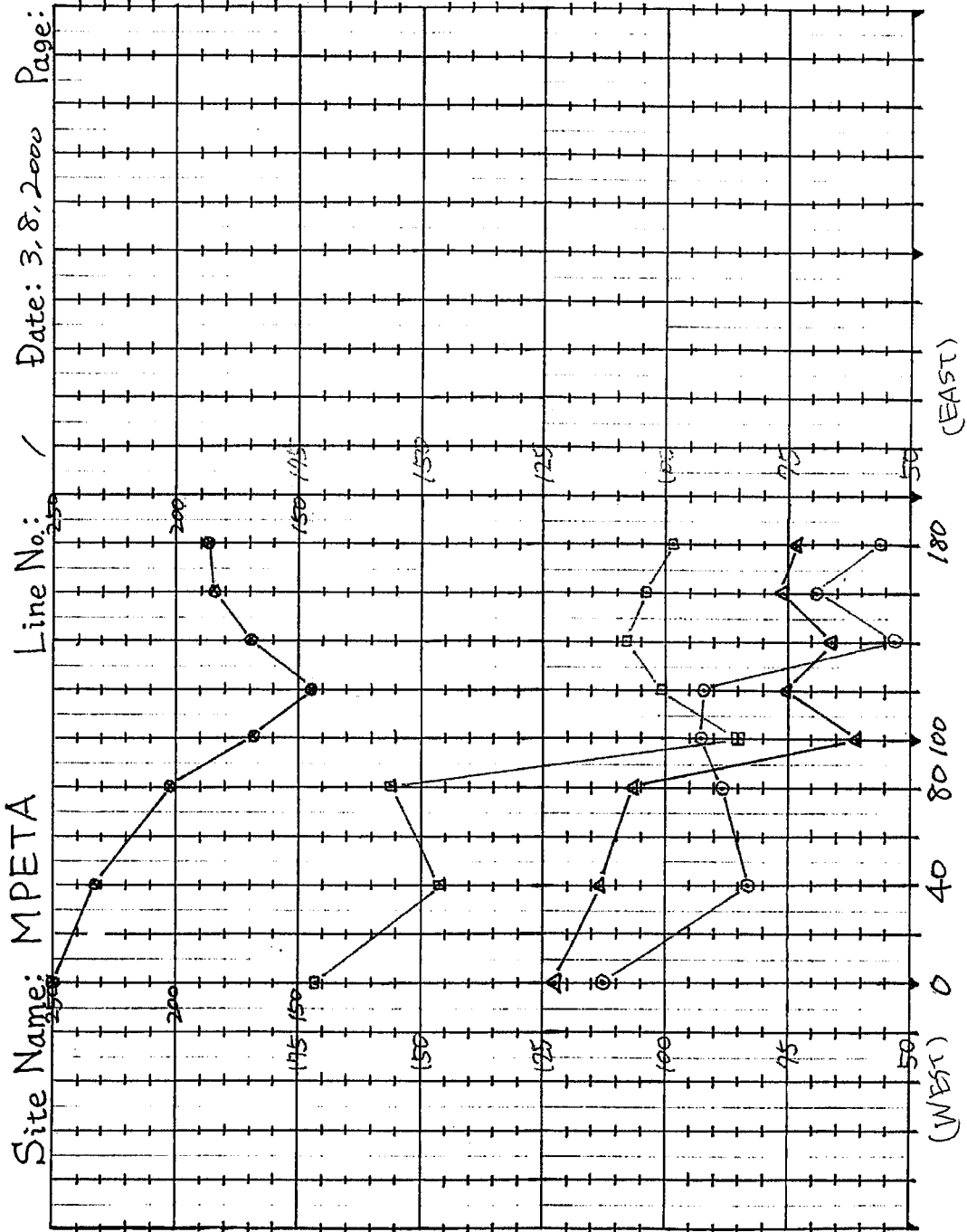
187.6
187.6

7/20

Mpeta (2/2)

MA 40/11

1/1

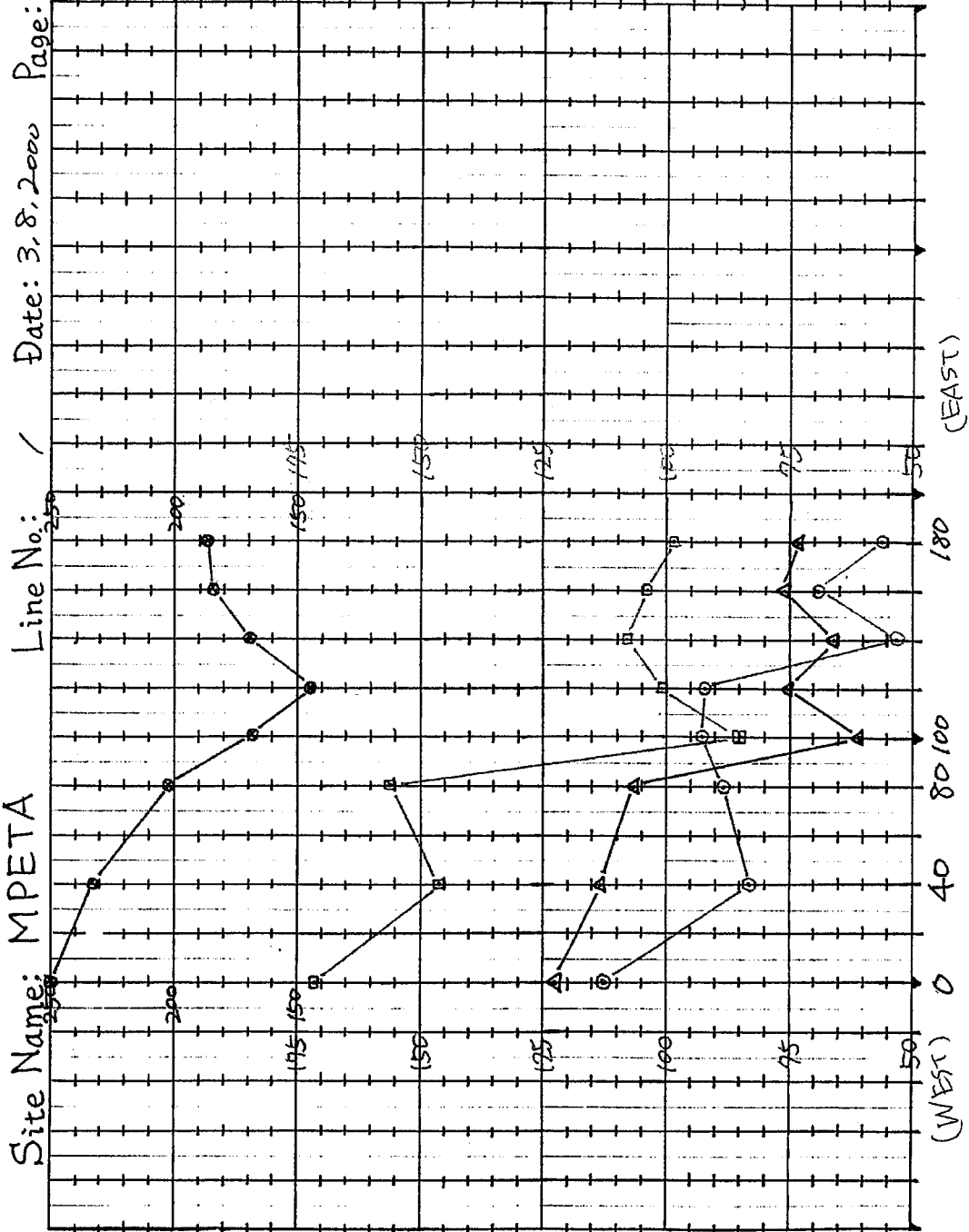


(22)

Mitonji (1/4)

14-10/11

1/1



(22)

Mitonji (2/4)



50x10
 25
 Ah = ~~30~~ Site Name: MITTONJI Line No: / 100.5 Date: 3.8.2008 Page: 1/1
 W ← → E
 N 25
 (VES)

| | | | | | |
|------|--------|--------|--------|--------|-----------|
| H | 0 | 75 | 100 | 125 | 150 |
| (R) | 0.3609 | 0.5482 | 0.5861 | 0.5983 | 0.6606593 |
| (Pa) | 22.7 | 32.6 | 36.9 | 37.3 | 41.5 |
| (R) | 0.2654 | 0.3986 | 0.3265 | 0.3958 | 0.4109 |
| (Pa) | 33.4 | 42.6 | 41.1 | 49.7 | 82.5 |
| (R) | 0.2028 | 0.2885 | 0.3401 | 0.3219 | 0.3169 |
| (Pa) | 38.2 | 54.4 | 64.1 | 60.7 | 59.7 |
| (R) | 0.1899 | 0.2542 | 0.2828 | 0.2642 | 0.2670 |
| (Pa) | 57.7 | 79.9 | 88.8 | 82.98 | 84.7 |

N = 9 x 4 = 36

| | | | | | | | | | | | | | | | | | | | |
|------|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| H | 175 | | | | | | | | | | | | | | | | | | |
| (R) | | | | | | | | | | | | | | | | | | | |
| (Pa) | | | | | | | | | | | | | | | | | | | |
| (R) | | | | | | | | | | | | | | | | | | | |
| (Pa) | | | | | | | | | | | | | | | | | | | |
| (R) | | | | | | | | | | | | | | | | | | | |
| (Pa) | | | | | | | | | | | | | | | | | | | |
| (R) | | | | | | | | | | | | | | | | | | | |
| (Pa) | | | | | | | | | | | | | | | | | | | |

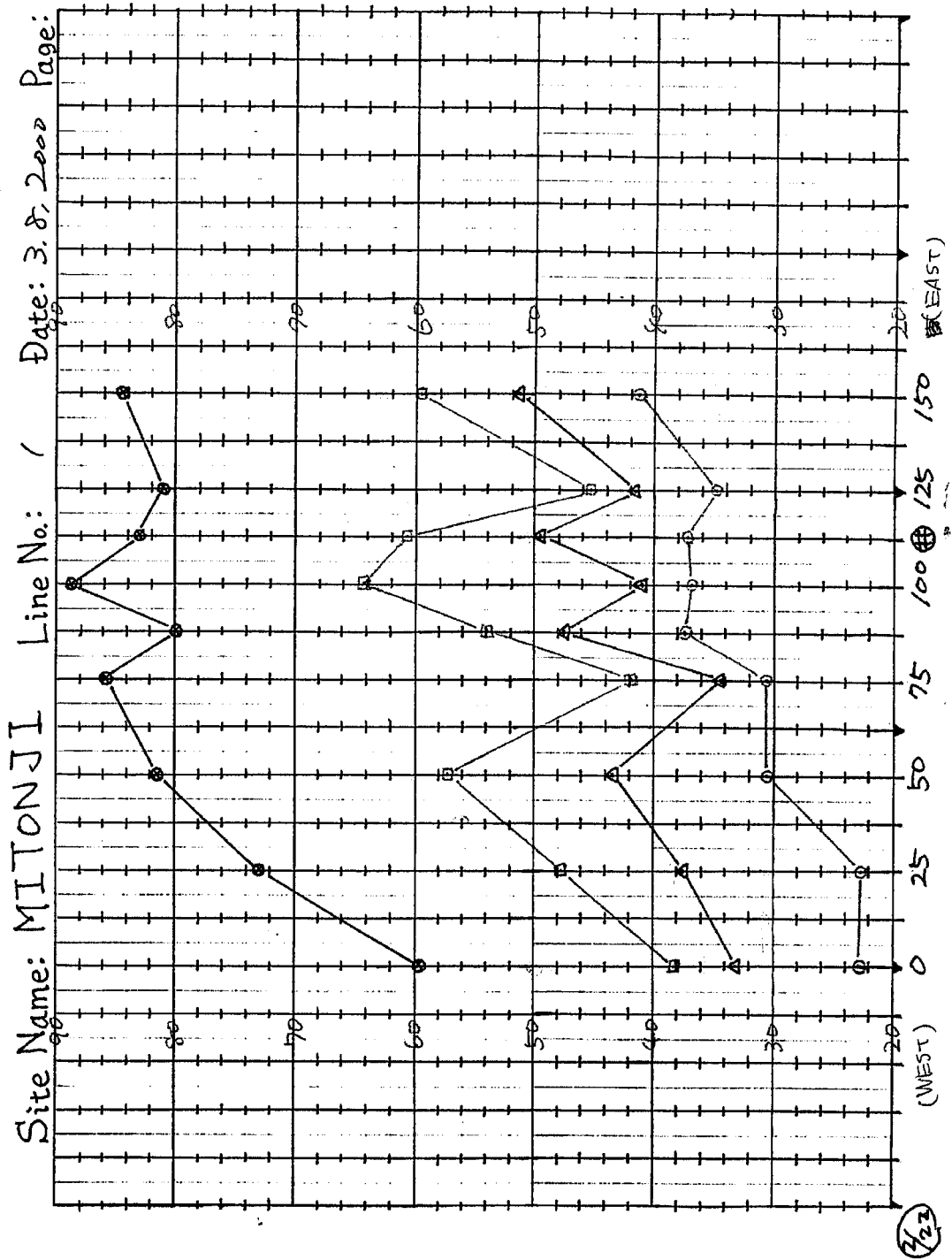
M4-09/11

3/20

Mitonji (3/4)

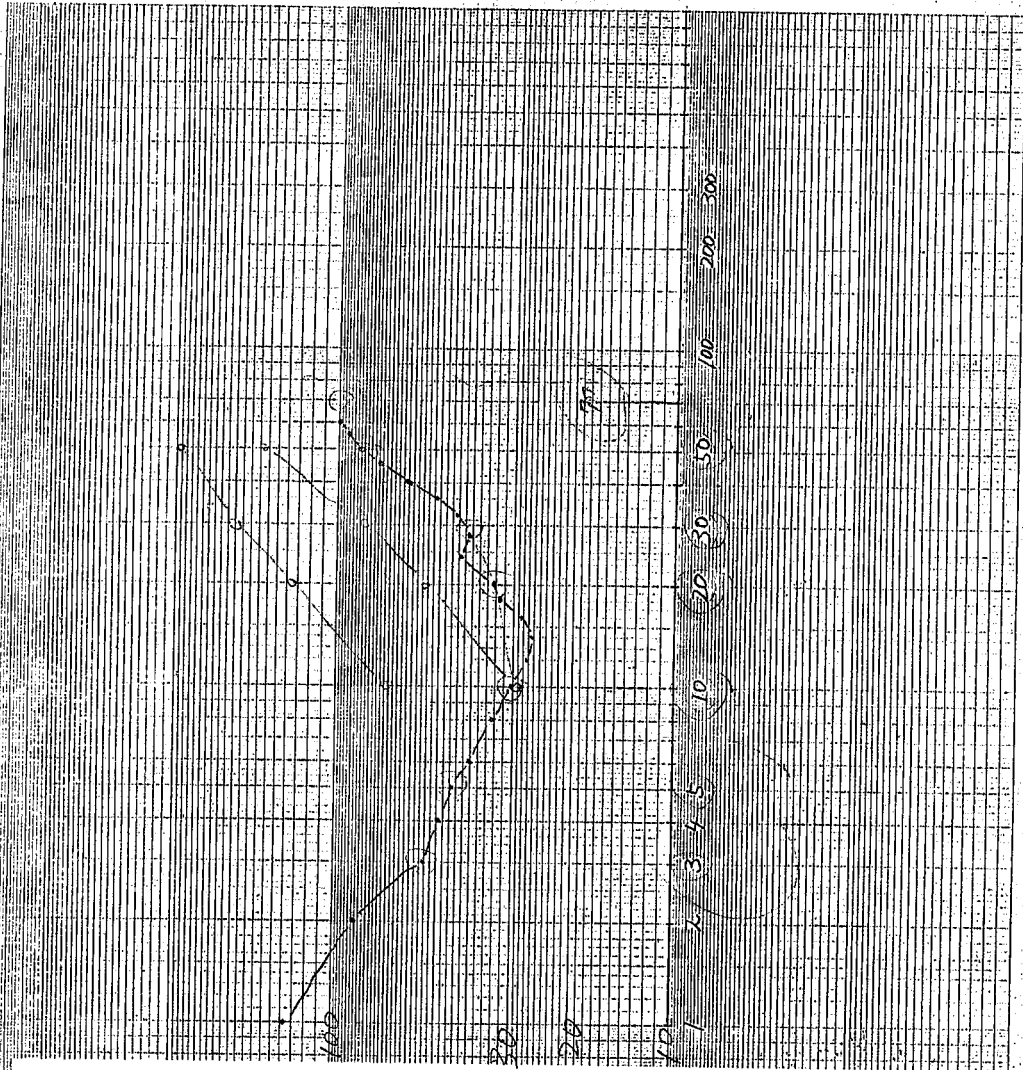
M4-09/11

1/1



Mitonji (4/4)

M4-09/11



MITONJI

| TAG | a | mV | mA | R | Pa |
|-----|-----|---------|----|---|----|
| 1 | 1 | 21.879 | | | |
| 2 | 2 | 6.8642 | | | |
| 3 | 3 | 2.9202 | | | |
| 4 | 4 | 1.9728 | | | |
| 5 | 5 | 1.4484 | | | |
| 6 | 6 | 1.0182 | | | |
| 7 | 8 | 0.8723 | | | |
| 8 | 10 | 0.5857 | | | |
| 9 | 12 | 0.3619 | | | |
| 10 | 14 | 0.3084 | | | |
| 11 | 16 | 0.2825 | | | |
| 12 | 18 | 0.2723 | | | |
| 13 | 20 | 0.2712 | | | |
| 14 | 24 | 0.2888 | | | |
| 15 | 28 | 0.2312 | | | |
| 16 | 32 | 0.2209 | | | |
| 17 | 36 | 0.2255 | | | |
| 18 | 40 | 0.2462 | | | |
| 19 | 45 | 0.24733 | | | |
| 20 | 50 | 0.2639 | | | |
| 21 | 55 | 0.2635 | | | |
| 22 | 60 | | | | |
| 23 | 65 | | | | |
| 24 | 70 | | | | |
| 25 | 76 | | | | |
| 26 | 82 | | | | |
| 27 | 90 | | | | |
| 28 | 100 | | | | |
| 29 | 110 | | | | |
| 30 | 120 | | | | |
| 31 | 140 | | | | |
| 32 | 160 | | | | |
| 33 | 180 | | | | |
| 34 | 200 | | | | |
| 35 | 220 | | | | |
| 36 | 240 | | | | |
| 37 | 260 | | | | |
| 38 | 280 | | | | |
| 39 | 300 | | | | |

$$Pa = 2 \pi a \cdot V / l$$

$$= 6.28 \times a \times V / l$$

3.12.2003

vest

5/22

Msanga (1/4)

Page: VEST → E

Date: 24, 08, 2000.

Line No.: /

Site Name: Msanga

Win

| H | 160 | 140 | 120 | 100 | 80 | 60 | 40 | 20 | 0 |
|-----|------------------|------------------|-----------------|----------------|----------------|----------------|----------------|---------------|--------------|
| (R) | 17309 | 1400 | 1140 | 800 | 500 | 200 | 100 | 50 | 0 |
| (R) | 17309 | 21.4113 | 36.906 | 44.270 | 40.938 | 30.265 | 19.446 | 30.265 | 60x |
| (R) | 967.1 | 1245 | 2305 | 2780. | 2557.9 | 1944.6 | 3733 | 3733 | |
| (R) | 61816 | 8.7145 | 12.852 | 12.855 | 14.493 | 15.073 | 1897.2 | 15.073 | |
| (R) | 77541 | 1107 | 1614 | 1564 | 1820.7 | 1897.2 | 2978.5 | 1897.2 | |
| (R) | 2925 | 4.8177 | 4.7033 | 2.7047 | 4.5025 | 6.5522 | 1794 | 6.5522 | |
| (R) | 551.4 | 908.1 | 887. | 560.4 | 959.4 | 1235.4 | 1794 | 1235.4 | 2205 |
| (R) | 11760 | 0.888 | 1.1504 | 1.1259 | 0.8741 | 1.3362 | 0.8741 | 1.3362 | |
| (R) | 353.6 | 2789 | 347.1 | 353.5 | 274.5 | 419.6 | 353 | 419.6 | 241 |

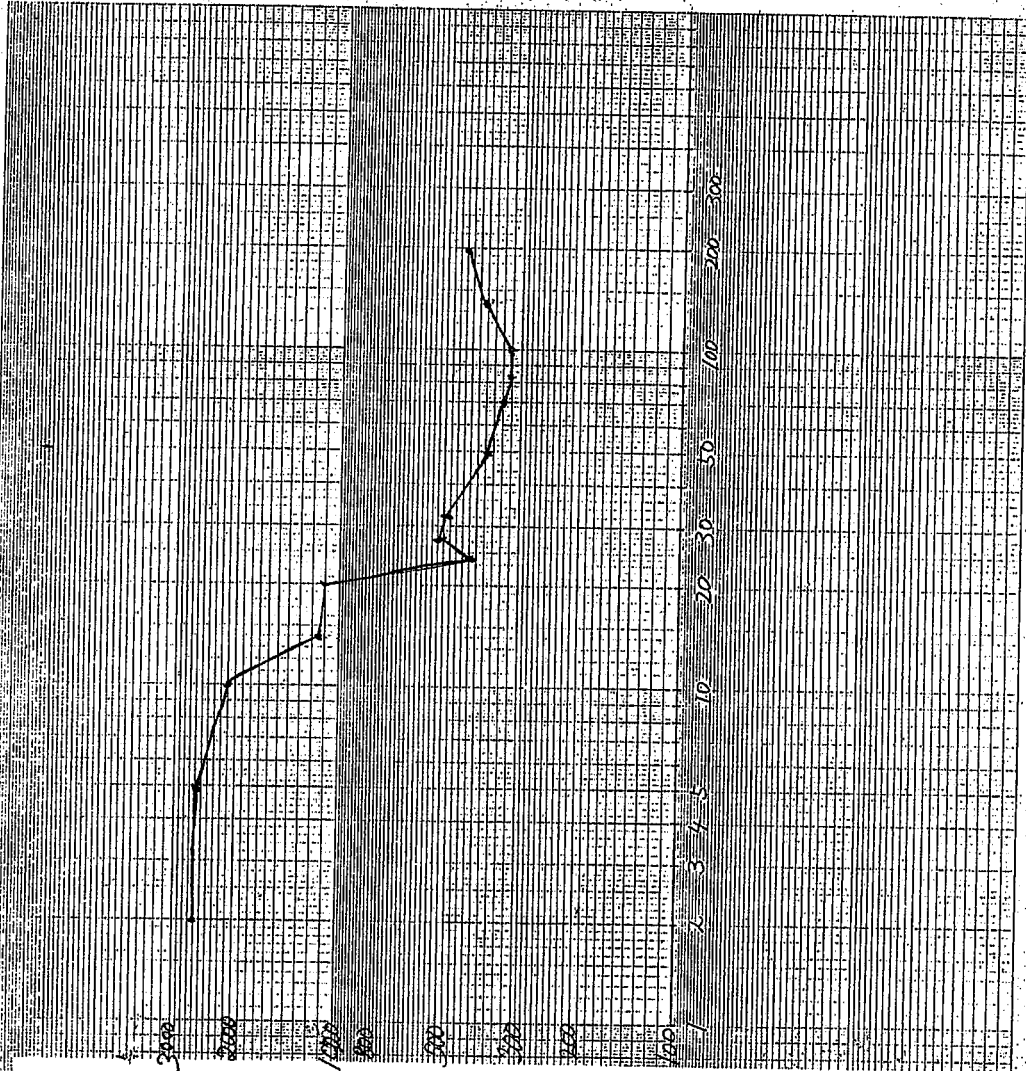
| H | 160 | 140 | 120 | 100 | 80 | 60 | 40 | 20 | 0 |
|-----|------------------|------------------|-----------------|----------------|----------------|----------------|----------------|---------------|--------------|
| (R) | 17309 | 1400 | 1140 | 800 | 500 | 200 | 100 | 50 | 0 |
| (R) | 17309 | 21.4113 | 36.906 | 44.270 | 40.938 | 30.265 | 19.446 | 30.265 | 60x |
| (R) | 967.1 | 1245 | 2305 | 2780. | 2557.9 | 1944.6 | 3733 | 3733 | |
| (R) | 61816 | 8.7145 | 12.852 | 12.855 | 14.493 | 15.073 | 1897.2 | 15.073 | |
| (R) | 77541 | 1107 | 1614 | 1564 | 1820.7 | 1897.2 | 2978.5 | 1897.2 | |
| (R) | 2925 | 4.8177 | 4.7033 | 2.7047 | 4.5025 | 6.5522 | 1794 | 6.5522 | |
| (R) | 551.4 | 908.1 | 887. | 560.4 | 959.4 | 1235.4 | 1794 | 1235.4 | 2205 |
| (R) | 11760 | 0.888 | 1.1504 | 1.1259 | 0.8741 | 1.3362 | 0.8741 | 1.3362 | |
| (R) | 353.6 | 2789 | 347.1 | 353.5 | 274.5 | 419.6 | 353 | 419.6 | 241 |

| H | 160 | 140 | 120 | 100 | 80 | 60 | 40 | 20 | 0 |
|-----|------------------|------------------|-----------------|----------------|----------------|----------------|----------------|---------------|--------------|
| (R) | 17309 | 1400 | 1140 | 800 | 500 | 200 | 100 | 50 | 0 |
| (R) | 17309 | 21.4113 | 36.906 | 44.270 | 40.938 | 30.265 | 19.446 | 30.265 | 60x |
| (R) | 967.1 | 1245 | 2305 | 2780. | 2557.9 | 1944.6 | 3733 | 3733 | |
| (R) | 61816 | 8.7145 | 12.852 | 12.855 | 14.493 | 15.073 | 1897.2 | 15.073 | |
| (R) | 77541 | 1107 | 1614 | 1564 | 1820.7 | 1897.2 | 2978.5 | 1897.2 | |
| (R) | 2925 | 4.8177 | 4.7033 | 2.7047 | 4.5025 | 6.5522 | 1794 | 6.5522 | |
| (R) | 551.4 | 908.1 | 887. | 560.4 | 959.4 | 1235.4 | 1794 | 1235.4 | 2205 |
| (R) | 11760 | 0.888 | 1.1504 | 1.1259 | 0.8741 | 1.3362 | 0.8741 | 1.3362 | |
| (R) | 353.6 | 2789 | 347.1 | 353.5 | 274.5 | 419.6 | 353 | 419.6 | 241 |

Msanga (2/4)

M4-08/11

Msanga Ves 2 (200 point)

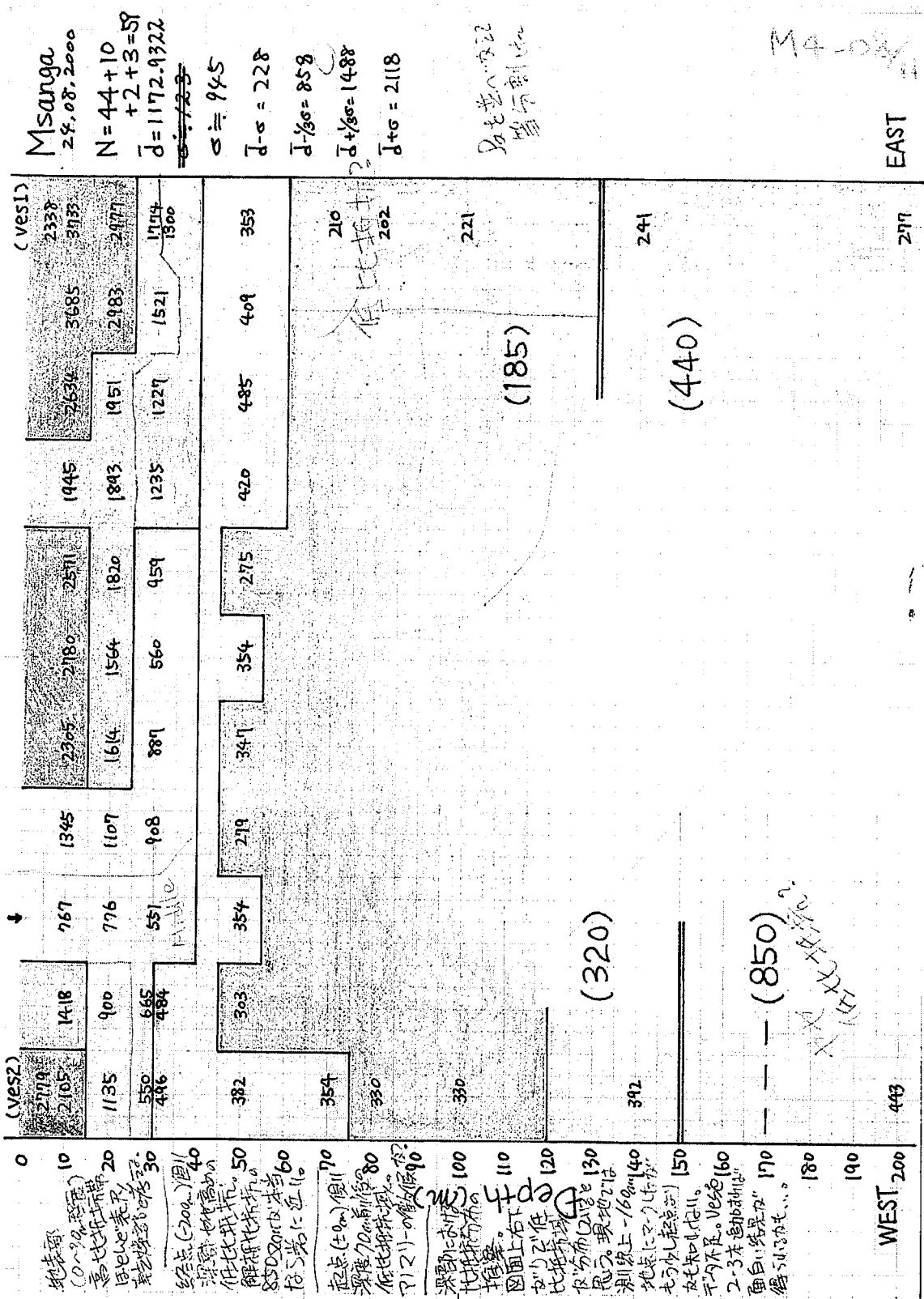


| TAG | R | Pa | Pa | Pa |
|-----|-----|--------|--------|----|
| 1 | 1 | | | |
| 2 | 2 | 212.63 | 2670.6 | |
| 3 | 3 | | | |
| 4 | 4 | | | |
| 5 | 5 | 88.486 | 2178.5 | |
| 6 | 6 | | | |
| 7 | 7 | | | |
| 8 | 10 | 33.525 | 2105.4 | |
| 9 | 12 | | | |
| 10 | 14 | 18.896 | 1186.7 | |
| 11 | 16 | | | |
| 12 | 18 | | | |
| 13 | 20 | 9.037 | 1135.3 | |
| 14 | 24 | 4.707 | 420.1 | |
| 15 | 28 | 3.126 | 547.8 | |
| 16 | 32 | 2.467 | 495.8 | |
| 17 | 36 | | | |
| 18 | 40 | | | |
| 19 | 45 | | | |
| 20 | 50 | 1.2176 | 383.3 | |
| 21 | 55 | | | |
| 22 | 60 | | | |
| 23 | 65 | | | |
| 24 | 70 | 0.8046 | 353.7 | |
| 25 | 76 | | | |
| 26 | 82 | 0.6877 | 330.4 | |
| 27 | 90 | | | |
| 28 | 100 | 0.5552 | 320.8 | |
| 29 | 110 | | | |
| 30 | 120 | | | |
| 31 | 140 | 0.4459 | 392.0 | |
| 32 | 160 | | | |
| 33 | 180 | | | |
| 34 | 200 | 0.3830 | 448.4 | |
| 35 | 220 | | | |
| 36 | 240 | | | |
| 37 | 260 | | | |
| 38 | 280 | | | |
| 39 | 300 | | | |

$$Pa = 2\pi R \cdot V / l$$

$$= 6.28 \times R \times V / l$$

Msanga (3/4)



Msanga (4/4)

M4-08/10

