



[illegible]

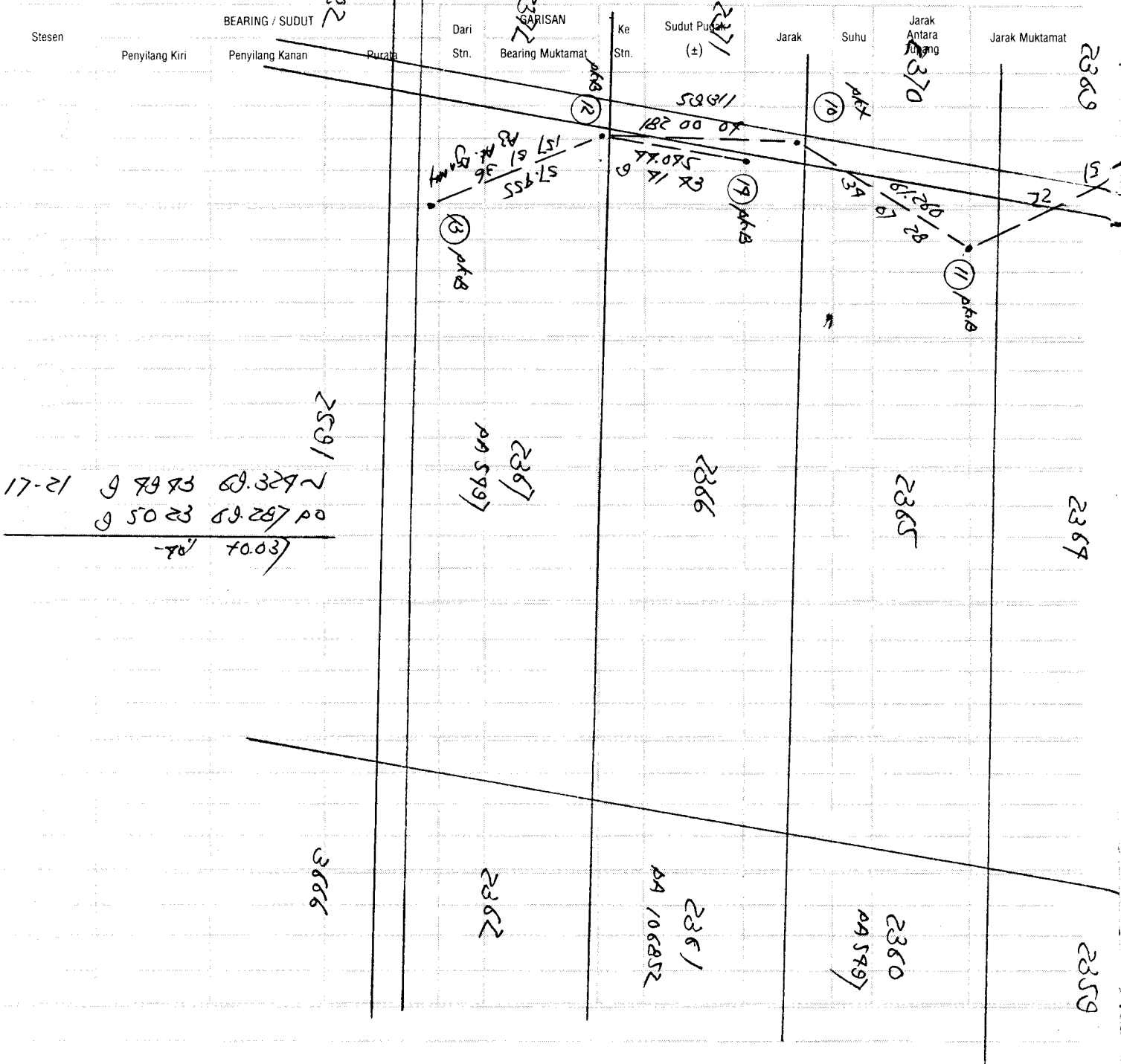
[illegible]

Rajah di muka .....

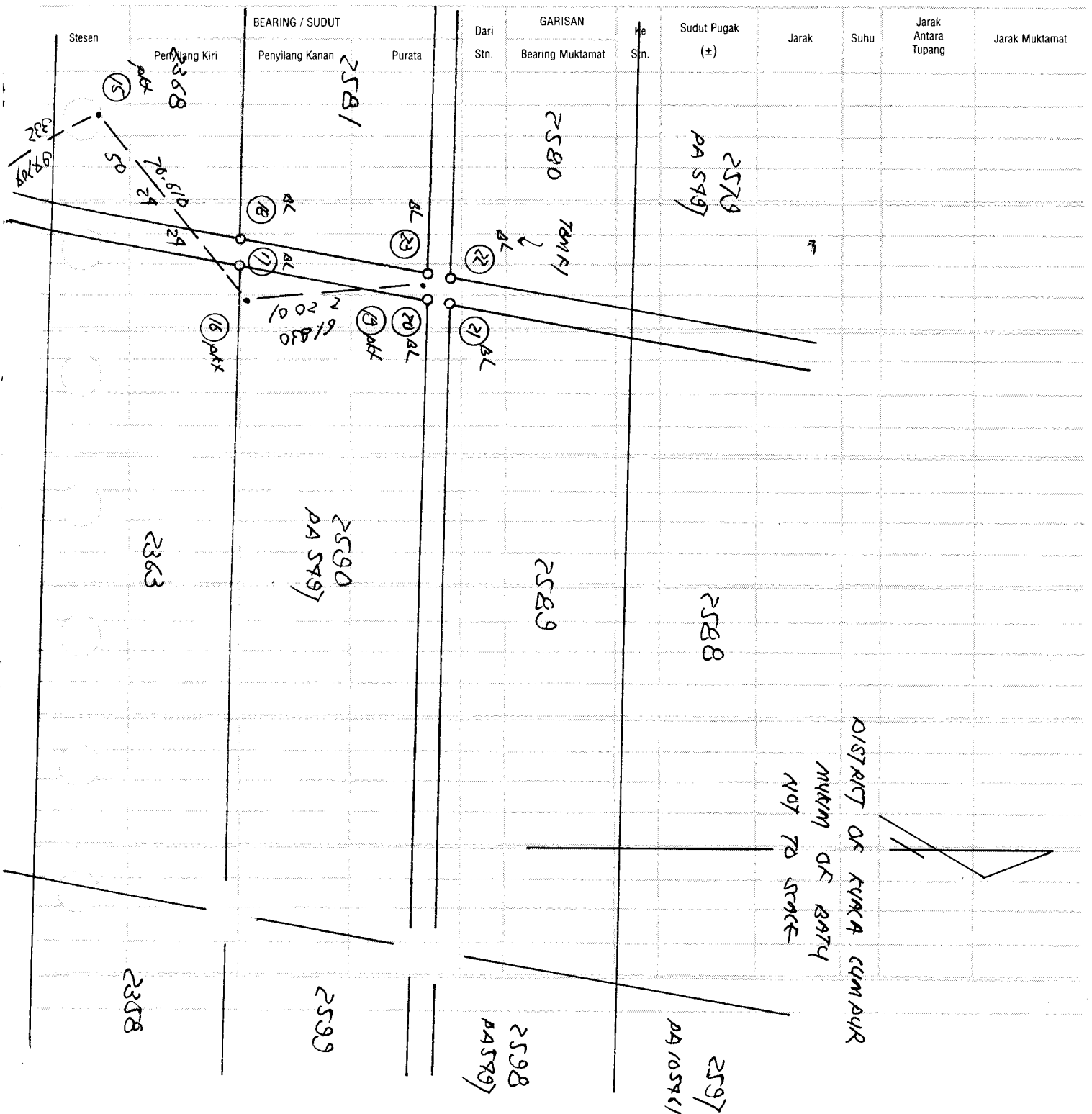
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No. Fail

Rajah di muka



Rajah di muka .....



## CERAPAN MATAHARI BAGI AZIMUT

 Penilik Foo CHEE YONG Hari KHAMIS Tarikh 8/12/05 Tahun       

 Stesen 12 T.R. 13 B.K. Ms. Tiodolait (Jenis) I Bah. Aras Ufuk - a       

Formula:

 Kosain AZIMUT =  $\frac{\text{Kos P} - \text{Sain } \phi \text{ Sain } \alpha}{\text{Kos } \phi \text{ Kos } \alpha}$ 

 Pembetulan Aras =  $\frac{2}{8} (\pm R - \pm L)$  tenjen  $\alpha$ 

| Waktu                   | Ufuk               |      |                     | Gelem-bong |    | Pugak                 |     |    | Tilikan ① | Bila waktu jam tangan tidak dalam lingkungan 3 menit daripada waktu pawai Hitung waktu umum. | W.U. - 12 <sup>J</sup> + W.T.K. - G. Bujur - E |                 |                 |
|-------------------------|--------------------|------|---------------------|------------|----|-----------------------|-----|----|-----------|----------------------------------------------------------------------------------------------|------------------------------------------------|-----------------|-----------------|
| J m                     | P.Ki               | T.R. | 158                 | 00         | 00 | Ki                    | Ka  |    |           |                                                                                              |                                                | 12 <sup>J</sup> | 00 <sup>m</sup> |
|                         |                    |      | 158                 | 00         | 00 |                       |     |    |           |                                                                                              |                                                |                 |                 |
|                         |                    | ⊕    | 117                 | 76         | 50 |                       | 63  | 30 | 31        |                                                                                              |                                                |                 |                 |
|                         |                    | ⊕    | 117                 | 12         | 76 |                       | 63  | 25 | 03        |                                                                                              |                                                |                 |                 |
|                         | P.Ka               | ⊕    | 207                 | 17         | 58 |                       | 206 | 70 | 56        |                                                                                              |                                                |                 |                 |
|                         |                    | ⊕    | 207                 | 53         | 10 |                       | 206 | 76 | 17        |                                                                                              |                                                |                 |                 |
| Purata ①                | T.R.               |      | 158                 | 00         | 10 |                       |     |    |           |                                                                                              |                                                |                 |                 |
| J m                     |                    |      |                     |            |    |                       |     |    |           |                                                                                              |                                                |                 |                 |
| 97                      |                    |      |                     |            |    |                       | 26  | 37 | 57        |                                                                                              |                                                |                 |                 |
|                         | Purata Ke matahari |      | 117                 | 31         | 56 |                       |     | 1  | 37        |                                                                                              |                                                |                 |                 |
|                         | Purata Ke TR       |      |                     |            |    |                       | 26  | 36 | 17        |                                                                                              |                                                |                 |                 |
| J m                     | P.Ki               | T.R. |                     |            |    |                       |     |    |           |                                                                                              |                                                |                 |                 |
|                         |                    | ⊕    | 117                 | 55         | 11 |                       | 63  | 05 | 27        |                                                                                              |                                                |                 |                 |
|                         |                    | ⊕    | 117                 | 20         | 08 |                       | 63  | 01 | 53        |                                                                                              |                                                |                 |                 |
|                         | P.Ka               | ⊕    | 207                 | 22         | 32 |                       | 207 | 07 | 31        |                                                                                              |                                                |                 |                 |
|                         |                    | ⊕    | 208                 | 00         | 36 |                       | 207 | 09 | 05        |                                                                                              |                                                |                 |                 |
| Purata ②                | T.R.               |      |                     |            |    |                       |     |    |           |                                                                                              |                                                |                 |                 |
| J m                     |                    |      |                     |            |    |                       |     |    |           |                                                                                              |                                                |                 |                 |
|                         |                    |      |                     |            |    |                       | 27  | 01 | 37        |                                                                                              |                                                |                 |                 |
|                         | Purata Ke matahari |      | 117                 | 39         | 37 |                       |     | 1  | 35        |                                                                                              |                                                |                 |                 |
|                         | Purata Ke TR       |      |                     |            |    |                       | 26  | 59 | 59        |                                                                                              |                                                |                 |                 |
| Kordinat Origin U/S     | 55861              | m    | Kordinat Origin T/B | 27759      | m  | Purata Bg. Gerid T.R. | 157 | 51 | 36        |                                                                                              |                                                |                 |                 |
| Stesen U/S              | 707                | m    | Stesen T/B          | 6818       | m  |                       |     |    |           |                                                                                              |                                                |                 |                 |
| Jumlah/Sel. U/S         | 58885              | m    | Jumlah/Sel. T/B     | 17971      | m  | Ditilik oleh          |     |    |           |                                                                                              |                                                |                 |                 |
| Jumlah/Sel. x 0.03256 ± | -0                 | 30   | 75                  |            |    |                       |     |    |           |                                                                                              |                                                |                 |                 |
| G. Lintang Origin U     | 3                  | 70   | 79                  |            |    |                       |     |    |           |                                                                                              |                                                |                 |                 |
| G. Lintang Stesen U     | 3                  | 10   | 07                  |            |    |                       |     |    |           |                                                                                              |                                                |                 |                 |
|                         |                    |      |                     |            |    |                       |     |    |           |                                                                                              |                                                |                 |                 |

 P.Ki. — Penyilang Kiri  
 P.Ka. — Penyilang Kanan

 T.R. — Tanda Rujuk  
 Sel. — Selisih

 W.U. — Waktu Umum  
 W.T.K. — Waktu Tempatan Ketara

Tarikh 12/06/2019 Aras

Dibuat untuk .....

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Daripada Sun Rise Hartamas

Ke .....

| Pandangan Belakang | Pandangan Antara | Pandangan Hadapan | Naik | Turun | Aras Yang Dilaras | Jarak | Catitan                     |
|--------------------|------------------|-------------------|------|-------|-------------------|-------|-----------------------------|
| 1.0922 (16.37)     |                  |                   |      |       | 78.769            |       | 78M put / (AC: 78.789)<br>q |
| 3.019 (19.89)      | 0.0893           | (12.83)           |      |       |                   |       |                             |
| 3.325 (11.67)      | 0.050            | (10.16)           |      |       |                   |       |                             |
| 3.518 (14.59)      | 0.118            | (10.39)           |      |       |                   |       |                             |
| 3.863 (17.69)      | 0.123            | (10.96)           |      |       |                   |       |                             |
| 3.892 (12.60)      | 0.066            | (10.22)           |      |       |                   |       |                             |
| 3.752 (12.9)       | 0.106            | (10.35)           |      |       |                   |       |                             |
| 3.935 (12.91)      | 0.209            | (10.67)           |      |       |                   |       |                             |
| 3.186 (10.95)      | 0.067            | (10.22)           |      |       |                   |       |                             |
| 3.787 (12.92)      | 0.240.24         | (10.98)           |      |       |                   |       |                             |
| 3.903 (12.84)      | 0.106            | (10.35)           |      |       |                   |       |                             |
| 3.971 (13.03)      | 0.231            | (10.76)           |      |       |                   |       |                             |
| 3.775 (12.36)      | 0.152            | (10.56)           |      |       |                   |       |                             |
| 3.911 (12.83)      | 0.316            | (11.09)           |      |       |                   |       |                             |
| 3.802 (12.97)      | 0.579            | (11.86)           |      |       |                   |       |                             |
| 3.893 (12.61)      | 0.223            | (10.73)           |      |       |                   |       |                             |
| 3.558 (11.67)      | 0.188            | (10.62)           |      |       |                   |       |                             |
|                    | 0.786            | (12.52)           |      |       |                   |       |                             |
|                    |                  |                   |      |       | 131.862           |       | STW 13                      |
| 61.571             |                  | 4.184             |      |       |                   |       |                             |

Tarikh ..... Aras

Dibuat untuk .....

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Daripada .....

Ke .....

| Pandangan Belakang      | Pandangan Antara | Pandangan Hadapan | Naik    | Turun | Aras Yang Dilaras | Jarak | Catitan          |
|-------------------------|------------------|-------------------|---------|-------|-------------------|-------|------------------|
| 2673 (877)              |                  |                   |         |       | 131.862           |       | STN 13           |
| 3.876 (12.22)           | 0.269            |                   | (10.86) |       | 137.266           |       | STN 12           |
| 3.769 (12.37)           | 0.500            |                   | (11.68) |       | 137.682           |       | STN 19           |
|                         | 2.985 (7.66)     |                   |         |       | 138.766           |       | STN 19           |
|                         | 0.007 (0.02)     |                   |         |       | 141.908           |       | STN Level 141.95 |
| 0.762 (1.51)            | 3.628            |                   | (11.96) |       | 137.783           |       | gp               |
| 0.080 (0.20)            | 3.857            |                   | (12.65) |       | 139.388           |       | gp X             |
| <del>0.220 (0.72)</del> | <del>3.880</del> |                   | (12.73) |       | 130.568           |       |                  |
| 16.840 '                | 12134 '          |                   |         |       |                   |       |                  |
| 0.220 (0.72)            |                  |                   |         |       |                   |       | gp               |
| 0.083 (0.31)            | 3.278            |                   | (10.65) |       | 130.568           |       |                  |
| 0.325 (1.07)            | 3.765            |                   | (12.35) |       |                   |       |                  |
| 0.235 (0.77)            | 3.595            |                   | (11.80) |       |                   |       |                  |
| 0.050 (0.16)            | 3.840            |                   | (12.59) |       |                   |       |                  |
| 0.263 (0.86)            | 3.608            |                   | (11.82) |       |                   |       |                  |
| 1.781 (7.73)            | 3.619            |                   | (11.87) |       | 110.083           |       |                  |
| 3                       | 1.853 (6.91)     |                   |         |       | 104.571           |       | STN 15           |
| 3.922 (13.03)           | 0.155 (0.57)     |                   |         |       | 113.369           |       |                  |
|                         | 0.686 (2.12)     |                   |         |       | 119.635           |       | gp               |
| 6599 '                  |                  | 22.472            |         |       |                   |       |                  |

Tarikh ..... Aras

Dibuat untuk .....

Daripada .....

Ke .....

| Pandangan Belakang | Pandangan Antara | Pandangan Hadapan | Naik    | Turun | Aras Yang Dilaras | Jarak | Catitan          |
|--------------------|------------------|-------------------|---------|-------|-------------------|-------|------------------|
| 3.319 (110.89)     |                  |                   |         |       | 118.695           |       | CPY              |
| 3.585 (111.63)     | 0.128            |                   | (10.82) |       | 117.886           |       |                  |
| 3.620 (111.87)     | 0.201            |                   | (10.66) |       | 121.230           |       |                  |
| 3.659 (112.00)     | 1.009            |                   | (13.31) |       | 123.871           |       | BL               |
| 2.385 (112.83)     |                  |                   |         |       | 125.115           | →     | STN 16           |
| 3.522 (111.55)     | 0.191            |                   | (10.63) |       | 127.309           | →     | CP               |
| 3.837 (112.59)     | 0.105            |                   | (10.38) |       | 130.726           |       |                  |
| 3.861 (112.67)     | 0.170            |                   | (10.56) |       | 137.393           |       |                  |
| 3.956 (112.97)     | 0.118            |                   | (10.39) |       | 138.136           |       |                  |
| 3.983 (113.05)     | 0.128            |                   | (10.82) |       | 141.969           |       |                  |
| 3.938 (112.92)     | 0.338            |                   | (11.11) |       | 145.609           |       |                  |
| 2.209 (112.25)     | 1.272            |                   | (17.97) |       | 148.305           |       | STN 19           |
|                    | 0.678            |                   | (12.23) |       | 149.836           |       | 78M A / 78M 0 BL |
| 39.449 /           |                  | 4.308 /           |         |       |                   |       |                  |