

GOVERNO DO ESTADO



**GOVERNO DO ESTADO DO CEARÁ**  
**SECRETARIA DOS RECURSOS HÍDRICOS - SRH**

# PROJETO EXECUTIVO DO SISTEMA ADUTOR DA SERRA DO FELIX

TOMO II RELATÓRIO DOS ESTUDOS BÁSICOS E  
COMPLEMENTARES

VOLUME 1 - LEVANTAMENTOS TOPOGRÁFICOS

ESC  
ENGENHARIA E SERVIÇOS E CONSULTORIA

FORTALEZA- CE  
OUTUBRO DE 1998



# **PROJETO EXECUTIVO DO SISTEMA ADUTOR DA SERRA DO FELIX**

**TOMO II - RELATÓRIO  
DOS ESTUDOS BÁSICOS  
COMPLEMENTARES**

**VOLUME 1 - LEVANTAMENTOS  
TOPOGRÁFICOS**

Lote: 02422 - Prep (X) Scan ( ) Index ( )  
Projeto Nº 0232/02  
Volume 1  
Qtd. A4 \_\_\_\_\_ Qtd. A3 \_\_\_\_\_  
Qtd. A2 \_\_\_\_\_ Qtd. A1 \_\_\_\_\_  
Qtd. A0 \_\_\_\_\_ Outros \_\_\_\_\_

Executado por:

**0232/02/01  
ex.1**

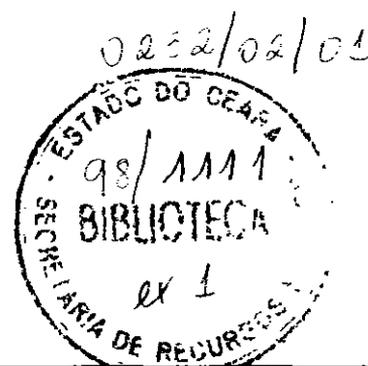
 **ESC - Engenharia  
Sênior e Consultoria**

Outubro/1998

**GOVERNO DO ESTADO DO CEARÁ**  
**SECRETARIA DOS RECURSOS HÍDRICOS**

**PROJETO EXECUTIVO DO SISTEMA ADUTOR DA**  
**SERRA DO FÉLIX**

**TOMO II – RELATÓRIO DOS ESTUDOS BÁSICOS COMPLEMENTARES**  
**VOLUME 1 – LEVANTAMENTOS TOPOGRÁFICOS**



| Nº Revisão | Data   | Discriminação     | VER | APR | AUT |
|------------|--------|-------------------|-----|-----|-----|
|            | Out/98 | Edição Preliminar |     |     |     |
|            |        |                   |     |     |     |
|            |        |                   |     |     |     |
|            |        |                   |     |     |     |

000003

A documentação aqui apresentada, consolida os serviços executados, no âmbito do Contrato Nº 25/98, firmado entre a ESC - Engenharia Serviços e Consultoria e a Secretaria dos Recursos Hídricos, para a elaboração do Projeto Executivo do Sistema Adutor da Serra do Félix

Os estudos foram elaborados de forma a atender os requisitos contidos nos Termos de Referência da Carta Convite Nº 16/SRH/98, bem como as normas pertinentes para sistemas de abastecimento de água

Em síntese, o projeto objeto do supra citado contrato está composto dos seguintes documentos

**TOMO I – Relatório dos Estudos Básicos**

**TOMO II – Relatório dos Estudos Básicos Complementares**

**Volume 1 – Levantamentos Topográficos**

**Volume 2 – Investigações Geotécnicas**

**TOMO III - Relatório dos Estudos de Concepção**

**TOMO IV – Relatório Geral**

**Volume 1 – Textos**

**Volume 2 – Plantas**

**Volume 3 – Quantitativos e Orçamentos**

**Volume 4 – Especificações Técnicas e Normas de Medição e Pagamentos**

**TOMO V – Relatório Síntese**

O presente documento se constitui no TOMO II – Volume 1 – Levantamentos Topográficos

100004

**ÍNDICE**

|  |          |
|--|----------|
| <b>1 - DESCRIÇÃO DE SERVIÇOS .....</b>                 | <b>4</b> |
| 1 1 - CONSIDERAÇÕES GERAIS                             | 4        |
| 1 2 - SERVIÇOS EXECUTADOS                              | 4        |
| 1.2.1 - Locação e Estaqueamento.....                   | 4        |
| 1.2.2 - Nivelamento do Eixo .....                      | 4        |
| 1.2.3 - Levantamento de Área .....                     | 5        |
| 1.2.4 - Desenhos .....                                 | 5        |
| <b>2 - APRESENTAÇÃO DOS TRABALHOS .....</b>            | <b>6</b> |
| 2 1 - ARQUIVO GERAL DE PONTOS                          | 7        |
| 2 2 - CADERNETA DE CAMPO (LOCAÇÃO E CADASTRO)          | 59       |
| 2 3 - NIVELAMENTO GEOMETRICO (CADERNETA DE CAMPO)      | 119      |
| 2 4 - NIVELAMENTO GEOMETRICO (CÁLCULO COTA ARBITRÁRIA) | 160      |
| 2 5 - DESENHOS   | 183      |

000005

## **1 - DESCRIÇÃO DE SERVIÇOS**

### **1.1 - CONSIDERAÇÕES GERAIS**

Foram executados os serviços de locação de eixo, estaqueamento e nivelamento do eixo do Sistema Adutora Serra do Félix, partindo do Canal do Trabalhador, passando por Vila do Félix e seguindo para Boqueirão de Cesário

Foi também locado, estaqueado e nivelamento um eixo para a Serra do Félix, a partir da Adutora Principal

### **1.2 - SERVIÇOS EXECUTADOS**

#### **1.2.1 - Locação e Estaqueamento**

Segundo as cercas e o bordo de estrada existente, foi locado e estaqueado o eixo da adutora (a cada 20 m) com Estação Total "Leica TC600" e Estaca Total "Nikon TM 410" Concomitantemente foi sendo executado o cadastro dos bordos da entrada, casas, bueiros, etc, situados na área de interesse

As coordenadas de partida ( Canal do Trabalhador) foram situadas e toda a locação seguiu este sistema arbitrário

Foram feitas duas igualdades em campos, devido ao fato de se ter mais de uma equipe trabalhando ao longo da linha (estacas PI-27= 178+14,97=EO e E348+1,612=PI-0)

A extensão total da locação principal e da secundária foi de 20,75 km

As planilhas com coordenadas e cotas arbitrárias são apresentadas no capítulo 2 do presente relatório

Também apresenta-se uma planilha geral (arquivo geral de pontos) com cotas verdadeiras de todos os pontos levantados e coordenadas planimétricas arbitrárias

#### **1.2.2 - Nivelamento do Eixo**

Foi feito nivelamento e contra - nivelamento geométrico do eixo principal, a partir de cota arbitrária 100,00

Posteriormente, foi feito o transporte de cotas para o marco de TELEBRÁS (08/01/317), com cota igual a 108,05 m obtendo-se então as cotas verdadeiras que orientaram a elaboração do Perfil

O trecho da adutora secundária (eixo alternativo da ETA) por ser muito íngreme, foi nivelado trigonometricamente

As cadernetas e cálculos do nivelamento são apresentados no capítulo 2

### **1.2.3 - Levantamento da Área**

Na captação, junto ao Canal do Trabalhador foi levantada uma área de 30 m x 30 m para localização de Estação de Bombeamento. A planialtimetria foi feita com Estação Total "Nikon"

### **1.2.4 - Desenhos**

São apresentadas 18 pranchas (planta e perfil) representando o desenvolvimento do eixo do sistema adutor (principal e alternativo) e 01 prancha com o levantamento planialtimétrico da área da captação

## 2 - APRESENTAÇÃO DOS TRABALHOS

Os serviços executados tem a sua apresentação nas seguintes sequência

- Arquivo Geral de Pontos
- Caderneta de Campo (Locação e Cadastro)
- Nivelamento Geométrico (Caderneta de Campo)
- Nivelamento Geométrico (Cálculo cota arbitrária)
- Desenhos

000008

**2.1- ARQUIVO GERAL DE PONTOS**

100009

BE|38927.451|55649.033|72.012  
BE|38928.674|55645.974|71.782  
BE|38933.18|55646.572|71.781  
BE|38933.499|55649.729|71.925  
BE|38936.635|55645.314|71.651  
BE|38940.653|55647.535|71.769  
BE|38941.022|55642.663|71.568  
BE|38941.072|55657.746|72.13  
BE|38945.247|55646.822|71.511  
BE|38945.629|55666.494|72.241  
BE|38946.177|55658.012|71.739  
BE|38949.253|55662.048|71.831  
BE|38955.439|55669.639|71.9  
BE|38956.234|55676.906|72.13  
BE|38965.263|55167.004|66.006  
BE|38965.562|55335.984|64.256  
BE|38968.205|55169.159|65.805  
BE|38969.844|55142.385|66.413  
BE|38970.931|55338.441|64.341  
BE|38973.599|55138.923|66.432  
BE|38974.279|55479.78|68.239  
BE|38974.317|55693.867|72.336  
BE|38976.778|55690.901|72.399  
BE|38986.87|55709.129|72.647  
BE|38989.88|55706.628|72.756  
BE|38998.187|55782.86|74.018  
BE|39000.754|55785.615|74.103  
BE|39002.178|55733.674|73.019  
BE|39004.327|55761.863|73.677  
BE|39006.025|55732.411|73.225  
BE|39008.224|55760.728|73.67  
BE|39008.891|55751.69|73.482  
BE|39009.215|54982.924|70.026  
BE|39011.821|55754.588|73.431  
BE|39012.144|54983.411|70.09  
BE|39017.758|55758.731|73.542  
BE|39018.282|54930.84|72.077  
BE|39024.162|54932.403|71.6  
BE|39062.071|55865.648|74.905  
BE|39064.644|55863.07|74.854  
BE|39077.729|54773.481|76.862  
BE|39078.273|55896.638|75.277  
BE|39079.358|55891.014|75.189  
BE|39080.964|54773.491|76.657  
BE|39095.098|55925.848|75.586  
BE|39097.909|55924.197|75.623  
BE|39100.837|55938.672|75.745  
BE|39104.461|55957.843|76.159  
BE|39104.863|55940.268|75.925  
BE|39105.879|55978.742|76.436  
BE|39107.701|55953.989|76.063  
BE|39108.812|56001.113|76.714  
BE|39108.828|55973.157|76.288  
BE|39111.954|55998.883|76.657  
BE|39112.1|56012.329|76.711  
BE|39115.665|56039.093|76.505  
BE|39116.249|56013.763|76.626  
BE|39117.099|56026.118|76.553  
BE|39118.342|56039.124|76.58  
BE|39120.749|56022.976|76.557  
BE|39125.733|56035.316|76.48  
BE|39125.916|56029.32|76.47  
BE|39136.363|56041.331|76.098  
BE|39137.965|56037.648|76.075

BE|39142.954|54622.933|79.878  
 BE|39146.202|54623.805|81.019  
 BE|39153.362|54588.408|82.068  
 BE|39157.329|54563.541|82.522  
 BE|39157.463|54584.438|82.188  
 BE|39157.509|54113.508|75.637  
 BE|39157.816|54113.797|75.599  
 BE|39158.257|54587.311|82.139  
 BE|39158.786|54348.544|78.894  
 BE|39159.204|54150.015|75.068  
 BE|39160.26|54565.135|82.548  
 BE|39161.367|54116.273|75.641  
 BE|39161.775|54111.513|75.609  
 BE|39161.907|54348.108|79.024  
 BE|39161.92|54486.234|81.731  
 BE|39162.152|54149.86|75.047  
 BE|39164.849|54490.209|81.849  
 BE|39166.126|54041.288|75.224  
 BE|39166.837|54487.051|81.846  
 BE|39168.832|54042.068|75.218  
 BE|39177.892|53936.874|76.074  
 BE|39181.232|53937.115|76.145  
 BE|39184.442|54561.476|82.437  
 BE|39184.588|54566.762|82.39  
 BE|39192.401|54558.034|82.486  
 BE|39192.403|53888.034|76.885  
 BE|39198.908|53885.347|76.908  
 BE|39204.998|56094.658|75.102  
 BE|39205.535|56091.14|75.097  
 BE|39211.401|53859.593|77.565  
 BE|39214.276|53861.038|77.748  
 BE|39219.915|56105.095|75.001  
 BE|39223.16|56103.135|74.908  
 BE|39234.085|53831.4|78.333  
 BE|39236.284|53833.224|78.298  
 BE|39246.135|56117.123|74.779  
 BE|39247.552|56114.038|74.796  
 BE|39301.944|53773.546|78.078  
 BE|39304.16|53776.194|78.088  
 BE|39367.726|56159.1|76.456  
 BE|39369.148|56156.478|76.484  
 BE|39385.604|56171.776|76.428  
 BE|39389.006|56171.914|76.543  
 BE|39396.785|53690.273|78.62  
 BE|39398.788|53692.671|78.644  
 BE|39415.31|56210.174|76.367  
 BE|39419.191|56209.967|76.198  
 BE|39471.859|56262.4|77.66  
 BE|39471.901|56258.083|77.71  
 BE|39479.76|53615.502|80.722  
 BE|39482.631|53617.407|80.894  
 BE|39499.104|56277.615|77.65  
 BE|39500.888|56282.415|77.737  
 BE|39520.35|56286.324|78.2  
 BE|39520.911|56289.888|78.307  
 BE|39522.772|53575.887|82.557  
 BE|39525.284|53577.992|82.719  
 BE|39558.066|58547.517|40.86  
 BE|39559.949|58542.726|40.804  
 BE|39569.059|56297.921|78.504  
 BE|39570.308|56301.551|78.502  
 BE|39577.446|53531.873|84.204  
 BE|39580.009|53534.8|84.362  
 BE|39587.077|56306.94|78.604

BE|39590.985|56304.828|78.531  
 BE|39609.469|58565.483|40.884  
 BE|39610.53|58504.335|37.274  
 BE|39612.263|58509.889|37.748  
 BE|39621.578|56310.783|77.712  
 BE|39622.392|56314.313|77.648  
 BE|39633.219|58441.524|34.177  
 BE|39635.831|56319.812|77.353  
 BE|39636.743|58442.837|34.307  
 BE|39639.251|56317.896|77.321  
 BE|39640.977|58432.31|34.093  
 BE|39655.719|58450.418|33.905  
 BE|39657.081|58446.774|33.909  
 BE|39665.014|56335.116|76.628  
 BE|39667.767|56332.432|76.672  
 BE|39671.904|53439.427|86.585  
 BE|39674.512|53441.32|86.907  
 BE|39689.799|56342.343|76.004  
 BE|39689.903|56338.848|76.147  
 BE|39741.964|53373.506|88.634  
 BE|39743.294|58065.095|48.6  
 BE|39744.465|53374.893|88.717  
 BE|39746.563|58066.641|48.593  
 BE|39750.523|56350.814|74.02  
 BE|39751.527|56354.52|73.977  
 BE|39760.285|53353.316|89.226  
 BE|39763.037|53355.273|89.356  
 BE|39775.483|56363.662|73.054  
 BE|39778.12|56360.813|73.119  
 BE|39781.322|53327.149|89.825  
 BE|39782.904|56362.562|72.817  
 BE|39782.998|56365.797|72.753  
 BE|39783.843|53328.339|89.9  
 BE|39794.232|56367.422|72.381  
 BE|39794.564|56364.198|72.413  
 BE|39797.855|57896.018|51.193  
 BE|39801.422|57897.135|51.183  
 BE|39835.125|56367.798|71.133  
 BE|39835.178|56371.462|70.935  
 BE|39851.408|57703.448|50.57  
 BE|39852.573|53256.761|91.374  
 BE|39854.438|56370.319|70.241  
 BE|39854.441|56373.553|70.152  
 BE|39854.84|53258.207|91.462  
 BE|39855.517|57704.189|50.603  
 BE|39877.268|53225.619|91.813  
 BE|39879.815|53226.871|91.87  
 BE|39889.988|56366.172|68.998  
 BE|39890.11|56369.727|69.145  
 BE|39956.505|53075.614|92.403  
 BE|39958.134|56369.155|67.483  
 BE|39958.582|56366.264|67.428  
 BE|39960.662|53078.015|92.612  
 BE|39968.923|52995.48|91.238  
 BE|39971.552|52989.488|90.927  
 BE|39974.644|56372.046|67.182  
 BE|39975.445|56369.477|67.153  
 BE|39980.124|53000.266|91.62  
 BE|39983.595|52993.655|91.32  
 BE|39985.179|53004.11|91.738  
 BE|39987.569|52996.741|91.524  
 BE|39994.145|53006.61|91.961  
 BE|39994.843|53003.613|91.836  
 BE|40002.195|56388.765|66.571

BE|40004.188|56386.23|66.538  
BE|40011.851|52916.021|89.693  
BE|40015.385|52916.186|89.874  
BE|40025.499|56403.765|66.195  
BE|40031.205|52875.061|89.018  
BE|40032.742|56410.452|66.153  
BE|40033.085|56406.589|65.846  
BE|40034.395|52875.313|89.013  
BE|40038.648|56411.419|65.771  
BE|40068.497|52763.151|85.949  
BE|40071.634|52763.164|86.011  
BE|40083.319|52731.479|86.126  
BE|40085.188|52733.677|86.098  
BE|40090.229|52720.604|86.514  
BE|40093.191|52721.624|86.504  
BE|40103.988|56681.897|68.911  
BE|40107.759|56678.763|68.99  
BE|40126.473|56493.11|65.228  
BE|40128.466|56578.607|67.234  
BE|40133.71|56578.32|67.224  
BE|40138.165|52660.003|89.17  
BE|40139.84|56506.912|65.107  
BE|40141.114|56530.337|65.79  
BE|40141.291|52661.875|89.133  
BE|40143.031|56518.742|65.473  
BE|40145.612|56530.951|65.666  
BE|40147.097|56508.167|65.054  
BE|40149.696|56514.219|65.187  
BE|40149.9|56493.549|64.379  
BE|40150.719|56508.841|64.934  
BE|40153.612|56494.738|64.386  
BE|40159.966|52636.439|89.171  
BE|40160.563|56519.735|64.766  
BE|40162.385|56516.616|64.572  
BE|40163.003|52638.27|89.164  
BE|40244.728|52549.543|91.224  
BE|40246.17|52552.097|91.262  
BE|40439.867|52344.029|99.243  
BE|40443.258|52344.835|99.284  
BE|40497.368|52273.723|102.587  
BE|40500.544|52275.55|102.834  
BE|40595.728|52001.263|102.801  
BE|40602.405|52002.478|102.874  
BE|40610.325|51750.848|99.877  
BE|40613.828|51751.444|99.903  
BE|40617.449|51721.708|99.877  
BE|40620.952|51722.304|99.903  
BE|40654.139|50355.53|95.38  
BE|40656.348|50236.579|93.525  
BE|40657.915|50130.704|92.61  
BE|40659.438|50303.307|94.518  
BE|40659.761|50355.082|95.552  
BE|40659.978|50235.246|93.498  
BE|40662.016|50325.384|94.933  
BE|40662.873|50300.438|94.543  
BE|40663.699|50129.49|92.553  
BE|40663.955|51592.46|102.495  
BE|40664.425|50309.8|94.844  
BE|40666.061|50302.652|94.822  
BE|40666.44|50289.226|94.137  
BE|40669.663|50069.409|92.226  
BE|40670.774|51591.839|102.553  
BE|40677.284|50068.508|92.304  
BE|40687.519|50011.706|92.378

BE|40694.105|50016.991|92.409  
BE|40696.662|51503.011|104.725  
BE|40702.038|51504.524|104.701  
BE|40711.087|49942.235|91.894  
BE|40714.316|49936.923|92.06  
BE|40717.001|49949.511|91.909  
BE|40720.234|49939.973|92.024  
BE|40727.394|49919.043|92.325  
BE|40727.909|50863.304|108.56  
BE|40730.943|49921.786|92.286  
BE|40732.743|51427.938|106.724  
BE|40734.439|50862.201|108.585  
BE|40734.931|51431.794|106.664  
BE|40740.275|49903.022|92.455  
BE|40742.665|49906.151|92.356  
BE|40744.246|50936.796|109.552  
BE|40749.3|50935.016|109.51  
BE|40758.679|51031.032|110.634  
BE|40761.231|51351.546|109.461  
BE|40765.12|51353.632|109.67  
BE|40766.492|51031.805|110.652  
BE|40769.101|51053.96|110.898  
BE|40770.334|51093.75|111.284  
BE|40771.381|51044.694|110.837  
BE|40775.616|51091.928|111.35  
BE|40776.713|51054.006|111.011  
BE|40779.736|51111.912|111.63  
BE|40780.988|51100.281|111.658  
BE|40783.374|51282.428|111.368  
BE|40785.77|51086.933|111.627  
BE|40786.34|51283.367|111.451  
BE|40788.552|51075.606|111.619  
BE|40792.34|51187.778|112.631  
BE|40792.428|51061.845|111.199  
BE|40792.894|51078.054|111.632  
BE|40793.905|51242.598|112.366  
BE|40794.676|51215.892|112.635  
BE|40796.032|51187.412|112.718  
BE|40796.956|51244.096|112.544  
BE|40798.453|51215.918|112.829  
BE|40971.795|49698.781|101.199  
BE|40974.608|49703.777|101.308  
BE|41012.188|49659.228|101.705  
BE|41013.446|48796.848|94.827  
BE|41018.133|49664.527|101.552  
BE|41018.394|48905.234|96.309  
BE|41020.394|48754.536|94.699  
BE|41020.95|48974.769|96.746  
BE|41024.313|48908.403|96.37  
BE|41028.57|48985.328|96.944  
BE|41030.723|48369.292|89.633  
BE|41034.696|48389.203|89.604  
BE|41041.184|48358.91|89.363  
BE|41049.799|49097.358|96.686  
BE|41050.715|49629.632|101.664  
BE|41056.277|49091.332|97.004  
BE|41056.407|49634.377|101.74  
BE|41071.064|49144.789|97.197  
BE|41074.512|49140.891|97.118  
BE|41097.178|49596.465|96.38  
BE|41102.356|49602.088|96.459  
BE|41111.873|49596.605|96.897  
BE|41112.833|49577.131|96.843  
BE|41114.075|49576.645|96.845

BE|41114.791|49583.686|96.846  
BE|41115.803|49591.542|96.968  
BE|41119.577|49578.14|97.046  
BE|41123.039|49260.688|101.556  
BE|41123.818|49559.065|97.427  
BE|41126.267|49255.217|101.624  
BE|41130.24|49557.173|97.657  
BE|41138.198|49516.222|100.849  
BE|41143.964|49513.961|100.749  
BE|41153.03|49319.268|101.609  
BE|41154.855|49308.76|101.634  
BE|41155.32|49452.3|101.058  
BE|41160.287|49453.047|101.063  
BE|41169.384|49368.197|101.453  
BE|41172.392|49358.577|101.944  
BE|41173.04|49389.199|101.169  
BE|41174.508|49383.376|101.385  
BE|41174.983|49377.549|101.425  
BE|41175.271|49368.899|101.584  
BE|41178.344|49355.213|102.489  
BE|41292.2|47893.509|90.338  
BE|41299.477|47892.985|90.666  
BE|41347.296|47795.455|91.95  
BE|41350.722|47802.577|92.015  
BE|41431.7|47665.127|91.44  
BE|41433.964|47672.901|91.79  
BE|41457.17|47620.942|89.976  
BE|41462.005|47623.301|90.215  
BE|41470.732|47588.704|88.794  
BE|41475.691|47590.112|88.892  
BE|41488.341|47522.693|89.222  
BE|41493.351|47522.882|89.3  
BE|41510.377|47306.671|88.821  
BE|41516.569|47306.573|88.93  
BE|41526.307|47186.572|86.977  
BE|41534.238|47189.33|87.196  
BE|41549.409|47113.515|87.18  
BE|41554.593|47118.868|87.215  
BE|41602.693|46987.998|89.518  
BE|41605.08|46994.323|89.203  
BE|41623.847|46952.321|89.791  
BE|41625.103|46959.975|89.721  
BE|41644.27|46907.645|90.548  
BE|41650.648|46907.247|90.743  
BE|41657.788|46839.728|92.081  
BE|41662.705|46840.734|92.155  
BE|41665.144|46607.881|92.963  
BE|41669.002|46649.483|93.305  
BE|41670.648|46606.409|92.788  
BE|41675.236|46711.092|93.214  
BE|41675.323|46646.528|93.246  
BE|41678.134|45946.64|84.591  
BE|41679.51|45897.233|83.914  
BE|41681.472|46711.589|93.444  
BE|41683.312|46047.856|86.808  
BE|41683.418|46200.013|88.419  
BE|41683.43|46075.618|87.212  
BE|41683.826|45853.135|83.668  
BE|41684.165|46107.768|87.718  
BE|41684.291|45946.653|84.75  
BE|41684.625|45897.273|83.755  
BE|41686.729|46395.289|90.787  
BE|41689.403|45852.946|83.628  
BE|41689.55|46046.959|86.781

BE|41690.043|46070.13|87.078  
BE|41690.4|46194.745|88.274  
BE|41690.506|45819.193|83.673  
BE|41691.107|46099.099|87.568  
BE|41692.82|46397.091|90.645  
BE|41697.124|45813.364|83.605  
BE|41709.805|45759.721|83.934  
BE|41714.907|45763.351|83.825  
BE|41723.659|45736.775|83.934  
BE|41728.76|45740.404|83.825  
BE|41982.724|45360.188|85.565  
BE|41988.056|45363.11|85.551  
BE|42014.189|45321.837|86.038  
BE|42017.967|45325.031|85.9  
BE|42024.453|45316.86|86.194  
BE|42067.934|45237.668|87.241  
BE|42073.176|45238.542|87.411  
BE|42098.247|45182.641|88.135  
BE|42102.634|45184.974|88.203  
BE|42123.17|45120.613|88.963  
BE|42128.114|45122.649|89.041  
BE|42130.696|45097.685|89.343  
BE|42136.73|45098.681|89.328  
BE|42213.697|44948.733|92.212  
BE|42216.482|44952.109|92.359  
BE|42231.139|44904.213|92.493  
BE|42237.127|44905.932|92.537  
BE|42264.49|44832.636|93.533  
BE|42269.173|44834.206|93.764  
BE|42301.46|44747.426|95.243  
BE|42305.482|44749.951|95.162  
BE|42326.086|44429.228|108.594  
BE|42326.428|44463.099|108.367  
BE|42331.243|44429.566|108.097  
BE|42335.968|44531.556|107.283  
BE|42336.223|44510.06|108.26  
BE|42339.081|44517.823|107.929  
BE|42341.09|44525.814|107.293  
BE|42342.58|44591.934|100.99  
BE|42344.3|44650.583|97.875  
BE|42346.057|44629.476|98.643  
BE|42347.845|44336.074|107.49  
BE|42348.972|44598.048|100.428  
BE|42350.189|44650.897|97.969  
BE|42351.25|44627.242|98.95  
BE|42355.391|44332.852|107.529  
BE|42361.114|44286.486|110.163  
BE|42361.121|44524.538|105.651  
BE|42362.044|44518.292|105.873  
BE|42366.304|44285.931|110.022  
BE|42367.15|44263.902|109.413  
BE|42371.051|44267.32|109.353  
BE|42399.723|44166.586|106.91  
BE|42406.038|44167.435|106.779  
BE|42412.812|44151.924|106.213  
BE|42415.116|44146.557|105.952  
BE|42422.991|44152.541|106.71  
BE|42425.535|44155.657|106.836  
BE|42432.615|44155.347|107.108  
BE|42432.994|44153.013|107.007  
BE|42494.069|43970.504|102.111  
BE|42501.116|43969.877|102.52  
BE|42560.03|43836.433|101.785  
BE|42566.13|43838.899|102.026

**PTS-TOTAL**

BE|42605.23|43749.067|97.351  
BE|42607.089|43745.331|97.222  
BE|42609.179|43755.06|97.504  
BE|42611.043|43751.36|97.377  
BE|42726.903|43513.451|102.18  
BE|42730.602|43521.801|102.272  
BE|42823.036|43319.89|99.404  
BE|42829.656|43321.374|99.635  
BE|42840.985|43283.305|98.094  
BE|42846.726|43286.572|98.322  
BE|42911.438|43131.237|88.349  
BE|42917.506|43132.868|88.356  
BE|42978.081|42969.605|91.455  
BE|42987.301|42971.565|91.554  
BE|43310.333|43022.847|94.248  
BE|43314.893|43022.58|94.208  
BE|43320.157|43008.613|95.657  
BP|42982.341|42945.546|93.779  
BP|43002.016|42935.386|94.046  
BP|43011.843|42950.539|93.931  
BP|43019.376|42949.859|94.29  
BP|43030.492|42939.182|94.431  
BP|43316.614|43001.858|96.388  
BP|43317.22|42989.803|96.382  
BP|43337.589|43006.142|96.456  
BP|43340.549|42994.46|96.506  
BP|43621.944|43064.297|102.972  
BP|43627.322|43050.511|103.076  
BU|41037.851|48353.998|103.87  
BU|41038.033|48354.062|104.535  
BU|41042.315|48355.102|104.485  
BU|41042.515|48355.112|103.858  
BU|41478.961|47560.997|102.66  
BU|41479.456|47560.988|102.989  
BU|41483.529|47561.704|103.379  
BU|41483.814|47561.705|102.621  
BU|41491.905|47481.912|101.727  
BU|41492.701|47482.15|102.247  
BU|41496.758|47482.271|102.461  
BU|41497.396|47482.303|102.043  
BU|41531.792|47166.287|101.497  
BU|41532.034|47166.213|102.188  
BU|41536.354|47167.184|102.234  
BU|41536.556|47167.176|101.571  
BU|41539.039|47143.524|101.828  
BU|41539.183|47143.534|101.909  
BU|41543.71|47145.007|102.281  
BU|41543.898|47144.956|101.856  
BU|41680.322|45882.196|98.513  
BU|41680.594|45882.145|98.95  
BU|41684.719|45882.69|99.029  
BU|41684.899|45882.658|98.33  
BU|41685.382|46130.61|11.49  
BU|41685.525|46130.62|11.571  
BU|41686.946|46131.471|102.28  
BU|41687.127|46131.468|103.09  
BU|41691.069|46131.966|102.827  
BU|41691.216|46131.873|102.43  
BU|41747.374|45707.986|98.385  
BU|41747.594|45708.023|99.023  
BU|41751.139|45710.567|99.075  
BU|41751.238|45710.689|98.32  
BU|42938.414|43072.04|102.174  
BU|42938.769|43072.23|102.788

BU|42942.809|43073.605|103.041  
BU|42942.869|43073.831|102.261  
CA|38961.768|55642.41|71.571  
CA|38963.722|55632.166|71.492  
CA|38968.746|55643.441|71.742  
CA|39102.068|54649.822|81.599  
CA|39149.708|53927.775|75.783  
CA|39157.273|53930.817|75.809  
CA|39199.129|53851.996|77.974  
CA|39543.28|53497.662|83.647  
CA|39565.23|53477.634|84.221  
CA|39577.788|53488.571|84.61  
CA|39588.351|53476.71|85.086  
CA|39597.427|53484.944|85.222  
CA|39758.63|53322.241|89.573  
CA|39765.89|53319.084|89.61  
CA|39773.04|53309.164|89.921  
CA|39788.83|53295.584|90.513  
CA|39792.769|53291.078|90.51  
CA|39808.728|53282.634|90.571  
CA|39817.769|53272.974|90.842  
CA|39821.251|53266.314|91.215  
CA|39824.758|53262.532|91.203  
CA|39835.771|53254.997|91.531  
CA|39839.472|53250.875|91.561  
CA|39849.934|53242.082|91.697  
CA|39852.07|53279.509|91.856  
CA|39856.154|53245.722|91.453  
CA|39862.611|53235.265|92.046  
CA|39864.27|53236.051|92.021  
CA|39866.774|53231.371|92.132  
CA|39874.781|53215.869|92.168  
CA|39879.706|53235.278|92.059  
CA|39889.145|53240.094|92.163  
CA|39908.545|53155.838|92.602  
CA|39910.986|53150.035|92.564  
CA|39916.387|53135.849|92.393  
CA|39924.999|53114.885|92.303  
CA|39947.251|53131.857|93.436  
CA|39949.43|53127.347|93.476  
CA|39949.964|53050.764|92.423  
CA|39957.89|53031.015|92.067  
CA|40001.897|52988.838|92.11  
CA|40002.229|52896.732|89.582  
CA|40004.18|52982.952|92.011  
CA|40241.298|52574.165|92.301  
CA|40245.74|52568.954|92.307  
CA|40387.481|52375.31|98.968  
CA|40395.209|52359.659|99.287  
CA|40398.642|52347.221|99.685  
CA|40418.329|52345.908|100.144  
CA|40426.206|52348.637|100.266  
CA|40427.463|52345.36|100.307  
CA|40431.441|52374.968|99.959  
CA|40434.374|52371.674|100.024  
CA|40439.936|52366.225|100.239  
CA|40519.254|52225.139|103.882  
CA|40535.261|52188.091|103.907  
CA|40536.866|52229.532|104.551  
CA|40537.872|52226.59|104.559  
CA|40538.147|52230.047|104.56  
CA|40566.849|52238.916|105.212  
CA|40578.317|52238.632|104.993  
CA|40579.941|52000.196|102.756

CA|40581.247|52010.007|103.338  
 CA|40583.789|52000.249|102.822  
 CA|40585.647|52086.162|104.076  
 CA|40586.932|52082.454|104.142  
 CA|40587.899|51740.009|99.351  
 CA|40590.063|52013.022|103.368  
 CA|40590.394|52013.667|103.37  
 CA|40590.757|52083.715|104.171  
 CA|40596.037|51743.154|99.627  
 CA|40596.927|51740.901|99.648  
 CA|40601.494|52039.244|104.37  
 CA|40602.347|52035.027|104.278  
 CA|40606.475|52040.407|104.462  
 CA|40613.992|51977.919|102.99  
 CA|40634.831|51631.794|101.742  
 CA|40634.999|51635.978|101.614  
 CA|40636.371|51632.33|101.634  
 CA|40638.779|50493.284|99.018  
 CA|40640.269|50472.166|98.612  
 CA|40737.033|52303.289|107.916  
 CA|40743.9|52298.797|108.258  
 CA|40787.184|51225.344|112.615  
 CA|40804.634|51267.931|112.588  
 CA|41070.629|48331.898|90.446  
 CA|41559.913|47134.338|87.935  
 CA|41562.623|47123.843|87.895  
 CA|41568.99|47136.746|88.009  
 CA|42351.361|44274.677|110.269  
 CA|42353.537|44281.968|110.364  
 CA|42354.838|44275.583|110.316  
 CA|43314.111|43032.254|94.621  
 CA|43494.045|43063.6|98.607  
 CA|43494.902|43058.65|98.608  
 CA|43554.804|43074.946|100.762  
 CA|43610.802|43084.123|103.125  
 CA|43611.909|43080.881|103.126  
 CA|43622.818|43085.346|103.226  
 CA|43627.533|43087.21|103.357  
 CA|43632.355|43089.173|103.408  
 CAC|39098.188|54658.639|80.847  
 CAC|39162.078|53934.308|75.919  
 CAC|39169.634|53896.749|76.435  
 CAC|39205.762|53842.673|78.241  
 CAC|39532.341|53508.07|83.575  
 CAC|39604.601|53477.078|85.212  
 CAC|39848.81|53283.924|91.645  
 CAC|39868.064|53257.545|92.298  
 CAC|39879.499|53207.121|92.143  
 CAC|39981.667|52967.489|91.239  
 CAC|40014.437|52867.859|89.079  
 CAC|40401.164|52342.432|99.799  
 CAC|40443.436|52360.89|100.42  
 CAC|40568.613|52235.119|105.227  
 CAC|40608.408|52008.022|103.102  
 CAC|40637.964|50503.574|99.173  
 CAC|40641.353|50457.813|98.433  
 CAC|40741.262|52304.815|107.896  
 CAC|40789.778|51214.585|112.836  
 CAC|40808.191|51257.554|112.808  
 CAC|43323.216|43033.352|94.603  
 CAM|39752.298|53336.361|89.535  
 CAM|39979.839|52973.63|91.266  
 CE|38923.535|55643.003|72.085  
 CE|38931.538|55240.817|65.178

CE|38933.048|55646.116|71.819  
 CE|38935.938|55639.529|71.642  
 CE|38950.391|55660.754|71.887  
 CE|38954.463|55253.52|64.77  
 CE|38954.536|55266.754|64.849  
 CE|38957.032|55629.061|71.348  
 CE|38960.953|55483.955|68.107  
 CE|38961.023|55143.571|67.351  
 CE|38964.239|55587.135|70.804  
 CE|38969.459|55486.532|68.235  
 CE|38970.164|55499.754|68.098  
 CE|38973.749|55694.858|72.677  
 CE|38975.922|55257.668|65.147  
 CE|38977.847|55259.208|65.264  
 CE|38978.843|55689.391|72.57  
 CE|38978.909|55689.445|72.534  
 CE|38978.998|55158.631|66.714  
 CE|38979.975|55688.653|72.544  
 CE|38980.137|55688.854|72.567  
 CE|38993.552|55725.402|73.221  
 CE|38994.922|55787.359|74.666  
 CE|39000.626|55789.684|74.352  
 CE|39000.913|55510.554|67.927  
 CE|39003.87|55762.038|73.897  
 CE|39011.033|55736.872|73.235  
 CE|39015.503|54931.731|72.286  
 CE|39033.627|54936.044|72.22  
 CE|39090.82|54694.764|80.175  
 CE|39107.004|55937.986|75.902  
 CE|39112.859|54714.242|79.213  
 CE|39119.632|54605.117|82.014  
 CE|39120.594|56007.696|76.665  
 CE|39123.959|56025.307|76.547  
 CE|39154.279|54156.991|75.253  
 CE|39155.279|54074.773|75.403  
 CE|39156.191|54348.565|79.654  
 CE|39163.783|53941.168|75.695  
 CE|39164.816|54159.986|75.393  
 CE|39165.265|53936.683|76.151  
 CE|39165.331|54619.257|81.229  
 CE|39166.694|54348.643|79.695  
 CE|39170.563|54428.767|81.211  
 CE|39173.402|54078.301|75.735  
 CE|39188.148|53941.977|76.341  
 CE|39202.459|53904.16|76.962  
 CE|39222.775|54493.052|82.456  
 CE|39240.909|53836.646|78.633  
 CE|39296.297|53769.648|78.147  
 CE|39307.039|53779.574|77.927  
 CE|39355.401|53722.313|78.51  
 CE|39366.092|53728.456|78.13  
 CE|39532.51|53532.688|83.241  
 CE|39552.476|53563.659|83.46  
 CE|39555.235|58553.921|41.869  
 CE|39577.64|58564.254|41.021  
 CE|39598.657|58574.076|40.832  
 CE|39604.372|58591.134|41.624  
 CE|39606.629|58467.414|35.275  
 CE|39607.845|58574.323|41.307  
 CE|39616.533|58474.151|35.376  
 CE|39628.547|58501.103|36.56  
 CE|39639.511|58489.376|35.525  
 CE|39652.412|58497.585|35.593  
 CE|39831.373|53292.457|91.353

CE|39947.922|53124.151|92.99  
 CE|39962.612|52993.743|91.218  
 CE|39969.36|53004.952|91.607  
 CE|39972.17|52998.301|91.427  
 CE|39994.579|53012.768|92.481  
 CE|39995.061|53002.755|91.901  
 CE|39996.221|53008.669|92.168  
 CE|39998.603|52983.353|91.842  
 CE|40003.77|53012.111|92.541  
 CE|40004.328|53006.916|92.291  
 CE|40031.175|52902.578|90.416  
 CE|40033.06|52798.076|88.427  
 CE|40060.897|52754.926|86.098  
 CE|40078.366|52764.355|86.424  
 CE|40112.742|52686.798|87.985  
 CE|40124.621|52693.199|88.828  
 CE|40230.034|52583.371|91.444  
 CE|40231.317|52584.796|91.445  
 CE|40233.448|52540.598|92.571  
 CE|40235.117|52541.739|92.569  
 CE|40399.866|52334.461|99.788  
 CE|40403.955|52336.067|99.637  
 CE|40422.524|52334.394|100.232  
 CE|40434.932|52338.474|100.38  
 CE|40442.438|52337.448|100.56  
 CE|40448.95|52332.589|100.506  
 CE|40521.547|52252.357|103.83  
 CE|40527.346|52244.519|104.071  
 CE|40533.012|52239.28|104.178  
 CE|40550.038|52239.757|104.354  
 CE|40635.482|51627.516|101.829  
 CE|40635.932|51627.676|101.828  
 CE|40638.509|51624.013|102.11  
 CE|40647.682|52279.311|106.701  
 CE|40648.604|52276.408|106.414  
 CE|40650.656|50329.606|95.385  
 CE|40650.9|50231.548|93.649  
 CE|40651.344|50235.171|93.509  
 CE|40653.775|50223.637|93.368  
 CE|40654.04|50237.329|93.554  
 CE|40662.653|50496.124|99.32  
 CE|40666.91|50069.828|92.234  
 CE|40669.687|50236.021|93.5  
 CE|40684.728|50077.976|92.666  
 CE|40718.732|50866.558|108.46  
 CE|40726.648|49904.117|91.537  
 CE|40730.151|49929.512|92.776  
 CE|40740.306|49912.924|92.248  
 CE|40743.433|50857.107|108.934  
 CE|40750.441|52311.886|107.929  
 CE|40751.427|50889.322|109.454  
 CE|40757.471|51049.47|110.792  
 CE|40758.6|51057.153|110.918  
 CE|40760.551|51050.493|110.871  
 CE|40761.805|51058.614|110.96  
 CE|40793.704|51061.894|111.484  
 CE|40799.735|51144.673|112.756  
 CE|40801.37|51080.735|111.878  
 CE|40802.874|51076.158|111.647  
 CE|40805.182|51188.79|113.379  
 CE|40811.138|51079.055|111.913  
 CE|40811.918|51069.336|111.928  
 CE|40813.858|51192.662|113.583  
 CE|40933.148|49726.857|99.935

CE|40945.244|49734.258|100.365  
 CE|41007.504|48370.555|89.689  
 CE|41011.279|48790.45|94.994  
 CE|41012.277|48363.403|89.719  
 CE|41015.759|48875.305|96.084  
 CE|41017.215|48902.934|96.361  
 CE|41019.019|52765.771|231.256  
 CE|41019.501|52762.152|231.131  
 CE|41025.356|48367.927|89.806  
 CE|41025.863|52766.421|231.243  
 CE|41027.297|48378.26|89.989  
 CE|41028.297|48761.787|95.395  
 CE|41030.803|48380.401|89.478  
 CE|41033.623|52767.039|230.826  
 CE|41039.944|48966.009|97.243  
 CE|41043.281|49084.037|96.813  
 CE|41045.465|49624.839|101.139  
 CE|41048.25|48381.742|90.707  
 CE|41057.911|49067.002|97.339  
 CE|41058.851|49634.911|102.042  
 CE|41097.868|49586.649|96.366  
 CE|41108.13|49607.175|97.044  
 CE|41119.65|49595.148|97.252  
 CE|41119.706|49600.062|97.315  
 CE|41138.504|49509.775|100.875  
 CE|41145.44|49274.5|102.236  
 CE|41146.188|49338.845|100.734  
 CE|41154.461|49500.089|103.652  
 CE|41163.021|49365.522|101.197  
 CE|41167.933|49373.913|101.353  
 CE|41168.559|49442.84|101.186  
 CE|41184.129|49345.553|102.589  
 CE|41287.002|47894.356|90.188  
 CE|41299.25|47901.132|90.366  
 CE|41331.324|47845.166|91.791  
 CE|41347.167|47790.88|91.835  
 CE|41359.118|47797.385|92.069  
 CE|41428.897|47661.532|91.419  
 CE|41438.623|47567.501|87.236  
 CE|41442.349|47666.866|91.686  
 CE|41453.832|47618.487|89.988  
 CE|41457.881|47642.229|90.6  
 CE|41468.922|47579.033|89.118  
 CE|41483.144|47583.381|89.628  
 CE|41498.981|47533.196|89.908  
 CE|41518.505|47351.558|89.746  
 CE|41522.696|47151.575|86.756  
 CE|41539.128|47201.135|87.572  
 CE|41546.843|47108.543|87.18  
 CE|41564.398|47107.047|87.182  
 CE|41600.673|46988.413|89.74  
 CE|41607.291|47013.684|88.863  
 CE|41638.956|46918.423|90.568  
 CE|41659.403|46902.583|91.226  
 CE|41664.435|46702.762|93.271  
 CE|41671.506|46069.021|87.188  
 CE|41672.834|45892.989|83.858  
 CE|41673.153|46705.171|93.49  
 CE|41677.123|46611.145|93.213  
 CE|41677.899|46044.049|86.804  
 CE|41678.784|46063.356|87.188  
 CE|41683.143|45842.321|83.794  
 CE|41686.267|46709.291|93.83  
 CE|41689.111|45883.271|83.956

CE|41691.768|46456.47|91.158  
 CE|41694.526|46046.561|86.876  
 CE|41695.077|46151.325|88.09  
 CE|41695.108|45834.431|83.896  
 CE|41695.336|46208.209|88.531  
 CE|41698.435|46092.199|87.67  
 CE|41699.122|46397.421|90.51  
 CE|41699.851|46365.324|90.121  
 CE|41705.758|45760.152|83.882  
 CE|41734.528|45741.603|84.133  
 CE|42009.565|45321.577|86.32  
 CE|42052.263|45253.568|87.242  
 CE|42067.167|45256.842|87.4  
 CE|42106.603|45186.704|88.799  
 CE|42133.428|45086.913|89.625  
 CE|42206.86|44949.818|91.811  
 CE|42215.348|44959.159|186.272  
 CE|42271.732|44834.944|93.743  
 CE|42319.632|44460.675|109.005  
 CE|42320.761|44476.562|110.094  
 CE|42322.657|44426.282|109.81  
 CE|42331.353|44458.924|107.525  
 CE|42333.724|44534.989|107.599  
 CE|42334.325|44438.152|107.267  
 CE|42337.702|44657.713|98.057  
 CE|42339.528|44589.879|101.402  
 CE|42351.399|44653.984|98.048  
 CE|42352.138|44542.152|105.102  
 CE|42354.24|44301.373|109.768  
 CE|42355.851|44644.996|98.684  
 CE|42358.191|44285.588|110.258  
 CE|42361.216|44272.998|110.265  
 CE|42367.015|44250.42|109.365  
 CE|42368.163|44235.965|109.204  
 CE|42371.354|44224.066|109.17  
 CE|42376.275|44258.718|109.521  
 CE|42390.392|44183.156|107.602  
 CE|42493.257|43962.847|101.74  
 CE|42505.094|43968.165|103.152  
 CE|42719.012|43523.587|101.893  
 CE|42733.206|43523.312|102.379  
 CE|42821.741|43320.227|99.536  
 CE|42830.521|43326.237|100.055  
 CE|42838.954|43281.691|98.178  
 CE|42849.318|43288.15|98.508  
 CE|42931.853|43109.526|97.481  
 CE|42934.139|43110.648|97.481  
 CE|42936.124|43064.258|87.504  
 CE|42950.989|42974.351|97.43  
 CE|42976.839|42968.379|91.626  
 CE|42996.205|42979.602|91.991  
 CE|43035.28|42984.066|92.735  
 CE|43042.921|42990.287|93.227  
 CE|43343.557|43030.232|95.096  
 CE|43490.096|43057.907|98.576  
 CEC|41061.672|48326.964|90.217  
 CEC|41064.308|48322.314|90.204  
 CEC|43050.098|42991.939|93.021  
 CH|40540.841|52152.43|103.105  
 CH|40616.644|51784.122|100.111  
 COTA|41009.148|52770.081|229.867  
 COTA|41010.012|52780.433|230.437  
 COTA|41010.254|52769.839|231.181  
 COTA|41010.745|52788.274|230.528

COTA|41010.837|52762.774|230.221  
 COTA|41011.901|52763.887|230.926  
 COTA|41016.9|52780.983|231.498  
 COTA|41016.941|52789.068|231.605  
 COTA|41022.087|52779.565|231.607  
 COTA|41023.915|52788.948|231.984  
 COTA|41026.921|52771.557|231.403  
 COTA|41029.831|52783.45|231.933  
 COTA|41031.206|52787.051|232.152  
 COTA|41032.471|52772.523|231.318  
 CR|40754.43|52311.206|109.009  
 CR|40754.611|52300.507|109.142  
 CR|40756.944|52299.58|109.2  
 CR|40757.103|52310.556|109.113  
 CR|40801.012|52331.004|109.818  
 CR|40801.783|52329.105|109.765  
 CT1|39679.993|58630.572|37.887  
 CT2|39689.262|58622.54|37.85  
 CT3|39662.568|58608.65|37.857  
 CT4|39671.533|58600.146|37.856  
 CT5|39547.461|58519.983|37.998  
 CT5|39554.303|58508.773|37.687  
 CT5|39593.718|58539.844|38.06  
 CT5|39598.506|58542.155|38.141  
 CT5|39599.374|58527.515|37.959  
 CT5|39604.058|58530.477|37.949  
 CT5|39615.367|58536.065|37.706  
 CT5|39623.34|58559.811|37.686  
 CT5|39631.903|58551.343|37.647  
 CT5|39642.75|58583.531|37.808  
 CT5|39651.486|58575.127|37.733  
 E0=PI0|39614.701|58529.251|49.493  
 E0=PI0|39614.701|58529.251|49.493  
 E0001|39000.379|55722.707|84.089  
 E0001|40522.796|52261.616|115.545  
 E0001|40522.796|52261.616|115.545  
 E0002|38989.248|55705.919|83.833  
 E0002|40540.011|52251.524|115.907  
 E0002|40540.011|52251.524|115.907  
 E0003|38978.258|55689.259|83.642  
 E0003|40557.455|52243.315|116.295  
 E0003|40557.455|52243.315|116.295  
 E0004|38968.388|55671.89|83.373  
 E0004|40576.055|52250.39|116.783  
 E0004|40576.055|52250.39|116.783  
 E0005|38958.545|55654.571|82.993  
 E0005|40594.719|52257.488|117.283  
 E0005|40594.719|52257.488|117.283  
 E0006|38954.217|55636.218|82.251  
 E0006|40613.254|52264.537|117.562  
 E0006|40613.254|52264.537|117.562  
 E0007|38958.048|55616.647|82.225  
 E0007|40631.859|52271.614|117.909  
 E0007|40631.859|52271.614|117.909  
 E0008|38961.891|55597.023|81.867  
 E0008|40650.55|52278.722|118.143  
 E0008|40650.55|52278.722|118.143  
 E0009|38965.732|55577.403|81.349  
 E0009|40669.084|52285.771|118.553  
 E0009|40669.084|52285.771|118.553  
 E0010|38970.174|55557.935|80.491  
 E0010|40687.734|52292.865|118.645  
 E0010|40687.734|52292.865|118.645  
 E0011|38975.023|55538.551|79.969

E0011|40706.267|52299.916|118.999  
 E0011|40706.267|52299.916|118.999  
 E0012|38979.852|55519.245|79.986  
 E0012|40724.793|52306.962|119.334  
 E0012|40724.793|52306.962|119.334  
 E0013|38982.73|55498.612|79.109  
 E0013|40744.24|52314.755|119.302  
 E0013|40744.24|52314.755|119.302  
 E0014|38981.898|55478.769|79.603  
 E0014|40761.568|52324.636|117.982  
 E0014|40761.568|52324.636|117.982  
 E0015|38981.062|55458.852|79.129  
 E0015|40778.705|52334.408|118.335  
 E0015|40778.705|52334.408|118.335  
 E0016|38980.225|55438.909|78.657  
 E0016|40795.921|52344.225|120.073  
 E0016|40795.921|52344.225|120.073  
 E0017|38979.388|55418.965|78.136  
 E0017|40813.175|52354.063|121.994  
 E0017|40813.175|52354.063|121.994  
 E0018|38978.554|55399.095|77.99  
 E0018|40831.075|52364.27|124.545  
 E0018|40831.075|52364.27|124.545  
 E0019|38977.718|55379.167|77.26  
 E0019|40848.034|52374.146|127.753  
 E0019|40848.034|52374.146|127.753  
 E0020|38976.884|55359.284|76.235  
 E0020|40864.948|52384.011|131.951  
 E0020|40864.948|52384.011|131.951  
 E0021|38976.047|55339.312|75.528  
 E0021|40881.833|52393.858|136.279  
 E0021|40881.833|52393.858|136.279  
 E0022|38975.216|55319.493|75.74  
 E0022|40898.87|52403.794|139.319  
 E0022|40898.87|52403.794|139.319  
 E0023|38974.381|55299.606|76.142  
 E0023|40913.387|52418.99|142.352  
 E0023|40913.387|52418.99|142.352  
 E0024|38973.544|55279.637|76.068  
 E0024|40924.133|52435.623|144.729  
 E0024|40924.133|52435.623|144.729  
 E0025|38972.703|55259.614|76.172  
 E0025|40934.909|52452.301|147.307  
 E0025|40934.909|52452.301|147.307  
 E0026|38971.866|55239.698|76.249  
 E0026|40945.595|52468.84|149.99  
 E0026|40945.595|52468.84|149.99  
 E0027|38971.029|55219.76|76.172  
 E0027|40956.227|52485.298|153.303  
 E0027|40956.227|52485.298|153.303  
 E0028|38970.192|55199.81|76.311  
 E0028|40967.621|52502.933|157.831  
 E0028|40967.621|52502.933|157.831  
 E0029|38972.927|55180.071|77.438  
 E0029|40974.262|52521.268|162.81  
 E0029|40974.262|52521.268|162.81  
 E0030|38977.234|55160.672|78.228  
 E0030|40979.884|52538.868|170.088  
 E0030|40979.884|52538.868|170.088  
 E0031|38981.558|55141.193|78.095  
 E0031|40985.377|52556.063|178.429  
 E0031|40985.377|52556.063|178.429  
 E0032|38985.874|55121.75|78.947  
 E0032|40991.012|52573.707|185.524

E0032|40991.012|52573.707|185.524  
 E0033|38990.209|55102.228|79.199  
 E0033|40998.912|52597.548|194.57  
 E0033|40998.912|52597.548|194.57  
 E0034|38994.515|55082.829|79.62  
 E0034|41005.189|52615.115|201.403  
 E0034|41005.189|52615.115|201.403  
 E0035|38998.848|55063.313|79.999  
 E0035|41011.468|52632.686|208.582  
 E0035|41011.468|52632.686|208.582  
 E0036|39003.169|55043.853|80.366  
 E0036|41020.92|52652.489|216.713  
 E0036|41020.92|52652.489|216.713  
 E0037|39007.49|55024.391|80.71  
 E0037|41037.217|52662.236|223.078  
 E0037|41037.217|52662.236|223.078  
 E0038|39011.801|55004.97|81.156  
 E0038|41036.807|52681.268|228.437  
 E0038|41036.807|52681.268|228.437  
 E0039|39016.113|54985.55|81.62  
 E0039|41032.219|52700.123|233.065  
 E0039|41032.219|52700.123|233.065  
 E0040|39021.503|54965.492|82.235  
 E0040|41027.603|52719.09|237.094  
 E0040|41027.603|52719.09|237.094  
 E0041|39028.16|54946.773|83.049  
 E0041|41022.881|52740.085|240.566  
 E0041|41022.881|52740.085|240.566  
 E0042|39034.821|54928.043|83.392  
 E0042|41019.079|52759.593|242.439  
 E0042|41019.079|52759.593|242.439  
 E0043|39041.511|54909.231|84.054  
 E0044|39048.207|54890.403|84.665  
 E0045|39054.876|54871.653|85.429  
 E0046|39061.574|54852.818|85.887  
 E0047|39068.253|54834.037|86.591  
 E0048|39074.906|54815.329|87.224  
 E0049|39081.571|54796.588|87.82  
 E0050|39088.276|54777.739|88.391  
 E0051|39094.946|54758.979|89.029  
 E0052|39101.602|54740.263|89.653  
 E0053|39108.701|54720.541|90.34  
 E0054|39116.258|54702.106|90.722  
 E0055|39123.82|54683.807|91.203  
 E0056|39131.442|54665.365|91.568  
 E0057|39139.054|54646.945|92.035  
 E0058|39146.634|54628.603|92.194  
 E0059|39154.23|54610.227|92.661  
 E0060|39161.865|54591.752|93.318  
 E0061|39169.451|54573.393|93.54  
 E0062|39173.504|54553.609|93.692  
 E0063|39172.683|54533.651|93.641  
 E0064|39171.868|54513.82|93.364  
 E0065|39171.052|54493.964|93.185  
 E0066|39170.236|54474.118|93.038  
 E0067|39169.419|54454.259|92.78  
 E0068|39168.602|54434.388|92.491  
 E0069|39167.787|54414.58|92.233  
 E0070|39166.971|54394.701|91.822  
 E0071|39166.154|54374.83|91.463  
 E0072|39165.335|54354.936|90.965  
 E0073|39164.521|54335.127|90.408  
 E0074|39164.22|54313.852|89.851  
 E0075|39164.22|54293.854|89.382

E0140|39843.909|53279.204|102.749  
 E0141|39861.117|53262.392|103.171  
 E0142|39871.616|53245.612|103.014  
 E0143|39881.661|53228.633|103.371  
 E0144|39891.702|53211.662|103.375  
 E0145|39901.717|53194.736|103.516  
 E0146|39911.799|53177.696|103.672  
 E0147|39921.851|53160.707|103.848  
 E0148|39931.882|53143.751|103.997  
 E0149|39941.936|53126.758|103.865  
 E0151|39959.692|53089.115|103.781  
 E0152|39966.222|53070.431|103.873  
 E0153|39972.733|53051.807|103.872  
 E0154|39979.224|53033.234|103.7  
 E0155|39985.775|53014.494|103.372  
 E0156|39992.78|52994.526|103.096  
 E0157|39999.517|52975.97|102.783  
 E0158|40006.261|52957.392|102.263  
 E0159|40012.966|52938.926|101.977  
 E0160|40019.712|52920.344|101.528  
 E0161|40026.464|52901.748|101.33  
 E0162|40033.244|52883.074|100.73  
 E0163|40039.955|52864.589|100.285  
 E0164|40046.734|52845.915|100.356  
 E0165|40053.46|52827.389|100.211  
 E0166|40060.169|52808.911|99.913  
 E0167|40066.907|52790.349|98.187  
 E0168|40073.663|52771.742|98.204  
 E0169|40080.356|52753.308|97.009  
 E0170|40089.45|52731.973|97.988  
 E0171|40102.448|52717.009|99.021  
 E0172|40115.462|52702.026|99.106  
 E0173|40128.368|52687.167|100.021  
 E0174|40141.232|52672.357|100.955  
 E0175|40154.179|52657.451|101.386  
 E0176|40167.137|52642.536|101.312  
 E0177|40181.763|52626.819|100.045  
 E0178|40195.447|52612.606|100.453  
 E0179|40209.228|52598.295|100.897  
 E0180|40222.905|52584.091|102.215  
 E0181|40236.569|52569.898|102.717  
 E0182|40250.291|52555.648|103.349  
 E0183|40263.995|52541.416|103.875  
 E0184|40277.678|52527.206|104.708  
 E0185|40291.335|52513.023|105.136  
 E0186|40305.068|52498.761|105.633  
 E0187|40318.765|52484.535|106.059  
 E0188|40332.444|52470.331|106.918  
 E0189|40346.09|52456.157|107.306  
 E0190|40359.838|52441.88|107.913  
 E0191|40373.577|52427.611|108.424  
 E0192|40387.239|52413.423|109.395  
 E0193|40400.913|52399.223|110.074  
 E0194|40414.531|52385.08|110.372  
 E0195|40428.223|52370.86|111.114  
 E0196|40444.115|52352.243|111.408  
 E0197|40456.159|52336.454|112.285  
 E0198|40468.142|52320.745|112.508  
 E0199|40480.093|52305.077|113.307  
 E0200|40492.063|52289.388|113.839  
 E0201|40504.115|52273.588|114.444  
 E0202|40515.406|52255.847|114.824  
 E0203|40525.888|52238.991|114.981  
 E0204|40535.623|52220.814|115.372

E0205|40542.182|52202.115|115.174  
 E0206|40548.709|52183.51|115.043  
 E0207|40555.285|52164.763|115.06  
 E0208|40561.866|52146.003|114.766  
 E0209|40568.466|52127.188|114.607  
 E0210|40574.977|52108.626|114.801  
 E0211|40581.567|52089.837|115.075  
 E0212|40588.124|52071.144|115.168  
 E0213|40591.466|52058.527|115.109  
 E0214|40596.088|52039.283|115.003  
 E0215|40600.727|52019.975|114.645  
 E0216|40603.838|51999.98|113.936  
 E0217|40604.727|51980.017|113.713  
 E0218|40605.608|51960.195|113.66  
 E0219|40606.488|51940.414|113.691  
 E0220|40607.372|51920.54|113.198  
 E0221|40608.257|51900.682|112.747  
 E0222|40609.139|51880.855|112.663  
 E0223|40610.018|51861.112|112.325  
 E0224|40610.9|51841.26|111.905  
 E0225|40611.775|51821.589|111.434  
 E0226|40612.658|51801.763|111.166  
 E0227|40613.535|51782.072|111.22  
 E0228|40614.509|51760.181|111.283  
 E0229|40621.043|51741.41|111.607  
 E0230|40627.801|51722.716|111.643  
 E0231|40634.559|51704.018|111.905  
 E0232|40641.306|51685.351|112.446  
 E0233|40648.057|51666.676|112.889  
 E0234|40654.834|51647.924|113.047  
 E0235|40661.58|51629.263|110.896  
 E0236|40668.369|51610.478|111.09  
 E0237|40675.107|51591.837|111.745  
 E0238|40681.861|51573.156|112.175  
 E0239|40688.619|51554.457|112.742  
 E0240|40695.379|51535.755|113.128  
 E0241|40703.12|51515.87|113.361  
 E0242|40710.708|51497.52|113.634  
 E0243|40718.285|51479.111|114.085  
 E0244|40725.888|51460.683|114.768  
 E0245|40733.462|51442.325|115.313  
 E0246|40741.053|51423.922|116.055  
 E0247|40748.643|51405.525|116.694  
 E0248|40756.242|51387.107|117.355  
 E0249|40763.855|51368.654|118.017  
 E0250|40771.445|51350.257|118.912  
 E0251|40779.071|51331.771|119.486  
 E0252|40786.644|51313.418|119.94  
 E0253|40794.276|51294.918|120.472  
 E0254|40797.96|51274.618|120.871  
 E0255|40798.352|51254.767|121.168  
 E0256|40798.746|51234.85|121.3  
 E0257|40799.139|51214.968|121.514  
 E0258|40799.533|51195.09|121.592  
 E0259|40798.721|51174.739|121.344  
 E0260|40794.805|51155.172|121.036  
 E0261|40790.902|51135.676|120.726  
 E0262|40787.006|51116.21|120.349  
 E0263|40783.108|51096.729|120.107  
 E0264|40779.207|51077.232|119.671  
 E0265|40775.27|51057.558|119.503  
 E0266|40771.364|51038.042|119.137  
 E0267|40767.454|51018.507|118.948  
 E0268|40763.552|50999.01|118.723

E0269|40759.667|50979.599|118.58  
 E0270|40755.769|50960.121|118.448  
 E0271|40751.875|50940.665|118.229  
 E0272|40747.948|50921.042|118.01  
 E0273|40744.042|50901.523|117.819  
 E0274|40740.141|50882.035|117.527  
 E0275|40736.241|50862.535|117.252  
 E0276|40731.64|50841.383|116.846  
 E0277|40726.983|50822.107|116.419  
 E0278|40722.29|50802.69|115.999  
 E0279|40717.619|50783.365|115.604  
 E0280|40712.976|50764.149|114.932  
 E0281|40708.297|50744.79|114.543  
 E0282|40703.641|50725.524|113.998  
 E0283|40698.945|50706.091|113.27  
 E0284|40694.285|50686.81|112.645  
 E0285|40689.623|50667.518|112.026  
 E0286|40684.953|50648.193|111.642  
 E0287|40680.3|50628.938|110.959  
 E0288|40675.617|50609.56|110.531  
 E0289|40670.94|50590.203|109.999  
 E0290|40666.261|50570.841|109.6  
 E0291|40661.624|50551.655|108.379  
 E0292|40659.33|50530.069|108.141  
 E0293|40659.623|50510.25|107.97  
 E0294|40659.916|50490.288|107.572  
 E0295|40660.209|50470.41|107.147  
 E0296|40660.501|50450.659|106.505  
 E0297|40660.793|50430.862|105.994  
 E0298|40661.085|50411.01|105.474  
 E0299|40661.377|50391.24|104.902  
 E0300|40661.669|50371.377|104.448  
 E0301|40661.961|50351.568|104.303  
 E0302|40662.253|50331.718|103.724  
 E0303|40662.547|50311.838|103.412  
 E0304|40662.84|50291.98|102.777  
 E0305|40663.134|50271.999|101.968  
 E0306|40663.427|50252.058|101.738  
 E0307|40663.72|50232.217|101.544  
 E0308|40664.016|50212.316|101.384  
 E0309|40664.308|50192.434|101.195  
 E0310|40664.6|50172.621|100.95  
 E0311|40664.892|50152.783|101.027  
 E0312|40665.761|50130.089|101.002  
 E0313|40671.508|50110.92|101.052  
 E0314|40677.229|50091.84|101.194  
 E0315|40682.951|50072.754|101.44  
 E0316|40688.665|50053.695|101.409  
 E0317|40694.384|50034.62|101.206  
 E0318|40700.094|50015.573|101.545  
 E0319|40705.791|49996.572|101.689  
 E0320|40711.512|49977.489|101.309  
 E0321|40717.233|49958.404|100.81  
 E0323|40733.448|49921.359|101.296  
 E0324|40745.997|49906.299|100.941  
 E0325|40761.033|49893.184|101.586  
 E0326|40775.967|49880.157|102.23  
 E0327|40791.04|49867.01|102.25  
 E0328|40806.006|49853.956|103.231  
 E0329|40821.031|49840.85|104.231  
 E0330|40836.022|49827.776|104.726  
 E0331|40850.979|49814.728|105.16  
 E0332|40865.973|49801.65|105.71  
 E0333|40880.834|49788.687|106.456

E0334|40895.81|49775.625|107.078  
 E0335|40910.819|49762.533|107.825  
 E0336|40925.86|49749.413|108.355  
 E0337|40940.853|49736.336|109.03  
 E0338|40955.876|49723.231|109.442  
 E0339|40970.895|49710.131|110.012  
 E0340|40985.902|49697.042|110.335  
 E0341|41000.988|49683.882|110.564  
 E0342|41016.044|49670.75|110.616  
 E0343|41032.433|49656.389|110.769  
 E0344|41047.448|49643.185|110.785  
 E0346|41080.07|49620.424|110.588  
 E0347|41097.592|49610.976|110.882  
 E0348|41115.287|49601.433|111.496  
 E0464|40684.953|50648.193|111.642  
 E1|39620.225|58510.009|47.852  
 E1|39620.225|58510.009|47.852  
 E1|41123.509|49581.7|111.663  
 E10|39670.655|58337.219|48.009  
 E10|39670.655|58337.219|48.009  
 E10|41170.063|49408.358|115.67  
 E100|40130.556|56594.581|79.021  
 E100|40130.556|56594.581|79.021  
 E100|41400.139|47730.555|104.855  
 E100|41400.139|47730.555|104.855  
 E101|40135.54|56575.218|78.439  
 E101|40135.54|56575.218|78.439  
 E101|41410.833|47713.66|106.104  
 E101|41410.833|47713.66|106.104  
 E102|40140.529|56555.832|77.846  
 E102|40140.529|56555.832|77.846  
 E102|41421.513|47696.788|106.582  
 E102|41421.513|47696.788|106.582  
 E102|41432.199|47679.907|106.52  
 E102|41432.199|47679.907|106.52  
 E103|40145.517|56536.451|77.214  
 E103|40145.517|56536.451|77.214  
 E104|40148.302|56516.97|76.499  
 E104|40148.302|56516.97|76.499  
 E104|41442.894|47663.01|105.789  
 E104|41442.894|47663.01|105.789  
 E105|40141.211|56499.99|76.277  
 E105|40141.211|56499.99|76.277  
 E105|41453.596|47646.102|105.54  
 E105|41453.596|47646.102|105.54  
 E106|40110.642|56474.18|76.578  
 E106|40125.909|56487.07|76.578  
 E106|40125.909|56487.07|76.578  
 E106|41461.879|47627.798|104.852  
 E106|41461.879|47627.798|104.852  
 E107|40110.642|56474.18|76.578  
 E107|41469.927|47609.441|104.303  
 E107|41469.927|47609.441|104.303  
 E108|40095.426|56461.333|77.025  
 E108|40095.426|56461.333|77.025  
 E108|41477.955|47591.128|104.385  
 E108|41477.955|47591.128|104.385  
 E109|40080.143|56448.43|77.002  
 E109|40080.143|56448.43|77.002  
 E109|41484.934|47572.484|102.93  
 E109|41484.934|47572.484|102.93  
 E11|39676.259|58317.975|48.899  
 E11|39676.259|58317.975|48.899  
 E11|41173.925|49388.624|115.868

**PTS-TOTAL**

E110|40064.867|56435.532|76.906  
E110|40064.867|56435.532|76.906  
E110|41489.415|47552.86|103.729  
E110|41489.415|47552.86|103.729  
E111|40049.553|56422.602|77.061  
E111|40049.553|56422.602|77.061  
E111|41493.875|47533.333|103.987  
E111|41493.875|47533.333|103.987  
E111|41497.606|47513.805|103.987  
E111|41497.606|47513.805|103.987  
E112|40034.332|56409.752|77.13  
E112|40034.332|56409.752|77.13  
E112|41499.793|47493.934|103.66  
E112|41499.793|47493.934|103.66  
E113|40019.059|56396.855|77.412  
E113|40019.059|56396.855|77.412  
E113|41501.983|47474.033|103.045  
E113|41501.983|47474.033|103.045  
E114|40003.803|56383.976|77.62  
E114|40003.803|56383.976|77.62  
E114|41504.173|47454.131|101.886  
E114|41504.173|47454.131|101.886  
E115|39988.405|56370.976|78.3  
E115|39988.405|56370.976|78.3  
E116|39970.615|56364.624|78.382  
E116|39970.615|56364.624|78.382  
E116|41506.364|47434.226|103  
E116|41506.364|47434.226|103  
E117|39950.686|56364.869|78.785  
E117|39950.686|56364.869|78.785  
E117|41508.555|47414.315|102.954  
E117|41508.555|47414.315|102.954  
E118|39930.676|56365.116|79.971  
E118|39930.676|56365.116|79.971  
E118|41510.74|47394.46|103.897  
E118|41510.74|47394.46|103.897  
E119|39910.857|56365.36|79.648  
E119|39910.857|56365.36|79.648  
E119|41512.927|47374.585|104.037  
E119|41512.927|47374.585|104.037  
E12|39681.868|58298.755|50.428  
E12|39681.868|58298.755|50.428  
E12|41177.778|49368.951|116.306  
E120|39890.858|56365.606|80.143  
E120|39890.858|56365.606|80.143  
E120|41515.114|47354.698|104.123  
E120|41515.114|47354.698|104.123  
E121|39871.118|56365.849|81.015  
E121|39871.118|56365.849|81.015  
E121|41517.307|47334.778|103.927  
E121|41517.307|47334.778|103.927  
E122|39851.17|56366.095|81.825  
E122|39851.17|56366.095|81.825  
E122|41519.498|47314.863|103.562  
E122|41519.498|47314.863|103.562  
E123|39829.839|56364.643|82.809  
E123|39829.839|56364.643|82.809  
E123|41521.681|47295.032|103.379  
E123|41521.681|47295.032|103.379  
E124|39809.966|56361.659|83.373  
E124|39809.966|56361.659|83.373  
E124|41523.94|47275.34|102.899  
E124|41523.94|47275.34|102.899  
E125|39790.121|56358.68|83.956

E125|39790.121|56358.68|83.956  
 E125|41527.379|47255.635|102.673  
 E125|41527.379|47255.635|102.673  
 E126|39771.571|56354.949|84.895  
 E126|39771.571|56354.949|84.895  
 E126|41530.809|47235.983|102.485  
 E126|41530.809|47235.983|102.485  
 E127|39752.108|56350.478|85.199  
 E127|39752.108|56350.478|85.199  
 E127|41534.242|47216.306|102.262  
 E127|41534.242|47216.306|102.262  
 E128|39732.632|56346.004|85.81  
 E128|39732.632|56346.004|85.81  
 E128|41537.683|47196.592|101.982  
 E128|41537.683|47196.592|101.982  
 E129|39713.145|56341.527|86.358  
 E129|39713.145|56341.527|86.358  
 E129|41541.12|47176.888|101.767  
 E129|41541.12|47176.888|101.767  
 E13|39687.457|58279.602|51.544  
 E13|39687.457|58279.602|51.544  
 E13|41178.24|49350.084|117.001  
 E130|39693.659|56337.05|87.438  
 E130|39693.659|56337.05|87.438  
 E130|41544.565|47157.148|101.475  
 E130|41544.565|47157.148|101.475  
 E131|39674.593|56331.84|87.931  
 E131|39674.593|56331.84|87.931  
 E131|41550.514|47134.025|101.945  
 E131|41550.514|47134.025|101.945  
 E132|39656.154|56323.959|88.535  
 E132|39656.154|56323.959|88.535  
 E132|41558.797|47115.797|101.711  
 E132|41558.797|47115.797|101.711  
 E133|39637.835|56316.129|88.55  
 E133|39637.835|56316.129|88.55  
 E133|41567.07|47097.595|102.06  
 E133|41567.07|47097.595|102.06  
 E134|39619.304|56308.637|88.952  
 E134|39619.304|56308.637|88.952  
 E134|41575.329|47079.423|102.322  
 E134|41575.329|47079.423|102.322  
 E135|39599.711|56303.918|89.556  
 E135|39599.711|56303.918|89.556  
 E135|41583.593|47061.24|102.443  
 E135|41583.593|47061.24|102.443  
 E136|39580.229|56299.226|89.892  
 E136|39580.229|56299.226|89.892  
 E136|41591.861|47043.046|102.889  
 E136|41591.861|47043.046|102.889  
 E137|39560.705|56294.523|89.626  
 E137|39560.705|56294.523|89.626  
 E137|41600.137|47024.838|103.243  
 E137|41600.137|47024.838|103.243  
 E138|39541.257|56289.839|89.574  
 E138|39541.257|56289.839|89.574  
 E138|41608.426|47006.599|103.589  
 E138|41608.426|47006.599|103.589  
 E139|39521.821|56285.157|89.428  
 E139|39521.821|56285.157|89.428  
 E139|41616.703|46988.39|107.935  
 E139|41616.703|46988.39|107.935  
 E14|39693.051|58260.433|52.663  
 E14|39693.051|58260.433|52.663

E14|41168.93|49332.392|116.941  
 E140|39504.095|56277.034|88.882  
 E140|39504.095|56277.034|88.882  
 E140|41624.993|46970.148|104.229  
 E140|41624.993|46970.148|104.229  
 E141|39487.002|56266.662|89.035  
 E141|39487.002|56266.662|89.035  
 E141|41633.273|46951.93|104.412  
 E141|41633.273|46951.93|104.412  
 E142|39470.609|56255.361|88.912  
 E142|39470.609|56255.361|88.912  
 E142|41641.54|46933.742|105.013  
 E142|41641.54|46933.742|105.013  
 E143|39455.781|56241.86|88.612  
 E143|39455.781|56241.86|88.612  
 E143|41649.806|46915.556|105.469  
 E143|41649.806|46915.556|105.469  
 E144|39441.022|56228.422|88.33  
 E144|39441.022|56228.422|88.33  
 E144|41655.792|46896.646|106.093  
 E144|41655.792|46896.646|106.093  
 E145|39427.837|56213.235|87.425  
 E145|39427.837|56213.235|87.425  
 E145|41658.696|46876.89|106.108  
 E145|41658.696|46876.89|106.108  
 E146|39414.854|56198.044|86.628  
 E146|39414.854|56198.044|86.628  
 E146|41661.602|46857.133|106.594  
 E146|41661.602|46857.133|106.594  
 E147|39401.866|56182.847|86.93  
 E147|39401.866|56182.847|86.93  
 E147|41664.506|46837.379|107.055  
 E147|41664.506|46837.379|107.055  
 E148|39388.925|56167.704|86.862  
 E148|39388.925|56167.704|86.862  
 E148|41667.411|46817.621|107.408  
 E148|41667.411|46817.621|107.408  
 E149|39373.174|56156.513|87.105  
 E149|39373.174|56156.513|87.105  
 E149|41670.321|46797.828|107.652  
 E149|41670.321|46797.828|107.652  
 E15|39698.661|58241.208|53.598  
 E15|39698.661|58241.208|53.598  
 E15|41159.615|49314.689|116.376  
 E150|39354.343|56149.888|87.529  
 E150|39354.343|56149.888|87.529  
 E150|41673.241|46777.964|107.911  
 E150|41673.241|46777.964|107.911  
 E151|39335.434|56143.236|86.913  
 E151|39335.434|56143.236|86.913  
 E151|41676.15|46758.178|108.109  
 E151|41676.15|46758.178|108.109  
 E152|39316.604|56136.612|86.503  
 E152|39316.604|56136.612|86.503  
 E152|41679.055|46738.421|108.289  
 E152|41679.055|46738.421|108.289  
 E153|39297.647|56129.943|86.442  
 E153|39297.647|56129.943|86.442  
 E153|41681.957|46718.689|108.221  
 E153|41681.957|46718.689|108.221  
 E154|39278.732|56123.288|86.181  
 E154|39278.732|56123.288|86.181  
 E154|41680.627|46698.713|108.179  
 E154|41680.627|46698.713|108.179

E155|39259.875|56116.655|86.011  
 E155|39259.875|56116.655|86.011  
 E155|41678.815|46678.782|108.084  
 E155|41678.815|46678.782|108.084  
 E156|39241.05|56110.032|86.086  
 E156|39241.05|56110.032|86.086  
 E156|41677.002|46658.845|108.014  
 E156|41677.002|46658.845|108.014  
 E157|39224.06|56100.323|86.257  
 E157|39224.06|56100.323|86.257  
 E157|41675.19|46638.909|107.952  
 E157|41675.19|46638.909|107.952  
 E158|39207.82|56088.476|86.474  
 E158|39207.82|56088.476|86.474  
 E158|41673.374|46618.952|107.79  
 E158|41673.374|46618.952|107.79  
 E159|39192.006|56076.689|86.691  
 E159|39192.006|56076.689|86.691  
 E159|41672.757|46599.152|107.517  
 E159|41672.757|46599.152|107.517  
 E16|39704.252|58222.036|54.534  
 E16|39704.252|58222.036|54.534  
 E16|41140.95|49279.215|116.66  
 E16|41150.266|49296.921|116.431  
 E160|39176.163|56064.45|87.223  
 E160|39176.163|56064.45|87.223  
 E160|41675.083|46579.299|107.258  
 E160|41675.083|46579.299|107.258  
 E161|39160.308|56052.203|86.76  
 E161|39160.308|56052.203|86.76  
 E161|41677.413|46559.421|106.99  
 E161|41677.413|46559.421|106.99  
 E162|39144.424|56039.932|86.948  
 E162|39144.424|56039.932|86.948  
 E162|41679.738|46539.568|106.751  
 E162|41679.738|46539.568|106.751  
 E163|39128.574|56027.689|87.45  
 E163|39128.574|56027.689|87.45  
 E163|41682.069|46519.676|106.404  
 E163|41682.069|46519.676|106.404  
 E164|39119.044|56012.373|87.682  
 E164|39119.044|56012.373|87.682  
 E164|41684.394|46499.828|106.169  
 E164|41684.394|46499.828|106.169  
 E165|39112.558|55992.497|87.642  
 E165|39112.558|55992.497|87.642  
 E165|41686.719|46479.988|105.919  
 E165|41686.719|46479.988|105.919  
 E166|39110.223|55972.678|87.529  
 E166|39110.223|55972.678|87.529  
 E166|41689.049|46460.099|105.593  
 E166|41689.049|46460.099|105.593  
 E167|39107.878|55952.764|87.237  
 E167|39107.878|55952.764|87.237  
 E167|41691.369|46440.297|105.281  
 E167|41691.369|46440.297|105.281  
 E168|39102.701|55933.72|86.971  
 E168|39102.701|55933.72|86.971  
 E168|41693.695|46420.441|105.105  
 E168|41693.695|46420.441|105.105  
 E169|39093.723|55915.74|86.844  
 E169|39093.723|55915.74|86.844  
 E169|41696.023|46400.571|104.889  
 E169|41696.023|46400.571|104.889

E17|39709.874|58202.762|55.274  
 E17|39709.874|58202.762|55.274  
 E170|39084.796|55897.861|86.632  
 E170|39084.796|55897.861|86.632  
 E170|41695.968|46380.554|104.594  
 E170|41695.968|46380.554|104.594  
 E171|39075.859|55879.962|86.395  
 E171|39075.859|55879.962|86.395  
 E171|41695.515|46360.534|104.121  
 E171|41695.515|46360.534|104.121  
 E172|39066.928|55862.078|86.112  
 E172|39066.928|55862.078|86.112  
 E172|41695.064|46340.605|104.112  
 E172|41695.064|46340.605|104.112  
 E173|39058|55844.197|85.765  
 E173|39058|55844.197|85.765  
 E173|41694.612|46320.631|103.91  
 E173|41694.612|46320.631|103.91  
 E174|39049|55826.175|85.239  
 E174|39049|55826.175|85.239  
 E174|41694.16|46300.648|103.673  
 E174|41694.16|46300.648|103.673  
 E175|39040.73|55808.327|85.454  
 E175|39040.73|55808.327|85.454  
 E175|41693.709|46280.702|103.502  
 E175|41693.709|46280.702|103.502  
 E176|39032.881|55789.869|85.209  
 E176|39032.881|55789.869|85.209  
 E176|41693.256|46260.659|103.404  
 E176|41693.256|46260.659|103.404  
 E177|39025.05|55771.454|84.987  
 E177|39025.05|55771.454|84.987  
 E177|41692.803|46240.646|103.219  
 E177|41692.803|46240.646|103.219  
 E178|39017.24|55753.088|84.687  
 E178|39017.24|55753.088|84.687  
 E178|41692.35|46220.667|103.115  
 E178|41692.35|46220.667|103.115  
 E179|39000.379|55722.707|84.089  
 E179|41691.901|46200.733|103.043  
 E179|41691.901|46200.733|103.043  
 E18|39715.48|58183.543|56.164  
 E18|39715.48|58183.543|56.164  
 E18|41131.649|49261.538|116.479  
 E180|38989.248|55705.919|83.833  
 E180|41691.739|46180.549|102.959  
 E180|41691.739|46180.549|102.959  
 E181|38978.258|55689.259|83.642  
 E181|41691.838|46160.663|102.709  
 E181|41691.838|46160.663|102.709  
 E182|38968.388|55671.89|83.373  
 E182|41691.938|46140.548|102.383  
 E182|41691.938|46140.548|102.383  
 E183|38958.545|55654.571|82.993  
 E183|41692.036|46120.596|102.173  
 E183|41692.036|46120.596|102.173  
 E184|38954.217|55636.218|82.251  
 E184|41692.134|46100.84|101.88  
 E184|41692.134|46100.84|101.88  
 E185|38958.048|55616.647|82.225  
 E185|41692.233|46080.864|101.616  
 E185|41692.233|46080.864|101.616  
 E186|38961.891|55597.023|81.867  
 E186|41692.006|46060.631|101.553

E186|41692.006|46060.631|101.553  
 E187|38965.732|55577.403|81.349  
 E187|41690.86|46040.644|101.175  
 E187|41690.86|46040.644|101.175  
 E188|38970.174|55557.935|80.491  
 E188|41689.712|46020.625|100.801  
 E188|41689.712|46020.625|100.801  
 E189|38975.023|55538.551|79.969  
 E189|41688.565|46000.632|100.479  
 E189|41688.565|46000.632|100.479  
 E19|39721.096|58164.29|56.839  
 E19|39721.096|58164.29|56.839  
 E19|41122.318|49243.805|115.88  
 E190|38979.852|55519.245|79.986  
 E190|41687.421|45980.694|99.974  
 E190|41687.421|45980.694|99.974  
 E191|38982.73|55498.612|79.109  
 E191|41686.269|45960.611|99.546  
 E191|41686.269|45960.611|99.546  
 E192|38981.898|55478.769|79.603  
 E192|41685.385|45940.9|99.079  
 E192|41685.385|45940.9|99.079  
 E193|38981.062|55458.852|79.129  
 E193|41685.751|45920.924|98.249  
 E193|41685.751|45920.924|98.249  
 E194|38980.225|55438.909|78.657  
 E194|41686.118|45900.944|98.673  
 E194|41686.118|45900.944|98.673  
 E195|38979.388|55418.965|78.136  
 E195|41686.485|45880.934|98.118  
 E195|41686.485|45880.934|98.118  
 E196|38978.554|55399.095|77.99  
 E196|41688.73|45861.124|98.373  
 E196|41688.73|45861.124|98.373  
 E197|38977.718|55379.167|77.26  
 E197|41692.768|45841.529|98.534  
 E197|41692.768|45841.529|98.534  
 E198|38976.884|55359.284|76.235  
 E198|41696.771|45822.104|98.402  
 E198|41696.771|45822.104|98.402  
 E199|38976.047|55339.312|75.528  
 E199|41702.511|45802.816|98.439  
 E199|41702.511|45802.816|98.439  
 E2|39625.837|58490.781|46.605  
 E2|39625.837|58490.781|46.605  
 E2|41130.312|49562.818|111.999  
 E20|39726.713|58145.035|57.505  
 E20|39726.713|58145.035|57.505  
 E20|41112.999|49226.092|115.194  
 E200|38975.216|55319.493|75.74  
 E200|41709.221|45784.088|98.245  
 E200|41709.221|45784.088|98.245  
 E201|38974.381|55299.606|76.142  
 E201|41715.95|45765.306|98.468  
 E201|41715.95|45765.306|98.468  
 E202|38973.544|55279.637|76.068  
 E202|41726.949|45748.528|98.286  
 E202|41726.949|45748.528|98.286  
 E203|38972.703|55259.614|76.172  
 E203|41738.413|45732.125|98.617  
 E203|41738.413|45732.125|98.617  
 E204|38971.866|55239.698|76.249  
 E204|41749.847|45715.764|98.33  
 E204|41749.847|45715.764|98.33

E205|38971.029|55219.76|76.172  
 E205|41761.314|45699.357|98.344  
 E205|41761.314|45699.357|98.344  
 E206|38970.192|55199.81|76.311  
 E206|41772.772|45682.964|98.537  
 E206|41772.772|45682.964|98.537  
 E207|38972.927|55180.071|77.438  
 E207|41784.202|45666.608|98.622  
 E207|41784.202|45666.608|98.622  
 E208|38977.234|55160.672|78.228  
 E208|41795.666|45650.205|98.841  
 E208|41795.666|45650.205|98.841  
 E209|38981.558|55141.193|78.095  
 E209|41807.123|45633.813|98.95  
 E209|41807.123|45633.813|98.95  
 E21|39732.324|58125.798|58.306  
 E21|39732.324|58125.798|58.306  
 E21|41103.141|49204.111|114.282  
 E210|38985.874|55121.75|78.947  
 E210|41818.586|45617.41|98.905  
 E210|41818.586|45617.41|98.905  
 E211|38990.209|55102.228|79.199  
 E211|41830.044|45601.016|98.929  
 E211|41830.044|45601.016|98.929  
 E212|38994.515|55082.829|79.62  
 E212|41841.558|45584.542|99.011  
 E212|41841.558|45584.542|99.011  
 E213|38998.848|55063.313|79.999  
 E213|41853.031|45568.125|98.571  
 E213|41853.031|45568.125|98.571  
 E214|39003.169|55043.853|80.366  
 E214|41864.519|45551.687|98.496  
 E214|41864.519|45551.687|98.496  
 E215|39007.49|55024.391|80.71  
 E215|41875.961|45535.317|98.852  
 E215|41875.961|45535.317|98.852  
 E216|39011.801|55004.97|81.156  
 E216|41887.401|45518.946|98.991  
 E216|41887.401|45518.946|98.991  
 E217|39016.113|54985.55|81.62  
 E217|41898.863|45502.546|98.818  
 E217|41898.863|45502.546|98.818  
 E218|39021.503|54965.492|82.235  
 E218|41910.288|45486.2|99.039  
 E218|41910.288|45486.2|99.039  
 E219|39028.16|54946.773|83.049  
 E219|41921.821|45469.698|99.135  
 E219|41921.821|45469.698|99.135  
 E22|39737.913|58106.637|58.774  
 E22|39737.913|58106.637|58.774  
 E22|41096.08|49185.36|113.45  
 E220|39034.821|54928.043|83.392  
 E220|41933.288|45453.289|99.45  
 E220|41933.288|45453.289|99.45  
 E221|39041.511|54909.231|84.054  
 E221|41944.743|45436.9|99.768  
 E221|41944.743|45436.9|99.768  
 E222|39048.207|54890.403|84.665  
 E222|41956.227|45420.468|100.027  
 E222|41956.227|45420.468|100.027  
 E223|39054.876|54871.653|85.429  
 E223|41967.694|45404.06|100.569  
 E223|41967.694|45404.06|100.569  
 E224|39061.574|54852.818|85.887

E224|41979.128|45387.7|100.385  
 E224|41979.128|45387.7|100.385  
 E225|39068.253|54834.037|86.591  
 E225|41990.595|45371.293|100.355  
 E225|41990.595|45371.293|100.355  
 E226|39074.906|54815.329|87.224  
 E226|42002.025|45354.938|100.504  
 E226|42002.025|45354.938|100.504  
 E227|39081.571|54796.588|87.82  
 E227|42013.499|45338.521|100.678  
 E227|42013.499|45338.521|100.678  
 E228|39088.276|54777.739|88.391  
 E228|42024.936|45322.152|101.519  
 E228|42024.936|45322.152|101.519  
 E229|39094.946|54758.979|89.029  
 E229|42036.38|45305.777|101.668  
 E229|42036.38|45305.777|101.668  
 E23|39743.516|58087.427|59.438  
 E23|39743.516|58087.427|59.438  
 E23|41089.022|49166.619|113.161  
 E230|39101.602|54740.263|89.653  
 E230|42047.385|45289.266|101.311  
 E230|42047.385|45289.266|101.311  
 E231|39108.701|54720.541|90.34  
 E231|42057.21|45271.792|101.867  
 E231|42057.21|45271.792|101.867  
 E232|39116.258|54702.106|90.722  
 E232|42067.013|45254.357|101.866  
 E232|42067.013|45254.357|101.866  
 E233|39123.82|54683.807|91.203  
 E233|42076.83|45236.899|102.358  
 E233|42076.83|45236.899|102.358  
 E234|39131.442|54665.365|91.568  
 E234|42086.63|45219.47|100.689  
 E234|42086.63|45219.47|100.689  
 E235|39139.054|54646.945|92.035  
 E235|42096.447|45202.01|101.057  
 E235|42096.447|45202.01|101.057  
 E236|39146.634|54628.603|92.194  
 E236|42105.182|45184.167|100.794  
 E236|42105.182|45184.167|100.794  
 E237|39154.23|54610.227|92.661  
 E237|42112.744|45165.647|100.808  
 E237|42112.744|45165.647|100.808  
 E238|39161.865|54591.752|93.318  
 E238|42120.309|45147.119|101.411  
 E238|42120.309|45147.119|101.411  
 E239|39169.451|54573.393|93.54  
 E239|42127.876|45128.588|101.923  
 E239|42127.876|45128.588|101.923  
 E24|39749.117|58068.225|59.952  
 E24|39749.117|58068.225|59.952  
 E24|41081.968|49147.887|112.515  
 E240|39173.504|54553.609|93.692  
 E240|42135.444|45110.05|101.79  
 E240|42135.444|45110.05|101.79  
 E241|39172.683|54533.651|93.641  
 E241|42143.752|45091.925|102.481  
 E241|42143.752|45091.925|102.481  
 E242|39171.868|54513.82|93.364  
 E242|42153.055|45074.183|102.634  
 E242|42153.055|45074.183|102.634  
 E243|39171.052|54493.964|93.185  
 E243|42162.343|45056.469|102.514

E243|42162.343|45056.469|102.514  
 E244|39170.236|54474.118|93.038  
 E244|42171.637|45038.742|102.932  
 E244|42171.637|45038.742|102.932  
 E245|39169.419|54454.259|92.78  
 E245|42180.933|45021.014|103.107  
 E245|42180.933|45021.014|103.107  
 E246|39168.602|54434.388|92.491  
 E246|42190.206|45003.329|103.406  
 E246|42190.206|45003.329|103.406  
 E247|39167.787|54414.58|92.233  
 E247|42199.479|44985.642|104.15  
 E247|42199.479|44985.642|104.15  
 E248|39166.971|54394.701|91.822  
 E248|42208.772|44967.919|104.27  
 E248|42208.772|44967.919|104.27  
 E249|39166.154|54374.83|91.463  
 E249|42218.057|44950.211|104.749  
 E249|42218.057|44950.211|104.749  
 E25|39755.094|58049.429|60.545  
 E25|39755.094|58049.429|60.545  
 E25|41074.922|49129.179|111.869  
 E250|39165.335|54354.936|90.965  
 E250|42226.982|44932.294|104.968  
 E250|42226.982|44932.294|104.968  
 E251|39164.521|54335.127|90.408  
 E251|42235.087|44914.023|105.084  
 E251|42235.087|44914.023|105.084  
 E252|39164.22|54313.852|89.851  
 E252|42243.196|44895.747|105.536  
 E252|42243.196|44895.747|105.536  
 E253|39164.22|54293.854|89.382  
 E253|42251.306|44877.467|105.575  
 E253|42251.306|44877.467|105.575  
 E254|39164.22|54273.96|88.909  
 E254|42259.425|44859.167|105.74  
 E254|42259.425|44859.167|105.74  
 E255|39164.219|54254.082|88.318  
 E255|42267.546|44840.866|106.002  
 E255|42267.546|44840.866|106.002  
 E256|39164.218|54234.226|87.914  
 E256|42275.671|44822.552|106.227  
 E256|42275.671|44822.552|106.227  
 E257|39164.217|54214.386|87.478  
 E257|42283.791|44804.251|106.588  
 E257|42283.791|44804.251|106.588  
 E258|39164.217|54194.505|87.155  
 E258|42291.881|44786.015|106.955  
 E258|42291.881|44786.015|106.955  
 E259|39164.216|54174.624|86.731  
 E259|42299.995|44767.728|107.668  
 E259|42299.995|44767.728|107.668  
 E26|39761.177|58030.346|61.094  
 E26|39761.177|58030.346|61.094  
 E26|39767.255|58011.281|61.094  
 E26|41067.875|49110.463|112.052  
 E260|39164.216|54154.803|86.413  
 E260|42308.11|44749.436|107.997  
 E260|42308.11|44749.436|107.997  
 E261|39164.215|54134.871|86.773  
 E261|42316.214|44731.173|108.226  
 E261|42316.214|44731.173|108.226  
 E262|39164.215|54114.911|86.985  
 E262|42324.312|44712.919|108.69

E262|42324.312|44712.919|108.69  
 E263|39165.296|54093.912|86.784  
 E263|42332.427|44694.628|108.874  
 E263|42332.427|44694.628|108.874  
 E264|39167.757|54074.179|86.732  
 E264|42340.548|44676.324|109.621  
 E264|42340.548|44676.324|109.621  
 E265|39170.212|54054.494|86.704  
 E265|42348.656|44658.051|110.395  
 E265|42348.656|44658.051|110.395  
 E266|39172.681|54034.693|86.651  
 E266|42353.727|44639.446|110.916  
 E266|42353.727|44639.446|110.916  
 E267|39175.14|54014.971|86.823  
 E267|42352.013|44619.463|111.901  
 E267|42352.013|44619.463|111.901  
 E268|39177.597|53995.269|86.904  
 E268|42350.305|44599.563|113.087  
 E268|42350.305|44599.563|113.087  
 E269|39179.984|53975.451|87.161  
 E269|42348.597|44579.642|114.751  
 E269|42348.597|44579.642|114.751  
 E27|39767.255|58011.281|61.094  
 E27|41060.828|49091.755|111.932  
 E270|39182.517|53955.814|87.236  
 E270|42346.893|44559.772|117.008  
 E270|42346.893|44559.772|117.008  
 E271|39184.982|53936.049|87.528  
 E271|42345.189|44539.913|118.472  
 E271|42345.189|44539.913|118.472  
 E272|39193.611|53914.296|87.754  
 E272|42341.7|44520.54|119.746  
 E272|42341.7|44520.54|119.746  
 E273|39203.365|53897.129|88.622  
 E273|42336.899|44501.113|119.247  
 E273|42336.899|44501.113|119.247  
 E274|39213.168|53879.875|88.806  
 E274|42332.108|44481.724|119.258  
 E274|42332.108|44481.724|119.258  
 E275|39222.906|53862.736|89.306  
 E275|42327.614|44462.193|120.034  
 E275|42327.614|44462.193|120.034  
 E276|39232.745|53845.421|89.582  
 E276|42331.996|44442.752|119.522  
 E276|42331.996|44442.752|119.522  
 E277|39243.833|53831.752|89.89  
 E277|42336.394|44423.242|118.798  
 E277|42336.394|44423.242|118.798  
 E278|39258.73|53818.717|89.899  
 E278|42340.789|44403.742|118.656  
 E278|42340.789|44403.742|118.656  
 E279|39273.587|53805.716|89.651  
 E279|42345.171|44384.302|118.985  
 E279|42345.171|44384.302|118.985  
 E28|39773.335|57992.205|61.826  
 E28|39773.335|57992.205|61.826  
 E28|39779.418|57973.125|61.826  
 E28|41053.786|49073.054|111.777  
 E280|39288.466|53792.697|89.442  
 E280|42349.571|44364.785|118.92  
 E280|42349.571|44364.785|118.92  
 E281|39303.358|53779.665|89.261  
 E281|42353.96|44345.32|119.26  
 E281|42353.96|44345.32|119.26

E282|39318.235|53766.647|89.257  
 E282|42358.352|44325.832|120.356  
 E282|42358.352|44325.832|120.356  
 E283|39333.189|53753.562|89.427  
 E283|42362.731|44306.404|121.843  
 E283|42362.731|44306.404|121.843  
 E284|39347.985|53740.615|89.609  
 E284|42367.15|44286.8|122.604  
 E284|42367.15|44286.8|122.604  
 E285|39362.917|53727.548|89.398  
 E285|42372.121|44267.312|121.842  
 E285|42372.121|44267.312|121.842  
 E286|39377.809|53714.517|89.654  
 E286|42378.969|44248.474|121.54  
 E286|42378.969|44248.474|121.54  
 E287|39392.629|53701.55|90.048  
 E287|42385.796|44229.697|120.761  
 E287|42385.796|44229.697|120.761  
 E288|39407.497|53688.54|90.101  
 E288|42392.625|44210.91|120.196  
 E288|42392.625|44210.91|120.196  
 E289|39422.355|53675.538|90.344  
 E289|42399.466|44192.091|119.743  
 E289|42399.466|44192.091|119.743  
 E29|39779.418|57973.125|61.826  
 E29|41046.757|49054.387|111.959  
 E290|39437.301|53662.461|90.759  
 E290|42406.284|44173.336|119.223  
 E290|42406.284|44173.336|119.223  
 E291|39452.198|53649.426|91.422  
 E291|42413.504|44154.724|118.54  
 E291|42413.504|44154.724|118.54  
 E292|39467.12|53636.366|92.109  
 E292|42422.214|44136.752|118.029  
 E292|42422.214|44136.752|118.029  
 E293|39482.099|53623.26|92.699  
 E293|42430.933|44118.761|117.839  
 E293|42430.933|44118.761|117.839  
 E294|39497.014|53610.21|92.801  
 E294|42439.654|44100.769|117.546  
 E294|42439.654|44100.769|117.546  
 E295|39511.844|53597.235|93.675  
 E295|42448.385|44082.753|117.192  
 E295|42448.385|44082.753|117.192  
 E296|39526.769|53584.173|93.989  
 E296|42457.106|44064.757|116.721  
 E296|42457.106|44064.757|116.721  
 E297|39541.693|53571.114|94.345  
 E297|42465.837|44046.742|115.778  
 E297|42465.837|44046.742|115.778  
 E298|39556.575|53558.092|94.705  
 E298|42474.557|44028.75|115.373  
 E298|42474.557|44028.75|115.373  
 E299|39574.968|53541.939|95.29  
 E299|42483.258|44010.797|114.992  
 E299|42483.258|44010.797|114.992  
 E3|39631.446|58471.563|45.696  
 E3|39631.446|58471.563|45.696  
 E3|41137.093|49543.999|113.34  
 E30|39785.491|57954.072|62.058  
 E30|39785.491|57954.072|62.058  
 E30|41039.744|49035.768|111.886  
 E300|39589.15|53528.084|95.825  
 E300|42491.967|43992.83|114.791

E300|42491.967|43992.83|114.791  
 E301|39603.309|53514.251|96.166  
 E301|42500.69|43974.829|115.402  
 E301|42500.69|43974.829|115.402  
 E302|39617.426|53500.461|96.478  
 E302|42509.475|43956.716|115.711  
 E302|42509.475|43956.716|115.711  
 E303|39631.606|53486.607|97.279  
 E303|42518.551|43938.717|114.963  
 E303|42518.551|43938.717|114.963  
 E304|39645.787|53472.753|97.422  
 E304|42527.545|43920.885|115.269  
 E304|42527.545|43920.885|115.269  
 E305|39659.873|53458.993|97.74  
 E305|42536.546|43903.036|114.545  
 E305|42536.546|43903.036|114.545  
 E306|39674.009|53445.183|98.09  
 E306|42545.56|43885.162|114.609  
 E306|42545.56|43885.162|114.609  
 E307|39688.22|53431.299|98.637  
 E307|42554.562|43867.314|114.259  
 E307|42554.562|43867.314|114.259  
 E308|39702.349|53417.496|98.92  
 E308|42563.556|43849.477|114.514  
 E308|42563.556|43849.477|114.514  
 E309|39716.543|53403.63|99.362  
 E309|42572.593|43831.809|114.737  
 E309|42572.593|43831.809|114.737  
 E31|39791.557|57935.042|62.324  
 E31|39791.557|57935.042|62.324  
 E31|41038.552|49015.869|111.806  
 E310|39730.604|53389.893|99.517  
 E310|42581.732|43814.118|113.141  
 E310|42581.732|43814.118|113.141  
 E311|39744.699|53376.122|99.96  
 E311|42590.848|43796.471|112.102  
 E311|42590.848|43796.471|112.102  
 E312|39758.901|53362.248|100.465  
 E312|42599.991|43778.773|110.819  
 E312|42599.991|43778.773|110.819  
 E313|39773.059|53348.417|101.113  
 E313|42609.173|43760.998|109.81  
 E313|42609.173|43760.998|109.81  
 E314|39787.214|53334.59|101.747  
 E314|42618.329|43743.277|109.39  
 E314|42618.329|43743.277|109.39  
 E315|39801.405|53320.728|101.922  
 E315|42627.497|43725.529|108.474  
 E315|42627.497|43725.529|108.474  
 E316|39815.598|53306.863|102.234  
 E316|42636.54|43708.023|108.245  
 E316|42636.54|43708.023|108.245  
 E317|39829.751|53293.036|102.6  
 E317|42645.682|43690.325|108.327  
 E317|42645.682|43690.325|108.327  
 E318|39843.909|53279.204|102.749  
 E318|42654.868|43672.544|108.004  
 E318|42654.868|43672.544|108.004  
 E319|39861.117|53262.392|103.171  
 E319|42664.053|43654.764|107.924  
 E319|42664.053|43654.764|107.924  
 E32|39797.699|57914.943|62.419  
 E32|39797.699|57914.943|62.419  
 E32|41037.406|48995.89|111.752

E320|39871.616|53245.612|103.014  
 E320|42673.224|43637.01|108.373  
 E320|42673.224|43637.01|108.373  
 E321|39881.661|53228.633|103.371  
 E321|42682.383|43619.281|109.196  
 E321|42682.383|43619.281|109.196  
 E322|39891.702|53211.662|103.375  
 E322|42691.552|43601.53|109.916  
 E322|42691.552|43601.53|109.916  
 E323|39901.717|53194.736|103.516  
 E323|42700.716|43583.793|111.428  
 E323|42700.716|43583.793|111.428  
 E324|39911.799|53177.696|103.672  
 E324|42709.887|43566.039|112.636  
 E324|42709.887|43566.039|112.636  
 E325|39921.851|53160.707|103.848  
 E325|42719.078|43548.251|112.161  
 E325|42719.078|43548.251|112.161  
 E326|39931.882|53143.751|103.997  
 E326|42728.556|43529.706|114.708  
 E326|42728.556|43529.706|114.708  
 E327|39941.936|53126.758|103.865  
 E327|42737.445|43511.785|114.711  
 E327|42737.445|43511.785|114.711  
 E328|42746.311|43493.911|114.653  
 E328|42746.311|43493.911|114.653  
 E328=PI42|39953.171|53107.77|104.067  
 E329|39959.692|53089.115|103.781  
 E329|42755.201|43475.99|114.46  
 E329|42755.201|43475.99|114.46  
 E33|39803.238|57895.726|62.329  
 E33|39803.238|57895.726|62.329  
 E33|41036.261|48975.945|111.654  
 E330|39966.222|53070.431|103.873  
 E330|42764.052|43458.144|114.291  
 E330|42764.052|43458.144|114.291  
 E331|39972.733|53051.807|103.872  
 E331|42772.944|43440.221|113.893  
 E331|42772.944|43440.221|113.893  
 E332|39979.224|53033.234|103.7  
 E332|42781.831|43422.303|113.822  
 E332|42781.831|43422.303|113.822  
 E333|39985.775|53014.494|103.372  
 E333|42790.71|43404.402|113.592  
 E333|42790.71|43404.402|113.592  
 E334|39992.78|52994.526|103.096  
 E334|42799.554|43386.572|113.504  
 E334|42799.554|43386.572|113.504  
 E335|39999.517|52975.97|102.783  
 E335|42808.416|43368.707|113.142  
 E335|42808.416|43368.707|113.142  
 E336|40006.261|52957.392|102.263  
 E336|42817.279|43350.838|112.69  
 E336|42817.279|43350.838|112.69  
 E337|40012.966|52938.926|101.977  
 E337|42826.177|43332.903|112.295  
 E337|42826.177|43332.903|112.295  
 E338|40019.712|52920.344|101.528  
 E338|42834.975|43314.606|111.699  
 E338|42834.975|43314.606|111.699  
 E339|40026.464|52901.748|101.33  
 E339|42843.348|43296.443|110.725  
 E339|42843.348|43296.443|110.725  
 E34|39808.776|57876.516|62.352

E34|39808.776|57876.516|62.352  
 E34|41035.113|48955.937|111.512  
 E340|40033.244|52883.074|100.73  
 E340|42851.724|43278.277|109.239  
 E340|42851.724|43278.277|109.239  
 E341|40039.955|52864.589|100.285  
 E341|42860.132|43260.042|107.746  
 E341|42860.132|43260.042|107.746  
 E342|40046.734|52845.915|100.356  
 E342|42868.484|43241.929|105.834  
 E342|42868.484|43241.929|105.834  
 E343|40053.46|52827.389|100.211  
 E343|42876.841|43223.805|104.101  
 E343|42876.841|43223.805|104.101  
 E344|40060.169|52808.911|99.913  
 E344|42885.22|43205.629|102.976  
 E344|42885.22|43205.629|102.976  
 E345|40066.907|52790.349|98.187  
 E345|42893.626|43187.397|102.179  
 E345|42893.626|43187.397|102.179  
 E346|40073.663|52771.742|98.204  
 E346|42902.018|43169.196|101.37  
 E346|42902.018|43169.196|101.37  
 E347|40080.356|52753.308|97.009  
 E347|42910.443|43150.927|100.911  
 E347|42910.443|43150.927|100.911  
 E348|40089.45|52731.973|97.988  
 E348|42918.92|43132.542|100.778  
 E348|42918.92|43132.542|100.778  
 E349|40102.448|52717.009|99.021  
 E349|42927.334|43114.293|103.027  
 E349|42927.334|43114.293|103.027  
 E35|39814.315|57857.302|62.462  
 E35|39814.315|57857.302|62.462  
 E35|41033.968|48935.971|111.325  
 E350|40115.462|52702.026|99.106  
 E350|42935.724|43096.097|102.786  
 E350|42935.724|43096.097|102.786  
 E351|40128.368|52687.167|100.021  
 E351|42944.112|43077.903|102.139  
 E351|42944.112|43077.903|102.139  
 E352|40141.232|52672.357|100.955  
 E352|42952.488|43059.738|102.153  
 E352|42952.488|43059.738|102.153  
 E353|40154.179|52657.451|101.386  
 E353|42960.89|43041.514|102.688  
 E353|42960.89|43041.514|102.688  
 E354|40167.137|52642.536|101.312  
 E354|42969.252|43023.379|104.124  
 E354|42969.252|43023.379|104.124  
 E355|40181.763|52626.819|100.045  
 E355|42977.72|43005.017|105.381  
 E355|42977.72|43005.017|105.381  
 E356|40195.447|52612.606|100.453  
 E356|42986.119|42986.798|106.056  
 E356|42986.119|42986.798|106.056  
 E357|40209.228|52598.295|100.897  
 E357|42999.246|42974.332|107.324  
 E357|42999.246|42974.332|107.324  
 E358|40222.905|52584.091|102.215  
 E358|43018.511|42974.93|107.376  
 E358|43018.511|42974.93|107.376  
 E359|40236.569|52569.898|102.717  
 E359|43038.258|42978.104|106.819

E359|43038.258|42978.104|106.819  
 E36|39819.855|57838.085|62.268  
 E36|39819.855|57838.085|62.268  
 E36|41032.823|48916.016|111.308  
 E360|40250.291|52555.648|103.349  
 E360|43058.009|42981.279|107.827  
 E360|43058.009|42981.279|107.827  
 E361|40263.995|52541.416|103.875  
 E361|43077.806|42984.462|107.819  
 E361|43077.806|42984.462|107.819  
 E362|40277.678|52527.206|104.708  
 E362|43097.502|42987.629|107.877  
 E362|43097.502|42987.629|107.877  
 E363|40291.335|52513.023|105.136  
 E363|43117.233|42990.802|107.98  
 E363|43117.233|42990.802|107.98  
 E364|40305.068|52498.761|105.633  
 E364|43136.985|42993.977|108.315  
 E364|43136.985|42993.977|108.315  
 E365|40318.765|52484.535|106.059  
 E365|43156.729|42997.152|108.645  
 E365|43156.729|42997.152|108.645  
 E366|40332.444|52470.331|106.918  
 E366|43176.459|43000.324|108.665  
 E366|43176.459|43000.324|108.665  
 E367|40346.09|52456.157|107.306  
 E367|43196.191|43003.497|108.629  
 E367|43196.191|43003.497|108.629  
 E368|40359.838|52441.88|107.913  
 E368|43215.942|43006.672|108.625  
 E368|43215.942|43006.672|108.625  
 E369|40373.577|52427.611|108.424  
 E369|43235.598|43009.832|108.594  
 E369|43235.598|43009.832|108.594  
 E37|39825.385|57818.902|62.205  
 E37|39825.385|57818.902|62.205  
 E37|41031.679|48896.08|111.172  
 E370|40387.239|52413.423|109.395  
 E370|43255.328|43013.003|108.583  
 E370|43255.328|43013.003|108.583  
 E371|40400.913|52399.223|110.074  
 E371|43275.131|43016.187|108.693  
 E371|43275.131|43016.187|108.693  
 E372|40414.531|52385.08|110.372  
 E372|43294.866|43019.36|109.153  
 E372|43294.866|43019.36|109.153  
 E373|40428.223|52370.86|111.114  
 E373|43314.568|43022.527|109.433  
 E373|43314.568|43022.527|109.433  
 E374|40444.115|52352.243|111.408  
 E374|43334.242|43025.691|109.444  
 E374|43334.242|43025.691|109.444  
 E375|40456.159|52336.454|112.285  
 E375|43354.2|43029.035|110.082  
 E375|43354.2|43029.035|110.082  
 E376|40468.142|52320.745|112.508  
 E376|43373.964|43032.505|110.078  
 E376|43373.964|43032.505|110.078  
 E377|40480.093|52305.077|113.307  
 E377|43393.622|43035.957|110.697  
 E377|43393.622|43035.957|110.697  
 E378|40492.063|52289.388|113.839  
 E378|43413.189|43039.393|110.929  
 E378|43413.189|43039.393|110.929

E379|40504.115|52273.588|114.444  
 E379|43432.876|43042.849|111.536  
 E379|43432.876|43042.849|111.536  
 E38|39830.924|57799.686|62.215  
 E38|39830.924|57799.686|62.215  
 E38|41030.533|48876.109|111.013  
 E380|40515.406|52255.847|114.824  
 E380|43452.578|43046.575|112.019  
 E380|43452.578|43046.575|112.019  
 E381|40525.888|52238.991|114.981  
 E381|43472.16|43050.544|112.718  
 E381|43472.16|43050.544|112.718  
 E382|40535.623|52220.814|115.372  
 E382|43491.736|43054.512|113.154  
 E382|43491.736|43054.512|113.154  
 E383|40542.182|52202.115|115.174  
 E383|43511.365|43058.49|113.67  
 E383|43511.365|43058.49|113.67  
 E384|40548.709|52183.51|115.043  
 E384|43530.986|43062.469|114.416  
 E384|43530.986|43062.469|114.416  
 E385|40555.285|52164.763|115.06  
 E385|43550.597|43066.443|115.184  
 E385|43550.597|43066.443|115.184  
 E386|40561.866|52146.003|114.766  
 E386|43570.176|43070.412|115.664  
 E386|43570.176|43070.412|115.664  
 E387|40568.466|52127.188|114.607  
 E387|43589.763|43073.822|116.467  
 E387|43589.763|43073.822|116.467  
 E388|40574.977|52108.626|114.801  
 E388|43609.555|43076.463|117.371  
 E388|43609.555|43076.463|117.371  
 E389|40581.567|52089.837|115.075  
 E389|43627.798|43083.653|117.983  
 E389|43627.798|43083.653|117.983  
 E39|39836.46|57780.479|62.119  
 E39|39836.46|57780.479|62.119  
 E39|41029.388|48856.135|110.851  
 E390|40588.124|52071.144|115.168  
 E390|43644.712|43094.346|118.17  
 E390|43644.712|43094.346|118.17  
 E391|40591.466|52058.527|115.109  
 E392|40596.088|52039.283|115.003  
 E393|40600.727|52019.975|114.645  
 E394|40603.838|51999.98|113.936  
 E395|40604.727|51980.017|113.713  
 E396|40605.608|51960.195|113.66  
 E397|40606.488|51940.414|113.691  
 E398|40607.372|51920.54|113.198  
 E399|40608.257|51900.682|112.747  
 E4|39637.047|58452.373|45.031  
 E4|39637.047|58452.373|45.031  
 E4|41143.83|49525.302|115.715  
 E40|39842.001|57761.258|62.092  
 E40|39842.001|57761.258|62.092  
 E40|41028.242|48836.165|110.646  
 E400|40609.139|51880.855|112.663  
 E401|40610.018|51861.112|112.325  
 E402|40610.9|51841.26|111.905  
 E403|40611.775|51821.589|111.434  
 E404|40612.658|51801.763|111.166  
 E405|40613.535|51782.072|111.22  
 E406|40614.509|51760.181|111.283

E407|40621.043|51741.41|111.607  
 E408|40627.801|51722.716|111.643  
 E409|40634.559|51704.018|111.905  
 E41|39847.575|57741.922|61.948  
 E41|39847.575|57741.922|61.948  
 E41|41027.098|48816.231|110.271  
 E410|40641.306|51685.351|112.446  
 E411|40648.057|51666.676|112.889  
 E412|40654.834|51647.924|113.047  
 E413|40661.58|51629.263|110.896  
 E414|40668.369|51610.478|111.09  
 E415|40675.107|51591.837|111.745  
 E416|40681.861|51573.156|112.175  
 E417|40688.619|51554.457|112.742  
 E418|40695.379|51535.755|113.128  
 E419|40703.12|51515.87|113.361  
 E42|39852.83|57722.628|61.95  
 E42|39852.83|57722.628|61.95  
 E42|41025.951|48796.239|110.126  
 E420|40710.708|51497.52|113.634  
 E421|40718.285|51479.111|114.085  
 E422|40725.888|51460.683|114.768  
 E423|40733.462|51442.325|115.313  
 E424|40741.053|51423.922|116.055  
 E425|40748.643|51405.525|116.694  
 E426|40756.242|51387.107|117.355  
 E427|40763.855|51368.654|118.017  
 E428|40771.445|51350.257|118.912  
 E429|40779.071|51331.771|119.486  
 E43|39857.61|57703.275|61.794  
 E43|39857.61|57703.275|61.794  
 E43|41024.807|48776.312|109.873  
 E430|40786.644|51313.418|119.94  
 E431|40794.276|51294.918|120.472  
 E432|40797.96|51274.618|120.871  
 E433|40798.352|51254.767|121.168  
 E434|40798.746|51234.85|121.3  
 E435|40799.139|51214.968|121.514  
 E436|40799.533|51195.09|121.592  
 E437|40798.721|51174.739|121.344  
 E438|40794.805|51155.172|121.036  
 E439|40790.902|51135.676|120.726  
 E44|39862.422|57683.791|61.486  
 E44|39862.422|57683.791|61.486  
 E44|41023.664|48756.378|109.603  
 E44|41023.664|48756.378|109.603  
 E440|40787.006|51116.21|120.349  
 E441|40783.108|51096.729|120.107  
 E442|40779.207|51077.232|119.671  
 E443|40775.27|51057.558|119.503  
 E444|40771.364|51038.042|119.137  
 E445|40767.454|51018.507|118.948  
 E446|40763.552|50999.01|118.723  
 E447|40759.667|50979.599|118.58  
 E448|40755.769|50960.121|118.448  
 E449|40751.875|50940.665|118.229  
 E45|39867.211|57664.397|61.498  
 E45|39867.211|57664.397|61.498  
 E45|41024.439|48736.237|109.568  
 E45|41024.439|48736.237|109.568  
 E450|40747.948|50921.042|118.01  
 E451|40744.042|50901.523|117.819  
 E452|40740.141|50882.035|117.527  
 E453|40736.241|50862.535|117.252

E454|40731.64|50841.383|116.846  
 E455|40726.983|50822.107|116.419  
 E456|40722.29|50802.69|115.999  
 E457|40717.619|50783.365|115.604  
 E458|40712.976|50764.149|114.932  
 E459|40708.297|50744.79|114.543  
 E46|39872.455|57643.132|61.217  
 E46|39872.455|57643.132|61.217  
 E46|41025.642|48716.311|109.198  
 E46|41025.642|48716.311|109.198  
 E460|40703.641|50725.524|113.998  
 E461|40698.945|50706.091|113.27  
 E462|40694.285|50686.81|112.645  
 E463|40689.623|50667.518|112.026  
 E465|40680.3|50628.938|110.959  
 E466|40675.617|50609.56|110.531  
 E467|40670.94|50590.203|109.999  
 E468|40666.261|50570.841|109.6  
 E469|40661.624|50551.655|108.379  
 E47|39877.253|57623.644|60.486  
 E47|39877.253|57623.644|60.486  
 E47|41026.848|48696.344|108.933  
 E47|41026.848|48696.344|108.933  
 E470|40659.33|50530.069|108.141  
 E471|40659.623|50510.25|107.97  
 E472|40659.916|50490.288|107.572  
 E473|40660.209|50470.41|107.147  
 E474|40660.501|50450.659|106.505  
 E475|40660.793|50430.862|105.994  
 E476|40661.085|50411.01|105.474  
 E477|40661.377|50391.24|104.902  
 E478|40661.669|50371.377|104.448  
 E479|40661.961|50351.568|104.303  
 E48|39882.044|57604.181|60.132  
 E48|39882.044|57604.181|60.132  
 E48|41028.052|48676.401|108.572  
 E48|41028.052|48676.401|108.572  
 E480|40662.253|50331.718|103.724  
 E481|40662.547|50311.838|103.412  
 E482|40662.84|50291.98|102.777  
 E483|40663.134|50271.999|101.968  
 E484|40663.427|50252.058|101.738  
 E485|40663.72|50232.217|101.544  
 E486|40664.016|50212.316|101.384  
 E487|40664.308|50192.434|101.195  
 E488|40664.6|50172.621|100.95  
 E489|40664.892|50152.783|101.027  
 E49|39886.839|57584.703|59.501  
 E49|39886.839|57584.703|59.501  
 E49|41029.256|48656.457|108.305  
 E49|41029.256|48656.457|108.305  
 E490|40665.761|50130.089|101.002  
 E491|40671.508|50110.92|101.052  
 E492|40677.229|50091.84|101.194  
 E493|40682.951|50072.754|101.44  
 E494|40688.665|50053.695|101.409  
 E495|40694.384|50034.62|101.206  
 E496|40700.094|50015.573|101.545  
 E497|40705.791|49996.572|101.689  
 E498|40711.512|49977.489|101.309  
 E499|40717.233|49958.404|100.81  
 E5|39642.636|58433.222|44.891  
 E5|39642.636|58433.222|44.891  
 E5|41150.561|49506.619|117.489

E50|39891.633|57565.227|58.844  
 E50|39891.633|57565.227|58.844  
 E50|41030.461|48636.508|108.097  
 E50|41030.461|48636.508|108.097  
 E500=PI58|40723.19|49938.542|101.128  
 E501|40733.448|49921.359|101.296  
 E502|40745.997|49906.299|100.941  
 E503|40761.033|49893.184|101.586  
 E504|40775.967|49880.157|102.23  
 E505|40791.04|49867.01|102.25  
 E506|40806.006|49853.956|103.231  
 E507|40821.031|49840.85|104.231  
 E508|40836.022|49827.776|104.726  
 E509|40850.979|49814.728|105.16  
 E51|39896.416|57545.798|58.219  
 E51|39896.416|57545.798|58.219  
 E51|41031.663|48616.585|107.866  
 E51|41031.663|48616.585|107.866  
 E510|40865.973|49801.65|105.71  
 E511|40880.834|49788.687|106.456  
 E512|40895.81|49775.625|107.078  
 E513|40910.819|49762.533|107.825  
 E514|40925.86|49749.413|108.355  
 E515|40940.853|49736.336|109.03  
 E516|40955.876|49723.231|109.442  
 E517|40970.895|49710.131|110.012  
 E518|40985.902|49697.042|110.335  
 E519|41000.988|49683.882|110.564  
 E52|39901.214|57526.307|57.159  
 E52|39901.214|57526.307|57.159  
 E52|41032.867|48596.645|107.407  
 E52|41032.867|48596.645|107.407  
 E520|41016.044|49670.75|110.616  
 E521|41032.433|49656.389|110.769  
 E522|41047.448|49643.185|110.785  
 E523=PI61|41062.641|49629.824|110.416  
 E524|41080.07|49620.424|110.588  
 E525|41097.592|49610.976|110.882  
 E526|41115.287|49601.433|111.496  
 E527|41123.509|49581.7|111.663  
 E528|41130.312|49562.818|111.999  
 E529|41137.093|49543.999|113.34  
 E53|39906.004|57506.851|57.667  
 E53|39906.004|57506.851|57.667  
 E53|41034.07|48576.738|107.173  
 E53|41034.07|48576.738|107.173  
 E530|41143.83|49525.302|115.715  
 E531|41150.561|49506.619|117.489  
 E532|41154.674|49486.959|116.065  
 E533|41158.513|49467.353|115.396  
 E534|41162.365|49447.675|115.448  
 E535|41166.226|49427.955|115.358  
 E536|41170.063|49408.358|115.67  
 E537|41173.925|49388.624|115.868  
 E538|41177.778|49368.951|116.306  
 E539|41178.24|49350.084|117.001  
 E54|39910.784|57487.431|58.313  
 E54|39910.784|57487.431|58.313  
 E54|41035.27|48556.868|106.76  
 E54|41035.27|48556.868|106.76  
 E540|41168.93|49332.392|116.941  
 E541|41159.615|49314.689|116.376  
 E542|41150.266|49296.921|116.431  
 E543|41140.95|49279.215|116.66

E544|41131.649|49261.538|116.479  
E545|41122.318|49243.805|115.88  
E546|41112.999|49226.092|115.194  
E547|41103.141|49204.111|114.282  
E548|41096.08|49185.36|113.45  
E549|41089.022|49166.619|113.161  
E55|39915.577|57467.963|58.83  
E55|39915.577|57467.963|58.83  
E55|41036.476|48536.892|106.424  
E55|41036.476|48536.892|106.424  
E550|41081.968|49147.887|112.515  
E551|41074.922|49129.179|111.869  
E552|41067.875|49110.463|112.052  
E553|41060.828|49091.755|111.932  
E554|41053.786|49073.054|111.777  
E555|41046.757|49054.387|111.959  
E556|41039.744|49035.768|111.886  
E557|41038.552|49015.869|111.806  
E558|41037.406|48995.89|111.752  
E559|41036.261|48975.945|111.654  
E56|39920.357|57448.542|60.079  
E56|39920.357|57448.542|60.079  
E56|41037.681|48516.935|106.157  
E56|41037.681|48516.935|106.157  
E560|41035.113|48955.937|111.512  
E561|41033.968|48935.971|111.325  
E562|41032.823|48916.016|111.308  
E563|41031.679|48896.08|111.172  
E564|41030.533|48876.109|111.013  
E565|41029.388|48856.135|110.851  
E566|41028.242|48836.165|110.646  
E567|41027.098|48816.231|110.271  
E568|41025.951|48796.239|110.126  
E569|41024.807|48776.312|109.873  
E57|39925.153|57429.06|58.381  
E57|39925.153|57429.06|58.381  
E57|41038.888|48496.939|105.912  
E57|41038.888|48496.939|105.912  
E58|39929.943|57409.598|58.68  
E58|39929.943|57409.598|58.68  
E58|41040.096|48476.952|105.758  
E58|41040.096|48476.952|105.758  
E59|39934.736|57390.125|60.361  
E59|39934.736|57390.125|60.361  
E59|41041.298|48457.025|105.411  
E59|41041.298|48457.025|105.411  
E6|39648.251|58413.982|44.84  
E6|39648.251|58413.982|44.84  
E6|41154.674|49486.959|116.065  
E60|39939.581|57370.444|61.559  
E60|39939.581|57370.444|61.559  
E60|41042.506|48437.029|105.3  
E60|41042.506|48437.029|105.3  
E61|39944.374|57350.972|62.765  
E61|39944.374|57350.972|62.765  
E61|41043.714|48417.04|105.238  
E61|41043.714|48417.04|105.238  
E62|39949.197|57331.383|64.157  
E62|39949.197|57331.383|64.157  
E62|41044.914|48397.151|105.111  
E62|41044.914|48397.151|105.111  
E63|39953.976|57311.967|64.853  
E63|39953.976|57311.967|64.853  
E63|41046.121|48377.18|103.766

E63|41046.121|48377.18|103.766  
 E64|39958.768|57292.493|65.792  
 E64|39958.768|57292.493|65.792  
 E64|41047.326|48357.261|103.679  
 E64|41047.326|48357.261|103.679  
 E65|39963.35|57274.143|66.388  
 E65|39963.35|57274.143|66.388  
 E65|41053.786|48338.576|104.61  
 E65|41053.786|48338.576|104.61  
 E66|39968.237|57254.687|67.061  
 E66|39968.237|57254.687|67.061  
 E66|41063.321|48321.026|104.531  
 E66|41063.321|48321.026|104.531  
 E67|39973.117|57235.255|67.83  
 E67|39973.117|57235.255|67.83  
 E67|41072.853|48303.483|104.4  
 E67|41072.853|48303.483|104.4  
 E68|39977.995|57215.835|68.322  
 E68|39977.995|57215.835|68.322  
 E68|41082.359|48285.986|104.27  
 E68|41082.359|48285.986|104.27  
 E69|39982.87|57196.425|68.943  
 E69|39982.87|57196.425|68.943  
 E69|41091.886|48268.45|103.914  
 E69|41091.886|48268.45|103.914  
 E7|39653.838|58394.839|45.471  
 E7|39653.838|58394.839|45.471  
 E7|41158.513|49467.353|115.396  
 E70|39987.742|57177.024|69.464  
 E70|39987.742|57177.024|69.464  
 E70|41101.433|48250.877|103.6  
 E70|41101.433|48250.877|103.6  
 E71|39992.618|57157.613|69.922  
 E71|39992.618|57157.613|69.922  
 E71|41110.957|48233.348|103.428  
 E71|41110.957|48233.348|103.428  
 E72|39997.504|57138.155|70.644  
 E72|39997.504|57138.155|70.644  
 E72|41120.477|48215.824|103.534  
 E72|41120.477|48215.824|103.534  
 E73|40002.393|57118.693|71.063  
 E73|40002.393|57118.693|71.063  
 E73|41130.392|48198.02|103.299  
 E73|41130.392|48198.02|103.299  
 E74|40007.19|57099.593|71.486  
 E74|40007.19|57099.593|71.486  
 E74|41140.216|48180.617|103.444  
 E74|41140.216|48180.617|103.444  
 E75|40011.883|57080.202|71.919  
 E75|40011.883|57080.202|71.919  
 E75|41150.019|48163.252|103.475  
 E75|41150.019|48163.252|103.475  
 E76|40016.603|57060.698|72.382  
 E76|40016.603|57060.698|72.382  
 E76|41159.848|48145.844|103.421  
 E76|41159.848|48145.844|103.421  
 E77|40021.323|57041.19|72.771  
 E77|40021.323|57041.19|72.771  
 E77|41169.689|48128.411|103.036  
 E77|41169.689|48128.411|103.036  
 E78|40026.048|57021.665|73.112  
 E78|40026.048|57021.665|73.112  
 E78|41179.498|48111.034|103.112  
 E78|41179.498|48111.034|103.112

E79|40030.749|57002.24|73.373  
 E79|40030.749|57002.24|73.373  
 E79|41189.342|48093.598|102.239  
 E79|41189.342|48093.598|102.239  
 E8|39659.46|58375.575|46.279  
 E8|39659.46|58375.575|46.279  
 E8|41162.365|49447.675|115.448  
 E80|40035.449|56982.817|73.828  
 E80|40035.449|56982.817|73.828  
 E80|41199.174|48076.183|102.325  
 E80|41199.174|48076.183|102.325  
 E81|40040.169|56963.313|74.204  
 E81|40040.169|56963.313|74.204  
 E81|41209.018|48058.743|103.049  
 E81|41209.018|48058.743|103.049  
 E82|40044.88|56943.845|74.577  
 E82|40044.88|56943.845|74.577  
 E82|41218.83|48041.363|103.692  
 E82|41218.83|48041.363|103.692  
 E83|40049.58|56924.42|74.917  
 E83|40049.58|56924.42|74.917  
 E83|41228.644|48023.981|104.29  
 E83|41228.644|48023.981|104.29  
 E84|40054.273|56905.029|75.425  
 E84|40054.273|56905.029|75.425  
 E84|41238.454|48006.603|104.365  
 E84|41238.454|48006.603|104.365  
 E85|40058.993|56885.525|75.757  
 E85|40058.993|56885.525|75.757  
 E85|41248.266|47989.224|103.806  
 E85|41248.266|47989.224|103.806  
 E86|40063.697|56866.08|76.215  
 E86|40063.697|56866.08|76.215  
 E86|41258.077|47971.843|103.764  
 E86|41258.077|47971.843|103.764  
 E87|40068.407|56846.618|76.527  
 E87|40068.407|56846.618|76.527  
 E87|41267.912|47954.422|103.757  
 E87|41267.912|47954.422|103.757  
 E88|40073.098|56827.233|76.953  
 E88|40073.098|56827.233|76.953  
 E88|41277.726|47937.038|104.581  
 E88|41277.726|47937.038|104.581  
 E89|40077.814|56807.741|77.465  
 E89|40077.814|56807.741|77.465  
 E89|41287.553|47919.63|104.472  
 E89|41287.553|47919.63|104.472  
 E9|39665.061|58356.386|46.972  
 E9|39665.061|58356.386|46.972  
 E9|41166.226|49427.955|115.358  
 E90|40082.535|56788.228|77.894  
 E90|40082.535|56788.228|77.894  
 E90|41297.394|47902.2|105.208  
 E90|41297.394|47902.2|105.208  
 E91|40087.236|56768.803|78.373  
 E91|40087.236|56768.803|78.373  
 E91|41307.376|47884.634|106.164  
 E91|41307.376|47884.634|106.164  
 E92|40091.939|56749.366|78.78  
 E92|40091.939|56749.366|78.78  
 E92|41317.394|47867.295|106.347  
 E92|41317.394|47867.295|106.347  
 E93|40096.655|56729.877|79.221  
 E93|40096.655|56729.877|79.221

E93|41327.407|47849.964|106.369  
 E93|41327.407|47849.964|106.369  
 E94|40101.342|56710.511|79.761  
 E94|40101.342|56710.511|79.761  
 E94|41337.406|47832.656|106.621  
 E94|41337.406|47832.656|106.621  
 E95|40106.044|56691.077|80.047  
 E95|40106.044|56691.077|80.047  
 E95|41347.396|47815.366|106.788  
 E95|41347.396|47815.366|106.788  
 E96|40110.757|56671.601|80.334  
 E96|40110.757|56671.601|80.334  
 E96|41357.413|47798.066|106.589  
 E96|41357.413|47798.066|106.589  
 E97|40115.576|56652.779|80.398  
 E97|40115.576|56652.779|80.398  
 E97|41368.09|47781.186|104.657  
 E97|41368.09|47781.186|104.657  
 E98|40120.567|56633.388|80.118  
 E98|40120.567|56633.388|80.118  
 E98|41378.782|47764.295|104.209  
 E98|41378.782|47764.295|104.209  
 E99|40125.562|56613.98|79.556  
 E99|40125.562|56613.98|79.556  
 E99|41389.454|47747.435|104.039  
 E99|41389.454|47747.435|104.039  
 ES|39930.975|53099.902|92.201  
 ES|39933.621|53093.129|92.189  
 ES|40394.87|52409.435|98.438  
 ES|40403.688|52397.759|99.044  
 ES|40549.753|52142.793|103.504  
 ES|40552.207|52143.705|103.584  
 ES|40559.788|52124.287|103.117  
 FU|39601.829|58534.718|34.902  
 IG|40613.713|52067.083|105.063  
 IG|40614.436|52063.727|105.076  
 IG|40615.895|52071.05|105.079  
 IG|40616.664|52067.756|105.062  
 IG|40617.469|52064.447|105.108  
 IG|40618.31|52061.224|105.132  
 MB|39597.386|58562.377|40.539  
 MB|39598.047|58558.99|40.469  
 MF|40521.457|52226.061|103.929  
 MF|40530.984|52227.888|104.077  
 MF|40565.585|52109.394|103.224  
 MF|40584.792|52085.161|103.786  
 MF|40586.23|52081.082|103.831  
 MF|40591.706|52082.833|104.009  
 MF|40591.783|52066.408|103.98  
 MF|40593.553|52069.67|104.034  
 MF|40594.058|52001.939|102.778  
 MF|40596.672|52052.089|103.952  
 MF|40600.282|52050.426|103.909  
 MF|40600.454|52040.075|103.903  
 MF|40601.24|52035.693|104.113  
 MF|40606.197|52041.657|104.124  
 MF|40608.012|52004.394|102.945  
 MU|39732.361|53364.375|88.811  
 MU|39967.983|52986.817|91.102  
 MU|39975.204|52989.504|91.013  
 MU|40585.991|51743.473|99.097  
 MU|40591.79|51762.216|99.359  
 MU|40592.201|51745.964|99.411  
 MU|40618.577|51766.999|100.162

**PTS-TOTAL**

MU|40619.154|51759.782|100.2  
MU|40621.718|51760.355|100.331  
MU|40624.411|51734.645|100.359  
MU|40645.91|51684.713|101.107  
MU|40656.299|51652.886|101.751  
MUC|39678.786|53415.575|87.182  
MUC|40584.683|51969.401|102.604  
NA|39602.887|58532.758|36.247  
PC|39129.829|54571.933|82.631  
PC|39147.855|54002.788|75.208  
PC|39155.038|54140.594|75.364  
PC|39165.762|54348.555|79.699  
PC|39171.43|54458.451|81.738  
PC|39174.92|53889.499|76.567  
PC|39177.003|54564.746|82.565  
PC|39182.079|53872.862|77.077  
PC|39289.633|53780.236|78.187  
PC|39390.287|53685.299|78.909  
PC|39498.126|53583.243|81.858  
PC|39587.688|53497.956|84.589  
PC|39618.383|58530.218|37.649  
PC|39621.122|58520.222|38.438  
PC|39624.322|58511.069|37.502  
PC|39627.637|58500.914|36.903  
PC|39628.25|58533.504|38.544  
PC|39628.783|58521.757|37.75  
PC|39634.059|58514.28|37.692  
PC|39637.351|58503.288|36.789  
PC|39637.925|58535.314|39.495  
PC|39639.454|58524.539|39.349  
PC|39643.542|58516.051|37.77  
PC|39647.158|58538.045|39.552  
PC|39647.678|58504.639|36.315  
PC|39649.663|58527.428|38.86  
PC|39653.209|58517.797|38.205  
PC|39653.663|53435.598|86.49  
PC|39656.065|58505.926|36.159  
PC|39747.876|53345.917|89.132  
PC|39822.688|53275.323|90.944  
PC|39893.302|53225.486|92.441  
PC|39942.978|53113.337|92.586  
PC|39992.967|52998.32|91.986  
PC|39993.088|52998.01|92.012  
PC|40005.576|52969.956|91.797  
PC|40068.575|52826.676|90.046  
PC|40146.649|52649.345|89.448  
PC|40240.558|52563.442|91.535  
PC|40251.984|52538.291|92.596  
PC|40325.224|52461.154|95.864  
PC|40401.605|52380.635|98.744  
PC|40405.298|52335.977|99.641  
PC|40434.531|52346.399|99.68  
PC|40508.372|52268.364|103.471  
PC|40533.75|52199.87|103.678  
PC|40551.203|52235.571|104.505  
PC|40551.239|52151.866|103.566  
PC|40564.252|52116.047|103.183  
PC|40575.335|52076.652|103.715  
PC|40586.146|52037.425|103.642  
PC|40588.162|51968.342|102.486  
PC|40589.144|52245.816|105.196  
PC|40591.064|51820.957|99.976  
PC|40591.554|52011.946|103.175  
PC|40603.224|51724.391|99.675

PC|40618.086|51770.278|100.102  
 PC|40620.628|51678.868|100.569  
 PC|40624.436|51728.903|100.25  
 PC|40626.32|52261.172|105.965  
 PC|40641.845|51687.274|101.049  
 PC|40643.199|51632.543|101.552  
 PC|40643.645|50453.031|97.952  
 PC|40651.005|50355.08|95.525  
 PC|40653.603|50235.788|93.448  
 PC|40660.772|51640.994|102.068  
 PC|40664.046|50133.619|92.449  
 PC|40678.72|50077.906|92.515  
 PC|40679.928|51516.64|104.455  
 PC|40687.936|51520.924|104.435  
 PC|40693.025|49989.382|92.377  
 PC|40697.668|51471.879|105.133  
 PC|40705.154|51519.543|104.755  
 PC|40709.161|52295.064|107.456  
 PC|40719.21|51481.393|105.371  
 PC|40721.143|51413.642|107.306  
 PC|40728.756|51418.906|107.298  
 PC|40733.541|51442.601|106.597  
 PC|40739.052|51365.892|109.074  
 PC|40752.161|51330.825|110.453  
 PC|40753.495|51357.719|109.381  
 PC|40765.411|51327.458|110.523  
 PC|40770.881|51278.921|111.474  
 PC|40788.859|51229.343|112.73  
 PC|40803.964|51230.291|113.071  
 PE|39583.83|58554.639|40.454  
 PE|39587.09|58545.299|39.881  
 PE|39589.278|58545.169|39.814  
 PE|39592.207|58544.365|39.674  
 PE|39593.261|58542.105|39.659  
 PE|39596.304|58546.383|39.736  
 PE|39596.623|58547.683|40.003  
 PE|39597.309|58543.846|39.658  
 PE|39598.896|58522.197|39.353  
 PE|39598.912|58549.352|40.059  
 PE|39600.163|58526.809|39.514  
 PE|39600.892|58523.252|39.399  
 PE|39601.171|58524.396|39.351  
 PE|39604.134|58528.59|39.509  
 PE|39605.216|58526.229|39.351  
 PE|39608.581|58525.963|39.112  
 PI000|41116.662|49600.693|111.496  
 PI0001|38978.604|55689.868|83.616  
 PI0002|38952.653|55644.203|82.259  
 PI0003|38967.273|55569.529|81.08  
 PI0004|38983.059|55506.433|79.007  
 PI0005|38969.927|55193.582|76.634  
 PI0006|39019.139|54972.141|81.506  
 PI0007|39108.426|54721.057|90.294  
 PI0008|39173.877|54562.681|93.658  
 PI0009|39164.221|54328.004|90.283  
 PI000A|38961.369|55742.799|85.474  
 PI000B|41056.713|49576.229|115.741  
 PI0010|39164.211|54102.618|86.811  
 PI0011|39186.032|53927.635|87.58  
 PI0012|39237.224|53837.536|89.702  
 PI0013|39574.392|53542.502|95.266  
 PI0014|39862.47|53261.069|102.977  
 PI0015|39953.171|53107.77|104.067  
 PI0016|39992.105|52996.386|103.102

PI0017|40087.127|52734.648|97.769  
 PI0018|40171.756|52637.211|100.95  
 PI0019|40436.376|52362.388|111.362  
 PI0020|40505.523|52271.742|114.804  
 PI0021|40533.595|52226.595|115.42  
 PI0022|40589.108|52068.342|115.176  
 PI0023|40603.453|52008.626|114.116  
 PI0024|40614.546|51759.386|111.274  
 PI0025|40698.651|51526.703|113.031  
 PI0026|40797.723|51286.566|120.766  
 PI0027|40799.827|51180.263|121.426  
 PI0028|40733.738|50850.06|117.14  
 PI0029|40659.162|50541.49|108.328  
 PI0030|40665.188|50131.999|100.998  
 PI0031|40723.19|49938.542|101.128  
 PI0032|40738.571|49912.776|100.862  
 PI0033|41023.216|49664.493|110.633  
 PI0034|41062.641|49629.824|110.416  
 PI0100|40555.368|52242.521|116.202  
 PI0101|40742.109|52313.541|119.511  
 PI0102|40832.181|52364.901|124.637  
 PI0103|40906.409|52408.189|140.533  
 PI0104|40969.17|52505.332|158.303  
 PI0105|40996.259|52590.124|191.825  
 PI0106|41018.119|52651.296|215.791  
 PI0107|41036.051|52658.934|221.956  
 PI0108|41039.716|52669.317|225.29  
 PI0109|41024.442|52732.075|239.339  
 PI0110|41017.095|52769.769|242.993  
 PI1|38978.603|55689.872|83.616  
 PI1|39671.645|58333.786|48.167  
 PI1|41151.07|49505.223|117.511  
 PI10|40148.748|56523.87|76.718  
 PI10|41454.437|47644.773|105.491  
 PI11|40147.55|56505.342|75.977  
 PI11|41483.632|47578.18|103.661  
 PI12|39980.734|56364.499|78.185  
 PI12|41496.929|47519.967|103.935  
 PI13|39840.397|56366.228|82.28  
 PI13|41523.689|47276.783|102.905  
 PI14|39783.449|56357.678|84.316  
 PI14|41547.41|47140.854|101.668  
 PI15|39678.791|56333.635|87.866  
 PI15|41654.546|46905.116|106.045  
 PI16|39619.662|56312.8|88.896  
 PI16|41682.257|46716.646|108.283  
 PI17|39514.629|56283.425|89.389  
 PI17|41672.092|46604.835|107.894  
 PI18|39475.085|56259.437|89.013  
 PI18|41696.356|46397.732|104.88  
 PI19|39430.367|56226.743|88.212  
 PI19|41691.687|46191.26|103.004  
 PI2|39695.713|58222.201|54.564  
 PI2|39704.152|58222.38|54.564  
 PI2|41180.594|49354.56|116.833  
 PI20|39382.018|56159.624|86.599  
 PI20|41692.307|46065.874|101.489  
 PI21|39233.942|56107.532|86.14  
 PI21|41685.325|45944.16|98.995  
 PI22|39197.836|56081.192|86.605  
 PI22|41686.664|45871.153|98.478  
 PI23|39122.631|56023.099|87.572  
 PI23|41698.351|45814.428|98.13  
 PI24|39102.199|55993.063|87.617

PI24|39112.645|55993.236|87.617  
 PI24|41716.714|45763.172|98.286  
 PI24|41716.714|45763.172|98.286  
 PI25|39106.541|55941.41|87.156  
 PI25|39106.541|55941.41|87.156  
 PI25|42045.17|45293.205|101.678  
 PI25|42045.17|45293.205|101.678  
 PI26|39044.412|55816.985|85.505  
 PI26|39044.412|55816.985|85.505  
 PI26|42101.738|45192.601|101.08  
 PI26|42101.738|45192.601|101.08  
 PI27|39011.38|55739.306|84.351  
 PI27|39011.38|55739.306|84.351  
 PI27|42139.653|45099.743|102.459  
 PI27|42139.653|45099.743|102.459  
 PI28|38968.878|55692.644|83.616  
 PI28|42224.394|44938.125|104.876  
 PI28|42224.394|44938.125|104.876  
 PI29|38952.653|55644.203|82.259  
 PI29|42354.242|44645.458|110.77  
 PI29|42354.242|44645.458|110.77  
 PI3|39741.856|58064.513|59.977  
 PI3|39749.263|58067.721|59.977  
 PI3|41107.445|49215.54|114.769  
 PI30|38967.273|55569.529|81.08  
 PI30|42344.498|44531.863|119.019  
 PI30|42344.498|44531.863|119.019  
 PI31|38983.059|55506.433|79.007  
 PI31|42327.455|44462.894|120.096  
 PI31|42327.455|44462.894|120.096  
 PI32|38969.927|55193.582|76.634  
 PI32|42370.6|44271.497|121.948  
 PI32|42370.6|44271.497|121.948  
 PI33|39019.139|54972.141|81.506  
 PI33|42411.689|44158.469|118.54  
 PI33|42411.689|44158.469|118.54  
 PI34|39887.709|54720.706|90.294  
 PI34|42509.293|43957.078|115.67  
 PI34|42509.293|43957.078|115.67  
 PI35|39173.877|54562.681|93.658  
 PI35|42567.292|43842.071|114.79  
 PI35|42567.292|43842.071|114.79  
 PI36|39164.221|54328.004|90.283  
 PI36|42726.207|43534.442|114.642  
 PI36|42726.207|43534.442|114.642  
 PI37|39164.211|54102.618|86.811  
 PI37|42831.347|43322.474|112.076  
 PI37|42831.347|43322.474|112.076  
 PI38|39186.032|53927.635|87.58  
 PI38|42989.222|42980.057|106.535  
 PI38|42989.222|42980.057|106.535  
 PI39|39237.224|53837.536|89.702  
 PI39|43002.66|42972.381|107.497  
 PI39|43002.66|42972.381|107.497  
 PI4|39795.299|57923.267|62.325  
 PI4|39795.299|57923.267|62.325  
 PI4|41039.684|49035.608|111.881  
 PI40|39554.729|53542.151|95.266  
 PI40|43345.144|43027.445|109.884  
 PI40|43345.144|43027.445|109.884  
 PI41|39842.455|53261.069|102.977  
 PI41|43442.756|43044.584|111.692  
 PI41|43442.756|43044.584|111.692  
 PI42|43581.665|43072.741|116.185

PI42|43581.665|43072.741|116.185  
 PI43|39970.335|52997.087|103.102  
 PI43|43618.265|43077.625|117.704  
 PI43|43618.265|43077.625|117.704  
 PI44|40065.105|52734.648|97.769  
 PI44|43654.313|43100.416|118.594  
 PI44|43654.313|43100.416|118.594  
 PI45|40171.756|52637.211|100.95  
 PI46|40436.376|52362.300|111.362  
 PI47|40485.894|52271.742|114.804  
 PI48|40533.595|52226.595|115.42  
 PI49|40589.100|52068.342|115.176  
 PI5|39850.937|57730.295|61.927  
 PI5|39850.937|57730.295|61.927  
 PI5|41023.447|48752.657|109.637  
 PI5|41023.447|48752.657|109.637  
 PI50|40603.453|52008.626|114.116  
 PI51|40595.506|51759.306|111.274  
 PI52|40698.651|51526.703|113.031  
 PI53|40797.723|51286.566|120.766  
 PI54|40799.827|51180.263|121.426  
 PI55|40733.738|50850.06|117.14  
 PI56|40659.162|50541.49|108.328  
 PI57|40644.114|50133.618|100.998  
 PI59|40738.571|49912.776|100.862  
 PI6|39871.554|57646.794|61.047  
 PI6|39871.554|57646.794|61.047  
 PI6|41047.784|48349.625|104.223  
 PI6|41047.784|48349.625|104.223  
 PI60|41023.216|49664.493|110.633  
 PI62|41096.438|49597.974|111.496  
 PI63|41133.568|49505.223|117.511  
 PI64|41180.594|49354.56|116.833  
 PI65|41107.445|49215.54|114.769  
 PI66|41022.55|49035.857|111.881  
 PI7|39960.927|57283.792|66.037  
 PI7|39960.927|57283.792|66.037  
 PI7|41123.907|48209.508|103.457  
 PI7|41123.907|48209.508|103.457  
 PI8|39999.143|57095.071|71.555  
 PI8|40007.479|57098.402|71.555  
 PI8|41304.305|47889.951|105.943  
 PI8|41304.305|47889.951|105.943  
 PI9|40111.399|56669.005|80.355  
 PI9|40111.399|56669.005|80.355  
 PI9|41357.233|47798.339|106.577  
 PI9|41357.233|47798.339|106.577  
 PIA|38961.369|55742.799|85.474  
 PIA|38961.369|55742.799|85.474  
 PO|39016.518|55765.042|73.746  
 PO|39019.975|55762.722|73.806  
 PO|39192.692|54566.23|82.591  
 PO|39194.133|54562.9|82.559  
 PO|41119.37|49599.507|97.471  
 PO|41121.416|49596.862|97.51  
 PO|41178.136|49383.064|101.616  
 PO|41178.783|49379.658|101.622  
 PO|41551.944|47132.394|87.26  
 PO|41552.986|47129.62|87.263  
 PO|42351.793|44518.671|106.573  
 PO|42352.648|44515.08|106.522  
 PO|42416.444|44153.408|106.412  
 PO|42418.471|44149.051|106.222  
 PO|42600.716|43745.294|97.407

PO|42602.39|43742.406|97.43  
 PO|42612.306|43757.224|97.539  
 PO|42613.276|43754.002|97.481  
 POC|41148.355|49507.219|102.094  
 POC|43003.078|42969.253|92.985  
 POC|43053.531|42978.085|93.229  
 POC|43098.565|42985.7|93.299  
 POC|43145.495|42993.974|94.123  
 POC|43190.768|43001.686|94.189  
 POC|43230.886|43008.467|94.156  
 POC|43274.967|43016.132|93.958  
 POC|43315.538|43023.157|94.635  
 POC|43362.973|43031.262|95.588  
 POC|43407.191|43038.768|96.169  
 POC|43451.252|43048.171|97.275  
 POC|43494.697|43057.389|98.594  
 POC|43542.741|43067.612|100.37  
 POC|43582.391|43075.916|101.634  
 POC|43624.788|43085.158|103.135  
 POC|43652.883|43103.183|103.567  
 POW|42993.934|42973.035|92.457  
 POW|42995.58|42969.419|92.719  
 POW|42997.286|42970.288|92.725  
 PP|40753.84|52296.019|108.782  
 PP|40753.855|52314.338|107.935  
 PP|40779.744|52325.989|107.291  
 PP|40798.517|52332.241|109.318  
 PS|40537.072|52168.859|103.499  
 PS|40541.195|52154.994|103.446  
 PT|40547.033|52152.286|103.436  
 PT|40547.033|52152.286|103.436  
 PT|40548.82|52146.001|103.52  
 RI|41063.356|49120.342|96.699  
 RI|41069.418|49125.726|96.911  
 RI|41070.08|49129.103|96.894  
 RI|41072.13|49127.32|96.646  
 RI|41079.722|49125.097|97.174  
 RI|41080.404|49126.703|96.944  
 RI|41188.413|48069.227|87.214  
 RI|41189.33|48067.513|87.163  
 RI|41191.405|48063.798|87.016  
 RI|41196.298|48078.062|87.373  
 RI|41197.35|48075.864|87.293  
 RI|41197.835|48075.186|87.351  
 RI|41490.296|47555.442|87.681  
 RI|41490.934|47552.023|87.647  
 RI|41491.699|47553.093|87.519  
 RI|42048.31|45278.095|86.561  
 RI|42048.866|45290.682|86.673  
 RI|42048.891|45278.04|86.595  
 RI|42049.717|45277.763|86.608  
 RI|42049.82|45282.847|87.19  
 RI|42050.428|45281.874|86.766  
 RI|42051.054|45281.116|87.333  
 RI|42051.986|45283.972|86.714  
 RI|42057.15|45277.055|86.853  
 RI|42657.334|43640.45|95.587  
 RI|42658.003|43639.325|95.382  
 RI|42658.703|43637.998|95.612  
 RI|42665.455|43651.3|95.607  
 RI|42667.027|43648.217|95.596  
 RI|42668.229|43645.857|95.556

**2.2- CADERNETA DE CAMPO (LOCAÇÃO E CADASTRO)**

|                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|
| 110629+PI000000 | 81..00+10000000 | 82..00+50000000 | 83..00+00100000 |
| 110630+PI00000A | 81..00+10000002 | 82..00+50050139 | 83..00+00100661 |
| 110631+PI000001 | 81..00+09948400 | 82..00+50029259 | 83..00+00099260 |
| 110632+E0000001 | 81..00+09982675 | 82..00+50009824 | 83..00+00099734 |
| 110633+E0000002 | 81..00+09965153 | 82..00+50019759 | 83..00+00099475 |
| 110634+PI000002 | 81..00+09901038 | 82..00+50051966 | 83..00+00097901 |
| 110635+E0000003 | 81..00+09947768 | 82..00+50029562 | 83..00+00099211 |
| 110636+E0000004 | 81..00+09929754 | 82..00+50038198 | 83..00+00099014 |
| 110637+E0000005 | 81..00+09911791 | 82..00+50046811 | 83..00+00098635 |
| 110638+PI000003 | 81..00+09827564 | 82..00+50032181 | 83..00+00096719 |
| 110639+E0000006 | 81..00+09893181 | 82..00+50049850 | 83..00+00097892 |
| 110640+E0000007 | 81..00+09873925 | 82..00+50044665 | 83..00+00097865 |
| 110641+E0000008 | 81..00+09854616 | 82..00+50039465 | 83..00+00097502 |
| 110642+E0000009 | 81..00+09835311 | 82..00+50034267 | 83..00+00096990 |
| 110643+PI000004 | 81..00+09765720 | 82..00+50012039 | 83..00+00094647 |
| 110644+E0000010 | 81..00+09816200 | 82..00+50028480 | 83..00+00096127 |
| 110645+E0000011 | 81..00+09797201 | 82..00+50022292 | 83..00+00095607 |
| 110646+E0000012 | 81..00+09778278 | 82..00+50016130 | 83..00+00095622 |
| 110647+PI000005 | 81..00+09452714 | 82..00+50003349 | 83..00+00092253 |
| 110648+E0000013 | 81..00+09757895 | 82..00+50011822 | 83..00+00094748 |
| 110649+E0000014 | 81..00+09738043 | 82..00+50011270 | 83..00+00095241 |
| 110650+E0000015 | 81..00+09718116 | 82..00+50010717 | 83..00+00094765 |
| 110651+E0000016 | 81..00+09698163 | 82..00+50010163 | 83..00+00094289 |
| 110652+E0000017 | 81..00+09678209 | 82..00+50009609 | 83..00+00093767 |
| 110653+E0000018 | 81..00+09658329 | 82..00+50009057 | 83..00+00093622 |
| 110654+E0000019 | 81..00+09638391 | 82..00+50008503 | 83..00+00092891 |
| 110655+E0000020 | 81..00+09618499 | 82..00+50007950 | 83..00+00091859 |
| 110656+E0000021 | 81..00+09598517 | 82..00+50007394 | 83..00+00091138 |
| 110657+E0000022 | 81..00+09578688 | 82..00+50006843 | 83..00+00091345 |
| 110658+E0000023 | 81..00+09558791 | 82..00+50006290 | 83..00+00091755 |
| 110659+E0000024 | 81..00+09538812 | 82..00+50005735 | 83..00+00091659 |
| 110660+E0000025 | 81..00+09518779 | 82..00+50005179 | 83..00+00091772 |
| 110661+E0000026 | 81..00+09498853 | 82..00+50004627 | 83..00+00091862 |
| 110662+E0000027 | 81..00+09478906 | 82..00+50004073 | 83..00+00091769 |
| 110663+E0000028 | 81..00+09458946 | 82..00+50003519 | 83..00+00091949 |

|                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|
| 110001+PI000004 | 81..00+09765720 | 82..00+50012039 | 83..00+00094647 |
| 110002+PI000005 | 81..00+09452714 | 82..00+50003349 | 83..00+00092253 |
| 110003+PI000006 | 81..00+09235239 | 82..00+49938834 | 83..00+00097120 |
| 110004+E0000029 | 81..00+09439445 | 82..00+49999416 | 83..00+00092625 |
| 110005+E0000030 | 81..00+09420393 | 82..00+49993768 | 83..00+00093415 |
| 110006+E0000031 | 81..00+09401263 | 82..00+49988098 | 83..00+00093282 |
| 110007+E0000032 | 81..00+09382168 | 82..00+49982438 | 83..00+00094134 |
| 110008+E0000033 | 81..00+09362995 | 82..00+49976754 | 83..00+00094386 |
| 110009+E0000034 | 81..00+09343943 | 82..00+49971107 | 83..00+00094807 |
| 110010+E0000035 | 81..00+09324776 | 82..00+49965425 | 83..00+00095186 |
| 110011+E0000036 | 81..00+09305664 | 82..00+49959760 | 83..00+00095553 |
| 110012+E0000037 | 81..00+09286550 | 82..00+49954094 | 83..00+00095897 |
| 110013+E0000038 | 81..00+09267477 | 82..00+49948440 | 83..00+00096343 |
| 110014+E0000039 | 81..00+09248404 | 82..00+49942786 | 83..00+00096807 |
| 110015+PI000007 | 81..00+08990983 | 82..00+49832276 | 83..00+00105871 |
| 110016+E0000040 | 81..00+09228771 | 82..00+49936012 | 83..00+00097422 |
| 110017+E0000041 | 81..00+09210561 | 82..00+49928068 | 83..00+00098236 |
| 110018+E0000042 | 81..00+09192340 | 82..00+49920118 | 83..00+00099006 |
| 110019+E0000043 | 81..00+09174040 | 82..00+49912134 | 83..00+00099663 |
| 110020+E0000044 | 81..00+09155724 | 82..00+49904143 | 83..00+00100274 |
| 110021+E0000045 | 81..00+09137484 | 82..00+49896185 | 83..00+00101035 |
| 110022+E0000046 | 81..00+09119161 | 82..00+49888191 | 83..00+00101485 |
| 110023+E0000047 | 81..00+09100891 | 82..00+49880220 | 83..00+00102193 |
| 110024+E0000048 | 81..00+09082692 | 82..00+49872280 | 83..00+00102821 |
| 110025+E0000049 | 81..00+09064460 | 82..00+49864326 | 83..00+00103425 |
| 110026+E0000050 | 81..00+09046124 | 82..00+49856325 | 83..00+00103981 |
| 110027+E0000051 | 81..00+09027874 | 82..00+49848364 | 83..00+00104609 |
| 110028+E0000052 | 81..00+09009667 | 82..00+49840421 | 83..00+00105225 |
| 110029+PI000008 | 81..00+08837550 | 82..00+49755953 | 83..00+00109230 |
| 110030+E0000054 | 81..00+08972624 | 82..00+49823143 | 83..00+00106298 |
| 110031+E0000055 | 81..00+08954896 | 82..00+49814325 | 83..00+00106778 |
| 110032+E0000056 | 81..00+08937029 | 82..00+49805437 | 83..00+00107143 |
| 110033+E0000057 | 81..00+08919184 | 82..00+49796560 | 83..00+00107614 |
| 110034+E0000058 | 81..00+08901415 | 82..00+49787721 | 83..00+00107768 |
| 110035+E0000059 | 81..00+08883612 | 82..00+49778864 | 83..00+00108235 |
| 110036+E0000060 | 81..00+08865714 | 82..00+49769961 | 83..00+00108890 |
| 110037+E0000061 | 81..00+08847928 | 82..00+49761114 | 83..00+00109118 |
| 110038+PI000009 | 81..00+08602771 | 82..00+49749241 | 83..00+00105849 |
| 110039+E0000062 | 81..00+08828474 | 82..00+49755693 | 83..00+00109267 |
| 110040+E0000063 | 81..00+08808508 | 82..00+49755122 | 83..00+00109217 |
| 110041+E0000064 | 81..00+08788668 | 82..00+49754554 | 83..00+00108937 |
| 110042+E0000065 | 81..00+08768803 | 82..00+49753985 | 83..00+00108763 |
| 110043+E0000066 | 81..00+08748949 | 82..00+49753417 | 83..00+00108612 |
| 110044+E0000067 | 81..00+08729081 | 82..00+49752849 | 83..00+00108353 |
| 110045+E0000068 | 81..00+08709201 | 82..00+49752280 | 83..00+00108055 |
| 110046+E0000069 | 81..00+08689385 | 82..00+49751713 | 83..00+00107803 |
| 110047+E0000070 | 81..00+08669497 | 82..00+49751143 | 83..00+00107384 |
| 110048+E0000071 | 81..00+08649618 | 82..00+49750574 | 83..00+00107024 |

|                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|
| 110049+E0000072 | 81..00+08629715 | 82..00+49750005 | 83..00+00106523 |
| 110050+E0000073 | 81..00+08609897 | 82..00+49749438 | 83..00+00105957 |
| 110051+E0000053 | 81..00+08990488 | 82..00+49831966 | 83..00+00105903 |
| 110052+PI000010 | 81..00+08377931 | 82..00+49733553 | 83..00+00102356 |
| 110053+E0000074 | 81..00+08588653 | 82..00+49748256 | 83..00+00105416 |
| 110054+E0000075 | 81..00+08568704 | 82..00+49746863 | 83..00+00104945 |
| 110055+E0000076 | 81..00+08548858 | 82..00+49745478 | 83..00+00104467 |
| 110056+E0000077 | 81..00+08529028 | 82..00+49744094 | 83..00+00103878 |
| 110057+E0000078 | 81..00+08509220 | 82..00+49742712 | 83..00+00103467 |
| 110058+E0000079 | 81..00+08489428 | 82..00+49741331 | 83..00+00103024 |
| 110059+E0000080 | 81..00+08469596 | 82..00+49739947 | 83..00+00102710 |
| 110060+E0000081 | 81..00+08449763 | 82..00+49738563 | 83..00+00102280 |
| 110061+E0000082 | 81..00+08429990 | 82..00+49737183 | 83..00+00101964 |
| 110062+E0000083 | 81..00+08410106 | 82..00+49735795 | 83..00+00102316 |
| 110063+E0000084 | 81..00+08390195 | 82..00+49734405 | 83..00+00102528 |
| 110064+PI000011 | 81..00+08204893 | 82..00+49699598 | 83..00+00103118 |
| 110065+E0000085 | 81..00+08369322 | 82..00+49731864 | 83..00+00102329 |
| 110066+E0000086 | 81..00+08349808 | 82..00+49728035 | 83..00+00102274 |
| 110067+E0000087 | 81..00+08330342 | 82..00+49724215 | 83..00+00102241 |
| 110068+E0000088 | 81..00+08310761 | 82..00+49720373 | 83..00+00102193 |
| 110069+E0000089 | 81..00+08291258 | 82..00+49716546 | 83..00+00102367 |
| 110070+E0000090 | 81..00+08271775 | 82..00+49712723 | 83..00+00102446 |
| 110071+E0000091 | 81..00+08252172 | 82..00+49708961 | 83..00+00102703 |
| 110072+E0000092 | 81..00+08232759 | 82..00+49705067 | 83..00+00102779 |
| 110073+E0000093 | 81..00+08213213 | 82..00+49701231 | 83..00+00103068 |
| 110074+PI000012 | 81..00+08118578 | 82..00+49642255 | 83..00+00105246 |
| 110075+E0000094 | 81..00+08192114 | 82..00+49691108 | 83..00+00103294 |
| 110076+E0000095 | 81..00+08175668 | 82..00+49680182 | 83..00+00104166 |
| 110077+E0000096 | 81..00+08159139 | 82..00+49669201 | 83..00+00104343 |
| 110078+E0000097 | 81..00+08142720 | 82..00+49658293 | 83..00+00104844 |
| 110079+E0000098 | 81..00+08126132 | 82..00+49647272 | 83..00+00105122 |
| 110080+PI000013 | 81..00+07847744 | 82..00+49285357 | 83..00+00110818 |
| 110081+E0000099 | 81..00+08113269 | 82..00+49635259 | 83..00+00105436 |
| 110082+E0000100 | 81..00+08101303 | 82..00+49619490 | 83..00+00105446 |
| 110083+E0000101 | 81..00+08089368 | 82..00+49603764 | 83..00+00105198 |
| 110084+E0000102 | 81..00+08077417 | 82..00+49588014 | 83..00+00104991 |
| 110085+E0000103 | 81..00+08065454 | 82..00+49572251 | 83..00+00104807 |
| 110086+E0000104 | 81..00+08053504 | 82..00+49556503 | 83..00+00104801 |
| 110087+E0000105 | 81..00+08041492 | 82..00+49540674 | 83..00+00104974 |
| 110088+E0000106 | 81..00+08029607 | 82..00+49525012 | 83..00+00105145 |
| 110089+E0000107 | 81..00+08017612 | 82..00+49509206 | 83..00+00104938 |
| 110090+E0000108 | 81..00+08005650 | 82..00+49493443 | 83..00+00105207 |
| 110091+E0000109 | 81..00+07993746 | 82..00+49477756 | 83..00+00105594 |
| 110092+E0000110 | 81..00+07981803 | 82..00+49462018 | 83..00+00105645 |
| 110093+E0000111 | 81..00+07969868 | 82..00+49446290 | 83..00+00105890 |
| 110094+E0000112 | 81..00+07957864 | 82..00+49430470 | 83..00+00106308 |
| 110095+E0000113 | 81..00+07945898 | 82..00+49414701 | 83..00+00106968 |
| 110096+E0000114 | 81..00+07933909 | 82..00+49398906 | 83..00+00107652 |

|                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|
| 110097+E0000115 | 81..00+07921878 | 82..00+49383050 | 83..00+00108242 |
| 110098+E0000116 | 81..00+07909898 | 82..00+49367263 | 83..00+00108701 |
| 110099+E0000117 | 81..00+07897988 | 82..00+49351565 | 83..00+00109212 |
| 110100+E0000118 | 81..00+07885997 | 82..00+49335766 | 83..00+00109522 |
| 110101+E0000119 | 81..00+07874009 | 82..00+49319969 | 83..00+00109887 |
| 110102+E0000120 | 81..00+07862055 | 82..00+49304216 | 83..00+00110240 |
| 110103+PI000014 | 81..00+07587059 | 82..00+48978377 | 83..00+00118502 |
| 110104+E0000121 | 81..00+07847223 | 82..00+49284743 | 83..00+00110806 |
| 110105+E0000122 | 81..00+07834389 | 82..00+49269630 | 83..00+00111377 |
| 110106+E0000123 | 81..00+07821576 | 82..00+49254542 | 83..00+00111716 |
| 110107+E0000124 | 81..00+07808802 | 82..00+49239499 | 83..00+00112030 |
| 110108+E0000125 | 81..00+07795970 | 82..00+49224389 | 83..00+00112827 |
| 110109+E0000126 | 81..00+07783137 | 82..00+49209277 | 83..00+00112970 |
| 110110+E0000127 | 81..00+07770391 | 82..00+49194267 | 83..00+00113291 |
| 110111+E0000128 | 81..00+07757600 | 82..00+49179204 | 83..00+00113635 |
| 110112+E0000129 | 81..00+07744739 | 82..00+49164060 | 83..00+00114176 |
| 110113+E0000130 | 81..00+07731954 | 82..00+49149004 | 83..00+00114454 |
| 110114+E0000131 | 81..00+07719110 | 82..00+49133879 | 83..00+00114899 |
| 110115+E0000132 | 81..00+07706386 | 82..00+49118895 | 83..00+00115051 |
| 110116+E0000133 | 81..00+07693630 | 82..00+49103875 | 83..00+00115500 |
| 110117+E0000134 | 81..00+07680779 | 82..00+49088741 | 83..00+00115994 |
| 110118+E0000135 | 81..00+07667967 | 82..00+49073654 | 83..00+00116640 |
| 110119+E0000136 | 81..00+07655160 | 82..00+49058571 | 83..00+00117272 |
| 110120+E0000137 | 81..00+07642320 | 82..00+49043449 | 83..00+00117441 |
| 110121+E0000138 | 81..00+07629477 | 82..00+49028325 | 83..00+00117760 |
| 110122+E0000139 | 81..00+07616669 | 82..00+49013243 | 83..00+00118117 |
| 110123+E0000140 | 81..00+07603857 | 82..00+48998156 | 83..00+00118278 |
| 110124+E0000141 | 81..00+07588284 | 82..00+48979819 | 83..00+00118684 |
| 110125+PI000015 | 81..00+07440449 | 82..00+48877219 | 83..00+00119595 |
| 110126+E0000142 | 81..00+07572276 | 82..00+48968177 | 83..00+00118540 |
| 110127+E0000143 | 81..00+07556038 | 82..00+48956973 | 83..00+00118897 |
| 110128+E0000144 | 81..00+07539808 | 82..00+48945775 | 83..00+00118899 |
| 110129+E0000145 | 81..00+07523620 | 82..00+48934605 | 83..00+00119043 |
| 110130+E0000146 | 81..00+07507324 | 82..00+48923361 | 83..00+00119198 |
| 110131+E0000147 | 81..00+07491076 | 82..00+48912150 | 83..00+00119371 |
| 110132+E0000148 | 81..00+07474860 | 82..00+48900962 | 83..00+00119517 |
| 110133+E0000149 | 81..00+07458609 | 82..00+48889749 | 83..00+00119390 |
| 110134+PI000016 | 81..00+07332047 | 82..00+48830622 | 83..00+00118628 |
| 110135+E0000151 | 81..00+07422294 | 82..00+48869415 | 83..00+00119309 |
| 110136+E0000152 | 81..00+07404110 | 82..00+48861599 | 83..00+00119400 |
| 110137+E0000153 | 81..00+07385985 | 82..00+48853807 | 83..00+00119399 |
| 110138+E0000154 | 81..00+07367909 | 82..00+48846038 | 83..00+00119224 |
| 110139+E0000155 | 81..00+07349671 | 82..00+48838198 | 83..00+00118895 |
| 110140+PI000017 | 81..00+07077563 | 82..00+48717601 | 83..00+00113296 |
| 110141+E0000156 | 81..00+07330239 | 82..00+48829819 | 83..00+00118626 |
| 110142+E0000157 | 81..00+07312197 | 82..00+48821806 | 83..00+00118310 |
| 110143+E0000158 | 81..00+07294134 | 82..00+48813784 | 83..00+00117793 |
| 110144+E0000159 | 81..00+07276180 | 82..00+48805810 | 83..00+00117503 |

|                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|
| 110145+E0000160 | 81..00+07258113 | 82..00+48797786 | 83..00+00117053 |
| 110146+E0000161 | 81..00+07240032 | 82..00+48789755 | 83..00+00116851 |
| 110147+E0000162 | 81..00+07221876 | 82..00+48781691 | 83..00+00116241 |
| 110148+E0000163 | 81..00+07203903 | 82..00+48773709 | 83..00+00115805 |
| 110149+E0000164 | 81..00+07185747 | 82..00+48765645 | 83..00+00115853 |
| 110150+E0000165 | 81..00+07167734 | 82..00+48757645 | 83..00+00115650 |
| 110151+E0000166 | 81..00+07149768 | 82..00+48749666 | 83..00+00115424 |
| 110152+E0000167 | 81..00+07131721 | 82..00+48741651 | 83..00+00113696 |
| 110153+E0000168 | 81..00+07113629 | 82..00+48733616 | 83..00+00113711 |
| 110154+E0000169 | 81..00+07095706 | 82..00+48725655 | 83..00+00112522 |
| 110155+PI000018 | 81..00+06986257 | 82..00+48626391 | 83..00+00116459 |
| 110156+E0000170 | 81..00+07075056 | 82..00+48715097 | 83..00+00113508 |
| 110157+E0000171 | 81..00+07061034 | 82..00+48701089 | 83..00+00114538 |
| 110158+E0000172 | 81..00+07046994 | 82..00+48687063 | 83..00+00114897 |
| 110159+E0000173 | 81..00+07033070 | 82..00+48673153 | 83..00+00115546 |
| 110160+E0000174 | 81..00+07019192 | 82..00+48659289 | 83..00+00116482 |
| 110161+E0000175 | 81..00+07005224 | 82..00+48645335 | 83..00+00116912 |
| 110162+E0000176 | 81..00+06991247 | 82..00+48631370 | 83..00+00116846 |
| 110163+PI000019 | 81..00+06730532 | 82..00+48343273 | 83..00+00126814 |
| 110164+E0000177 | 81..00+06976587 | 82..00+48615685 | 83..00+00115505 |
| 110165+E0000178 | 81..00+06963362 | 82..00+48601044 | 83..00+00115914 |
| 110166+E0000179 | 81..00+06950045 | 82..00+48586300 | 83..00+00116377 |
| 110167+E0000180 | 81..00+06936828 | 82..00+48571667 | 83..00+00117714 |
| 110168+E0000181 | 81..00+06923622 | 82..00+48557047 | 83..00+00118221 |
| 110169+E0000182 | 81..00+06910362 | 82..00+48542366 | 83..00+00118848 |
| 110170+E0000183 | 81..00+06897119 | 82..00+48527704 | 83..00+00119366 |
| 110171+E0000184 | 81..00+06883896 | 82..00+48513065 | 83..00+00120199 |
| 110172+E0000185 | 81..00+06870699 | 82..00+48498453 | 83..00+00120626 |
| 110173+E0000186 | 81..00+06857428 | 82..00+48483760 | 83..00+00121128 |
| 110174+E0000187 | 81..00+06844191 | 82..00+48469105 | 83..00+00121750 |
| 110175+E0000188 | 81..00+06830974 | 82..00+48454470 | 83..00+00122406 |
| 110176+E0000189 | 81..00+06817785 | 82..00+48439870 | 83..00+00122794 |
| 110177+E0000190 | 81..00+06804500 | 82..00+48425161 | 83..00+00123396 |
| 110178+E0000191 | 81..00+06791223 | 82..00+48410462 | 83..00+00123892 |
| 110179+E0000192 | 81..00+06778021 | 82..00+48395845 | 83..00+00124879 |
| 110180+E0000193 | 81..00+06764807 | 82..00+48381215 | 83..00+00125533 |
| 110181+E0000194 | 81..00+06751647 | 82..00+48366645 | 83..00+00125846 |
| 110182+E0000195 | 81..00+06738415 | 82..00+48351996 | 83..00+00126557 |
| 110183+PI000020 | 81..00+06644922 | 82..00+48267980 | 83..00+00129991 |
| 110184+E0000196 | 81..00+06720950 | 82..00+48334846 | 83..00+00126860 |
| 110185+E0000197 | 81..00+06706039 | 82..00+48321731 | 83..00+00127736 |
| 110186+E0000198 | 81..00+06691202 | 82..00+48308683 | 83..00+00127964 |
| 110187+E0000199 | 81..00+06676405 | 82..00+48295670 | 83..00+00128750 |
| 110188+E0000200 | 81..00+06661588 | 82..00+48282637 | 83..00+00129283 |
| 110189+E0000201 | 81..00+06646665 | 82..00+48269513 | 83..00+00129885 |
| 110190+PI000021 | 81..00+06601840 | 82..00+48236832 | 83..00+00130868 |
| 110191+E0000202 | 81..00+06629754 | 82..00+48257014 | 83..00+00130269 |
| 110192+E0000203 | 81..00+06613669 | 82..00+48245384 | 83..00+00130424 |

|                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|
| 110193+PI000022 | 81..00+06440491 | 82..00+48167264 | 83..00+00130627 |
| 110194+E0000204 | 81..00+06588868 | 82..00+48231239 | 83..00+00130774 |
| 110195+E0000205 | 81..00+06570671 | 82..00+48223393 | 83..00+00130565 |
| 110196+E0000206 | 81..00+06552566 | 82..00+48215587 | 83..00+00130435 |
| 110197+E0000207 | 81..00+06534322 | 82..00+48207721 | 83..00+00130444 |
| 110198+E0000208 | 81..00+06516066 | 82..00+48199849 | 83..00+00130130 |
| 110199+E0000209 | 81..00+06497757 | 82..00+48191955 | 83..00+00129978 |
| 110200+E0000210 | 81..00+06479693 | 82..00+48184167 | 83..00+00130190 |
| 110201+E0000211 | 81..00+06461409 | 82..00+48176284 | 83..00+00130461 |
| 110202+E0000212 | 81..00+06443218 | 82..00+48168441 | 83..00+00130609 |
| 110203+PI000023 | 81..00+06381919 | 82..00+48148795 | 83..00+00129563 |
| 110204+E0000213 | 81..00+06430864 | 82..00+48164228 | 83..00+00130556 |
| 110205+E0000214 | 81..00+06411989 | 82..00+48158277 | 83..00+00130443 |
| 110206+E0000215 | 81..00+06393051 | 82..00+48152305 | 83..00+00129996 |
| 110207+PI000024 | 81..00+06134057 | 82..00+48120370 | 83..00+00126721 |
| 110208+E0000216 | 81..00+06373321 | 82..00+48147809 | 83..00+00129381 |
| 110209+E0000217 | 81..00+06353469 | 82..00+48145532 | 83..00+00129160 |
| 110210+E0000218 | 81..00+06333756 | 82..00+48143272 | 83..00+00129104 |
| 110211+E0000219 | 81..00+06314084 | 82..00+48141016 | 83..00+00129114 |
| 110212+E0000220 | 81..00+06294320 | 82..00+48138750 | 83..00+00128645 |
| 110213+E0000221 | 81..00+06274572 | 82..00+48136485 | 83..00+00128197 |
| 110214+E0000222 | 81..00+06254855 | 82..00+48134224 | 83..00+00128114 |
| 110215+E0000223 | 81..00+06235221 | 82..00+48131972 | 83..00+00127775 |
| 110216+E0000224 | 81..00+06215479 | 82..00+48129709 | 83..00+00127350 |
| 110217+E0000225 | 81..00+06195916 | 82..00+48127466 | 83..00+00126877 |
| 110218+E0000226 | 81..00+06176200 | 82..00+48125205 | 83..00+00126610 |
| 110219+E0000227 | 81..00+06156618 | 82..00+48122958 | 83..00+00126676 |
| 110220+E0000228 | 81..00+06134848 | 82..00+48120462 | 83..00+00126691 |
| 110221+PI000025 | 81..00+05907797 | 82..00+48020263 | 83..00+00131298 |
| 110222+E0000229 | 81..00+06116577 | 82..00+48112636 | 83..00+00127069 |
| 110223+E0000230 | 81..00+06098399 | 82..00+48104593 | 83..00+00127102 |
| 110224+E0000231 | 81..00+06080218 | 82..00+48096549 | 83..00+00127369 |
| 110225+E0000232 | 81..00+06062066 | 82..00+48088518 | 83..00+00127906 |
| 110226+E0000233 | 81..00+06043906 | 82..00+48080483 | 83..00+00128343 |
| 110227+E0000234 | 81..00+06025672 | 82..00+48072416 | 83..00+00128508 |
| 110228+E0000235 | 81..00+06007526 | 82..00+48064387 | 83..00+00129153 |
| 110229+E0000236 | 81..00+05989260 | 82..00+48056306 | 83..00+00129343 |
| 110230+E0000237 | 81..00+05971133 | 82..00+48048286 | 83..00+00130006 |
| 110231+E0000238 | 81..00+05952968 | 82..00+48040248 | 83..00+00130439 |
| 110232+E0000239 | 81..00+05934785 | 82..00+48032204 | 83..00+00131005 |
| 110233+E0000240 | 81..00+05916599 | 82..00+48024157 | 83..00+00131394 |
| 110234+PI000026 | 81..00+05675143 | 82..00+47904706 | 83..00+00139031 |
| 110235+E0000241 | 81..00+05897302 | 82..00+48015050 | 83..00+00131627 |
| 110236+E0000242 | 81..00+05879525 | 82..00+48006203 | 83..00+00131902 |
| 110237+E0000243 | 81..00+05861688 | 82..00+47997362 | 83..00+00132348 |
| 110238+E0000244 | 81..00+05843834 | 82..00+47988494 | 83..00+00133032 |
| 110239+E0000245 | 81..00+05826049 | 82..00+47979660 | 83..00+00133576 |
| 110240+E0000246 | 81..00+05808219 | 82..00+47970805 | 83..00+00134317 |

|                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|
| 110241+E0000247 | 81..00+05790395 | 82..00+47961952 | 83..00+00134957 |
| 110242+E0000248 | 81..00+05772551 | 82..00+47953089 | 83..00+00135619 |
| 110243+E0000249 | 81..00+05754673 | 82..00+47944209 | 83..00+00136283 |
| 110244+E0000250 | 81..00+05736850 | 82..00+47935357 | 83..00+00137175 |
| 110245+E0000251 | 81..00+05718940 | 82..00+47926461 | 83..00+00137754 |
| 110246+E0000252 | 81..00+05701159 | 82..00+47917629 | 83..00+00138203 |
| 110247+E0000253 | 81..00+05683235 | 82..00+47908727 | 83..00+00138735 |
| 110248+PI000027 | 81..00+05569245 | 82..00+47895204 | 83..00+00139693 |
| 110249+E0000254 | 81..00+05663241 | 82..00+47903638 | 83..00+00139138 |
| 110250+E0000255 | 81..00+05643466 | 82..00+47901864 | 83..00+00139438 |
| 110251+E0000256 | 81..00+05623624 | 82..00+47900084 | 83..00+00139567 |
| 110252+E0000257 | 81..00+05603818 | 82..00+47898307 | 83..00+00139774 |
| 110253+E0000258 | 81..00+05584016 | 82..00+47896530 | 83..00+00139857 |
| 110254+PI000028 | 81..00+05235241 | 82..00+47938134 | 83..00+00135296 |
| 110255+E0000259 | 81..00+05563658 | 82..00+47895922 | 83..00+00139613 |
| 110256+E0000260 | 81..00+05543865 | 82..00+47898466 | 83..00+00139301 |
| 110257+E0000261 | 81..00+05524145 | 82..00+47901001 | 83..00+00138990 |
| 110258+E0000262 | 81..00+05504455 | 82..00+47903532 | 83..00+00138612 |
| 110259+E0000263 | 81..00+05484750 | 82..00+47906064 | 83..00+00138366 |
| 110260+E0000264 | 81..00+05465028 | 82..00+47908597 | 83..00+00137925 |
| 110261+E0000265 | 81..00+05445128 | 82..00+47911155 | 83..00+00137749 |
| 110262+E0000266 | 81..00+05425387 | 82..00+47913692 | 83..00+00137390 |
| 110263+E0000267 | 81..00+05405627 | 82..00+47916232 | 83..00+00137210 |
| 110264+E0000268 | 81..00+05385906 | 82..00+47918766 | 83..00+00136947 |
| 110265+E0000269 | 81..00+05366271 | 82..00+47921290 | 83..00+00136838 |
| 110266+E0000270 | 81..00+05346569 | 82..00+47923822 | 83..00+00136714 |
| 110267+E0000271 | 81..00+05326889 | 82..00+47926351 | 83..00+00136386 |
| 110268+E0000272 | 81..00+05307040 | 82..00+47928902 | 83..00+00136110 |
| 110269+E0000273 | 81..00+05287297 | 82..00+47931439 | 83..00+00135941 |
| 110270+E0000274 | 81..00+05267584 | 82..00+47933973 | 83..00+00135625 |
| 110271+E0000275 | 81..00+05247860 | 82..00+47936506 | 83..00+00135377 |
| 110272+PI000029 | 81..00+04922226 | 82..00+47991037 | 83..00+00126466 |
| 110273+E0000276 | 81..00+05226439 | 82..00+47939622 | 83..00+00135003 |
| 110274+E0000277 | 81..00+05206885 | 82..00+47942926 | 83..00+00134576 |
| 110275+E0000278 | 81..00+05187189 | 82..00+47946255 | 83..00+00134156 |
| 110276+E0000279 | 81..00+05167585 | 82..00+47949568 | 83..00+00133759 |
| 110277+E0000280 | 81..00+05148093 | 82..00+47952862 | 83..00+00133084 |
| 110278+E0000281 | 81..00+05128455 | 82..00+47956181 | 83..00+00132694 |
| 110279+E0000282 | 81..00+05108911 | 82..00+47959484 | 83..00+00132147 |
| 110280+E0000283 | 81..00+05089198 | 82..00+47962815 | 83..00+00131416 |
| 110281+E0000284 | 81..00+05069640 | 82..00+47966121 | 83..00+00130797 |
| 110282+E0000285 | 81..00+05050070 | 82..00+47969428 | 83..00+00130168 |
| 110283+E0000286 | 81..00+05030466 | 82..00+47972741 | 83..00+00129788 |
| 110284+E0000287 | 81..00+05010934 | 82..00+47976041 | 83..00+00129097 |
| 110285+E0000288 | 81..00+04991277 | 82..00+47979363 | 83..00+00128674 |
| 110286+E0000289 | 81..00+04971641 | 82..00+47982681 | 83..00+00128136 |
| 110287+E0000290 | 81..00+04952000 | 82..00+47986000 | 83..00+00127735 |
| 110288+E0000291 | 81..00+04932538 | 82..00+47989289 | 83..00+00126506 |

|                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|
| 110289+PI000030 | 81..00+04514149 | 82..00+47956505 | 83..00+00119104 |
| 110290+E0000292 | 81..00+04910845 | 82..00+47990074 | 83..00+00126281 |
| 110291+E0000293 | 81..00+04891094 | 82..00+47988402 | 83..00+00126110 |
| 110292+E0000294 | 81..00+04871201 | 82..00+47986719 | 83..00+00125704 |
| 110293+E0000295 | 81..00+04851392 | 82..00+47985042 | 83..00+00125277 |
| 110294+E0000296 | 81..00+04831709 | 82..00+47983375 | 83..00+00124627 |
| 110295+E0000297 | 81..00+04811981 | 82..00+47981705 | 83..00+00124124 |
| 110296+E0000298 | 81..00+04792197 | 82..00+47980031 | 83..00+00123615 |
| 110297+E0000299 | 81..00+04772495 | 82..00+47978363 | 83..00+00123040 |
| 110298+E0000300 | 81..00+04752701 | 82..00+47976688 | 83..00+00122587 |
| 110299+E0000301 | 81..00+04732960 | 82..00+47975017 | 83..00+00122433 |
| 110300+E0000302 | 81..00+04713179 | 82..00+47973343 | 83..00+00121845 |
| 110301+E0000303 | 81..00+04693368 | 82..00+47971666 | 83..00+00121530 |
| 110302+E0000304 | 81..00+04673578 | 82..00+47969990 | 83..00+00120890 |
| 110303+E0000305 | 81..00+04653666 | 82..00+47968305 | 83..00+00120046 |
| 110304+E0000306 | 81..00+04633794 | 82..00+47966624 | 83..00+00119864 |
| 110305+E0000307 | 81..00+04614022 | 82..00+47964950 | 83..00+00119628 |
| 110306+E0000308 | 81..00+04594190 | 82..00+47963269 | 83..00+00119478 |
| 110307+E0000309 | 81..00+04574376 | 82..00+47961593 | 83..00+00119280 |
| 110308+E0000310 | 81..00+04554632 | 82..00+47959921 | 83..00+00119072 |
| 110309+E0000311 | 81..00+04534862 | 82..00+47958248 | 83..00+00119094 |
| 110310+PI000031 | 81..00+04325202 | 82..00+47885170 | 83..00+00119209 |
| 110311+E0000312 | 81..00+04512284 | 82..00+47955801 | 83..00+00119097 |
| 110312+E0000313 | 81..00+04493562 | 82..00+47948733 | 83..00+00119154 |
| 110313+E0000314 | 81..00+04474926 | 82..00+47941697 | 83..00+00119295 |
| 110314+E0000315 | 81..00+04456285 | 82..00+47934659 | 83..00+00119541 |
| 110315+E0000316 | 81..00+04437671 | 82..00+47927632 | 83..00+00119508 |
| 110316+E0000317 | 81..00+04419040 | 82..00+47920598 | 83..00+00119298 |
| 110317+E0000318 | 81..00+04400437 | 82..00+47913575 | 83..00+00119644 |
| 110318+E0000319 | 81..00+04381879 | 82..00+47906569 | 83..00+00119777 |
| 110319+E0000320 | 81..00+04363241 | 82..00+47899533 | 83..00+00119391 |
| 110320+E0000321 | 81..00+04344601 | 82..00+47892496 | 83..00+00118883 |
| 110321+PI000032 | 81..00+04300570 | 82..00+47868032 | 83..00+00118943 |
| 110322+E0000323 | 81..00+04308775 | 82..00+47873740 | 83..00+00119376 |
| 110323+PI000033 | 81..00+04072715 | 82..00+47566786 | 83..00+00128628 |
| 110324+E0000324 | 81..00+04294626 | 82..00+47860173 | 83..00+00119025 |
| 110325+E0000325 | 81..00+04282590 | 82..00+47844260 | 83..00+00119664 |
| 110326+E0000326 | 81..00+04270635 | 82..00+47828455 | 83..00+00120313 |
| 110327+E0000327 | 81..00+04258569 | 82..00+47812503 | 83..00+00120322 |
| 110328+E0000328 | 81..00+04246589 | 82..00+47796664 | 83..00+00121303 |
| 110329+E0000329 | 81..00+04234562 | 82..00+47780763 | 83..00+00122298 |
| 110330+E0000330 | 81..00+04222563 | 82..00+47764898 | 83..00+00122800 |
| 110331+E0000331 | 81..00+04210589 | 82..00+47749068 | 83..00+00123215 |
| 110332+E0000332 | 81..00+04198587 | 82..00+47733200 | 83..00+00123765 |
| 110333+E0000333 | 81..00+04186691 | 82..00+47717472 | 83..00+00124508 |
| 110334+E0000334 | 81..00+04174703 | 82..00+47701623 | 83..00+00125118 |
| 110335+E0000335 | 81..00+04162688 | 82..00+47685738 | 83..00+00125866 |
| 110336+E0000336 | 81..00+04150648 | 82..00+47669820 | 83..00+00126406 |

|                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|
| 110337+E0000337 | 81..00+04138647 | 82..00+47653953 | 83..00+00127096 |
| 110338+E0000338 | 81..00+04126620 | 82..00+47638053 | 83..00+00127470 |
| 110339+E0000339 | 81..00+04114598 | 82..00+47622158 | 83..00+00128030 |
| 110340+E0000340 | 81..00+04102586 | 82..00+47606276 | 83..00+00128359 |
| 110341+E0000341 | 81..00+04090509 | 82..00+47590310 | 83..00+00128585 |
| 110342+E0000342 | 81..00+04078457 | 82..00+47574376 | 83..00+00128584 |
| 110343+PI000034 | 81..00+04040876 | 82..00+47525042 | 83..00+00128414 |
| 110344+E0000343 | 81..00+04065272 | 82..00+47557027 | 83..00+00128765 |
| 110345+E0000344 | 81..00+04053146 | 82..00+47541129 | 83..00+00128779 |
| 110346+PI000000 | 81..00+04015578 | 82..00+47469123 | 83..00+00129855 |
| 110347+E0000346 | 81..00+04032713 | 82..00+47507000 | 83..00+00128618 |
| 110348+E0000347 | 81..00+04024508 | 82..00+47488863 | 83..00+00128908 |
| 110349+E0000348 | 81..00+04016221 | 82..00+47470546 | 83..00+00129531 |
| 110350+PI00000B | 81..00+03986998 | 82..00+47527223 | 83..00+00130928 |
| 110351+PI000001 | 81..00+03922679 | 82..00+47428129 | 83..00+00135583 |
| 110352+PI000100 | 81..00+06619244 | 82..00+48216221 | 83..00+00131389 |
| 110353+E0000001 | 81..00+06636024 | 82..00+48250044 | 83..00+00130732 |
| 110354+E0000002 | 81..00+06627155 | 82..00+48232168 | 83..00+00131094 |
| 110355+PI000101 | 81..00+06703097 | 82..00+48034880 | 83..00+00134698 |
| 110356+E0000003 | 81..00+06620181 | 82..00+48214194 | 83..00+00131482 |
| 110357+E0000004 | 81..00+06628534 | 82..00+48196132 | 83..00+00131970 |
| 110358+E0000005 | 81..00+06636915 | 82..00+48178008 | 83..00+00132470 |
| 110359+E0000006 | 81..00+06645238 | 82..00+48160009 | 83..00+00132749 |
| 110360+E0000007 | 81..00+06653593 | 82..00+48141942 | 83..00+00133096 |
| 110361+E0000008 | 81..00+06661986 | 82..00+48123792 | 83..00+00133330 |
| 110362+E0000009 | 81..00+06670309 | 82..00+48105794 | 83..00+00133740 |
| 110363+E0000010 | 81..00+06678684 | 82..00+48087683 | 83..00+00133832 |
| 110364+E0000011 | 81..00+06687009 | 82..00+48069686 | 83..00+00134186 |
| 110365+E0000012 | 81..00+06695328 | 82..00+48051696 | 83..00+00134521 |
| 110366+PI000102 | 81..00+06760606 | 82..00+47948604 | 83..00+00139824 |
| 110367+E0000013 | 81..00+06704457 | 82..00+48032839 | 83..00+00134489 |
| 110368+E0000014 | 81..00+06715521 | 82..00+48016241 | 83..00+00133169 |
| 110369+E0000015 | 81..00+06726463 | 82..00+47999826 | 83..00+00133522 |
| 110370+E0000016 | 81..00+06737455 | 82..00+47983336 | 83..00+00135260 |
| 110371+E0000017 | 81..00+06748471 | 82..00+47966809 | 83..00+00137181 |
| 110372+E0000018 | 81..00+06759900 | 82..00+47949663 | 83..00+00139732 |
| 110373+PI000103 | 81..00+06808959 | 82..00+47877571 | 83..00+00155720 |
| 110374+E0000019 | 81..00+06770933 | 82..00+47933433 | 83..00+00142940 |
| 110375+E0000020 | 81..00+06781952 | 82..00+47917247 | 83..00+00147138 |
| 110376+E0000021 | 81..00+06792951 | 82..00+47901089 | 83..00+00151466 |
| 110377+E0000022 | 81..00+06804049 | 82..00+47884786 | 83..00+00154506 |
| 110378+PI000104 | 81..00+06910237 | 82..00+47821728 | 83..00+00173490 |
| 110379+E0000023 | 81..00+06820220 | 82..00+47871362 | 83..00+00157539 |
| 110380+E0000024 | 81..00+06837561 | 82..00+47861801 | 83..00+00159916 |
| 110381+E0000025 | 81..00+06854949 | 82..00+47852213 | 83..00+00162494 |
| 110382+E0000026 | 81..00+06872192 | 82..00+47842705 | 83..00+00165177 |
| 110383+E0000027 | 81..00+06889350 | 82..00+47833245 | 83..00+00168490 |
| 110384+E0000028 | 81..00+06907736 | 82..00+47823107 | 83..00+00173018 |

|                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|
| 110385+PI000105 | 81..00+06996710 | 82..00+47800611 | 83..00+00207012 |
| 110386+E0000029 | 81..00+06926489 | 82..00+47817759 | 83..00+00177997 |
| 110387+E0000030 | 81..00+06944438 | 82..00+47813376 | 83..00+00185275 |
| 110388+E0000031 | 81..00+06961974 | 82..00+47809094 | 83..00+00193616 |
| 110389+E0000032 | 81..00+06979967 | 82..00+47804702 | 83..00+00200711 |
| 110390+PI000106 | 81..00+07059256 | 82..00+47783064 | 83..00+00230978 |
| 110391+E0000033 | 81..00+07004301 | 82..00+47798481 | 83..00+00209757 |
| 110392+E0000034 | 81..00+07022262 | 82..00+47793443 | 83..00+00216590 |
| 110393+E0000035 | 81..00+07040228 | 82..00+47788403 | 83..00+00223769 |
| 110394+PI000107 | 81..00+07068124 | 82..00+47765708 | 83..00+00237143 |
| 110395+E0000036 | 81..00+07060641 | 82..00+47780353 | 83..00+00231900 |
| 110396+PI000108 | 81..00+07078737 | 82..00+47762775 | 83..00+00240477 |
| 110397+E0000037 | 81..00+07071499 | 82..00+47764775 | 83..00+00238265 |
| 110398+PI000109 | 81..00+07140279 | 82..00+47782383 | 83..00+00254526 |
| 110399+E0000038 | 81..00+07090457 | 82..00+47766509 | 83..00+00243624 |
| 110400+E0000039 | 81..00+07108946 | 82..00+47772399 | 83..00+00248252 |
| 110401+E0000040 | 81..00+07127546 | 82..00+47778325 | 83..00+00252281 |
| 110402+PI000110 | 81..00+07177370 | 82..00+47792337 | 83..00+00258180 |
| 110403+E0000041 | 81..00+07148161 | 82..00+47784498 | 83..00+00255753 |
| 110404+E0000042 | 81..00+07167357 | 82..00+47789650 | 83..00+00257626 |

110001+BE000001 21.104+25448040 22.104+09122560 31..00+00096255 81  
..00+09808177 82..00+50026739 83..00+00095634 87..10+00001500  
110002+BE000002 21.104+25642380 22.104+09118230 31..00+00097026 81  
..00+09806634 82..00+50029669 83..00+00095744 87..10+00001500  
110003+BE000003 21.104+34827510 22.104+08832290 31..00+00011737 81  
..00+09898692 82..00+50063462 83..00+00098255 87..10+00001500  
110004+BE000004 21.104+35958260 22.104+08838120 31..00+00016061 81  
..00+09901031 82..00+50068023 83..00+00098338 87..10+00001500  
110005+BE000005 21.104+00256350 22.104+08830180 31..00+00019624 81  
..00+09902045 82..00+50071557 83..00+00098468 87..10+00001500  
110006+BE000006 21.104+00013550 22.104+08846340 31..00+00024051 81  
..00+09901135 82..00+50076011 83..00+00098469 87..10+00001500  
110007+BE000007 21.104+00651180 22.104+08820240 31..00+00025672 81  
..00+09904101 82..00+50077444 83..00+00098699 87..10+00001500  
110008+BE000008 21.104+01205560 22.104+08806500 31..00+00019947 81  
..00+09905217 82..00+50071459 83..00+00098612 87..10+00001500  
110009+BE000009 21.104+01131230 22.104+08742080 31..00+00012464 81  
..00+09903526 82..00+50064169 83..00+00098456 87..10+00001500  
110010+BE000010 21.104+01528420 22.104+08813490 31..00+00007860 81  
..00+09903135 82..00+50059537 83..00+00098198 87..10+00001500  
110011+BE000011 21.104+06052480 22.104+08813580 31..00+00015259 81  
..00+09914362 82..00+50059388 83..00+00098426 87..10+00001500  
110012+BE000012 21.104+04528040 22.104+08713560 31..00+00017840 81  
..00+09913741 82..00+50064463 83..00+00098817 87..10+00001500  
110013+BE000013 21.104+06830540 22.104+08737050 31..00+00023392 81  
..00+09922786 82..00+50060526 83..00+00098928 87..10+00001500  
110014+BE000014 21.104+07513000 22.104+08813420 31..00+00018175 81  
..00+09918603 82..00+50056601 83..00+00098518 87..10+00001500  
110015+BE000015 21.104+09215190 22.104+08835110 31..00+00025596 81  
..00+09926606 82..00+50050959 83..00+00098587 87..10+00001500  
110016+BE000016 21.104+09215110 22.104+08830010 31..00+00032910 81  
..00+09933911 82..00+50050672 83..00+00098817 87..10+00001500  
110017+CE000017 21.104+11737100 22.104+08834540 31..00+00052448 81  
..00+09947495 82..00+50027659 83..00+00099254 87..10+00001500  
110018+CE000018 21.104+11606060 22.104+08834210 31..00+00052245 81  
..00+09947940 82..00+50028987 83..00+00099257 87..10+00001500  
110019+CE000019 21.104+07813150 22.104+08752500 31..00+00016716 81  
..00+09917391 82..00+50055376 83..00+00098574 87..10+00001500  
110020+CE000020 21.104+24952350 22.104+08942450 31..00+00015762 81  
..00+09886238 82..00+50046543 83..00+00098035 87..10+00001500  
110021+CE000021 21.104+34022570 22.104+08846070 31..00+00017360 81  
..00+09895211 82..00+50068315 83..00+00098329 87..10+00001500  
110022+CE000022 21.104+00134470 22.104+08823590 31..00+00019706 81  
..00+09901581 82..00+50071657 83..00+00098506 87..10+00001500  
110023+CE000023 21.104+35338470 22.104+08823420 31..00+00029154 81  
..00+09897813 82..00+50080930 83..00+00098772 87..10+00001500  
110024+CA000024 21.104+17842550 22.104+08818570 31..00+00016118 81  
..00+09901399 82..00+50035859 83..00+00098429 87..10+00001500

110025+CA000025 21.104+18708210 22.104+08808120 31..00+00009294 81  
..00+09899884 82..00+50042749 83..00+00098258 87..10+00001500  
110026+CA000026 21.104+22324270 22.104+08913020 31..00+00016354 81  
..00+09889801 82..00+50040086 83..00+00098179 87..10+00001500  
110027+BE000027 21.104+26831390 22.104+09022480 31..00+00337608 81  
..00+09428231 82..00+50003366 83..00+00092492 87..10+00001500  
110028+BE000028 21.104+26900250 22.104+09020360 31..00+00339901 81  
..00+09425876 82..00+50006151 83..00+00092693 87..10+00001500  
110029+BE000029 21.104+27008070 22.104+09115260 31..00+00168469 81  
..00+09597292 82..00+50012437 83..00+00091028 87..10+00001500  
110030+BE000030 21.104+27152000 22.104+09115510 31..00+00171386 81  
..00+09594467 82..00+50017622 83..00+00090943 87..10+00001500  
110031+BE000031 21.104+27728040 22.104+08923310 31..00+00027914 81  
..00+09738044 82..00+50015667 83..00+00095020 87..10+00001500  
110032+BE000032 21.104+28414180 22.104+08935200 31..00+00028061 81  
..00+09738521 82..00+50018941 83..00+00094926 87..10+00001500  
110033+CE000033 21.104+30021140 22.104+08931500 31..00+00024105 81  
..00+09744920 82..00+50024220 83..00+00094922 87..10+00001500  
110034+CE000034 21.104+31031440 22.104+08952260 31..00+00031527 81  
..00+09741757 82..00+50032526 83..00+00094794 87..10+00001500  
110035+CE000035 21.104+32837170 22.104+08945330 31..00+00014522 81  
..00+09758159 82..00+50024437 83..00+00094785 87..10+00001500  
110036+CE000036 21.104+16300250 22.104+09020440 31..00+00018325 81  
..00+09771075 82..00+49994515 83..00+00094614 87..10+00001500  
110037+CE000037 21.104+07252460 22.104+08805160 31..00+00082915 81  
..00+09844916 82..00+50036434 83..00+00097491 87..10+00001500

|                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|
| 110001+BE000040 | 21.104+25438530 | 22.104+08849300 | 31..00+00214414 |
| 81..00+09245994 | 82..00+49946597 | 83..00+00096777 | 87..10+00001500 |
| 110002+BE000041 | 21.104+25526290 | 22.104+08850320 | 31..00+00214334 |
| 81..00+09245304 | 82..00+49949485 | 83..00+00096713 | 87..10+00001500 |
| 110003+BE000042 | 21.104+26209460 | 22.104+08913380 | 31..00+00054787 |
| 81..00+09398444 | 82..00+49995879 | 83..00+00093119 | 87..10+00001500 |
| 110004+BE000043 | 21.104+26605570 | 22.104+08911390 | 31..00+00051202 |
| 81..00+09401636 | 82..00+49999866 | 83..00+00093100 | 87..10+00001500 |
| 110005+CE000044 | 21.104+27606060 | 22.104+08807500 | 31..00+00050823 |
| 81..00+09402205 | 82..00+50008748 | 83..00+00094038 | 87..10+00001500 |
| 110006+CE000045 | 21.104+25127250 | 22.104+08822480 | 31..00+00036123 |
| 81..00+09418480 | 82..00+49991866 | 83..00+00093401 | 87..10+00001500 |
| 110007+CE000046 | 21.104+09121000 | 22.104+09029090 | 31..00+00064369 |
| 81..00+09517062 | 82..00+50001832 | 83..00+00091834 | 87..10+00001500 |
| 110008+CE000047 | 21.104+09253150 | 22.104+09022180 | 31..00+00066104 |
| 81..00+09518733 | 82..00+50000019 | 83..00+00091951 | 87..10+00001500 |
| 110009+CE000048 | 21.104+07407400 | 22.104+09038480 | 31..00+00074779 |
| 81..00+09524637 | 82..00+50023799 | 83..00+00091536 | 87..10+00001500 |
| 110010+CE000049 | 21.104+07132230 | 22.104+09051140 | 31..00+00061908 |
| 81..00+09511430 | 82..00+50022950 | 83..00+00091457 | 87..10+00001500 |
| 110011+CE000050 | 21.104+04654160 | 22.104+09029060 | 31..00+00060870 |
| 81..00+09497161 | 82..00+50044935 | 83..00+00091865 | 87..10+00001500 |
| 110012+CE000051 | 21.104+24408140 | 22.104+08729150 | 31..00+00038934 |
| 81..00+09200238 | 82..00+49921867 | 83..00+00098907 | 87..10+00001500 |
| 110013+CE000052 | 21.104+27108450 | 22.104+08729560 | 31..00+00040612 |
| 81..00+09194674 | 82..00+49939646 | 83..00+00098973 | 87..10+00001500 |
| 110014+BE000053 | 21.104+26711380 | 22.104+08749580 | 31..00+00041341 |
| 81..00+09193978 | 82..00+49936812 | 83..00+00098764 | 87..10+00001500 |
| 110015+BE000054 | 21.104+25848030 | 22.104+08826460 | 31..00+00040069 |
| 81..00+09195947 | 82..00+49931055 | 83..00+00098287 | 87..10+00001500 |
| 110016+BE000055 | 21.104+24737020 | 22.104+08852580 | 31..00+00164343 |
| 81..00+08839050 | 82..00+49769708 | 83..00+00109235 | 87..10+00001500 |
| 110017+BE000056 | 21.104+24845290 | 22.104+08853470 | 31..00+00164963 |
| 81..00+08837256 | 82..00+49772521 | 83..00+00109209 | 87..10+00001500 |
| 110018+BE000057 | 21.104+24446400 | 22.104+08904480 | 31..00+00104345 |
| 81..00+08896598 | 82..00+49787818 | 83..00+00107706 | 87..10+00001500 |
| 110019+BE000058 | 21.104+24637110 | 22.104+08942210 | 31..00+00104023 |
| 81..00+08895502 | 82..00+49790998 | 83..00+00106565 | 87..10+00001500 |
| 110020+BE000059 | 21.104+05821470 | 22.104+09235540 | 31..00+00059252 |
| 81..00+09041377 | 82..00+49863323 | 83..00+00103344 | 87..10+00001500 |
| 110021+BE000060 | 21.104+05539170 | 22.104+09220200 | 31..00+00060801 |
| 81..00+09041142 | 82..00+49866550 | 83..00+00103549 | 87..10+00001500 |
| 110022+CE000061 | 21.104+23257370 | 22.104+09055150 | 31..00+00008131 |
| 81..00+08984493 | 82..00+49827379 | 83..00+00105900 | 87..10+00001500 |
| 110023+CE000062 | 21.104+29948440 | 22.104+08829380 | 31..00+00031654 |
| 81..00+08963528 | 82..00+49848008 | 83..00+00106862 | 87..10+00001500 |
| 110024+CAC00063 | 21.104+27519150 | 22.104+08838180 | 31..00+00063270 |
| 81..00+08928004 | 82..00+49838142 | 83..00+00107534 | 87..10+00001500 |
| 110025+CAC00064 | 21.104+27106210 | 22.104+08811350 | 31..00+00071554 |
| 81..00+08919478 | 82..00+49833657 | 83..00+00108286 | 87..10+00001500 |
| 110026+CE000065 | 21.104+07724570 | 22.104+09123420 | 31..00+00057235 |
| 81..00+08893394 | 82..00+49768419 | 83..00+00107916 | 87..10+00001500 |
| 110027+CE000066 | 21.104+03402290 | 22.104+09030210 | 31..00+00068875 |
| 81..00+08876105 | 82..00+49813022 | 83..00+00108701 | 87..10+00001500 |
| 110028+PC000067 | 21.104+00752060 | 22.104+08959200 | 31..00+00045009 |
| 81..00+08843712 | 82..00+49800539 | 83..00+00109318 | 87..10+00001500 |
| 110029+PC000068 | 21.104+14232580 | 22.104+09052280 | 31..00+00003746 |
| 81..00+08839828 | 82..00+49752979 | 83..00+00109252 | 87..10+00001500 |
| 110030+PO000069 | 21.104+16519200 | 22.104+09005310 | 31..00+00019147 |
| 81..00+08842401 | 82..00+49737431 | 83..00+00109278 | 87..10+00001500 |

|                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|
| 110031+PO000070 | 21.104+17523030 | 22.104+09010440 | 31..00+00020256 |
| 81..00+08839180 | 82..00+49735762 | 83..00+00109246 | 87..10+00001500 |
| 110032+BE000071 | 21.104+15509040 | 22.104+09109420 | 31..00+00011464 |
| 81..00+08842367 | 82..00+49745552 | 83..00+00109077 | 87..10+00001500 |
| 110033+BE000072 | 21.104+18230450 | 22.104+09059420 | 31..00+00010635 |
| 81..00+08837084 | 82..00+49745330 | 83..00+00109124 | 87..10+00001500 |
| 110034+BE000073 | 21.104+19005110 | 22.104+09024290 | 31..00+00019098 |
| 81..00+08834205 | 82..00+49737150 | 83..00+00109173 | 87..10+00001500 |
| 110035+BE000074 | 21.104+04858230 | 22.104+09054450 | 31..00+00027258 |
| 81..00+08858111 | 82..00+49773843 | 83..00+00108875 | 87..10+00001500 |
| 110036+BE000075 | 21.104+05337220 | 22.104+09056580 | 31..00+00029170 |
| 81..00+08861033 | 82..00+49773251 | 83..00+00108826 | 87..10+00001500 |
| 110037+BE000076 | 21.104+04726150 | 22.104+09057550 | 31..00+00032910 |
| 81..00+08861786 | 82..00+49778210 | 83..00+00108755 | 87..10+00001500 |
| 110038+BE000077 | 21.104+27306250 | 22.104+09036250 | 31..00+00073036 |
| 81..00+08764625 | 82..00+49759912 | 83..00+00108536 | 87..10+00001500 |
| 110039+BE000078 | 21.104+27119260 | 22.104+09035060 | 31..00+00075960 |
| 81..00+08761614 | 82..00+49757709 | 83..00+00108533 | 87..10+00001500 |
| 110040+BE000079 | 21.104+27453460 | 22.104+09039370 | 31..00+00077381 |
| 81..00+08760456 | 82..00+49762557 | 83..00+00108418 | 87..10+00001500 |
| 110041+PC000080 | 21.104+26721030 | 22.104+09029090 | 31..00+00104262 |
| 81..00+08733403 | 82..00+49751135 | 83..00+00108425 | 87..10+00001500 |
| 110042+CE000081 | 21.104+23055360 | 22.104+09006420 | 31..00+00085084 |
| 81..00+08771496 | 82..00+49702324 | 83..00+00109143 | 87..10+00001500 |
| 110043+CE000082 | 21.104+26725240 | 22.104+09036140 | 31..00+00133962 |
| 81..00+08703731 | 82..00+49749932 | 83..00+00107898 | 87..10+00001500 |
| 110044+PC000083 | 21.104+26810350 | 22.104+09046560 | 31..00+00214300 |
| 81..00+08623379 | 82..00+49749135 | 83..00+00106386 | 87..10+00001500 |
| 110045+CE000084 | 21.104+26755400 | 22.104+09047000 | 31..00+00214178 |
| 81..00+08623532 | 82..00+49748211 | 83..00+00106382 | 87..10+00001500 |
| 110046+CE000085 | 21.104+27043390 | 22.104+09047320 | 31..00+00214866 |
| 81..00+08622722 | 82..00+49758683 | 83..00+00106341 | 87..10+00001500 |
| 110047+BE000086 | 21.104+27002140 | 22.104+09059440 | 31..00+00214701 |
| 81..00+08622882 | 82..00+49756093 | 83..00+00105581 | 87..10+00001500 |
| 110048+BE000087 | 21.104+26911560 | 22.104+09057350 | 31..00+00214936 |
| 81..00+08622665 | 82..00+49752949 | 83..00+00105711 | 87..10+00001500 |
| 110049+BE000088 | 21.104+26646410 | 22.104+09058310 | 31..00+00211781 |
| 81..00+08391355 | 82..00+49737341 | 83..00+00102328 | 87..10+00001500 |
| 110050+BE000089 | 21.104+26743060 | 22.104+09058300 | 31..00+00214334 |
| 81..00+08388638 | 82..00+49740711 | 83..00+00102286 | 87..10+00001500 |
| 110051+BE000090 | 21.104+26640160 | 22.104+09121000 | 31..00+00178206 |
| 81..00+08424915 | 82..00+49738897 | 83..00+00101734 | 87..10+00001500 |
| 110052+BE000091 | 21.104+26737140 | 22.104+09120380 | 31..00+00178109 |
| 81..00+08424864 | 82..00+49741849 | 83..00+00101755 | 87..10+00001500 |
| 110053+CE000092 | 21.104+26919590 | 22.104+09120060 | 31..00+00171348 |
| 81..00+08431481 | 82..00+49747248 | 83..00+00101940 | 87..10+00001500 |
| 110054+CE000093 | 21.104+26548100 | 22.104+09118480 | 31..00+00168063 |
| 81..00+08435202 | 82..00+49736945 | 83..00+00102080 | 87..10+00001500 |
| 110055+PC000094 | 21.104+26848400 | 22.104+09111070 | 31..00+00187675 |
| 81..00+08415176 | 82..00+49745349 | 83..00+00102051 | 87..10+00001500 |
| 110056+BE000095 | 21.104+26008010 | 22.104+08952100 | 31..00+00166376 |
| 81..00+08214016 | 82..00+49705046 | 83..00+00102832 | 87..10+00001500 |
| 110057+BE000096 | 21.104+26117130 | 22.104+08953380 | 31..00+00166307 |
| 81..00+08213543 | 82..00+49708361 | 83..00+00102761 | 87..10+00001500 |
| 110058+BE000097 | 21.104+26138290 | 22.104+09030570 | 31..00+00060729 |
| 81..00+08317850 | 82..00+49724726 | 83..00+00101905 | 87..10+00001500 |
| 110059+BE000098 | 21.104+26413030 | 22.104+09030200 | 31..00+00061361 |
| 81..00+08316884 | 82..00+49727371 | 83..00+00101911 | 87..10+00001500 |
| 110060+BE000099 | 21.104+07041150 | 22.104+09058090 | 31..00+00009225 |
| 81..00+08386635 | 82..00+49736603 | 83..00+00102296 | 87..10+00001500 |

|                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|
| 110061+BE000100 | 21.104+05423510 | 22.104+09034190 | 31..00+00012788 |
| 81..00+08388328 | 82..00+49740997 | 83..00+00102324 | 87..10+00001500 |
| 110062+CE000101 | 21.104+28347300 | 22.104+09042300 | 31..00+00029245 |
| 81..00+08349532 | 82..00+49740524 | 83..00+00102090 | 87..10+00001500 |
| 110063+CE000102 | 21.104+24518060 | 22.104+09003530 | 31..00+00025996 |
| 81..00+08354313 | 82..00+49722691 | 83..00+00102422 | 87..10+00001500 |
| 110064+BE000103 | 21.104+23758510 | 22.104+08900580 | 31..00+00106968 |
| 81..00+08114211 | 82..00+49642892 | 83..00+00104985 | 87..10+00001500 |
| 110065+BE000104 | 21.104+23928170 | 22.104+08900090 | 31..00+00107581 |
| 81..00+08112239 | 82..00+49644959 | 83..00+00105020 | 87..10+00001500 |
| 110066+BE000105 | 21.104+24301260 | 22.104+08858490 | 31..00+00072350 |
| 81..00+08140425 | 82..00+49666784 | 83..00+00104435 | 87..10+00001500 |
| 110067+BE000106 | 21.104+24533290 | 22.104+08907430 | 31..00+00072626 |
| 81..00+08138783 | 82..00+49669551 | 83..00+00104252 | 87..10+00001500 |
| 110068+BE000107 | 21.104+24904180 | 22.104+08925110 | 31..00+00044207 |
| 81..00+08163605 | 82..00+49683808 | 83..00+00103595 | 87..10+00001500 |
| 110069+BE000108 | 21.104+25652000 | 22.104+08923360 | 31..00+00040113 |
| 81..00+08165832 | 82..00+49690484 | 83..00+00103572 | 87..10+00001500 |
| 110070+CE000109 | 21.104+23101210 | 22.104+08859540 | 31..00+00028657 |
| 81..00+08182619 | 82..00+49681575 | 83..00+00103649 | 87..10+00001500 |
| 110071+CE000110 | 21.104+09423550 | 22.104+09028220 | 31..00+00014498 |
| 81..00+08219348 | 82..00+49698486 | 83..00+00103028 | 87..10+00001500 |
| 110072+CE000111 | 21.104+02719020 | 22.104+09141010 | 31..00+00026052 |
| 81..00+08216844 | 82..00+49722735 | 83..00+00102382 | 87..10+00001500 |
| 110073+CE000112 | 21.104+01932570 | 22.104+09046590 | 31..00+00022654 |
| 81..00+08212473 | 82..00+49720944 | 83..00+00102838 | 87..10+00001500 |
| 110074+CA000113 | 21.104+01134290 | 22.104+09114550 | 31..00+00024872 |
| 81..00+08209882 | 82..00+49723958 | 83..00+00102606 | 87..10+00001500 |
| 110075+CA000114 | 21.104+00219060 | 22.104+09117240 | 31..00+00028941 |
| 81..00+08206064 | 82..00+49728508 | 83..00+00102496 | 87..10+00001500 |
| 110076+CA000115 | 21.104+35613390 | 22.104+09104050 | 31..00+00036330 |
| 81..00+08202503 | 82..00+49735843 | 83..00+00102470 | 87..10+00001500 |
| 110077+CAC00116 | 21.104+29358160 | 22.104+09002300 | 31..00+00034969 |
| 81..00+08172940 | 82..00+49713805 | 83..00+00103122 | 87..10+00001500 |
| 110078+CA000117 | 21.104+25610550 | 22.104+08852140 | 31..00+00076780 |
| 81..00+08130350 | 82..00+49681264 | 83..00+00104661 | 87..10+00001500 |
| 110079+CA000118 | 21.104+25255550 | 22.104+08849510 | 31..00+00087241 |
| 81..00+08121512 | 82..00+49673998 | 83..00+00104928 | 87..10+00001500 |
| 110080+PC000119 | 21.104+27007580 | 22.104+08921220 | 31..00+00054919 |
| 81..00+08149978 | 82..00+49699726 | 83..00+00103764 | 87..10+00001500 |
| 110081+PC000120 | 21.104+28215010 | 22.104+08950500 | 31..00+00039721 |
| 81..00+08166076 | 82..00+49708027 | 83..00+00103254 | 87..10+00001500 |
| 110082+PC000121 | 21.104+05904340 | 22.104+09051040 | 31..00+00084304 |
| 81..00+08277205 | 82..00+49742916 | 83..00+00101895 | 87..10+00001500 |
| 110083+BE000122 | 21.104+21727200 | 22.104+08916550 | 31..00+00457366 |
| 81..00+07840452 | 82..00+49279217 | 83..00+00111049 | 87..10+00001500 |
| 110084+BE000123 | 21.104+21756350 | 22.104+08918060 | 31..00+00457397 |
| 81..00+07837354 | 82..00+49281570 | 83..00+00110891 | 87..10+00001500 |
| 110085+BE000124 | 21.104+21801290 | 22.104+08923420 | 31..00+00387760 |
| 81..00+07879728 | 82..00+49336817 | 83..00+00109406 | 87..10+00001500 |
| 110086+BE000125 | 21.104+21830190 | 22.104+08925070 | 31..00+00387315 |
| 81..00+07877453 | 82..00+49339177 | 83..00+00109244 | 87..10+00001500 |
| 110087+PC000126 | 21.104+22016150 | 22.104+08929300 | 31..00+00364343 |
| 81..00+07883074 | 82..00+49364275 | 83..00+00108545 | 87..10+00001500 |
| 110088+BE000127 | 21.104+21753530 | 22.104+08936190 | 31..00+00329677 |
| 81..00+07916076 | 82..00+49382112 | 83..00+00107581 | 87..10+00001500 |
| 110089+BE000128 | 21.104+21828440 | 22.104+08938030 | 31..00+00328828 |
| 81..00+07913976 | 82..00+49384843 | 83..00+00107409 | 87..10+00001500 |
| 110090+BE000129 | 21.104+21753100 | 22.104+08959370 | 31..00+00217000 |
| 81..00+07985318 | 82..00+49470993 | 83..00+00105331 | 87..10+00001500 |

|                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|
| 110091+BE000130 | 21.104+21842380 | 22.104+09000000 | 31..00+00217132 |
| 81..00+07982786 | 82..00+49472824 | 83..00+00105307 | 87..10+00001500 |
| 110092+PC000131 | 21.104+22051010 | 22.104+08929080 | 31..00+00215890 |
| 81..00+07977372 | 82..00+49478960 | 83..00+00105596 | 87..10+00003150 |
| 110093+CE000132 | 21.104+22016510 | 22.104+09002160 | 31..00+00165052 |
| 81..00+08011866 | 82..00+49516340 | 83..00+00105197 | 87..10+00001500 |
| 110094+CE000133 | 21.104+21615060 | 22.104+09009580 | 31..00+00168836 |
| 81..00+08018739 | 82..00+49506102 | 83..00+00104817 | 87..10+00001500 |
| 110095+BE000134 | 21.104+21830330 | 22.104+09020040 | 31..00+00090794 |
| 81..00+08062047 | 82..00+49571209 | 83..00+00104775 | 87..10+00001500 |
| 110096+BE000135 | 21.104+22040510 | 22.104+09020250 | 31..00+00091015 |
| 81..00+08059251 | 82..00+49573235 | 83..00+00104765 | 87..10+00001500 |
| 110097+CE000136 | 21.104+21542190 | 22.104+09026110 | 31..00+00090743 |
| 81..00+08065620 | 82..00+49568572 | 83..00+00104614 | 87..10+00001500 |
| 110098+CE000137 | 21.104+22458370 | 22.104+09018020 | 31..00+00089992 |
| 81..00+08054970 | 82..00+49578597 | 83..00+00104834 | 87..10+00001500 |
| 110099+PC000138 | 21.104+22333290 | 22.104+09019060 | 31..00+00077654 |
| 81..00+08065068 | 82..00+49585982 | 83..00+00104874 | 87..10+00001500 |
| 110100+CE000139 | 21.104+18934580 | 22.104+08946570 | 31..00+00003791 |
| 81..00+08117947 | 82..00+49638517 | 83..00+00105320 | 87..10+00001500 |
| 110101+BE000140 | 21.104+22156510 | 22.104+08900000 | 31..00+00439278 |
| 81..00+07554152 | 82..00+48958692 | 83..00+00118557 | 87..10+00001500 |
| 110102+BE000141 | 21.104+22218030 | 22.104+08900190 | 31..00+00438415 |
| 81..00+07552725 | 82..00+48961146 | 83..00+00118500 | 87..10+00001500 |
| 110103+BE000142 | 21.104+22123450 | 22.104+08857290 | 31..00+00399409 |
| 81..00+07583672 | 82..00+48985789 | 83..00+00118149 | 87..10+00001500 |
| 110104+BE000143 | 21.104+22146260 | 22.104+08858100 | 31..00+00398854 |
| 81..00+07582072 | 82..00+48987950 | 83..00+00118061 | 87..10+00001500 |
| 110105+PC000144 | 21.104+22306140 | 22.104+08856260 | 31..00+00364803 |
| 81..00+07598507 | 82..00+49019055 | 83..00+00117631 | 87..10+00001500 |
| 110106+CE000145 | 21.104+22013200 | 22.104+08851240 | 31..00+00358626 |
| 81..00+07616205 | 82..00+49011585 | 83..00+00118040 | 87..10+00001500 |
| 110107+CA000146 | 21.104+22357470 | 22.104+08857240 | 31..00+00349980 |
| 81..00+07604828 | 82..00+49033490 | 83..00+00117258 | 87..10+00001500 |
| 110108+CA000147 | 21.104+22355290 | 22.104+08857070 | 31..00+00363212 |
| 81..00+07595821 | 82..00+49023798 | 83..00+00117529 | 87..10+00001500 |
| 110109+BE000149 | 21.104+22138340 | 22.104+08854330 | 31..00+00299614 |
| 81..00+07648689 | 82..00+49061498 | 83..00+00116587 | 87..10+00001500 |
| 110110+BE000150 | 21.104+22208550 | 22.104+08855130 | 31..00+00298712 |
| 81..00+07647326 | 82..00+49063930 | 83..00+00116512 | 87..10+00001500 |
| 110111+BE000151 | 21.104+22047240 | 22.104+08853150 | 31..00+00265834 |
| 81..00+07674109 | 82..00+49084130 | 83..00+00116043 | 87..10+00001500 |
| 110112+BE000152 | 21.104+22130310 | 22.104+08854480 | 31..00+00265279 |
| 81..00+07671965 | 82..00+49086739 | 83..00+00115913 | 87..10+00001500 |
| 110113+PC000153 | 21.104+22434400 | 22.104+08855170 | 31..00+00262235 |
| 81..00+07663719 | 82..00+49098602 | 83..00+00115819 | 87..10+00001500 |
| 110114+MU000154 | 21.104+22426160 | 22.104+08853200 | 31..00+00238128 |
| 81..00+07681052 | 82..00+49115365 | 83..00+00115498 | 87..10+00001500 |
| 110115+BE000155 | 21.104+22035160 | 22.104+08854530 | 31..00+00238827 |
| 81..00+07692387 | 82..00+49104023 | 83..00+00115404 | 87..10+00001500 |
| 110116+BE000156 | 21.104+22114530 | 22.104+08855530 | 31..00+00238033 |
| 81..00+07690830 | 82..00+49106421 | 83..00+00115321 | 87..10+00001500 |
| 110117+BE000157 | 21.104+22118290 | 22.104+08854280 | 31..00+00142370 |
| 81..00+07753781 | 82..00+49178433 | 83..00+00113594 | 87..10+00001500 |
| 110118+BE000158 | 21.104+22235390 | 22.104+08902010 | 31..00+00141912 |
| 81..00+07751711 | 82..00+49180902 | 83..00+00113272 | 87..10+00001500 |
| 110119+MUC00159 | 21.104+22634100 | 22.104+08857290 | 31..00+00164370 |
| 81..00+07728396 | 82..00+49172376 | 83..00+00113869 | 87..10+00001500 |
| 110120+PC000160 | 21.104+22926540 | 22.104+08843500 | 31..00+00133120 |
| 81..00+07746621 | 82..00+49198833 | 83..00+00113177 | 87..10+00002150 |

|                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|
| 110121+CAC00161 | 21.104+24113150 | 22.104+08911180 | 31..00+00072069 |
| 81..00+07784583 | 82..00+49250664 | 83..00+00111899 | 87..10+00001500 |
| 110122+CA000162 | 21.104+24411390 | 22.104+08902530 | 31..00+00062005 |
| 81..00+07791930 | 82..00+49258369 | 83..00+00111909 | 87..10+00001500 |
| 110123+CA000163 | 21.104+25401370 | 22.104+08914160 | 31..00+00067262 |
| 81..00+07783084 | 82..00+49266849 | 83..00+00111773 | 87..10+00001500 |
| 110124+CA000164 | 21.104+26224100 | 22.104+08933230 | 31..00+00054039 |
| 81..00+07794181 | 82..00+49278213 | 83..00+00111297 | 87..10+00001500 |
| 110125+CA000165 | 21.104+27402390 | 22.104+08958280 | 31..00+00065512 |
| 81..00+07782395 | 82..00+49289978 | 83..00+00110908 | 87..10+00001500 |
| 110126+PC000166 | 21.104+24923110 | 22.104+08930350 | 31..00+00046490 |
| 81..00+07804232 | 82..00+49268990 | 83..00+00111276 | 87..10+00001500 |
| 110127+CA000167 | 21.104+30045360 | 22.104+09034160 | 31..00+00054578 |
| 81..00+07800846 | 82..00+49313270 | 83..00+00110334 | 87..10+00001500 |
| 110128+CAC00168 | 21.104+31641380 | 22.104+09038590 | 31..00+00054352 |
| 81..00+07810467 | 82..00+49324907 | 83..00+00110262 | 87..10+00001500 |
| 110129+CE000169 | 21.104+34249050 | 22.104+09115560 | 31..00+00043027 |
| 81..00+07835037 | 82..00+49326453 | 83..00+00109928 | 87..10+00001500 |
| 110130+CE000170 | 21.104+03959480 | 22.104+09122310 | 31..00+00030470 |
| 81..00+07867323 | 82..00+49308693 | 83..00+00110147 | 87..10+00001500 |
| 110131+CAC00171 | 21.104+24829120 | 22.104+08947220 | 31..00+00056572 |
| 81..00+07534428 | 82..00+48957632 | 83..00+00118830 | 87..10+00001500 |
| 110132+CA000172 | 21.104+25046120 | 22.104+08942530 | 31..00+00046847 |
| 81..00+07542826 | 82..00+48962948 | 83..00+00118855 | 87..10+00001500 |
| 110133+CA000173 | 21.104+25745360 | 22.104+08937270 | 31..00+00030009 |
| 81..00+07557733 | 82..00+48972015 | 83..00+00118819 | 87..10+00001500 |
| 110134+CA000174 | 21.104+26153240 | 22.104+08948170 | 31..00+00025082 |
| 81..00+07562227 | 82..00+48974839 | 83..00+00118708 | 87..10+00001500 |
| 110135+CA000175 | 21.104+26541340 | 22.104+08945110 | 31..00+00025805 |
| 81..00+07561327 | 82..00+48976439 | 83..00+00118733 | 87..10+00001500 |
| 110136+CA000176 | 21.104+28822350 | 22.104+09139530 | 31..00+00016603 |
| 81..00+07571309 | 82..00+48983609 | 83..00+00118140 | 87..10+00001500 |
| 110137+CA000177 | 21.104+29926200 | 22.104+09035560 | 31..00+00022753 |
| 81..00+07567245 | 82..00+48989560 | 83..00+00118384 | 87..10+00001500 |
| 110138+CA000178 | 21.104+23215000 | 22.104+08946190 | 31..00+00031021 |
| 81..00+07562531 | 82..00+48959386 | 83..00+00118746 | 87..10+00001500 |
| 110139+CAC00179 | 21.104+20812420 | 22.104+08651400 | 31..00+00006622 |
| 81..00+07583933 | 82..00+48972551 | 83..00+00118985 | 87..10+00001500 |
| 110140+CA000180 | 21.104+05635040 | 22.104+09012480 | 31..00+00021171 |
| 81..00+07604730 | 82..00+48990036 | 83..00+00118543 | 87..10+00001500 |
| 110141+CAC00181 | 21.104+05508200 | 22.104+09037240 | 31..00+00026628 |
| 81..00+07608907 | 82..00+48993596 | 83..00+00118332 | 87..10+00001500 |
| 110142+CA000182 | 21.104+33206000 | 22.104+09051060 | 31..00+00025159 |
| 81..00+07575288 | 82..00+49000609 | 83..00+00118248 | 87..10+00001500 |
| 110143+CA000183 | 21.104+34311370 | 22.104+09050470 | 31..00+00027384 |
| 81..00+07579142 | 82..00+49004588 | 83..00+00118218 | 87..10+00001500 |
| 110144+CA000184 | 21.104+35813420 | 22.104+09106410 | 31..00+00037747 |
| 81..00+07585892 | 82..00+49016099 | 83..00+00117890 | 87..10+00001500 |
| 110145+CA000185 | 21.104+00315230 | 22.104+09059330 | 31..00+00041557 |
| 81..00+07589420 | 82..00+49019861 | 83..00+00117902 | 87..10+00001500 |
| 110146+CA000186 | 21.104+01917560 | 22.104+09104320 | 31..00+00075900 |
| 81..00+07612140 | 82..00+49049999 | 83..00+00117197 | 87..10+00001500 |
| 110147+CA000187 | 21.104+02107050 | 22.104+09100070 | 31..00+00081339 |
| 81..00+07616361 | 82..00+49054242 | 83..00+00117200 | 87..10+00001500 |
| 110148+CA000188 | 21.104+02416370 | 22.104+09108120 | 31..00+00101561 |
| 81..00+07628808 | 82..00+49070939 | 83..00+00116608 | 87..10+00001500 |
| 110149+CA000189 | 21.104+02659560 | 22.104+09110560 | 31..00+00112688 |
| 81..00+07638206 | 82..00+49078763 | 83..00+00116297 | 87..10+00001500 |
| 110150+CAM00190 | 21.104+03021170 | 22.104+09101510 | 31..00+00133464 |
| 81..00+07654495 | 82..00+49093525 | 83..00+00116222 | 87..10+00001500 |

|                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|
| 110151+CA000191 | 21.104+02630290 | 22.104+09107230 | 31..00+00120541 |
| 81..00+07640850 | 82..00+49086225 | 83..00+00116260 | 87..10+00001500 |
| 110152+PC000192 | 21.104+24601280 | 22.104+09029020 | 31..00+00116464 |
| 81..00+07334037 | 82..00+48829897 | 83..00+00118673 | 87..10+00001500 |
| 110153+CA000193 | 21.104+26229170 | 22.104+09040210 | 31..00+00076906 |
| 81..00+07364209 | 82..00+48867166 | 83..00+00118754 | 87..10+00001500 |
| 110154+CA000194 | 21.104+26913320 | 22.104+09032540 | 31..00+00057099 |
| 81..00+07383358 | 82..00+48876448 | 83..00+00119110 | 87..10+00001500 |
| 110155+BE000195 | 21.104+26005160 | 22.104+09100100 | 31..00+00032334 |
| 81..00+07408603 | 82..00+48871654 | 83..00+00119090 | 87..10+00001500 |
| 110156+BE000196 | 21.104+25152330 | 22.104+09040000 | 31..00+00030686 |
| 81..00+07411288 | 82..00+48867674 | 83..00+00119299 | 87..10+00001500 |
| 110157+ES000197 | 21.104+31910360 | 22.104+09149480 | 31..00+00024438 |
| 81..00+07424482 | 82..00+48895702 | 83..00+00118876 | 87..10+00001500 |
| 110158+ES000198 | 21.104+33629170 | 22.104+09152110 | 31..00+00023561 |
| 81..00+07431054 | 82..00+48898813 | 83..00+00118888 | 87..10+00001500 |
| 110159+CA000199 | 21.104+01010490 | 22.104+09118480 | 31..00+00029064 |
| 81..00+07445585 | 82..00+48905818 | 83..00+00118990 | 87..10+00001500 |
| 110160+CA000200 | 21.104+03321460 | 22.104+09042470 | 31..00+00046280 |
| 81..00+07465898 | 82..00+48915869 | 83..00+00119080 | 87..10+00001500 |
| 110161+CA000201 | 21.104+04103360 | 22.104+09023190 | 31..00+00059716 |
| 81..00+07479673 | 82..00+48922245 | 83..00+00119251 | 87..10+00001500 |
| 110162+CA000202 | 21.104+04307560 | 22.104+09019150 | 31..00+00065591 |
| 81..00+07485292 | 82..00+48925085 | 83..00+00119289 | 87..10+00001500 |
| 110163+CAC00203 | 21.104+06011080 | 22.104+09018530 | 31..00+00147002 |
| 81..00+07567993 | 82..00+48950306 | 83..00+00118850 | 87..10+00001500 |
| 110164+PC000204 | 21.104+05902560 | 22.104+09013470 | 31..00+00132067 |
| 81..00+07553710 | 82..00+48945141 | 83..00+00119128 | 87..10+00001500 |
| 110165+PC000205 | 21.104+02438530 | 22.104+09153250 | 31..00+00011620 |
| 81..00+07445293 | 82..00+48887775 | 83..00+00119273 | 87..10+00001500 |
| 110166+CA000206 | 21.104+07211490 | 22.104+08855180 | 31..00+00024808 |
| 81..00+07464065 | 82..00+48884802 | 83..00+00120123 | 87..10+00001500 |
| 110167+CA000207 | 21.104+07511160 | 22.104+08832420 | 31..00+00019937 |
| 81..00+07459718 | 82..00+48882314 | 83..00+00120163 | 87..10+00001500 |
| 110168+CE000208 | 21.104+06814230 | 22.104+08955520 | 31..00+00017201 |
| 81..00+07456425 | 82..00+48883596 | 83..00+00119677 | 87..10+00001500 |
| 110169+CE000209 | 21.104+24601590 | 22.104+09117270 | 31..00+00246942 |
| 81..00+07106453 | 82..00+48730338 | 83..00+00113111 | 87..10+00001500 |
| 110170+CE000210 | 21.104+25006130 | 22.104+09120380 | 31..00+00251136 |
| 81..00+07095965 | 82..00+48745180 | 83..00+00112785 | 87..10+00001500 |
| 110171+BE000211 | 21.104+24700210 | 22.104+09111570 | 31..00+00280231 |
| 81..00+07074137 | 82..00+48721179 | 83..00+00112813 | 87..10+00001500 |
| 110172+BE000212 | 21.104+24629440 | 22.104+09112400 | 31..00+00278774 |
| 81..00+07076459 | 82..00+48719468 | 83..00+00112785 | 87..10+00001500 |
| 110173+BE000213 | 21.104+24710340 | 22.104+09123220 | 31..00+00246481 |
| 81..00+07104931 | 82..00+48735042 | 83..00+00112698 | 87..10+00001500 |
| 110174+BE000214 | 21.104+24752130 | 22.104+09124340 | 31..00+00245501 |
| 81..00+07104699 | 82..00+48738171 | 83..00+00112636 | 87..10+00001500 |
| 110175+BE000215 | 21.104+24645060 | 22.104+09119410 | 31..00+00128280 |
| 81..00+07214214 | 82..00+48780002 | 83..00+00115700 | 87..10+00001500 |
| 110176+BE000216 | 21.104+24808350 | 22.104+09120030 | 31..00+00127504 |
| 81..00+07213740 | 82..00+48783167 | 83..00+00115705 | 87..10+00001500 |
| 110177+CAC00217 | 21.104+25608560 | 22.104+09116360 | 31..00+00130484 |
| 81..00+07205388 | 82..00+48799392 | 83..00+00115766 | 87..10+00001500 |
| 110178+CA000218 | 21.104+26012180 | 22.104+09122280 | 31..00+00100196 |
| 81..00+07233340 | 82..00+48813582 | 83..00+00116269 | 87..10+00001500 |
| 110179+CE000219 | 21.104+24323400 | 22.104+09053070 | 31..00+00101631 |
| 81..00+07241188 | 82..00+48785113 | 83..00+00117103 | 87..10+00001500 |
| 110180+BE000220 | 21.104+24949090 | 22.104+09126540 | 31..00+00083536 |
| 81..00+07253664 | 82..00+48801813 | 83..00+00116561 | 87..10+00001500 |

110181+BE000221 21.104+25212070 22.104+09135130 31..00+00082787  
81..00+07253253 82..00+48805327 83..00+00116380 87..10+00001500  
110182+CAC00222 21.104+28552020 22.104+09123310 31..00+00030733  
81..00+07302494 82..00+48839022 83..00+00117926 87..10+00001500  
110183+CAM00223 21.104+29419500 22.104+09135430 31..00+00025861  
81..00+07308492 82..00+48841273 83..00+00117953 87..10+00001500  
110184+MU000224 21.104+33351040 22.104+09303000 31..00+00018274  
81..00+07324005 82..00+48847003 83..00+00117700 87..10+00001500  
110185+MU000225 21.104+33422110 22.104+09157010 31..00+00025965  
81..00+07320822 82..00+48854019 83..00+00117789 87..10+00001500  
110186+CE000226 21.104+35053120 22.104+09129090 31..00+00029621  
81..00+07327357 82..00+48859859 83..00+00117905 87..10+00001500  
110187+CE000227 21.104+00129400 22.104+09135510 31..00+00020034  
81..00+07332569 82..00+48850642 83..00+00118114 87..10+00001500  
110188+CE000228 21.104+01638390 22.104+09053320 31..00+00024307  
81..00+07339008 82..00+48853908 83..00+00118294 87..10+00001500  
110189+CE000229 21.104+09435380 22.104+08817100 31..00+00016576  
81..00+07348562 82..00+48829295 83..00+00119168 87..10+00001500  
110190+CE000230 21.104+10431560 22.104+08911370 31..00+00012956  
81..00+07344587 82..00+48827371 83..00+00118855 87..10+00001500  
110191+CE000231 21.104+12234240 22.104+08822260 31..00+00019588  
81..00+07348547 82..00+48820080 83..00+00119228 87..10+00001500  
110192+CE000232 21.104+13515440 22.104+08854530 31..00+00016136  
81..00+07343403 82..00+48819162 83..00+00118978 87..10+00001500  
110193+CE000233 21.104+11053530 22.104+09041240 31..00+00007023  
81..00+07338607 82..00+48828117 83..00+00118588 87..10+00001500  
110194+CE000234 21.104+23930080 22.104+09033580 31..00+00014563  
81..00+07319499 82..00+48823232 83..00+00118529 87..10+00001500  
110195+CA000235 21.104+21337380 22.104+08925330 31..00+00012364  
81..00+07325200 82..00+48820328 83..00+00118797 87..10+00001500  
110196+CA000236 21.104+22403260 22.104+08955060 31..00+00018063  
81..00+07319487 82..00+48817641 83..00+00118698 87..10+00001500  
110197+PC000237 21.104+23859510 22.104+09021500 31..00+00029665  
81..00+07306620 82..00+48815343 83..00+00118484 87..10+00001500  
110198+PC000238 21.104+11711170 22.104+08912320 31..00+00001900  
81..00+07333736 82..00+48829754 83..00+00118699 87..10+00001500  
110199+BE000239 21.104+04407330 22.104+09121530 31..00+00010377  
81..00+07339270 82..00+48838069 83..00+00118425 87..10+00001500  
110200+BE000240 21.104+00029220 22.104+09547520 31..00+00004573  
81..00+07332086 82..00+48835172 83..00+00118211 87..10+00001500  
110201+BE000241 21.104+10645130 22.104+09106470 31..00+00007731  
81..00+07339448 82..00+48828394 83..00+00118523 87..10+00001500  
110202+BE000242 21.104+09717210 22.104+09008020 31..00+00010426  
81..00+07342389 82..00+48829299 83..00+00118648 87..10+00001500  
110203+BE000243 21.104+33812460 22.104+09415260 31..00+00008962  
81..00+07328730 82..00+48838921 83..00+00118007 87..10+00001500  
110204+BE000244 21.104+33727180 22.104+09247470 31..00+00021706  
81..00+07323735 82..00+48850645 83..00+00117614 87..10+00001500  
110205+BE000245 21.104+35346070 22.104+09150460 31..00+00023211  
81..00+07329529 82..00+48853684 83..00+00117925 87..10+00001500  
110206+BE000246 21.104+01357050 22.104+09139530 31..00+00012599  
81..00+07335083 82..00+48842844 83..00+00118307 87..10+00001500  
110207+BE000247 21.104+22747360 22.104+08850100 31..00+00122687  
81..00+06986704 82..00+48635197 83..00+00115851 87..10+00001500  
110208+BE000248 21.104+22926320 22.104+08849460 31..00+00122297  
81..00+06984666 82..00+48638099 83..00+00115858 87..10+00001500  
110209+PC000249 21.104+23105590 22.104+08828160 31..00+00104054  
81..00+06996613 82..00+48652282 83..00+00116135 87..10+00001500  
110210+BE000250 21.104+22920460 22.104+08826460 31..00+00090751  
81..00+07008739 82..00+48658500 83..00+00115820 87..10+00001500

|                 |                 |                 |                  |
|-----------------|-----------------|-----------------|------------------|
| 110211+BE000251 | 21.104+23138370 | 22.104+08825040 | 31..00+00090460  |
| 81..00+07006654 | 82..00+48661488 | 83..00+00115857 | 87..10+00001500  |
| 110212+CE000252 | 21.104+22352250 | 22.104+08747250 | 31..00+00055933  |
| 81..00+07038826 | 82..00+48677311 | 83..00+00115515 | 87..10+00001500  |
| 110213+CE000253 | 21.104+23750410 | 22.104+08836520 | 31..00+00054291  |
| 81..00+07031613 | 82..00+48688715 | 83..00+00114672 | 87..10+00001500  |
| 110214+BE000254 | 21.104+24102220 | 22.104+09040130 | 31..00+00014367  |
| 81..00+07064993 | 82..00+48710645 | 83..00+00113191 | 87..10+00001500  |
| 110215+BE000255 | 21.104+25332540 | 22.104+09037480 | 31..00+00014384  |
| 81..00+07063769 | 82..00+48713528 | 83..00+00113201 | 87..10+00001500  |
| 110216+PC000256 | 21.104+07436280 | 22.104+08756300 | 31..00+00093941  |
| 81..00+07168076 | 82..00+48742518 | 83..00+00116733 | 87..10+00001500  |
| 110217+CE000257 | 21.104+04533410 | 22.104+08847360 | 31..00+00083363  |
| 81..00+07137071 | 82..00+48775954 | 83..00+00115114 | 87..10+00001500  |
| 110218+BE000258 | 21.104+22307320 | 22.104+08838440 | 31..00+00399107  |
| 81..00+06713501 | 82..00+48335185 | 83..00+00125971 | 87..10+00001500  |
| 110219+BE000259 | 21.104+22333480 | 22.104+08838440 | 31..00+00397401  |
| 81..00+06712461 | 82..00+48338511 | 83..00+00125930 | 87..10+00001500  |
| 110220+PC000260 | 21.104+22354180 | 22.104+08833480 | 31..00+00392070  |
| 81..00+06714453 | 82..00+48344000 | 83..00+00126367 | 87..10+00001500  |
| 110221+PC000261 | 21.104+22409030 | 22.104+08831140 | 31..00+00344589  |
| 81..00+06746313 | 82..00+48379230 | 83..00+00125431 | 87..10+00001500  |
| 110222+PC000262 | 21.104+22455390 | 22.104+08831250 | 31..00+00233634  |
| 81..00+06821316 | 82..00+48461034 | 83..00+00122551 | 87..10+00001500  |
| 110223+PC000263 | 21.104+22657440 | 22.104+08845390 | 31..00+00127395  |
| 81..00+06893165 | 82..00+48539468 | 83..00+00119283 | 87..10+00001500  |
| 110224+CE000264 | 21.104+23226070 | 22.104+08838090 | 31..00+00114617  |
| 81..00+06895430 | 82..00+48556534 | 83..00+00119256 | 87..10+00001500  |
| 110225+CE000265 | 21.104+23326450 | 22.104+08838090 | 31..00+00114663  |
| 81..00+06894175 | 82..00+48558120 | 83..00+00119258 | 87..10+00001500  |
| 110226+BE000266 | 21.104+22614000 | 22.104+08918200 | 31..00+00114073  |
| 81..00+06903884 | 82..00+48547490 | 83..00+00117911 | 87..10+00001500  |
| 110227+BE000267 | 21.104+22450350 | 22.104+08916470 | 31..00+000113065 |
| 81..00+06906533 | 82..00+48546230 | 83..00+00117949 | 87..10+00001500  |
| 110228+CA000268 | 21.104+21842020 | 22.104+08835470 | 31..00+00100691  |
| 81..00+06923319 | 82..00+48547833 | 83..00+00118994 | 87..10+00001500  |
| 110229+CA000269 | 21.104+21812020 | 22.104+08829550 | 31..00+00093898  |
| 81..00+06928208 | 82..00+48552627 | 83..00+00118988 | 87..10+00001500  |
| 110230+CE000270 | 21.104+21721130 | 22.104+08850300 | 31..00+00079356  |
| 81..00+06938118 | 82..00+48563324 | 83..00+00118132 | 87..10+00001500  |
| 110231+CE000271 | 21.104+21844200 | 22.104+08850320 | 31..00+00079357  |
| 81..00+06936607 | 82..00+48564505 | 83..00+00118131 | 87..10+00001500  |
| 110232+PC000272 | 21.104+22300040 | 22.104+08902170 | 31..00+00100889  |
| 81..00+06917459 | 82..00+48552618 | 83..00+00118222 | 87..10+00001500  |
| 110233-CA000273 | 21.104+22854080 | 22.104+08829560 | 31..00+00166637  |
| 81..00+06604998 | 82..00+48233773 | 83..00+00131238 | 87..10+00001500  |
| 110234-CA000274 | 21.104+22826420 | 22.104+08829560 | 31..00+00167006  |
| 81..00+06605600 | 82..00+48232531 | 83..00+00131247 | 87..10+00001500  |
| 110235-CA000275 | 21.104+22913520 | 22.104+08831200 | 31..00+00169593  |
| 81..00+06602133 | 82..00+48232565 | 83..00+00131246 | 87..10+00001500  |
| 110236+CE000276 | 21.104+22820420 | 22.104+08830170 | 31..00+00148942  |
| 81..00+06619285 | 82..00+48244314 | 83..00+00130758 | 87..10+00001500  |
| 110237+CE000277 | 21.104+22752300 | 22.104+08756060 | 31..00+00156608  |
| 81..00+06614453 | 82..00+48238297 | 83..00+00130865 | 87..10+00003150  |
| 110238+CE000278 | 21.104+22815480 | 22.104+08829560 | 31..00+00139192  |
| 81..00+06626700 | 82..00+48250645 | 83..00+00130517 | 87..10+00001500  |
| 110239+MF000279 | 21.104+22934400 | 22.104+08839040 | 31..00+00165327  |
| 81..00+06604705 | 82..00+48236103 | 83..00+00130764 | 87..10+00001500  |
| 110240+MF000280 | 21.104+23402140 | 22.104+08839560 | 31..00+00160741  |
| 81..00+06600462 | 82..00+48248903 | 83..00+00130616 | 87..10+00001500  |

|                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|
| 110241+PC000281 | 21.104+22833500 | 22.104+08824370 | 31..00+00118469 |
| 81..00+06641751 | 82..00+48264903 | 83..00+00130158 | 87..10+00001500 |
| 110242+BE000282 | 21.104+22932350 | 22.104+08835390 | 31..00+00108008 |
| 81..00+06648374 | 82..00+48273212 | 83..00+00129521 | 87..10+00001500 |
| 110243+BE000283 | 21.104+23128550 | 22.104+08843160 | 31..00+00107645 |
| 81..00+06646330 | 82..00+48276253 | 83..00+00129274 | 87..10+00001500 |
| 110244+CAC00284 | 21.104+18759200 | 22.104+08807440 | 31..00+00007222 |
| 81..00+06729529 | 82..00+48336125 | 83..00+00127107 | 87..10+00001500 |
| 110245+CA000285 | 21.104+12851400 | 22.104+08924120 | 31..00+00005234 |
| 81..00+06734607 | 82..00+48339989 | 83..00+00126926 | 87..10+00001500 |
| 110246+CA000286 | 21.104+07350250 | 22.104+09058050 | 31..00+00009500 |
| 81..00+06739656 | 82..00+48345917 | 83..00+00126711 | 87..10+00001500 |
| 110247+CA000287 | 21.104+06435160 | 22.104+09057110 | 31..00+00013515 |
| 81..00+06742738 | 82..00+48349072 | 83..00+00126646 | 87..10+00001500 |
| 110248+ES000288 | 21.104+04315480 | 22.104+09121200 | 31..00+00048176 |
| 81..00+06763540 | 82..00+48378345 | 83..00+00125731 | 87..10+00001500 |
| 110249+ES000289 | 21.104+04435100 | 22.104+09100030 | 31..00+00062749 |
| 81..00+06774574 | 82..00+48387955 | 83..00+00125125 | 87..10+00002150 |
| 110250+CA000290 | 21.104+01048350 | 22.104+09122410 | 31..00+00005058 |
| 81..00+06740017 | 82..00+48392949 | 83..00+00125655 | 87..10+00001500 |
| 110251+CA000291 | 21.104+35212450 | 22.104+09114470 | 31..00+00041267 |
| 81..00+06724942 | 82..00+48384150 | 83..00+00125974 | 87..10+00001500 |
| 110252+CA000292 | 21.104+33406310 | 22.104+09042090 | 31..00+00040671 |
| 81..00+06712774 | 82..00+48379859 | 83..00+00126372 | 87..10+00001500 |
| 110253+CAC00293 | 21.104+32627510 | 22.104+09032440 | 31..00+00040475 |
| 81..00+06708172 | 82..00+48377009 | 83..00+00126486 | 87..10+00001500 |
| 110254+CE000294 | 21.104+31656030 | 22.104+09045040 | 31..00+00041764 |
| 81..00+06702017 | 82..00+48373782 | 83..00+00126324 | 87..10+00001500 |
| 110255+CE000295 | 21.104+31835340 | 22.104+09029370 | 31..00+00045968 |
| 81..00+06700130 | 82..00+48377749 | 83..00+00126475 | 87..10+00001500 |
| 110256+PC000296 | 21.104+31538470 | 22.104+09045500 | 31..00+00040788 |
| 81..00+06702020 | 82..00+48372436 | 83..00+00126328 | 87..10+00001500 |
| 110257+CA000297 | 21.104+31336160 | 22.104+09005400 | 31..00+00024439 |
| 81..00+06712835 | 82..00+48360128 | 83..00+00126831 | 87..10+00001500 |
| 110258+CA000298 | 21.104+30229240 | 22.104+08943310 | 31..00+00017103 |
| 81..00+06716106 | 82..00+48352460 | 83..00+00126953 | 87..10+00001500 |
| 110259+CA000299 | 21.104+29337570 | 22.104+08938000 | 31..00+00019221 |
| 81..00+06712924 | 82..00+48350978 | 83..00+00126994 | 87..10+00001500 |
| 110260+CE000300 | 21.104+29219570 | 22.104+08954460 | 31..00+00031234 |
| 81..00+06701641 | 82..00+48355141 | 83..00+00126919 | 87..10+00001500 |
| 110261+CE000301 | 21.104+26927400 | 22.104+08931500 | 31..00+00023959 |
| 81..00+06706575 | 82..00+48343048 | 83..00+00127067 | 87..10+00001500 |
| 110262+CE000302 | 21.104+25220300 | 22.104+08909360 | 31..00+00025669 |
| 81..00+06706075 | 82..00+48335488 | 83..00+00127247 | 87..10+00001500 |
| 110263+CE000303 | 21.104+24307390 | 22.104+08925480 | 31..00+00032344 |
| 81..00+06701681 | 82..00+48328654 | 83..00+00127193 | 87..10+00001500 |
| 110264+ES000304 | 21.104+25138420 | 22.104+09036200 | 31..00+00105613 |
| 81..00+06501605 | 82..00+48203577 | 83..00+00129804 | 87..10+00001500 |
| 110265+ES000305 | 21.104+25219540 | 22.104+09026160 | 31..00+00084973 |
| 81..00+06520877 | 82..00+48211044 | 83..00+00130271 | 87..10+00001500 |
| 110266+ES000306 | 21.104+25505340 | 22.104+09029200 | 31..00+00085348 |
| 81..00+06519367 | 82..00+48214877 | 83..00+00130191 | 87..10+00001500 |
| 110267+PT000307 | 21.104+25518290 | 22.104+09029530 | 31..00+00082023 |
| 81..00+06522502 | 82..00+48216031 | 83..00+00130207 | 87..10+00001500 |
| 110268+PT000308 | 21.104+25545190 | 22.104+09036150 | 31..00+00075519 |
| 81..00+06528647 | 82..00+48218251 | 83..00+00130123 | 87..10+00001500 |
| 110268+PT000308 | 21.104+25545190 | 22.104+09036150 | 31..00+00075519 |
| 81..00+06528647 | 82..00+48218251 | 83..00+00130123 | 87..10+00001500 |
| 110269+PS000309 | 21.104+25956510 | 22.104+09037340 | 31..00+00072008 |
| 81..00+06530942 | 82..00+48224264 | 83..00+00130133 | 87..10+00001500 |

|                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|
| 110270+PS000310 | 21.104+26233350 | 22.104+09043360 | 31..00+00057846 |
| 81..00+06544486 | 82..00+48229342 | 83..00+00130186 | 87..10+00001500 |
| 110271+CH000311 | 21.104+26025320 | 22.104+09052030 | 31..00+00074527 |
| 81..00+06528360 | 82..00+48224438 | 83..00+00129792 | 87..10+00001500 |
| 110272+CA000312 | 21.104+26203360 | 22.104+09029070 | 31..00+00038434 |
| 81..00+06563776 | 82..00+48231523 | 83..00+00130594 | 87..10+00001500 |
| 110273+PC000313 | 21.104+26540260 | 22.104+09111160 | 31..00+00026732 |
| 81..00+06575190 | 82..00+48234816 | 83..00+00130365 | 87..10+00001500 |
| 110274+CAC00314 | 21.104+35012270 | 22.104+09123370 | 31..00+00014419 |
| 81..00+06599388 | 82..00+48251037 | 83..00+00130569 | 87..10+00001500 |
| 110275+PC000315 | 21.104+25243160 | 22.104+09029500 | 31..00+00076787 |
| 81..00+06528521 | 82..00+48214026 | 83..00+00130253 | 87..10+00001500 |
| 110276+PC000316 | 21.104+25030230 | 22.104+09031270 | 31..00+00114725 |
| 81..00+06493695 | 82..00+48198550 | 83..00+00129870 | 87..10+00001500 |
| 110277+MF000317 | 21.104+24955410 | 22.104+09104510 | 31..00+00058705 |
| 81..00+06385361 | 82..00+48147120 | 83..00+00129632 | 87..10+00001500 |
| 110278+MF000318 | 21.104+26346000 | 22.104+09114230 | 31..00+00058913 |
| 81..00+06381940 | 82..00+48160869 | 83..00+00129465 | 87..10+00001500 |
| 110279+PC000319 | 21.104+26614350 | 22.104+09101450 | 31..00+00048854 |
| 81..00+06391749 | 82..00+48164064 | 83..00+00129862 | 87..10+00001500 |
| 110280+CA000320 | 21.104+26739430 | 22.104+09049440 | 31..00+00047150 |
| 81..00+06393385 | 82..00+48165341 | 83..00+00130057 | 87..10+00001500 |
| 110281+PC000321 | 21.104+27930220 | 22.104+09058440 | 31..00+00024035 |
| 81..00+06416789 | 82..00+48171233 | 83..00+00130329 | 87..10+00001500 |
| 110282+PC000322 | 21.104+04000320 | 22.104+09050450 | 31..00+00022831 |
| 81..00+06455168 | 82..00+48184750 | 83..00+00130402 | 87..10+00001500 |
| 110283+MF000323 | 21.104+05742140 | 22.104+09051340 | 31..00+00055206 |
| 81..00+06487151 | 82..00+48196757 | 83..00+00129911 | 87..10+00001500 |
| 110284+MF000324 | 21.104+07003150 | 22.104+09036070 | 31..00+00025345 |
| 81..00+06464315 | 82..00+48175909 | 83..00+00130473 | 87..10+00001500 |
| 110285+MF000325 | 21.104+07046110 | 22.104+09036120 | 31..00+00021029 |
| 81..00+06460346 | 82..00+48174190 | 83..00+00130518 | 87..10+00001500 |
| 110286+MF000326 | 21.104+08552300 | 22.104+09006430 | 31..00+00022040 |
| 81..00+06462474 | 82..00+48168849 | 83..00+00130696 | 87..10+00001500 |
| 110287+MF000327 | 21.104+08616560 | 22.104+09044230 | 31..00+00005616 |
| 81..00+06446095 | 82..00+48167628 | 83..00+00130667 | 87..10+00001500 |
| 110288+MF000328 | 21.104+09726450 | 22.104+09006590 | 31..00+00009057 |
| 81..00+06449472 | 82..00+48166090 | 83..00+00130721 | 87..10+00001500 |
| 110289+MF000329 | 21.104+23632550 | 22.104+09034310 | 31..00+00009997 |
| 81..00+06432151 | 82..00+48161754 | 83..00+00130639 | 87..10+00001500 |
| 110290+MF000330 | 21.104+22634160 | 22.104+09036370 | 31..00+00013423 |
| 81..00+06430743 | 82..00+48158037 | 83..00+00130596 | 87..10+00001500 |
| 110291+MF000331 | 21.104+24313550 | 22.104+09022500 | 31..00+00022470 |
| 81..00+06420429 | 82..00+48157144 | 83..00+00130590 | 87..10+00001500 |
| 110292+MF000332 | 21.104+24518270 | 22.104+08952110 | 31..00+00026832 |
| 81..00+06416113 | 82..00+48156055 | 83..00+00130800 | 87..10+00001500 |
| 110293+MF000333 | 21.104+22858030 | 22.104+08949470 | 31..00+00023973 |
| 81..00+06422407 | 82..00+48151526 | 83..00+00130811 | 87..10+00001500 |
| 110294+CA000334 | 21.104+24141170 | 22.104+08913510 | 31..00+00023649 |
| 81..00+06419673 | 82..00+48156049 | 83..00+00131057 | 87..10+00001500 |
| 110295+CA000335 | 21.104+24339420 | 22.104+08932080 | 31..00+00027859 |
| 81..00+06415525 | 82..00+48154904 | 83..00+00130965 | 87..10+00001500 |
| 110296+CA000336 | 21.104+23010280 | 22.104+08903570 | 31..00+00025147 |
| 81..00+06421180 | 82..00+48151161 | 83..00+00131149 | 87..10+00001500 |
| 110297+CA000337 | 21.104+07327030 | 22.104+08946060 | 31..00+00022193 |
| 81..00+06461764 | 82..00+48173585 | 83..00+00130829 | 87..10+00001500 |
| 110298+CA000338 | 21.104+07228020 | 22.104+08956520 | 31..00+00026094 |
| 81..00+06465373 | 82..00+48175125 | 83..00+00130763 | 87..10+00001500 |
| 110299+CA000339 | 21.104+08330360 | 22.104+08942170 | 31..00+00022944 |
| 81..00+06463288 | 82..00+48169857 | 83..00+00130858 | 87..10+00001500 |

|                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|
| 110300+IG000340 | 21.104+15259000 | 22.104+08745290 | 31..00+00026248 |
| 81..00+06452405 | 82..00+48143898 | 83..00+00131766 | 87..10+00001500 |
| 110301+IG000341 | 21.104+16023150 | 22.104+08745530 | 31..00+00025882 |
| 81..00+06449172 | 82..00+48142902 | 83..00+00131749 | 87..10+00001500 |
| 110302+IG000342 | 21.104+16001130 | 22.104+08727580 | 31..00+00022862 |
| 81..00+06448295 | 82..00+48145799 | 83..00+00131750 | 87..10+00001500 |
| 110303+IG000343 | 21.104+16837580 | 22.104+08726170 | 31..00+00022892 |
| 81..00+06444998 | 82..00+48144844 | 83..00+00131763 | 87..10+00001500 |
| 110304+IG000344 | 21.104+16755070 | 22.104+08740240 | 31..00+00025993 |
| 81..00+06445927 | 82..00+48141868 | 83..00+00131795 | 87..10+00001500 |
| 110305+IG000345 | 21.104+17504260 | 22.104+08740210 | 31..00+00026579 |
| 81..00+06442771 | 82..00+48140805 | 83..00+00131819 | 87..10+00001500 |
| 110306+MU000346 | 21.104+26926040 | 22.104+09051310 | 31..00+00239315 |
| 81..00+06142642 | 82..00+48146435 | 83..00+00126046 | 87..10+00001500 |
| 110307+PC000347 | 21.104+27046400 | 22.104+09056250 | 31..00+00180770 |
| 81..00+06201190 | 82..00+48151250 | 83..00+00126663 | 87..10+00001500 |
| 110308+PC000348 | 21.104+29443400 | 22.104+09042030 | 31..00+00037331 |
| 81..00+06348014 | 82..00+48164410 | 83..00+00129173 | 87..10+00001500 |
| 110309+MUC00349 | 21.104+30004170 | 22.104+09030240 | 31..00+00038238 |
| 81..00+06348829 | 82..00+48167955 | 83..00+00129291 | 87..10+00001500 |
| 110310+CA000350 | 21.104+35352520 | 22.104+09018330 | 31..00+00022328 |
| 81..00+06379539 | 82..00+48170995 | 83..00+00129509 | 87..10+00001500 |
| 110311+CA000351 | 21.104+35404410 | 22.104+09024270 | 31..00+00026175 |
| 81..00+06379219 | 82..00+48174830 | 83..00+00129443 | 87..10+00001500 |
| 110312+CA000352 | 21.104+01546110 | 22.104+08908280 | 31..00+00026413 |
| 81..00+06389097 | 82..00+48174211 | 83..00+00130025 | 87..10+00001500 |
| 110313+CA000353 | 21.104+03241000 | 22.104+08846470 | 31..00+00020002 |
| 81..00+06392718 | 82..00+48165626 | 83..00+00130055 | 87..10+00001500 |
| 110314+CAC00354 | 21.104+10422510 | 22.104+08844550 | 31..00+00007320 |
| 81..00+06389008 | 82..00+48146977 | 83..00+00129789 | 87..10+00001500 |
| 110315+CA000355 | 21.104+24711150 | 22.104+08953160 | 31..00+00024465 |
| 81..00+06359367 | 82..00+48139310 | 83..00+00129677 | 87..10+00001500 |
| 110316+BE000356 | 21.104+01646420 | 22.104+09059500 | 31..00+00003954 |
| 81..00+06383060 | 82..00+48152580 | 83..00+00129561 | 87..10+00001500 |
| 110317+BE000357 | 21.104+35702030 | 22.104+09046540 | 31..00+00010376 |
| 81..00+06381382 | 82..00+48159156 | 83..00+00129488 | 87..10+00001500 |
| 110318+BE000359 | 21.104+24704140 | 22.104+08859330 | 31..00+00261503 |
| 81..00+05893254 | 82..00+48018507 | 83..00+00131388 | 87..10+00001500 |
| 110319+BE000360 | 21.104+24817380 | 22.104+08859110 | 31..00+00261249 |
| 81..00+05891370 | 82..00+48023764 | 83..00+00131412 | 87..10+00001500 |
| 110320+BE000361 | 21.104+24729270 | 22.104+08910010 | 31..00+00168748 |
| 81..00+05978180 | 82..00+48055776 | 83..00+00129240 | 87..10+00001500 |
| 110321+BE000362 | 21.104+24939160 | 22.104+08910260 | 31..00+00166112 |
| 81..00+05978324 | 82..00+48062622 | 83..00+00129182 | 87..10+00001500 |
| 110322+PC000363 | 21.104+25342300 | 22.104+08919050 | 31..00+00122104 |
| 81..00+06016864 | 82..00+48086119 | 83..00+00128239 | 87..10+00001500 |
| 110323+CA000364 | 21.104+25653210 | 22.104+08916250 | 31..00+00121045 |
| 81..00+06016176 | 82..00+48092916 | 83..00+00128321 | 87..10+00001500 |
| 110324+CA000365 | 21.104+25738520 | 22.104+08913290 | 31..00+00121342 |
| 81..00+06015534 | 82..00+48094415 | 83..00+00128429 | 87..10+00001500 |
| 110325+CA000366 | 21.104+25716090 | 22.104+08915350 | 31..00+00117228 |
| 81..00+06019720 | 82..00+48094539 | 83..00+00128301 | 87..10+00001500 |
| 110326+CE000367 | 21.104+25725240 | 22.104+08912400 | 31..00+00125578 |
| 81..00+06011503 | 82..00+48093030 | 83..00+00128515 | 87..10+00001500 |
| 110327+CE000368 | 21.104+25738140 | 22.104+08912420 | 31..00+00125671 |
| 81..00+06011312 | 82..00+48093467 | 83..00+00128516 | 87..10+00001500 |
| 110328+CE000369 | 21.104+25632190 | 22.104+08906410 | 31..00+00129605 |
| 81..00+06008028 | 82..00+48090204 | 83..00+00128797 | 87..10+00001500 |
| 110329+PC000370 | 21.104+24432380 | 22.104+08903120 | 31..00+00119117 |
| 81..00+06026519 | 82..00+48069178 | 83..00+00128755 | 87..10+00001500 |

|                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|
| 110330+MU000371 | 21.104+24426310 | 22.104+08906400 | 31..00+00106410 |
| 81..00+06038070 | 82..00+48074468 | 83..00+00128438 | 87..10+00001500 |
| 110331+MU000372 | 21.104+24250390 | 22.104+08912340 | 31..00+00073016 |
| 81..00+06069096 | 82..00+48087048 | 83..00+00127794 | 87..10+00001500 |
| 110332+PC000373 | 21.104+24506290 | 22.104+08912450 | 31..00+00069115 |
| 81..00+06071368 | 82..00+48091282 | 83..00+00127736 | 87..10+00001500 |
| 110333+PC000374 | 21.104+26318400 | 22.104+08937540 | 31..00+00073051 |
| 81..00+06061505 | 82..00+48111862 | 83..00+00127256 | 87..10+00001500 |
| 110334+PC000375 | 21.104+29258540 | 22.104+09047240 | 31..00+00030799 |
| 81..00+06105705 | 82..00+48132394 | 83..00+00126362 | 87..10+00001500 |
| 110335+PC000376 | 21.104+24828500 | 22.104+08938240 | 31..00+00024051 |
| 81..00+06111683 | 82..00+48111548 | 83..00+00126937 | 87..10+00001500 |
| 110336+BE000377 | 21.104+25845120 | 22.104+09022370 | 31..00+00029771 |
| 81..00+06104858 | 82..00+48114564 | 83..00+00126590 | 87..10+00001500 |
| 110337+BE000378 | 21.104+26531170 | 22.104+09025210 | 31..00+00030131 |
| 81..00+06104019 | 82..00+48118017 | 83..00+00126564 | 87..10+00001500 |
| 110338+MU000379 | 21.104+24313580 | 22.104+08912050 | 31..00+00018647 |
| 81..00+06117410 | 82..00+48111973 | 83..00+00127046 | 87..10+00001500 |
| 110339+MU000380 | 21.104+11358480 | 22.104+08837220 | 31..00+00009648 |
| 81..00+06142870 | 82..00+48116450 | 83..00+00127018 | 87..10+00001500 |
| 110340+MU000381 | 21.104+09951440 | 22.104+08917520 | 31..00+00008184 |
| 81..00+06142119 | 82..00+48118968 | 83..00+00126887 | 87..10+00001500 |
| 110341+MU000382 | 21.104+09113110 | 22.104+08945440 | 31..00+00015225 |
| 81..00+06149279 | 82..00+48120046 | 83..00+00126849 | 87..10+00001500 |
| 110342+PC000383 | 21.104+08846370 | 22.104+08959320 | 31..00+00018463 |
| 81..00+06152516 | 82..00+48120764 | 83..00+00126789 | 87..10+00001500 |
| 110343+CH000384 | 21.104+08501480 | 22.104+08958460 | 31..00+00032291 |
| 81..00+06166226 | 82..00+48123167 | 83..00+00126798 | 87..10+00001500 |
| 110344+MU000385 | 21.104+34247010 | 22.104+09132070 | 31..00+00025682 |
| 81..00+06126458 | 82..00+48144893 | 83..00+00126098 | 87..10+00001500 |
| 110345+MU000386 | 21.104+34100030 | 22.104+09146390 | 31..00+00032320 |
| 81..00+06123540 | 82..00+48150914 | 83..00+00125784 | 87..10+00001500 |
| 110346+CA000387 | 21.104+33401120 | 22.104+09121200 | 31..00+00031601 |
| 81..00+06120218 | 82..00+48148770 | 83..00+00126038 | 87..10+00001500 |
| 110347+CA000388 | 21.104+33341380 | 22.104+09110540 | 31..00+00022874 |
| 81..00+06123922 | 82..00+48140871 | 83..00+00126314 | 87..10+00001500 |
| 110348+CA000389 | 21.104+32739110 | 22.104+09107180 | 31..00+00023034 |
| 81..00+06121736 | 82..00+48139826 | 83..00+00126335 | 87..10+00001500 |
| 110349+BE000390 | 21.104+24610230 | 22.104+08827100 | 31..00+00250745 |
| 81..00+05678506 | 82..00+47919006 | 83..00+00138138 | 87..10+00001500 |
| 110350+BE000391 | 21.104+24653030 | 22.104+08828160 | 31..00+00250640 |
| 81..00+05677362 | 82..00+47921900 | 83..00+00138055 | 87..10+00001500 |
| 110351+PC000392 | 21.104+24951080 | 22.104+08826380 | 31..00+00250199 |
| 81..00+05672994 | 82..00+47934118 | 83..00+00138161 | 87..10+00001500 |
| 110352+PC000393 | 21.104+24730490 | 22.104+08820380 | 31..00+00202218 |
| 81..00+05721032 | 82..00+47942955 | 83..00+00137210 | 87..10+00001500 |
| 110353+PC000394 | 21.104+25053340 | 22.104+08818180 | 31..00+00195162 |
| 81..00+05723468 | 82..00+47956408 | 83..00+00137140 | 87..10+00001500 |
| 110354+PC000395 | 21.104+24805190 | 22.104+08824450 | 31..00+00169729 |
| 81..00+05750389 | 82..00+47956950 | 83..00+00136068 | 87..10+00001500 |
| 110355+BE000396 | 21.104+24619490 | 22.104+08827400 | 31..00+00178065 |
| 81..00+05744770 | 82..00+47948803 | 83..00+00136148 | 87..10+00001500 |
| 110356+BE000397 | 21.104+24455140 | 22.104+08823180 | 31..00+00177469 |
| 81..00+05747122 | 82..00+47945069 | 83..00+00136357 | 87..10+00001500 |
| 110357+PC000398 | 21.104+25210030 | 22.104+08824170 | 31..00+00157904 |
| 81..00+05757537 | 82..00+47971927 | 83..00+00135761 | 87..10+00001500 |
| 110358+PC000399 | 21.104+25041190 | 22.104+08833210 | 31..00+00103973 |
| 81..00+05809705 | 82..00+47985890 | 83..00+00133985 | 87..10+00001500 |
| 110359+PC000400 | 21.104+25521160 | 22.104+08835520 | 31..00+00107394 |
| 81..00+05803923 | 82..00+47993118 | 83..00+00133993 | 87..10+00001500 |

|                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|
| 110360+BE000401 | 21.104+24659080 | 22.104+08847070 | 31..00+00096505 |
| 81..00+05818993 | 82..00+47982542 | 83..00+00133411 | 87..10+00001500 |
| 110361+BE000402 | 21.104+24457000 | 22.104+08847040 | 31..00+00093632 |
| 81..00+05822992 | 82..00+47980628 | 83..00+00133351 | 87..10+00001500 |
| 110362+PC000403 | 21.104+24309560 | 22.104+08840340 | 31..00+00083088 |
| 81..00+05833676 | 82..00+47982767 | 83..00+00133284 | 87..10+00001500 |
| 110363+PC000404 | 21.104+24037440 | 22.104+08902590 | 31..00+00041799 |
| 81..00+05871375 | 82..00+47999765 | 83..00+00132058 | 87..10+00001500 |
| 110364+PC000405 | 21.104+27023500 | 22.104+08926580 | 31..00+00047417 |
| 81..00+05860384 | 82..00+48020592 | 83..00+00131820 | 87..10+00001500 |
| 110365+PC000406 | 21.104+00333070 | 22.104+09101450 | 31..00+00013482 |
| 81..00+05908632 | 82..00+48033717 | 83..00+00131122 | 87..10+00001500 |
| 110366+PC000407 | 21.104+34917550 | 22.104+09035300 | 31..00+00021520 |
| 81..00+05903801 | 82..00+48041407 | 83..00+00131142 | 87..10+00001500 |
| 110367+PC000408 | 21.104+17014130 | 22.104+08851430 | 31..00+00003876 |
| 81..00+05908454 | 82..00+48016444 | 83..00+00131442 | 87..10+00001500 |
| 110368+BE000409 | 21.104+26658430 | 22.104+08947360 | 31..00+00091871 |
| 81..00+05583401 | 82..00+47899864 | 83..00+00139405 | 87..10+00001500 |
| 110369+BE000410 | 21.104+26917300 | 22.104+08950480 | 31..00+00091642 |
| 81..00+05583508 | 82..00+47903573 | 83..00+00139318 | 87..10+00001500 |
| 110370+BE000411 | 21.104+26527100 | 22.104+08935530 | 31..00+00063103 |
| 81..00+05612240 | 82..00+47899704 | 83..00+00139516 | 87..10+00001500 |
| 110371+BE000412 | 21.104+26852440 | 22.104+08946300 | 31..00+00063205 |
| 81..00+05611951 | 82..00+47903470 | 83..00+00139322 | 87..10+00001500 |
| 110372+BE000413 | 21.104+27604250 | 22.104+09001510 | 31..00+00036988 |
| 81..00+05638363 | 82..00+47908620 | 83..00+00139053 | 87..10+00001500 |
| 110373+BE000414 | 21.104+27135300 | 22.104+08944320 | 31..00+00035088 |
| 81..00+05640069 | 82..00+47905681 | 83..00+00139231 | 87..10+00001500 |
| 110374+PC000415 | 21.104+27903180 | 22.104+08936480 | 31..00+00050992 |
| 81..00+05624788 | 82..00+47912731 | 83..00+00139417 | 87..10+00001500 |
| 110375+PC000416 | 21.104+26147190 | 22.104+08911500 | 31..00+00048863 |
| 81..00+05626786 | 82..00+47897728 | 83..00+00139758 | 87..10+00001500 |
| 110376+CE000417 | 21.104+28118130 | 22.104+09050220 | 31..00+00317436 |
| 81..00+05258000 | 82..00+47957420 | 83..00+00135147 | 87..10+00001500 |
| 110377+CE000418 | 21.104+27636060 | 22.104+09044440 | 31..00+00321110 |
| 81..00+05250292 | 82..00+47932121 | 83..00+00135621 | 87..10+00001500 |
| 110378+BE000419 | 21.104+27753490 | 22.104+09048570 | 31..00+00317949 |
| 81..00+05254343 | 82..00+47938866 | 83..00+00135272 | 87..10+00001500 |
| 110379+BE000420 | 21.104+27905190 | 22.104+09049090 | 31..00+00318285 |
| 81..00+05254988 | 82..00+47945477 | 83..00+00135247 | 87..10+00001500 |
| 110380+CE000421 | 21.104+27613010 | 22.104+09043390 | 31..00+00287976 |
| 81..00+05282986 | 82..00+47926390 | 83..00+00136141 | 87..10+00001500 |
| 110381+BE000422 | 21.104+27752180 | 22.104+09050490 | 31..00+00243510 |
| 81..00+05328056 | 82..00+47928551 | 83..00+00136197 | 87..10+00001500 |
| 110382+BE000423 | 21.104+27907300 | 22.104+09050200 | 31..00+00242864 |
| 81..00+05329480 | 82..00+47933717 | 83..00+00136239 | 87..10+00001500 |
| 110383+CE000424 | 21.104+28242340 | 22.104+09100140 | 31..00+00127625 |
| 81..00+05444767 | 82..00+47923278 | 83..00+00137558 | 87..10+00001500 |
| 110384+CE000425 | 21.104+28353040 | 22.104+09101280 | 31..00+00129517 |
| 81..00+05443532 | 82..00+47926279 | 83..00+00137479 | 87..10+00001500 |
| 110385+CE000426 | 21.104+28429170 | 22.104+09101450 | 31..00+00121866 |
| 81..00+05451274 | 82..00+47925688 | 83..00+00137605 | 87..10+00001500 |
| 110386+CE000427 | 21.104+28315080 | 22.104+09101450 | 31..00+00119491 |
| 81..00+05452955 | 82..00+47922592 | 83..00+00137647 | 87..10+00001500 |
| 110387+BE000428 | 21.104+27714380 | 22.104+09058250 | 31..00+00144456 |
| 81..00+05425962 | 82..00+47913418 | 83..00+00137339 | 87..10+00001500 |
| 110388+BE000429 | 21.104+28010310 | 22.104+09057520 | 31..00+00146930 |
| 81..00+05424647 | 82..00+47921158 | 83..00+00137321 | 87..10+00001500 |
| 110389+BE000430 | 21.104+27614410 | 22.104+09059370 | 31..00+00130881 |
| 81..00+05439161 | 82..00+47909439 | 83..00+00137524 | 87..10+00001500 |

|                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|
| 110390+BE000431 | 21.104+27804060 | 22.104+09102070 | 31..00+00122230 |
| 81..00+05448245 | 82..00+47912358 | 83..00+00137585 | 87..10+00001500 |
| 110391+BE000432 | 21.104+27432250 | 22.104+09059370 | 31..00+00120821 |
| 81..00+05448821 | 82..00+47904768 | 83..00+00137698 | 87..10+00001500 |
| 110392+BE000433 | 21.104+27111010 | 22.104+09058530 | 31..00+00111339 |
| 81..00+05457946 | 82..00+47897504 | 83..00+00137886 | 87..10+00001500 |
| 110393+BE000434 | 21.104+26933580 | 22.104+09052090 | 31..00+00098066 |
| 81..00+05471193 | 82..00+47894462 | 83..00+00138306 | 87..10+00001500 |
| 110394+BE000435 | 21.104+27908200 | 22.104+09112050 | 31..00+00083751 |
| 81..00+05486575 | 82..00+47908504 | 83..00+00138037 | 87..10+00001500 |
| 110395+BE000436 | 21.104+28257450 | 22.104+09115110 | 31..00+00083364 |
| 81..00+05488025 | 82..00+47913900 | 83..00+00137971 | 87..10+00001500 |
| 110396+BE000437 | 21.104+27936580 | 22.104+09120050 | 31..00+00063355 |
| 81..00+05506797 | 82..00+47905785 | 83..00+00138317 | 87..10+00001500 |
| 110397+BE000438 | 21.104+27634210 | 22.104+09106520 | 31..00+00074467 |
| 81..00+05495282 | 82..00+47903726 | 83..00+00138345 | 87..10+00001500 |
| 110398+BE000439 | 21.104+27151320 | 22.104+09058270 | 31..00+00087005 |
| 81..00+05482299 | 82..00+47898026 | 83..00+00138314 | 87..10+00001500 |
| 110399+BE000440 | 21.104+26703170 | 22.104+09035060 | 31..00+00095438 |
| 81..00+05473938 | 82..00+47890301 | 83..00+00138319 | 87..10+00002000 |
| 110400+CE000441 | 21.104+26641390 | 22.104+09027120 | 31..00+00091988 |
| 81..00+05477413 | 82..00+47889900 | 83..00+00138565 | 87..10+00002000 |
| 110401+CE000442 | 21.104+26546060 | 22.104+09034090 | 31..00+00096562 |
| 81..00+05472951 | 82..00+47888080 | 83..00+00138334 | 87..10+00002000 |
| 110402+CE000443 | 21.104+26043130 | 22.104+09025210 | 31..00+00094061 |
| 81..00+05476417 | 82..00+47880038 | 83..00+00138600 | 87..10+00002000 |
| 110403+CE000444 | 21.104+26047090 | 22.104+09022270 | 31..00+00103810 |
| 81..00+05466776 | 82..00+47878583 | 83..00+00138615 | 87..10+00002000 |
| 110404+CE000445 | 21.104+27031510 | 22.104+09034440 | 31..00+00111172 |
| 81..00+05458083 | 82..00+47896235 | 83..00+00138171 | 87..10+00002000 |
| 110405+CE000446 | 21.104+27135080 | 22.104+09042420 | 31..00+00028177 |
| 81..00+05541081 | 82..00+47895984 | 83..00+00139443 | 87..10+00001500 |
| 110406+CE000447 | 21.104+09533560 | 22.104+08902290 | 31..00+00016305 |
| 81..00+05585471 | 82..00+47893623 | 83..00+00140066 | 87..10+00001500 |
| 110407+CE000448 | 21.104+11543010 | 22.104+08848420 | 31..00+00022972 |
| 81..00+05589937 | 82..00+47885238 | 83..00+00140270 | 87..10+00001500 |
| 110408+CA000449 | 21.104+08951400 | 22.104+09012040 | 31..00+00085032 |
| 81..00+05654277 | 82..00+47895410 | 83..00+00139495 | 87..10+00001500 |
| 110409+CA000450 | 21.104+08718160 | 22.104+09018410 | 31..00+00095243 |
| 81..00+05664381 | 82..00+47899682 | 83..00+00139275 | 87..10+00001500 |
| 110410+CA000451 | 21.104+06948210 | 22.104+09030480 | 31..00+00054808 |
| 81..00+05620682 | 82..00+47914123 | 83..00+00139302 | 87..10+00001500 |
| 110411+CA000452 | 21.104+06908140 | 22.104+09021120 | 31..00+00043755 |
| 81..00+05610130 | 82..00+47910786 | 83..00+00139523 | 87..10+00001500 |
| 110412+BE000454 | 21.104+26538120 | 22.104+09105270 | 31..00+00383560 |
| 81..00+04539847 | 82..00+47961862 | 83..00+00119240 | 87..10+00001500 |
| 110413+BE000455 | 21.104+26612370 | 22.104+09104570 | 31..00+00383503 |
| 81..00+04539629 | 82..00+47965697 | 83..00+00119297 | 87..10+00001500 |
| 110414+PC000456 | 21.104+26517200 | 22.104+09106530 | 31..00+00380619 |
| 81..00+04542964 | 82..00+47959783 | 83..00+00119136 | 87..10+00001500 |
| 110415+PC000457 | 21.104+26734570 | 22.104+09113490 | 31..00+00298334 |
| 81..00+04624226 | 82..00+47978458 | 83..00+00120135 | 87..10+00001500 |
| 110416+CE000458 | 21.104+26730230 | 22.104+09112570 | 31..00+00296781 |
| 81..00+04625793 | 82..00+47978130 | 83..00+00120241 | 87..10+00001500 |
| 110417+CE000459 | 21.104+26800440 | 22.104+09112550 | 31..00+00299020 |
| 81..00+04623453 | 82..00+47980669 | 83..00+00120196 | 87..10+00001500 |
| 110418+CE000460 | 21.104+26804210 | 22.104+09110270 | 31..00+00302653 |
| 81..00+04619808 | 82..00+47980860 | 83..00+00120336 | 87..10+00001500 |
| 110419+CE000461 | 21.104+26729210 | 22.104+09111480 | 31..00+00310476 |
| 81..00+04612116 | 82..00+47977441 | 83..00+00120055 | 87..10+00001500 |

|                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|
| 110420+BE000462 | 21.104+26621260 | 22.104+09113060 | 31..00+00298768 |
| 81..00+04624129 | 82..00+47972061 | 83..00+00120185 | 87..10+00001500 |
| 110421+BE000463 | 21.104+26703300 | 22.104+09113080 | 31..00+00297479 |
| 81..00+04625206 | 82..00+47975775 | 83..00+00120212 | 87..10+00001500 |
| 110422+BE000464 | 21.104+26635420 | 22.104+09119270 | 31..00+00230708 |
| 81..00+04691987 | 82..00+47977340 | 83..00+00121205 | 87..10+00001500 |
| 110423+BE000465 | 21.104+26544430 | 22.104+09118070 | 31..00+00233565 |
| 81..00+04689364 | 82..00+47973714 | 83..00+00121230 | 87..10+00001500 |
| 110424+BE000466 | 21.104+26455180 | 22.104+09120140 | 31..00+00244825 |
| 81..00+04678428 | 82..00+47969374 | 83..00+00120824 | 87..10+00001500 |
| 110425+BE000467 | 21.104+26457110 | 22.104+09114420 | 31..00+00231382 |
| 81..00+04691795 | 82..00+47970688 | 83..00+00121509 | 87..10+00001500 |
| 110426+BE000468 | 21.104+26520160 | 22.104+09116450 | 31..00+00224212 |
| 81..00+04698812 | 82..00+47972818 | 83..00+00121531 | 87..10+00001500 |
| 110427+BE000469 | 21.104+26556570 | 22.104+09121020 | 31..00+00208614 |
| 81..00+04714190 | 82..00+47976306 | 83..00+00121620 | 87..10+00001500 |
| 110428+BE000470 | 21.104+26639440 | 22.104+09122330 | 31..00+00178922 |
| 81..00+04743659 | 82..00+47980624 | 83..00+00122239 | 87..10+00001500 |
| 110429+BE000471 | 21.104+26828050 | 22.104+09126010 | 31..00+00178631 |
| 81..00+04743714 | 82..00+47986264 | 83..00+00122067 | 87..10+00001500 |
| 110430+PC000472 | 21.104+26927470 | 22.104+09122560 | 31..00+00179239 |
| 81..00+04743047 | 82..00+47989359 | 83..00+00122212 | 87..10+00001500 |
| 110431+CE000473 | 21.104+26907490 | 22.104+09114580 | 31..00+00204687 |
| 81..00+04717611 | 82..00+47987933 | 83..00+00122072 | 87..10+00001500 |
| 110432+CAC00474 | 21.104+28102470 | 22.104+09101420 | 31..00+00078841 |
| 81..00+04844858 | 82..00+48006142 | 83..00+00125120 | 87..10+00001500 |
| 110433+CA000475 | 21.104+28513480 | 22.104+09104550 | 31..00+00065434 |
| 81..00+04859101 | 82..00+48008223 | 83..00+00125299 | 87..10+00001500 |
| 110434+CA000476 | 21.104+29532120 | 22.104+09101020 | 31..00+00046734 |
| 81..00+04880064 | 82..00+48011181 | 83..00+00125705 | 87..10+00001500 |
| 110435+CAC00477 | 21.104+30408470 | 22.104+09100030 | 31..00+00038617 |
| 81..00+04890272 | 82..00+48012710 | 83..00+00125860 | 87..10+00001500 |
| 110436+CE000478 | 21.104+26443420 | 22.104+09047540 | 31..00+00037829 |
| 81..00+04884560 | 82..00+47987562 | 83..00+00126007 | 87..10+00001500 |
| 110437+PC000479 | 21.104+27839350 | 22.104+09118350 | 31..00+00082946 |
| 81..00+04840248 | 82..00+48003523 | 83..00+00124639 | 87..10+00001500 |
| 110438+BE000480 | 21.104+25058470 | 22.104+09011220 | 31..00+00082137 |
| 81..00+04341956 | 82..00+47897147 | 83..00+00118596 | 87..10+00001500 |
| 110439+BE000481 | 21.104+25239110 | 22.104+09011200 | 31..00+00187279 |
| 81..00+04335389 | 82..00+47900668 | 83..00+00118581 | 87..10+00001500 |
| 110440+PC000482 | 21.104+25526310 | 22.104+09003200 | 31..00+00137396 |
| 81..00+04381164 | 82..00+47921970 | 83..00+00119064 | 87..10+00001500 |
| 110441+BE000483 | 21.104+25606120 | 22.104+09003580 | 31..00+00114448 |
| 81..00+04403050 | 82..00+47929018 | 83..00+00119065 | 87..10+00001500 |
| 110442+BE000484 | 21.104+25216090 | 22.104+09003090 | 31..00+00110622 |
| 81..00+04408781 | 82..00+47922816 | 83..00+00119096 | 87..10+00001500 |
| 110443+BE000485 | 21.104+25625130 | 22.104+09012290 | 31..00+00056735 |
| 81..00+04459001 | 82..00+47943184 | 83..00+00118991 | 87..10+00001500 |
| 110444+BE000486 | 21.104+26406170 | 22.104+09017430 | 31..00+00055072 |
| 81..00+04459369 | 82..00+47950849 | 83..00+00118913 | 87..10+00001500 |
| 110445+CE000487 | 21.104+26658400 | 22.104+09017240 | 31..00+00054631 |
| 81..00+04459595 | 82..00+47953625 | 83..00+00118921 | 87..10+00001500 |
| 110446+CE000488 | 21.104+24601530 | 22.104+08949070 | 31..00+00049448 |
| 81..00+04468965 | 82..00+47936418 | 83..00+00119353 | 87..10+00001500 |
| 110447+PC000489 | 21.104+25250390 | 22.104+08959400 | 31..00+00047799 |
| 81..00+04468476 | 82..00+47942406 | 83..00+00119202 | 87..10+00001500 |
| 110448+CE000490 | 21.104+08657210 | 22.104+08929300 | 31..00+00111591 |
| 81..00+04625578 | 82..00+47962430 | 83..00+00120187 | 87..10+00001500 |
| 110449+CE000491 | 21.104+23426570 | 22.104+09036170 | 31..00+00026902 |
| 81..00+04303315 | 82..00+47869529 | 83..00+00118935 | 87..10+00001500 |

|                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|
| 110450+CE000492 | 21.104+26514450 | 22.104+09147500 | 31..00+00031749 |
| 81..00+04293578 | 82..00+47882540 | 83..00+00118224 | 87..10+00001500 |
| 110451+CE000493 | 21.104+23413450 | 22.104+08807400 | 31..00+00007456 |
| 81..00+04319156 | 82..00+47880814 | 83..00+00119463 | 87..10+00001500 |
| 110452+BE000494 | 21.104+23702220 | 22.104+09017510 | 31..00+00033942 |
| 81..00+04296723 | 82..00+47866704 | 83..00+00119043 | 87..10+00001500 |
| 110453+BE000495 | 21.104+24250120 | 22.104+09007290 | 31..00+00035704 |
| 81..00+04293435 | 82..00+47868870 | 83..00+00119142 | 87..10+00001500 |
| 110454+BE000496 | 21.104+26202070 | 22.104+09042250 | 31..00+00016846 |
| 81..00+04308520 | 82..00+47882836 | 83..00+00119012 | 87..10+00001500 |
| 110455+BE000497 | 21.104+24727530 | 22.104+09057030 | 31..00+00014833 |
| 81..00+04311504 | 82..00+47879486 | 83..00+00118973 | 87..10+00001500 |
| 110456+BE000498 | 21.104+04242020 | 22.104+09238360 | 31..00+00011018 |
| 81..00+04332666 | 82..00+47893258 | 83..00+00118711 | 87..10+00001500 |
| 110457+BE000499 | 21.104+02314180 | 22.104+09205130 | 31..00+00012966 |
| 81..00+04330315 | 82..00+47897077 | 83..00+00118747 | 87..10+00001500 |
| 110458+BE000500 | 21.104+21729510 | 22.104+08833120 | 31..00+00366948 |
| 81..00+04077268 | 82..00+47576997 | 83..00+00128239 | 87..10+00001500 |
| 110459+BE000501 | 21.104+21844080 | 22.104+08831340 | 31..00+00366096 |
| 81..00+04071568 | 82..00+47582558 | 83..00+00128392 | 87..10+00001500 |
| 110460+BE000502 | 21.104+21823590 | 22.104+08820470 | 31..00+00308919 |
| 81..00+04108765 | 82..00+47626036 | 83..00+00127886 | 87..10+00001500 |
| 110461+BE000503 | 21.104+21721320 | 22.104+08819110 | 31..00+00307682 |
| 81..00+04113945 | 82..00+47623578 | 83..00+00127995 | 87..10+00001500 |
| 110462+CE000504 | 21.104+21636290 | 22.104+08815210 | 31..00+00265515 |
| 81..00+04142307 | 82..00+47654994 | 83..00+00127052 | 87..10+00001500 |
| 110463+CE000505 | 21.104+21933590 | 22.104+08819240 | 31..00+00261484 |
| 81..00+04134081 | 82..00+47666545 | 83..00+00126622 | 87..10+00001500 |
| 110464+BE000506 | 21.104+02934550 | 22.104+09021360 | 31..00+00014160 |
| 81..00+04047866 | 82..00+47537356 | 83..00+00128427 | 87..10+00001500 |
| 110465+BE000507 | 21.104+00600410 | 22.104+09031520 | 31..00+00017760 |
| 81..00+04042736 | 82..00+47542704 | 83..00+00128351 | 87..10+00001500 |
| 110466+CE000508 | 21.104+35142460 | 22.104+09143550 | 31..00+00022814 |
| 81..00+04037589 | 82..00+47547607 | 83..00+00127826 | 87..10+00001500 |
| 110467+CE000509 | 21.104+03748500 | 22.104+08901390 | 31..00+00012550 |
| 81..00+04048569 | 82..00+47534955 | 83..00+00128729 | 87..10+00001500 |
| 110468+CE000510 | 21.104+15601550 | 22.104+08903060 | 31..00+00099217 |
| 81..00+06659542 | 82..00+48125572 | 83..00+00133101 | 87..10+00001500 |
| 110469+CE000511 | 21.104+15416370 | 22.104+08853170 | 31..00+00099394 |
| 81..00+06662374 | 82..00+48126694 | 83..00+00133388 | 87..10+00001500 |
| 110470+PC000512 | 21.104+16116420 | 22.104+08904040 | 31..00+00073372 |
| 81..00+06642791 | 82..00+48146740 | 83..00+00132652 | 87..10+00001500 |
| 110471+PC000513 | 21.104+17026030 | 22.104+08917000 | 31..00+00033939 |
| 81..00+06624883 | 82..00+48182757 | 83..00+00131883 | 87..10+00001500 |
| 110472+PC000514 | 21.104+29656200 | 22.104+09152500 | 31..00+00008108 |
| 81..00+06612020 | 82..00+48219892 | 83..00+00131192 | 87..10+00001500 |
| 110473+CE000515 | 21.104+32835240 | 22.104+09358420 | 31..00+00006019 |
| 81..00+06616115 | 82..00+48221346 | 83..00+00131041 | 87..10+00001500 |
| 110474+CA000516 | 21.104+19326320 | 22.104+08754110 | 31..00+00012042 |
| 81..00+06616447 | 82..00+48204517 | 83..00+00131899 | 87..10+00001500 |
| 110475+CE000517 | 21.104+18714010 | 22.104+09111130 | 31..00+00008497 |
| 81..00+06702027 | 82..00+48026453 | 83..00+00134616 | 87..10+00001500 |
| 110476+CAC00518 | 21.104+27132470 | 22.104+09121460 | 31..00+00008769 |
| 81..00+06694334 | 82..00+48035117 | 83..00+00134583 | 87..10+00001500 |
| 110477+CA000519 | 21.104+25904390 | 22.104+08924300 | 31..00+00014853 |
| 81..00+06688514 | 82..00+48032066 | 83..00+00134945 | 87..10+00001500 |
| 110478+CA000520 | 21.104+29221010 | 22.104+09056490 | 31..00+00011441 |
| 81..00+06692517 | 82..00+48039230 | 83..00+00134603 | 87..10+00001500 |
| 110479+PC000521 | 21.104+32643210 | 22.104+09059030 | 31..00+00037781 |
| 81..00+06682370 | 82..00+48066461 | 83..00+00134143 | 87..10+00001500 |

|                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|
| 110480+CAC00522 | 21.104+33140570 | 22.104+09051590 | 31..00+00190419 |
| 81..00+06612782 | 82..00+48202493 | 83..00+00131914 | 87..10+00001500 |
| 110481+CA000523 | 21.104+33125450 | 22.104+09059250 | 31..00+00180136 |
| 81..00+06616962 | 82..00+48193057 | 83..00+00131680 | 87..10+00001500 |
| 110482+CR000524 | 21.104+22211550 | 22.104+08642430 | 31..00+00018089 |
| 81..00+06690966 | 82..00+48021501 | 83..00+00135829 | 87..10+00001500 |
| 110483+CR000525 | 21.104+21916080 | 22.104+08655200 | 31..00+00020401 |
| 81..00+06690203 | 82..00+48019109 | 83..00+00135887 | 87..10+00001500 |
| 110484+CR000526 | 21.104+18644130 | 22.104+08552410 | 31..00+00012574 |
| 81..00+06701626 | 82..00+48022426 | 83..00+00135696 | 87..10+00001500 |
| 110485+CR000527 | 21.104+18715530 | 22.104+08613350 | 31..00+00015322 |
| 81..00+06701164 | 82..00+48019714 | 83..00+00135800 | 87..10+00001500 |
| 110486+CR000528 | 21.104+15929340 | 22.104+08824100 | 31..00+00061462 |
| 81..00+06724620 | 82..00+47977336 | 83..00+00136505 | 87..10+00001500 |
| 110487+CR000529 | 21.104+16123160 | 22.104+08827270 | 31..00+00061693 |
| 81..00+06722780 | 82..00+47976435 | 83..00+00136452 | 87..10+00001500 |
| 110488+PP000530 | 21.104+15739510 | 22.104+08849510 | 31..00+00059440 |
| 81..00+06725681 | 82..00+47979911 | 83..00+00136005 | 87..10+00001500 |
| 110489+PP000531 | 21.104+15742130 | 22.104+09110320 | 31..00+00039649 |
| 81..00+06718136 | 82..00+47998203 | 83..00+00133978 | 87..10+00001500 |
| 110490+PP000532 | 21.104+17207060 | 22.104+09049360 | 31..00+00011774 |
| 81..00+06704711 | 82..00+48023218 | 83..00+00134622 | 87..10+00001500 |
| 110491+PP000533 | 21.104+23212080 | 22.104+08809380 | 31..00+00021097 |
| 81..00+06686435 | 82..00+48021957 | 83..00+00135469 | 87..10+00001500 |
| 110492+CE000534 | 21.104+24828550 | 22.104+08819000 | 31..00+00007991 |
| 81..00+07169939 | 82..00+47789407 | 83..00+00257818 | 87..10+00002150 |
| 110493+CE000535 | 21.104+24019080 | 22.104+08521260 | 31..00+00004451 |
| 81..00+07173516 | 82..00+47790140 | 83..00+00257943 | 87..10+00002150 |
| 110494+CE000536 | 21.104+19654150 | 22.104+08752500 | 31..00+00009391 |
| 81..00+07174641 | 82..00+47783358 | 83..00+00257930 | 87..10+00002150 |
| 110495+CE000537 | 21.104+18523040 | 22.104+09014240 | 31..00+00016752 |
| 81..00+07175798 | 82..00+47775659 | 83..00+00257513 | 87..10+00002150 |
| 110496+COTA0538 | 21.104+16551050 | 22.104+08827060 | 31..00+00015625 |
| 81..00+07181188 | 82..00+47777191 | 83..00+00258005 | 87..10+00002150 |
| 110497+COTA0539 | 21.104+16541320 | 22.104+08705240 | 31..00+00009999 |
| 81..00+07179838 | 82..00+47782660 | 83..00+00258090 | 87..10+00002150 |
| 110498+COTA0540 | 21.104+11300180 | 22.104+08617560 | 31..00+00011017 |
| 81..00+07187490 | 82..00+47788040 | 83..00+00258294 | 87..10+00002150 |
| 110499+COTA0541 | 21.104+12857170 | 22.104+08649250 | 31..00+00018720 |
| 81..00+07191905 | 82..00+47780585 | 83..00+00258620 | 87..10+00002150 |
| 110500+COTA0542 | 21.104+08500320 | 22.104+08655300 | 31..00+00011232 |
| 81..00+07188543 | 82..00+47793313 | 83..00+00258185 | 87..10+00002150 |
| 110501+COTA0543 | 21.104+08532490 | 22.104+08753400 | 31..00+00019312 |
| 81..00+07196611 | 82..00+47793835 | 83..00+00258292 | 87..10+00002150 |
| 110502+COTA0544 | 21.104+10534430 | 22.104+08656230 | 31..00+00020384 |
| 81..00+07196977 | 82..00+47786870 | 83..00+00258671 | 87..10+00002150 |
| 110503+COTA0545 | 21.104+12514110 | 22.104+08826330 | 31..00+00022319 |
| 81..00+07195593 | 82..00+47779464 | 83..00+00258839 | 87..10+00001500 |
| 110504+COTA0546 | 21.104+06703500 | 22.104+09104360 | 31..00+00019568 |
| 81..00+07195388 | 82..00+47799961 | 83..00+00257215 | 87..10+00002150 |
| 110505+COTA0547 | 21.104+05224480 | 22.104+09203100 | 31..00+00012810 |
| 81..00+07187515 | 82..00+47800146 | 83..00+00257124 | 87..10+00002150 |
| 110506+COTA0548 | 21.104+35635360 | 22.104+08736370 | 31..00+00006848 |
| 81..00+07176963 | 82..00+47799167 | 83..00+00257868 | 87..10+00002150 |
| 110507+COTA0549 | 21.104+35815270 | 22.104+09722080 | 31..00+00008020 |
| 81..00+07177128 | 82..00+47800287 | 83..00+00256554 | 87..10+00002150 |
| 110508+COTA0550 | 21.104+30726530 | 22.104+08947000 | 31..00+00007848 |
| 81..00+07171140 | 82..00+47797109 | 83..00+00257613 | 87..10+00002150 |
| 110509+COTA0551 | 21.104+30749400 | 22.104+09406470 | 31..00+00009410 |
| 81..00+07169956 | 82..00+47798093 | 83..00+00256908 | 87..10+00002150 |

470, 62963.3100, 45021.7380, 37.9470,  
1000, 62945.0584, 45029.8861, 37.9049, E471  
1001, 62945.0480, 45029.8910, 37.9050, E471  
470, 62963.3100, 45021.7380, 37.9470,  
472, 62926.7830, 45038.0450, 37.9290, E472  
472, 62926.7830, 45038.0450, 37.9290, E472  
473, 62919.3720, 45057.4100, 38.1840, AUX1  
473, 62919.3720, 45057.4100, 38.1840, AUX1  
474, 62900.0030, 45049.9970, 37.9430, V7  
474, 62900.0030, 45049.9970, 37.9430, V7  
1002, 62903.9650, 45048.2280, 37.9200, E473+5  
474, 62900.0030, 45049.9970, 37.9430, V7  
1003, 62889.4050, 45051.5220, 37.7060, E474  
1004, 62869.6480, 45054.3660, 37.5940, E475  
1005, 62849.6170, 45057.2500, 37.5670, E476  
1006, 62829.7670, 45060.1070, 37.4130, E477  
1007, 62809.9230, 45062.9630, 37.3250, E478  
1008, 62790.0340, 45065.8250, 37.3100, E479  
1009, 62769.8180, 45068.7360, 37.1350, E480  
474, 62900.0030, 45049.9970, 37.9430, V7  
1010, 62889.5840, 45047.6390, 37.7080, E474  
1011, 62870.0800, 45043.2250, 37.5930, E475  
1012, 62850.3560, 45038.7610, 37.5700, E476  
1013, 62830.7820, 45034.3320, 37.4170, E477  
1014, 62811.2320, 45029.9070, 37.3240, E478  
1015, 62791.6280, 45025.4700, 37.3070, E479  
1016, 62772.0560, 45021.0410, 37.1490, E480  
1017, 62752.5310, 45016.6220, 37.2250, E481  
1018, 62733.0190, 45012.2060, 37.2300, E482  
1019, 62713.4040, 45007.7670, 37.1910, E483  
1020, 62693.9680, 45003.3690, 37.1770, E484  
1021, 62674.4470, 44998.9520, 37.1070, E485  
1022, 62654.9680, 44994.5430, 37.0360, E486  
1023, 62635.4540, 44990.1260, 37.1810, E487  
1024, 62615.9920, 44985.7220, 37.1880, E488  
1025, 62596.4720, 44981.3040, 37.1370, E489  
1026, 62576.8680, 44976.8670, 37.2090, E490  
1027, 62557.4100, 44972.4640, 37.3370, E491  
474, 62900.0030, 45049.9970, 37.9430, V7  
492, 62538.4870, 44968.1810, 37.5890, E492  
492, 62538.4870, 44968.1810, 37.5890, E492  
1028, 62519.0000, 44963.7710, 37.6480, E493  
1029, 62499.4270, 44959.3410, 37.6120, E494  
1030, 62479.9050, 44954.9230, 37.4640, E495  
1031, 62460.3320, 44950.4930, 37.2970, E496  
1032, 62440.7640, 44946.0650, 37.1570, E497  
1033, 62421.1860, 44941.6340, 37.0450, E498  
1034, 62401.6350, 44937.2100, 36.9940, E499  
1035, 62382.0940, 44932.7870, 36.6390, E500  
1036, 62362.5290, 44928.3600, 36.4550, E501  
1037, 62343.0940, 44923.9610, 36.3260, E502  
1038, 62323.4900, 44919.5250, 36.2150, E503  
1039, 62303.9860, 44915.1100, 36.1030, E504  
1040, 62284.4400, 44910.6870, 35.6790, E505  
1041, 62264.8460, 44906.2510, 35.3830, E506  
492, 62538.4870, 44968.1810, 37.5890, E492  
507, 62245.8903, 44901.9594, 35.0996, E507  
507, 62245.8900, 44901.9610, 35.1010, E507  
507, 62245.8900, 44901.9610, 35.1010, E507  
1035, 62226.3390, 44897.5360, 34.9270, E508

1036,62206.7360,44893.1000,34.4840,E509  
1037,62187.2140,44888.6820,34.0490,E510  
1038,62167.7420,44884.2750,33.9010,E511  
1039,62148.2560,44879.8650,33.7710,E512  
1040,62128.7930,44875.4600,33.9760,E513  
1041,62109.0940,44871.0020,34.1000,E514  
1042,62089.6630,44866.6040,34.0940,E515  
1043,62070.1170,44862.1800,33.9770,E516  
507,62245.8900,44901.9610,35.1010,E507  
517,62050.8050,44857.8090,33.8510,E517  
517,62050.8050,44857.8090,33.8510,E517  
1047,62031.2960,44853.3940,33.7530,E518  
1048,62011.7140,44848.9620,33.7630,E519  
1049,61992.1090,44844.5250,33.7410,E520  
1050,61972.6080,44840.1120,33.5510,E521  
1051,61953.0930,44835.6950,33.5330,E522  
1052,61933.5720,44831.2770,33.2000,E523  
1053,61913.9780,44826.8430,33.1780,E524  
1054,61894.4630,44822.4260,33.3750,E525  
1055,61874.8540,44817.9880,33.4150,E526  
1056,61855.2430,44813.5500,33.2090,E527  
1057,61835.7460,44809.1390,32.9830,E528  
1058,61816.1680,44804.7060,32.9420,E529  
1059,61796.6540,44800.2910,33.2040,E530  
517,62050.8050,44857.8090,33.8510,E517  
531,61777.8080,44796.0260,33.5600,E531  
531,61777.8080,44796.0260,33.5600,E531  
1060,61758.3300,44791.6180,33.3840,E532  
1061,61738.8570,44787.2110,33.4030,E533  
1062,61719.4810,44782.8250,33.3630,E534  
1063,61699.9580,44778.4070,33.3490,E535  
1064,61680.4720,44773.9960,33.2180,E536  
1065,61661.0880,44769.6110,33.1620,E537  
1066,61641.6230,44765.2060,33.1000,E538  
1067,61621.8110,44760.7220,33.1760,E539  
1068,61602.2860,44756.3030,33.0360,E540  
1069,61582.9080,44751.9170,33.2160,E541  
1070,61563.3030,44747.4800,33.2290,E542  
1071,61543.9370,44743.0970,33.1250,E543  
1072,61524.5060,44738.6990,33.1070,E544  
531,61777.8080,44796.0260,33.5600,E531  
545,61504.7460,44734.2270,33.3740,E545  
545,61504.7460,44734.2270,33.3740,E545  
1075,61485.2610,44729.8170,33.2300,E546  
1076,61465.7730,44725.4070,33.1560,E547  
1077,61446.2540,44720.9900,33.2890,E548  
1078,61426.7440,44716.5740,33.3600,E549  
1079,61407.2620,44712.1650,33.5020,E550  
1080,61387.7740,44707.7550,33.7010,E551  
1081,61368.2870,44703.3450,33.9120,E552  
1082,61348.8160,44698.9380,33.9520,E553  
1083,61329.3070,44694.5230,34.2190,E554  
1084,61309.8340,44690.1160,34.3090,E555  
1085,61290.3280,44685.7020,34.6050,E556  
545,61504.7460,44734.2270,33.3740,E545  
557,61270.8670,44681.2960,34.7840,E557  
557,61270.8670,44681.2960,34.7840,E557  
1087,61251.3510,44676.8790,35.0600,E558  
1088,61231.7860,44672.4520,35.3930,E559  
1089,61212.1360,44668.0040,35.6250,E560

1090, 61192.6530, 44663.5950, 35.6230, E561  
1091, 61173.1720, 44659.1860, 35.6510, E562  
1092, 61153.6950, 44654.7790, 35.6110, E563  
1093, 61134.2020, 44650.3670, 35.6980, E564  
557, 61270.8670, 44681.2960, 34.7840, E557  
565, 61114.8020, 44645.9760, 35.6750, E565  
565, 61114.8020, 44645.9760, 35.6750, E565  
566, 61095.2800, 44641.5580, 35.6200, E566  
567, 61075.7840, 44637.1460, 35.5210, E567  
568, 61056.2800, 44632.7320, 35.4840, E568  
569, 61036.7280, 44628.3080, 35.4230, E569  
570, 61017.2420, 44623.8980, 35.4120, E570  
565, 61114.8020, 44645.9760, 35.6750, E565  
570, 61000.0060, 44619.9960, 35.1310, V8  
570, 61000.0060, 44619.9960, 35.1310, V8  
1100, 60997.6850, 44620.2220, 35.1180, E571  
1101, 60977.7610, 44622.1600, 34.9460, E572  
1102, 60957.8550, 44624.0970, 34.7810, E573  
1103, 60938.0040, 44626.0290, 34.6860, E574  
1104, 60918.1280, 44627.9620, 34.7530, E575  
1105, 60898.2370, 44629.8980, 34.6230, E576  
1106, 60878.2430, 44631.8430, 34.5700, E577  
1107, 60858.2920, 44633.7840, 34.4250, E578  
1108, 60838.3130, 44635.7280, 34.2910, E579  
1109, 60818.3650, 44637.6690, 34.2510, E580  
570, 61000.0060, 44619.9960, 35.1310, V8  
581, 60798.4230, 44639.6100, 33.9200, E581  
581, 60798.4230, 44639.6100, 33.9200, E581  
582, 60773.8360, 44679.8550, 33.4420, MJ15  
583, 60492.6170, 45063.1870, 33.8440, MJ16  
581, 60798.4230, 44639.6100, 33.9200, E581  
1110, 60778.4360, 44641.5550, 33.8850, E582  
1111, 60758.4800, 44643.4960, 33.6880, E583  
1112, 60738.5770, 44645.4330, 33.4490, E584  
1113, 60718.6790, 44647.3690, 33.2950, E585  
1114, 60698.7750, 44649.3050, 33.2930, E586  
1115, 60678.9240, 44651.2370, 33.3890, E587  
1116, 60658.9620, 44653.1800, 33.6860, E588  
1117, 60639.0700, 44655.1150, 33.8680, E589  
1118, 60619.2190, 44657.0470, 33.9830, E590  
1119, 60599.3000, 44658.9840, 34.1370, E591  
581, 60798.4230, 44639.6100, 33.9200, E581  
592, 60579.5690, 44660.9030, 34.3270, E592  
592, 60579.5690, 44660.9030, 34.3270, E592  
1120, 60559.6360, 44662.8420, 34.4340, E593  
1121, 60539.7900, 44664.7730, 34.3560, E594  
1122, 60519.9800, 44666.7010, 34.3780, E595  
1123, 60500.0930, 44668.6350, 34.2800, E596  
1124, 60480.1720, 44670.5740, 34.2310, E597  
1125, 60460.2020, 44672.5170, 34.4200, E598  
1126, 60440.3870, 44674.4450, 34.4980, E599  
1127, 60420.4800, 44676.3820, 34.5120, E600  
1128, 60400.5870, 44678.3170, 34.6810, E601  
592, 60579.5690, 44660.9030, 34.3270, E592  
602, 60380.6810, 44680.2550, 34.9240, E602  
1129, 60360.7470, 44682.1950, 35.5270, E603  
602, 60380.6810, 44680.2550, 34.9240, E602  
1030, 60340.8180, 44684.1340, 35.8950, E604  
1031, 60320.9010, 44686.0720, 36.3510, E605  
1032, 60301.0330, 44688.0050, 36.6600, E606

1033, 60281.1370, 44689.9410, 36.9390, E607  
1034, 60261.2250, 44691.8780, 37.1780, E608  
1035, 60241.3980, 44693.8070, 37.4830, E609  
1036, 60221.5290, 44695.7410, 37.7780, E610  
1037, 60201.5740, 44697.6820, 38.1970, E611  
602, 60380.6810, 44680.2550, 34.9240, E602  
612, 60181.6030, 44699.6250, 38.5980, E612  
1038, 60161.6310, 44701.5680, 38.9990, E613  
1039, 60141.7950, 44703.4980, 39.3130, E614  
1040, 60121.8770, 44705.4360, 39.4750, E615  
1041, 60101.8800, 44707.3820, 39.1730, E616  
612, 60181.6030, 44699.6250, 38.5980, E612  
617, 60082.0630, 44709.3100, 38.8770, E617  
617, 60082.0630, 44709.3100, 38.8770, E617  
1043, 60062.1220, 44711.2500, 38.6930, E618  
1044, 60042.1620, 44713.1920, 38.5510, E619  
1045, 60022.2540, 44715.1300, 38.5870, E620  
1046, 60002.3830, 44717.0630, 38.4280, E621  
1047, 59982.4120, 44719.0060, 38.3600, E622  
1048, 59962.4730, 44720.9460, 38.1390, E623  
1049, 59962.5060, 44720.9430, 38.2240, E624  
1050, 59942.6130, 44722.8780, 38.2050, E624  
1051, 59922.7670, 44724.8100, 37.8840, E625  
1052, 59902.9020, 44726.7430, 37.5510, E626  
617, 60082.0630, 44709.3100, 38.8770, E617  
627, 59882.9660, 44728.6830, 37.4470, E627  
627, 59882.9660, 44728.6830, 37.4470, E627  
1053, 59863.0200, 44730.6240, 37.1580, E628  
1054, 59843.0220, 44732.5700, 36.9540, E629  
1055, 59823.1710, 44734.5020, 36.9270, E630  
1056, 59803.3210, 44736.4330, 37.0700, E631  
1057, 59783.4000, 44738.3720, 36.7340, E631  
1058, 59763.4850, 44740.3090, 36.4290, E633  
1059, 59743.6680, 44742.2380, 36.3550, E634  
1060, 59723.8170, 44744.1690, 36.3220, E635  
1061, 59703.9000, 44746.1070, 36.1690, E636  
1062, 59684.0050, 44748.0420, 35.7700, E637  
627, 59882.9660, 44728.6830, 37.4470, E627  
638, 59663.9970, 44749.9890, 35.6600, E638  
638, 59663.9970, 44749.9890, 35.6600, E638  
1064, 59644.0870, 44751.9260, 35.5760, E639  
1065, 59624.1630, 44753.8650, 35.3660, E640  
1066, 59604.2000, 44755.8070, 35.5380, E641  
1067, 59584.2360, 44757.7500, 35.4210, E642  
1068, 59564.3880, 44759.6810, 35.1600, E643  
1069, 59544.5100, 44761.6150, 34.9950, E644  
1070, 59524.5940, 44763.5530, 34.9170, E645  
646, 59504.7540, 44765.4820, 34.7410, E646  
646, 59504.7540, 44765.4820, 34.7410, E646  
1071, 59484.8270, 44767.4210, 34.7870, E647  
1072, 59464.8200, 44769.3670, 34.5340, E648  
1073, 59444.8870, 44771.3070, 34.4540, E649  
1074, 59424.8940, 44773.2520, 34.6030, E650  
1075, 59404.9420, 44775.1930, 34.6390, E651  
1076, 59385.0560, 44777.1280, 34.9520, E652  
1077, 59365.0820, 44779.0720, 35.1380, E653  
1078, 59345.1120, 44781.0160, 35.1750, E654  
1079, 59325.0900, 44782.9630, 35.2090, E655  
1080, 59305.0620, 44784.9110, 35.3880, E656  
646, 59504.7540, 44765.4820, 34.7410, E646

657, 59285.7760, 44786.7890, 35.5030, E657  
657, 59285.7760, 44786.7890, 35.5030, E657  
1081, 59265.7430, 44788.7380, 34.8130, E658  
1082, 59245.8220, 44790.6760, 34.3510, E659  
1083, 59225.8810, 44792.6170, 34.1080, E660  
1084, 59205.8670, 44794.5640, 34.2790, E661  
1085, 59186.0310, 44796.4940, 34.4490, E662  
1086, 59166.0740, 44798.4360, 34.6770, E663  
657, 59285.7760, 44786.7890, 35.5030, E657  
663, 59150.0050, 44800.0000, 34.8180, V9  
663, 59150.0050, 44800.0000, 34.8180, V9  
1087, 59147.0900, 44802.1200, 34.8790, E664  
1088, 59130.8550, 44813.9270, 35.3870, E665  
1089, 59114.6770, 44825.6940, 35.6380, E666  
1090, 59098.3930, 44837.5360, 35.3640, E667  
1091, 59082.1390, 44849.3570, 34.9620, E668  
663, 59150.0050, 44800.0000, 34.8180, V9  
669, 59066.1880, 44860.9580, 35.1730, E669  
669, 59066.1880, 44860.9580, 35.1730, E669  
1092, 59049.9700, 44872.7530, 35.2400, E670  
1093, 59033.7940, 44884.5170, 35.0130, E671  
1094, 59017.6030, 44896.2930, 34.7260, E672  
1095, 59001.4110, 44908.0690, 34.5560, E673  
1096, 58985.2070, 44919.8540, 34.3410, E674  
1097, 58969.0210, 44931.6270, 34.3340, E675  
1098, 58952.8440, 44943.3920, 34.1820, E676  
1099, 58936.6930, 44955.1390, 34.1240, E677  
1100, 58920.5310, 44966.8930, 34.4130, E678  
669, 59066.1880, 44860.9580, 35.1730, E669  
679, 58904.4950, 44978.5550, 34.6220, E679  
679, 58904.4950, 44978.5550, 34.6220, E679  
680, 58888.3440, 44990.3010, 34.7720, E680  
681, 58872.2040, 45002.0400, 34.8850, E681  
682, 58856.0370, 45013.7980, 34.9580, E682  
683, 58839.8150, 45025.5960, 35.0870, E683  
684, 58823.6040, 45037.3860, 35.1910, E684  
685, 58807.3570, 45049.2020, 35.1840, E685  
686, 58791.0790, 45061.0400, 35.4110, E686  
687, 58774.8119, 45072.8717, 35.4872, E687  
688, 58758.5690, 45084.6840, 35.3660, E688  
689, 58742.3670, 45096.4660, 35.2980, E689  
690, 58726.0640, 45108.3220, 35.4060, E690  
691, 58709.8809, 45120.0922, 35.4621, E691  
679, 58904.4950, 44978.5550, 34.6220, E679  
692, 58694.1700, 45131.5190, 35.5720, E691  
692, 58694.1700, 45131.5190, 35.5720, E691  
693, 58677.9530, 45143.3140, 35.7390, E693  
694, 58661.7650, 45155.0870, 35.8370, E694  
695, 58645.5860, 45166.8530, 35.9160, E695  
696, 58629.3640, 45178.6510, 36.0430, E696  
697, 58613.2790, 45190.3500, 36.2440, E697  
692, 58694.1700, 45131.5190, 35.5720, E691  
698, 58600.0060, 45200.0020, 36.2790, V10  
0, 58599.0540, 45199.7520, 36.2410, V10A  
692, 58694.1700, 45131.5190, 35.5720, E691  
2000, 58700.2090, 45139.8220, 35.6110, S692  
2001, 58705.7600, 45147.4550, 35.6760, S692  
2002, 58711.6350, 45155.5340, 35.7210, S692  
2003, 58717.5250, 45163.6320, 35.7790, S692  
2004, 58723.3950, 45171.7040, 35.8140, S692

2005, 58688.3070, 45123.4580, 35.6000, S692  
2006, 58682.4280, 45115.3740, 35.6770, S692  
2007, 58676.5190, 45107.2500, 35.8810, S692  
2008, 58670.6870, 45099.2300, 35.9630, S692  
2009, 58664.7590, 45091.0790, 35.9990, S692  
693, 58677.9530, 45143.3140, 35.7390, S693  
2010, 58671.9720, 45135.0900, 35.6750, S693  
2011, 58666.0840, 45126.9960, 35.6690, S693  
2012, 58660.1780, 45118.8750, 35.8670, S693  
2013, 58654.1340, 45110.5640, 36.0910, S693  
2014, 58648.2120, 45102.4220, 36.2890, S693  
2015, 58683.9100, 45151.5050, 35.6590, S693  
2016, 58689.7950, 45159.5960, 35.7970, S693  
2017, 58695.7330, 45167.7620, 35.6490, S693  
2018, 58701.7780, 45176.0730, 35.6870, S693  
2019, 58708.0022, 45184.6313, 35.6127, S693  
694, 58661.7650, 45155.0870, 35.8370, S694  
2020, 58667.6966, 45163.2427, 35.6860, S694  
2021, 58673.6440, 45171.4200, 35.9130, S694  
2022, 58679.5940, 45179.6020, 35.9150, S694  
2023, 58685.4200, 45187.6130, 35.9220, S694  
2024, 58691.4670, 45195.9260, 35.8850, S694  
2020, 58667.7060, 45163.2560, 35.6890, S694  
2025, 58655.8930, 45147.0130, 35.8280, S694  
2026, 58649.9810, 45138.8840, 35.8360, S694  
2027, 58643.9740, 45130.6250, 35.9480, S694  
2028, 58638.1880, 45122.6690, 35.9710, S694  
2029, 58632.3300, 45114.6160, 36.1180, S694  
695, 58645.5860, 45166.8530, 35.9160, S695  
2030, 58651.5040, 45174.9900, 35.9240, S695  
2031, 58657.4550, 45183.1730, 35.9620, S695  
2032, 58663.4570, 45191.4260, 35.9960, S695  
2033, 58669.5840, 45199.8510, 35.8670, S695  
2034, 58675.6040, 45208.1280, 36.1620, S695  
2035, 58639.5980, 45158.6190, 35.9430, S695  
2036, 58633.7140, 45150.5290, 35.9890, S695  
2037, 58627.7700, 45142.3560, 36.0180, S695  
2038, 58621.8200, 45134.1760, 36.0640, S695  
2039, 58615.7970, 45125.8940, 36.0900, S695  
696, 58629.3640, 45178.6510, 36.0430, S696  
2040, 58623.4810, 45170.5620, 36.1040, S696  
2041, 58617.6090, 45162.4880, 36.1080, S696  
2042, 58611.6720, 45154.3250, 36.1230, S696  
2043, 58605.7720, 45146.2130, 36.1900, S696  
2044, 58599.7810, 45137.9740, 36.2590, S696  
2045, 58635.2720, 45186.7740, 36.1230, S696  
2046, 58641.1450, 45194.8490, 36.0790, S696  
2047, 58647.0850, 45203.0170, 36.0850, S696  
2048, 58653.0180, 45211.1740, 36.0820, S696  
2049, 58658.9330, 45219.3070, 36.0890, S696  
2050, 58619.1710, 45198.4520, 36.0770, S697  
2051, 58625.0840, 45206.5820, 36.1630, S697  
2052, 58631.1020, 45214.8570, 36.2010, S697  
2053, 58637.0560, 45223.0440, 36.1730, S697  
2054, 58642.9750, 45231.1810, 36.2200, S697  
2055, 58607.3850, 45182.2460, 36.2090, S697  
2056, 58601.4240, 45174.0490, 36.2410, S697  
2057, 58595.5420, 45165.9610, 36.2150, S697  
2058, 58589.6330, 45157.8370, 36.2920, S697  
2059, 58583.7810, 45149.7910, 36.3200, S697

692, 58694.1700, 45131.5190, 35.5720, E691  
691, 58709.8640, 45120.1050, 35.4680, E691  
691, 58709.8640, 45120.1050, 35.4680, E691  
2060, 58715.8670, 45128.3590, 35.4570, S691  
2061, 58721.8630, 45136.6030, 35.5310, S691  
2062, 58727.8060, 45144.7750, 35.6470, S691  
2063, 58733.8010, 45153.0180, 35.7390, S691  
2064, 58739.8000, 45161.2680, 35.7620, S691  
2065, 58703.9090, 45111.9180, 35.5590, S691  
2066, 58698.0460, 45103.8550, 35.5740, S691  
2067, 58692.1630, 45095.7670, 35.6060, S691  
2068, 58686.2870, 45087.6880, 35.7830, S691  
2069, 58680.3640, 45079.5430, 35.8910, S691  
690, 58726.0640, 45108.3220, 35.4060, E690  
2070, 58720.0730, 45100.0850, 35.3200, S690  
2071, 58714.1710, 45091.9690, 35.3690, S690  
2072, 58708.2490, 45083.8260, 35.4390, S690  
2073, 58702.3400, 45075.7020, 35.5680, S690  
2074, 58696.3520, 45067.4670, 35.6830, S690  
2075, 58732.0490, 45116.5510, 35.3070, S690  
2076, 58737.9930, 45124.7240, 35.4060, S690  
2077, 58743.8660, 45132.7990, 35.3930, S690  
2078, 58749.7940, 45140.9500, 35.4560, S690  
2079, 58755.8470, 45149.2720, 35.5110, S690  
689, 58742.3670, 45096.4660, 35.2980, E689  
2080, 58748.0330, 45104.2570, 35.2550, S689  
2081, 58753.9190, 45112.3500, 35.3580, S689  
2082, 58760.2350, 45121.0340, 35.2830, S689  
2083, 58766.7620, 45130.0080, 35.1670, S689  
2084, 58773.0440, 45138.6450, 35.2610, S689  
2085, 58736.5380, 45088.4510, 35.4660, S689  
2086, 58730.0680, 45079.5560, 35.1840, S689  
2087, 58723.2640, 45070.2000, 35.3610, S689  
2088, 58716.7420, 45061.2320, 35.5460, S689  
2089, 58712.1320, 45054.8930, 35.6510, S689  
688, 58758.5690, 45084.6840, 35.3660, E688  
2090, 58752.5160, 45076.3610, 35.1320, S688  
2091, 58745.7700, 45067.0850, 35.3240, S688  
2092, 58738.9580, 45057.7200, 35.4640, S688  
2093, 58732.8910, 45049.3770, 35.5620, S688  
2094, 58726.3410, 45040.3710, 35.7700, S688  
2095, 58764.3940, 45092.6930, 35.2110, S688  
2096, 58770.2700, 45100.7740, 35.2140, S688  
2097, 58775.9140, 45108.5350, 35.2310, S688  
2098, 58782.5150, 45117.6110, 35.2050, S688  
2099, 58788.8150, 45126.2740, 35.1920, S688  
686, 58791.0790, 45061.0400, 35.4110, E686  
2110, 58797.1810, 45069.4310, 35.5550, S686  
2111, 58803.2120, 45077.7230, 35.6060, S686  
2112, 58808.8630, 45085.6110, 35.6070, S686  
2113, 58814.8660, 45094.0310, 35.5470, S686  
2114, 58820.5870, 45101.8620, 35.3840, S686  
2115, 58785.0630, 45052.7680, 35.2740, S686  
2116, 58779.0690, 45044.5270, 35.3740, S686  
2117, 58772.1950, 45035.0750, 35.6070, S686  
2118, 58764.6780, 45024.7400, 35.9060, S686  
2119, 58758.3550, 45016.0460, 36.0500, S686  
685, 58807.3570, 45049.2020, 35.1840, E685  
686, 58814.2980, 45058.7460, 35.2260, S686  
2120, 58814.2990, 45058.7470, 35.2260, S685

2121,58820.5810,45067.3850,35.3560,S685  
2122,58825.4450,45074.0720,35.6100,S685  
2123,58830.7980,45081.4330,35.5200,S685  
2124,58836.8760,45089.7900,35.3910,S685  
2125,58801.2880,45040.8570,35.2510,S685  
2126,58795.0010,45032.4260,35.4630,S685  
2127,58788.4200,45022.9570,35.6590,S685  
2128,58781.5580,45013.7290,35.8830,S685  
2129,58775.8620,45005.5210,35.9780,S685  
6000,30000.0000,20000.0000,100.0000,  
6001,29980.7850,20005.6080,98.3490,E1  
6002,29961.5570,20011.2200,97.1030,E2  
6003,29942.3390,20016.8290,96.1910,E3  
6004,29923.1490,20022.4300,95.5220,E4  
6005,29903.9980,20028.0190,95.3850,E5  
6006,29884.7580,20033.6340,95.3340,E6  
6007,29865.6150,20039.2210,95.9710,E7  
6008,29846.3510,20044.8430,96.7810,E8  
6009,29827.1620,20050.4440,97.4750,E9  
6010,29807.9950,20056.0380,98.5040,E10  
6000,30000.0000,20000.0000,100.0000,  
7000,29804.5620,20057.0280,98.6670,PI1  
7000,29804.5620,20057.0280,98.6670,PI1  
6011,29788.7510,20061.6420,99.3970,E11  
6012,29769.5310,20067.2510,100.6300,E12  
6013,29750.3780,20072.8400,101.7440,E13  
6014,29731.2090,20078.4340,102.8620,E14  
6015,29711.9840,20084.0440,103.7950,E15  
7000,29804.5620,20057.0280,98.6670,PI1  
7001,29693.1560,20089.5350,104.7610,PI2  
7001,29693.1560,20089.5350,104.7610,PI2  
6017,29673.5380,20095.2570,105.4680,E17  
6018,29654.3190,20100.8630,106.3570,E18  
6019,29635.0660,20106.4790,107.0280,E19  
6020,29615.8110,20112.0960,107.6980,E20  
6021,29596.5740,20117.7070,108.5010,E21  
6022,29577.4130,20123.2960,108.9660,E22  
6023,29558.2030,20128.8990,109.6300,E23  
6024,29539.0010,20134.5000,110.1560,E24  
7001,29693.1560,20089.5350,104.7610,PI2  
7003,29538.4970,20134.6460,110.1640,PI3  
6000,30000.0000,20000.0000,100.0000,  
8000,30101.3480,20065.3760,99.1190,CT1  
8001,30093.3160,20074.6450,99.0820,CT2  
8002,30079.4260,20047.9510,99.0890,CT3  
8003,30070.9220,20056.9160,99.0880,CT4  
8004,30054.3070,20028.1330,99.0400,CT5  
8005,30045.9030,20036.8690,98.9650,CT5  
8006,30030.5870,20008.7230,98.9180,CT5  
8007,30022.1190,20017.2860,98.8790,CT5  
8008,30006.8410,20000.7500,98.9380,CT5  
8009,30012.9310,19983.8890,99.3730,CT5  
8010,30001.2530,19989.4410,99.1810,CT5  
8011,29979.5490,19939.6860,98.9190,CT5  
8012,29990.7590,19932.8440,99.2300,CT5  
8013,30010.6200,19979.1010,99.2920,CT5  
8014,29998.2910,19984.7570,99.1910,CT5  
8015,29996.7390,19993.9640,100.3440,PE  
8016,29997.0050,19990.5990,100.5830,PE  
8017,29999.3660,19989.5170,100.7410,PE

8018,29992.9730,19984.2790,100.5850,PE  
8019,29994.0280,19986.2750,100.6310,PE  
8020,29995.1720,19986.5540,100.5830,PE  
8021,29997.5850,19985.5460,100.7460,PE  
8022,30012.8810,19978.6440,100.8910,PE  
8023,30015.1410,19977.5900,100.9060,PE  
8024,30015.9450,19974.6610,101.0460,PE  
8025,30016.0750,19972.4730,101.1130,PE  
8026,30014.6220,19982.6920,100.8900,PE  
8027,30017.1590,19981.6870,100.9680,PE  
8028,30018.4590,19982.0060,101.2350,PE  
8029,30020.1280,19984.2950,101.2910,PE  
8030,30025.4150,19969.2130,101.6860,PE  
8031,30033.1530,19982.7690,101.7710,MB  
8032,30029.7660,19983.4300,101.7010,MB  
8033,30035.0300,19963.0230,102.2530,CE  
8034,30044.8520,19984.0400,102.0640,CE  
8035,30024.6970,19940.6180,103.1010,CE  
8036,30061.9100,19989.7550,102.8560,CE  
8037,30045.0990,19993.2280,102.5390,CE  
8038,30013.5020,19945.3320,102.0360,BE  
8039,30018.2930,19943.4490,102.0920,BE  
8040,30036.2590,19994.8520,102.1160,BE  
8041,29990.6650,19997.6460,98.9800,BE  
8042,29975.1110,19995.9130,98.5060,BE  
8043,29960.1520,20024.8940,96.7570,CE  
8044,29968.3610,20037.7950,96.8250,CE  
8045,29913.6130,20022.1260,95.5390,BE  
8046,29912.3000,20018.6020,95.4090,BE  
8047,29971.8790,20013.9300,97.7920,CE  
8048,29921.1940,20041.1020,95.1370,BE  
8049,29917.5500,20042.4640,95.1410,BE  
8050,29903.0860,20026.3600,95.3250,BE  
8051,29944.9270,20001.9160,96.6080,CE  
8052,29938.1900,19992.0120,96.5070,CE  
8053,30003.5340,19988.2700,97.4790,NA  
8054,30005.4940,19987.2120,96.1340,FU  
8055,30001.8020,19995.9140,99.6700,PC  
8056,30010.0250,19977.2690,98.1350,PC  
8057,30001.2550,19972.4650,98.0210,PC  
8058,29992.7220,19966.4920,97.5470,PC  
8059,29985.6650,19961.7820,97.3910,PC  
8060,30005.6180,19987.0000,98.7340,PC  
8061,29996.2650,19982.7980,98.9240,PC  
8062,29988.0730,19977.7050,99.0020,PC  
8063,29979.7610,19972.4690,99.4370,PC  
8064,29975.8770,19981.9690,100.0920,PC  
8065,29985.3610,19986.7270,100.5810,PC  
8066,29995.1120,19991.8760,98.9820,PC  
8067,29997.0770,20005.1380,98.8810,PC  
8068,29987.5780,20000.9040,99.7760,PC  
8069,29979.2170,19995.7100,100.7270,PC  
8070,29970.5610,19991.4940,100.7840,PC  
7003,29538.4970,20134.6460,110.1640,PI3  
6016,29692.8120,20089.6350,104.7300,E16  
6025,29520.2050,20140.4770,110.7470,E25  
6026,29501.1220,20146.5600,111.2950,E26  
6027,29482.0570,20152.6380,111.6850,E26  
6028,29462.9810,20158.7180,112.0150,E28  
6029,29443.9010,20164.8010,112.1040,E28

6030,29424.9480,20170.8740,112.2430,E30  
6031,29405.8180,20176.9400,112.4940,E31  
7003,29538.4970,20134.6460,110.1640,PI3  
7004,29394.0430,20180.6820,112.4780,E31  
7004,29394.0430,20180.6820,112.4840,PI4  
7004,29394.0430,20180.6820,112.4840,PI4  
6032,29385.7190,20183.0820,112.5940,E32  
6033,29366.5020,20188.6210,112.4990,E33  
6034,29347.2920,20194.1590,112.5220,E34  
6035,29328.0780,20199.6980,112.6270,E35  
6036,29308.8610,20205.2380,112.4370,E36  
6037,29289.6780,20210.7680,112.3710,E37  
6038,29270.4620,20216.3070,112.3790,E38  
6039,29251.2550,20221.8430,112.2800,E39  
6040,29232.0340,20227.3840,112.2480,E40  
6041,29212.6980,20232.9580,112.0980,E41  
7004,29394.0430,20180.6820,112.4840,PI4  
7005,29201.0710,20236.3200,112.0900,PI5  
8071,29537.4170,20131.9460,109.8250,BE  
8072,29535.8710,20128.6770,109.8320,BE  
8073,29174.9650,20240.9000,111.8350,BE  
8074,29174.2240,20236.7910,111.8020,BE  
8075,29367.9110,20186.8050,112.4150,BE  
8076,29366.7940,20183.2380,112.4250,BE  
7005,29201.0710,20236.3200,112.0900,PI5  
6042,29193.4040,20238.2130,112.1170,E42  
6043,29174.0510,20242.9930,111.9560,E43  
6044,29154.5670,20247.8050,111.6440,E44  
6045,29135.1730,20252.5940,111.6570,E45  
7006,29117.5700,20256.9370,111.2050,PI6  
7006,29117.5700,20256.9370,111.2050,PI6  
6046,29113.9080,20257.8380,111.3810,E46  
6047,29094.4200,20262.6360,110.6460,E47  
6048,29074.9570,20267.4270,110.2920,E48  
6049,29055.4790,20272.2220,109.6580,E49  
6050,29036.0030,20277.0160,109.0020,E50  
6051,29016.5740,20281.7990,108.3690,E51  
6052,28997.0830,20286.5970,107.3100,E52  
6053,28977.6270,20291.3870,107.8190,E53  
6054,28958.2070,20296.1670,108.4620,E54  
6055,28938.7390,20300.9600,108.9850,E55  
6056,28919.3180,20305.7400,109.2310,E56  
6057,28899.8360,20310.5360,108.5250,E57  
6058,28880.3740,20315.3260,108.8250,E58  
6059,28860.9010,20320.1190,110.5080,E59  
6060,28841.2200,20324.9640,111.7350,E60  
6061,28821.7480,20329.7570,112.9050,E61  
6062,28802.1590,20334.5800,114.2910,E62  
6063,28782.7430,20339.3590,114.9730,E63  
6064,28763.2690,20344.1510,115.9110,E64  
7006,29117.5700,20256.9370,111.2050,PI6  
7007,28754.5680,20346.3100,116.1750,PI7  
7007,28754.5680,20346.3100,116.1750,PI7  
6065,28744.9190,20348.7330,116.5320,E65  
6066,28725.4630,20353.6200,117.2050,E66  
6067,28706.0310,20358.5000,117.9770,E67  
6068,28686.6110,20363.3780,118.4640,E68  
6069,28667.2010,20368.2530,119.0870,E69  
6070,28647.8000,20373.1250,119.5960,E70  
6071,28628.3890,20378.0010,120.0580,E71

6072,28608.9310,20382.8870,120.7810,E72  
6073,28589.4690,20387.7760,121.1930,E73  
6074,28570.3690,20392.5730,121.6220,E74  
7007,28754.5680,20346.3100,116.1750,PI7  
7008,28569.1780,20392.8620,121.6900,PI8  
7008,28569.1780,20392.8620,121.6900,PI8  
6075,28550.9780,20397.2660,122.0540,E75  
6076,28531.4740,20401.9860,122.5150,E76  
6077,28511.9660,20406.7060,122.9070,E77  
6078,28492.4410,20411.4310,123.2460,E78  
6079,28473.0160,20416.1320,123.5100,E79  
6080,28453.5930,20420.8320,123.9700,E80  
6081,28434.0890,20425.5520,124.3370,E81  
6082,28414.6210,20430.2630,124.7160,E82  
6083,28395.1960,20434.9630,125.0590,E83  
6084,28375.8050,20439.6560,125.5600,E84  
6085,28356.3010,20444.3760,125.8870,E85  
6086,28336.8560,20449.0800,126.3600,E86  
6087,28317.3940,20453.7900,126.6530,E87  
6088,28298.0090,20458.4810,127.0840,E88  
6089,28278.5170,20463.1970,127.6070,E89  
6090,28259.0040,20467.9180,128.0200,E90  
6091,28239.5790,20472.6190,128.4890,E91  
6092,28220.1420,20477.3220,128.9000,E92  
6093,28200.6530,20482.0380,129.3030,E93  
6094,28181.2870,20486.7250,129.8550,E94  
6095,28161.8530,20491.4270,130.1480,E95  
6096,28142.3770,20496.1400,130.4540,E96  
7008,28569.1780,20392.8620,121.6900,PI8  
7009,28139.7810,20496.7820,130.4570,PI9  
7009,28139.7810,20496.7820,130.4570,PI9  
6097,28123.5550,20500.9590,130.5020,E97  
6098,28104.1640,20505.9500,130.2180,E98  
6099,28084.7560,20510.9450,129.6570,E99  
6100,28065.3570,20515.9390,129.1230,E100  
6101,28045.9940,20520.9230,128.5380,E101  
6102,28026.6080,20525.9120,127.9490,E102  
6103,28007.2270,20530.9000,127.3160,E103  
7009,28139.7810,20496.7820,130.4570,PI9  
7010,27994.6460,20534.1310,126.8140,PI10  
8077,28049.0960,20519.0930,128.4560,BE  
8078,28049.3830,20513.8490,128.4660,BE  
8079,28149.5390,20494.3850,130.2220,BE  
8080,28152.6730,20490.6140,130.1430,BE  
8081,28539.5020,20305.5370,121.2210,BE  
8082,28536.3350,20302.3280,121.3310,BE  
7010,27994.6460,20534.1310,126.8140,PI10  
7011,27976.1180,20532.9330,126.0750,PI11  
6104,27987.7460,20533.6850,126.5960,E104  
7011,27976.1180,20532.9330,126.0750,PI11  
7012,27835.2750,20366.1170,128.2910,PI12  
6105,27970.7660,20526.5940,126.3810,E105  
6106,27957.8460,20511.2920,126.6810,E106  
6107,27944.9560,20496.0250,126.9490,E106  
6108,27932.1090,20480.8090,127.1270,E108  
6109,27919.2060,20465.5260,127.1090,E109  
6110,27906.3080,20450.2500,127.0160,E110  
6111,27893.3780,20434.9360,127.1800,E111  
6112,27880.5280,20419.7150,127.2320,E112  
6113,27867.6310,20404.4420,127.5140,E113

6114,27854.7520,20389.1860,127.7240,E114  
6115,27841.7520,20373.7880,128.3870,E115  
7011,27976.1180,20532.9330,126.0750,PI11  
8083,27857.0060,20389.5710,127.7700,BE  
8084,27859.5410,20387.5780,127.8030,BE  
7011,27976.1180,20532.9330,126.0750,PI11  
8085,27874.5410,20410.8820,127.4270,BE  
8086,27877.3650,20418.4680,127.0780,BE  
8087,27882.1950,20424.0310,127.0030,BE  
8088,27881.2280,20418.1250,127.3850,BE  
8089,27963.8860,20511.8560,126.4600,BE  
8090,27977.6880,20525.2230,126.3390,BE  
8091,27989.5180,20528.4140,126.7050,BE  
8092,28001.1130,20526.4970,127.0220,BE  
8093,28001.7270,20530.9950,126.8980,BE  
8094,27984.9950,20535.0790,126.4190,BE  
8095,27990.5110,20545.9460,125.9980,BE  
8096,27987.3920,20547.7680,125.8040,BE  
8097,27979.6170,20536.1020,126.1660,BE  
8098,27965.5140,20538.9950,125.6180,BE  
8099,27964.3250,20535.2830,125.6110,BE  
8100,27978.9430,20532.4800,126.2860,BE  
7012,27835.2750,20366.1170,128.2910,PI12  
7013,27837.0040,20225.7800,132.3880,PI13  
6116,27835.4000,20355.9980,128.5000,E116  
6117,27835.6450,20336.0690,128.9030,E117  
6118,27835.8920,20316.0590,129.0870,E118  
6119,27836.1360,20296.2400,129.7630,E119  
6120,27836.3820,20276.2410,130.2560,E120  
6121,27836.6250,20256.5010,131.1290,E121  
6122,27836.8710,20236.5530,131.9280,E122  
7013,27837.0040,20225.7800,132.3880,PI13  
7014,27828.4540,20168.8320,134.4290,PI14  
6123,27835.4190,20215.2220,132.9260,E123  
6124,27832.4350,20195.3490,133.4850,E124  
6125,27829.4560,20175.5040,134.0620,E125  
8101,27833.3380,20168.2870,134.0490,BE  
8102,27836.5730,20168.3810,133.9850,BE  
8103,27838.1980,20179.6150,133.6130,BE  
8104,27834.9740,20179.9470,133.6450,BE  
8105,27838.5740,20220.5080,132.3650,BE  
8106,27842.2380,20220.5610,132.1670,BE  
8107,27844.3290,20239.8240,131.3840,BE  
8108,27841.0950,20239.8210,131.4730,BE  
8109,27840.2530,20360.8280,128.3850,BE  
8110,27842.8220,20360.0270,128.4140,BE  
8111,27836.9480,20275.3710,130.2300,BE  
8112,27837.0400,20343.9650,128.6600,BE  
8113,27840.5030,20275.4930,130.3770,BE  
8114,27839.9310,20343.5170,128.7150,BE  
7014,27828.4540,20168.8320,134.4290,PI14  
7015,27804.4110,20064.1740,137.9900,PI15  
6126,27825.7250,20156.9540,135.0130,E126  
6127,27821.2540,20137.4910,135.3190,E127  
6128,27816.7800,20118.0150,135.9340,E128  
6129,27812.3030,20098.5280,136.4740,E129  
6130,27807.8260,20079.0420,137.5540,E130  
8117,27809.6240,20075.2860,137.3790,BE  
8118,27813.1190,20075.1820,137.2360,BE  
8119,27821.5900,20135.9060,135.2520,BE

8120,27825.2960,20136.9100,135.2090,BE  
8121,27834.4380,20160.8660,134.2860,BE  
8122,27831.5890,20163.5030,134.3510,BE  
7015,27804.4110,20064.1740,137.9900,PI15  
7016,27779.9680,20006.9900,139.0200,PI16  
6131,27802.6160,20059.9760,138.0610,E131  
6132,27794.7350,20041.5370,138.6630,E132  
6133,27786.9050,20023.2180,138.6780,E133  
8123,27781.5590,20006.9610,138.9440,BE  
8124,27785.0890,20007.7750,138.8800,BE  
8125,27790.5880,20021.2140,138.5850,BE  
8126,27788.6720,20024.6340,138.5530,BE  
8127,27805.8920,20050.3970,137.8600,BE  
8128,27803.2080,20053.1500,137.9040,BE  
7016,27779.9680,20006.9900,139.0200,PI16  
7017,27754.2010,19900.0120,139.5220,PI17  
6134,27779.4130,20004.6870,139.0840,E134  
6135,27774.6940,19985.0940,139.6880,E135  
6136,27770.0020,19965.6120,140.0210,E136  
6137,27765.2990,19946.0880,139.7560,E137  
6138,27760.6150,19926.6400,139.7060,E138  
6139,27755.9330,19907.2040,139.5550,E139  
8129,27757.1000,19905.7330,139.4320,BE  
8130,27760.6640,19906.2940,139.5390,BE  
8131,27768.6970,19954.4420,139.7360,BE  
8132,27772.3270,19955.6910,139.7340,BE  
8133,27777.7160,19972.4600,139.8360,BE  
8134,27775.6040,19976.3680,139.7630,BE  
7017,27754.2010,19900.0120,139.5220,PI17  
7018,27730.2093,19860.4704,139.1418,PI18  
6140,27747.8100,19889.4780,139.0030,E140  
6141,27737.4380,19872.3850,139.1690,E141  
8135,27733.1760,19857.2420,138.8920,BE  
8136,27728.8590,19857.2840,138.9420,BE  
8137,27748.3910,19884.4870,138.8820,BE  
8138,27753.1910,19886.2710,138.9690,BE  
7017,27754.2010,19900.0120,139.5220,PI17  
7018,27730.2130,19860.4680,139.1510,PI18  
7018,27730.2130,19860.4680,139.1510,PI18  
7019,27698.3520,19825.4760,138.3510,PI19  
6142,27726.1370,19855.9920,139.0570,E142  
6143,27712.6360,19841.1640,138.7560,E143  
6144,27699.1980,19826.4050,138.4760,E144  
7019,27698.3520,19825.4760,138.3510,PI19  
7020,27630.4000,19767.4010,136.7440,PI20  
6145,27684.0110,19813.2200,137.1570,E145  
6146,27668.8200,19800.2370,136.7670,E146  
6147,27653.6230,19787.2490,137.0760,E147  
6148,27638.4800,19774.3080,137.0110,E148  
8139,27642.6900,19774.3890,137.7750,BE  
8140,27642.5520,19770.9870,137.6600,BE  
8141,27627.2540,19754.5310,137.7160,BE  
8142,27629.8760,19753.1090,137.6880,BE  
8143,27680.9500,19800.6930,137.5990,BE  
8144,27680.7430,19804.5740,137.4300,BE  
7020,27630.4000,19767.4010,136.7440,PI20  
7021,27578.3080,19619.3250,136.2860,PI21  
6149,27627.2890,19758.5570,137.2590,E149  
6150,27620.6640,19739.7260,137.6810,E150  
6151,27614.0120,19720.8170,137.0610,E151

6152,27607.3880,19701.9870,136.6510,E152  
6153,27600.7190,19683.0300,136.5910,E153  
6154,27594.0640,19664.1150,136.3270,E154  
6155,27587.4310,19645.2580,136.1520,E155  
6156,27580.8080,19626.4330,136.2400,E156  
7022,27551.9680,19583.2190,136.7460,PI22  
6157,27571.0990,19609.4430,136.4000,E157  
6158,27559.2520,19593.2030,136.6120,E158  
8045,27561.9160,19590.9180,136.3290,BE  
8046,27565.4340,19590.3810,136.3340,BE  
8047,27575.8710,19605.2980,136.2330,BE  
8048,27573.9110,19608.5430,136.1400,BE  
8049,27587.8990,19631.5180,136.0110,BE  
8050,27584.8140,19632.9350,136.0280,BE  
7022,27551.9680,19583.2190,136.7460,PI22  
7023,27493.8750,19508.0140,137.9380,PI23  
6159,27547.4650,19577.3890,136.8540,E159  
6160,27535.2260,19561.5460,136.9550,E160  
6161,27522.9790,19545.6910,136.9230,E161  
6162,27510.7080,19529.8070,137.1140,E162  
6163,27498.4650,19513.9570,137.6230,E163  
7023,27493.8750,19508.0140,137.9380,PI23  
7024,27464.0120,19498.0280,138.0100,PI24  
6164,27483.1490,19504.4270,138.0770,E164  
8145,27469.6590,19497.3370,137.8890,BE  
8146,27471.8890,19494.1950,137.9460,BE  
8147,27483.1050,19497.4830,137.9430,BE  
8148,27484.5390,19501.6320,137.8580,BE  
8149,27493.7520,19506.1320,137.7890,BE  
8150,27496.8940,19502.4820,137.7850,BE  
8151,27509.8690,19501.0480,137.7370,BE  
8152,27509.9000,19503.7250,137.8120,BE  
8153,27506.8920,19511.1160,137.7120,BE  
8154,27512.1070,19521.7460,137.3300,BE  
8155,27508.4240,19523.3480,137.3070,BE  
8156,27500.0960,19511.2990,137.7020,BE  
8157,27496.0830,19509.3420,137.7790,CE  
8158,27478.4720,19505.9770,137.8970,CE  
7024,27464.0120,19498.0280,138.0100,PI24  
7025,27412.1860,19491.9240,137.3610,PI25  
6165,27463.2730,19497.9410,137.8010,E165  
6166,27443.4540,19495.6060,137.7270,E166  
6167,27423.5400,19493.2610,137.4350,E167  
8159,27408.7620,19492.3870,137.1340,CE  
8160,27394.9730,19483.2920,136.8550,BE  
8161,27396.6240,19480.4810,136.8180,BE  
8162,27409.4480,19486.2200,136.9770,BE  
8163,27411.0440,19490.2460,137.1570,BE  
8164,27424.7650,19493.0840,137.2950,BE  
8165,27428.6190,19489.8440,137.3910,BE  
8166,27443.9330,19494.2110,137.5200,BE  
8167,27449.5180,19491.2620,137.6680,BE  
7025,27412.1860,19491.9240,137.3610,PI25  
7026,27287.7610,19429.7950,135.7000,PI26  
6168,27404.4960,19488.0840,137.1790,E168  
6169,27386.5160,19479.1060,137.0470,E169  
6170,27368.6370,19470.1790,136.8280,E170  
6171,27350.7380,19461.2420,136.5900,E171  
6172,27332.8540,19452.3110,136.3050,E172  
6173,27314.9730,19443.3830,135.9580,E173

6174,27296.9510,19434.3830,135.3460,E174  
8168,27333.8460,19450.0270,136.0860,BE  
8169,27336.4240,19447.4540,136.1370,BE  
8170,27361.7900,19464.7410,136.4210,BE  
8171,27367.4140,19463.6560,136.5090,BE  
7026,27287.7610,19429.7950,135.7000,PI26  
7027,27210.0820,19396.7630,134.5430,PI27  
6175,27279.1030,19426.1130,135.6510,E175  
6176,27260.6450,19418.2640,135.4040,E176  
6177,27242.2300,19410.4330,135.1800,E177  
6178,27223.8640,19402.6230,134.8780,E178  
7027,27210.0820,19396.7630,134.5430,PI27  
7028,27213.5750,19346.7520,135.2060,PIA  
7029,27160.6480,19363.9860,133.8080,PI1  
8172,27161.6770,19362.1610,133.6310,BE  
8173,27164.6430,19359.7000,133.5680,BE  
8174,27165.6340,19359.1320,133.9090,CE  
8175,27160.2210,19364.2920,133.7660,CE  
8176,27159.4290,19365.3580,133.7760,CE  
8177,27177.4040,19375.2630,133.9880,BE  
8178,27179.9050,19372.2530,133.8790,BE  
8179,27196.1780,19378.9350,134.4530,CE  
8180,27204.4500,19387.5610,134.2510,BE  
8181,27203.1870,19391.4080,134.4570,BE  
8182,27232.6390,19389.7100,134.9090,BE  
8183,27232.8140,19389.2530,135.1290,CE  
8184,27258.1350,19380.3050,135.8980,CE  
8185,27260.4600,19386.0090,135.5840,CE  
8186,27256.3910,19386.1370,135.3350,BE  
8187,27253.6360,19383.5700,135.2500,BE  
8188,27231.5040,19393.6070,134.9020,BE  
8189,27222.4660,19394.2740,134.7140,BE  
8190,27225.3640,19397.2040,134.6630,BE  
8191,27229.5070,19403.1410,134.7740,BE  
8192,27235.8180,19401.9010,134.9780,PO  
8193,27233.4980,19405.3580,135.0380,PO  
8194,27207.6480,19396.4160,134.4670,CE  
7100,60000.0000,40000.0000,150.0000,  
7101,60074.7180,39931.2490,155.6930,PI1  
9001,60014.7400,39986.4370,149.8530,E1  
9002,60029.5100,39972.8470,150.1880,E2  
9003,60044.2300,39959.3030,151.5290,E3  
9004,60058.8550,39945.8460,153.9050,E4  
9005,60073.4680,39932.4000,155.6820,E5  
8195,60072.0440,39931.6410,156.1770,CE  
8196,60067.8380,39940.0330,154.6190,POC  
8197,60069.2990,39950.1050,153.4000,CE  
8198,60063.3250,39946.6940,153.2740,BE  
8199,60063.4750,39952.8850,153.3740,BE  
8200,60028.8090,39976.0920,150.1820,BE  
8201,60029.5540,39982.7460,149.9520,BE  
8202,60013.6130,39994.0480,149.5710,BE  
8203,60017.1240,39998.5410,149.3700,BE  
8204,60010.3560,40000.6100,149.3710,BE  
8205,60002.3550,40021.0470,148.9840,BE  
8206,60009.5460,40023.6410,148.9050,BE  
8207,59999.5770,40008.3070,149.4220,BE  
8208,60002.7210,40002.7220,149.4930,BE  
8209,60017.1570,39999.8740,149.3680,BE  
8210,60014.1830,40017.3580,148.8910,CE

8211,59995.4280,40017.6960,149.5690,CE  
8212,59995.2570,40003.9450,149.8400,CE  
8213,59997.9060,40000.5730,149.7770,CE  
8214,59995.6420,39999.6090,150.0350,PO  
8215,59993.9960,40002.5200,149.9960,PO  
7101,60074.7180,39931.2490,155.6930,PI1  
7102,60202.0030,39845.7810,155.0080,PI2  
9006,60089.9980,39920.9890,154.2470,E6  
9007,60106.5840,39909.8510,153.5790,E7  
9008,60123.2310,39898.6740,153.6330,E8  
9009,60139.9130,39887.4720,153.5420,E9  
9010,60156.4910,39876.3400,153.8510,E10  
9011,60173.1860,39865.1310,154.0500,E11  
9012,60189.8280,39853.9550,154.4800,E12  
8216,60203.0040,39844.3990,155.1140,CE  
8217,60183.1370,39870.3200,153.8780,CE  
8218,60192.7760,39871.5960,153.7220,CE  
8219,60173.6360,39862.5450,154.1470,PO  
8220,60170.7470,39864.4610,154.1410,PO  
8221,60184.9150,39861.6130,154.1090,BE  
8222,60187.8440,39866.7670,153.9780,BE  
8223,60177.0530,39865.2300,153.9500,BE  
8224,60171.8650,39867.9270,153.9100,BE  
8225,60167.0670,39871.5370,153.6940,BE  
8226,60112.6570,39906.8620,153.5880,BE  
8227,60115.7650,39912.3280,153.5830,BE  
8228,60119.3550,39896.4570,153.7110,CE  
7102,60202.0030,39845.7810,155.0080,PI2  
7103,60358.5080,39859.3340,152.9310,PI3  
9013,60207.0420,39846.2170,155.1770,E13  
9014,60226.9590,39847.9420,155.1150,E14  
9015,60246.8890,39849.6680,154.5500,E15  
9016,60266.8910,39851.4000,154.6020,E16  
9017,60286.8240,39853.1260,154.8290,E16  
9018,60306.7240,39854.8490,154.6440,E18  
9019,60326.6880,39856.5780,154.0400,E19  
9020,60346.6280,39858.3040,153.3430,E20  
8229,60308.6270,39858.4340,154.1490,BE  
8230,60303.8610,39865.3240,154.0810,BE  
8231,60251.9850,39851.5830,154.1590,BE  
8232,60238.8320,39855.6320,154.1340,BE  
8233,60217.9340,39850.4760,155.0140,BE  
8234,60213.8320,39856.9030,154.4690,BE  
8235,60223.8920,39876.7740,153.2590,CE  
8236,60283.4970,39852.5260,154.7610,CE  
7103,60358.5080,39859.3340,152.9310,PI3  
7104,60550.6380,39852.0630,150.0250,PI4  
9021,60370.7120,39858.8720,152.4550,E21  
9022,60390.7340,39858.1140,151.6170,E22  
9023,60410.7450,39857.3570,151.3260,E23  
9024,60430.7470,39856.6000,150.6780,E24  
9025,60450.7240,39855.8440,150.0280,E25  
9026,60470.7080,39855.0870,150.1960,E26  
9027,60490.6850,39854.3320,150.0720,E27  
9028,60510.6540,39853.5760,149.9140,E28  
9029,60530.5860,39852.8210,150.0920,E29  
9030,60550.4680,39852.0700,150.0160,E30  
8237,60508.7010,39852.7950,149.8640,CE  
8238,60498.6680,39872.8830,149.3380,CE  
8239,60486.9060,39863.7310,149.5290,BE

8240, 60483.8620, 39872.0380, 149.2110, BE  
8241, 60434.1530, 39866.1280, 149.6430, BE  
8242, 60431.8960, 39870.8180, 149.7220, BE  
8243, 60444.9490, 39855.1980, 149.4690, RI  
8244, 60446.6930, 39855.2040, 149.6990, RI  
8245, 60447.5870, 39863.0640, 149.1710, RI  
8246, 60450.1070, 39864.9470, 149.4360, RI  
8247, 60446.7370, 39865.6450, 149.4190, RI  
8248, 60457.4200, 39868.4480, 149.2240, RI  
8249, 60478.5420, 39872.0190, 149.1680, RI  
8250, 60477.6490, 39871.9980, 149.0660, RI  
8251, 60476.7390, 39872.2140, 149.1350, RI  
7104, 60550.6380, 39852.0630, 150.0250, PI4  
7105, 60817.7670, 39757.3690, 147.7460, PI5  
9031, 60569.2730, 39845.4570, 149.9560, E31  
9032, 60588.1350, 39838.7700, 149.9020, E32  
9033, 60606.9650, 39832.0950, 149.8040, E33  
9034, 60625.8540, 39825.3990, 149.6570, E34  
9035, 60644.7030, 39818.7170, 149.4670, E35  
9036, 60663.5420, 39812.0380, 149.4420, E36  
9037, 60682.3630, 39805.3660, 149.3060, E37  
9038, 60701.2180, 39798.6820, 149.1320, E38  
9039, 60720.0750, 39791.9970, 148.9890, E39  
9040, 60738.9280, 39785.3130, 148.7710, E40  
9041, 60757.7470, 39778.6430, 148.3920, E41  
9042, 60776.6210, 39771.9520, 148.2510, E42  
9043, 60795.4340, 39765.2830, 147.9840, E43  
9044, 60814.2530, 39758.6110, 147.7060, E44  
8252, 60801.5380, 39761.8030, 147.9200, CE  
8253, 60781.7110, 39788.6000, 147.5190, CE  
8254, 60786.4540, 39781.3570, 147.2240, BE  
8255, 60774.9740, 39789.0820, 147.3520, BE  
8256, 60700.5840, 39815.9080, 148.6090, CE  
8257, 60675.7180, 39826.7230, 148.8860, CE  
8258, 60673.1410, 39826.5280, 148.8340, BE  
8259, 60667.9260, 39822.2990, 148.8950, BE  
8260, 60668.0500, 39851.1210, 149.2710, BE  
8261, 60595.3630, 39848.1890, 149.4690, BE  
8262, 60608.7640, 39830.2160, 149.7680, CE  
7105, 60817.7670, 39757.3690, 147.7460, PI5  
7106, 61179.8670, 39578.7330, 142.2870, PI6  
9045, 60832.5200, 39750.0910, 147.6870, E45  
9046, 60850.4220, 39741.2590, 147.3170, E46  
9047, 60868.3610, 39732.4090, 147.0530, E47  
9048, 60886.2790, 39723.5700, 146.6880, E48  
9049, 60904.1970, 39714.7300, 146.4150, E49  
9050, 60922.1200, 39705.8880, 146.2030, E50  
9051, 60940.0200, 39697.0580, 145.9690, E51  
9052, 60957.9350, 39688.2200, 145.5110, E52  
9053, 60975.8200, 39679.3960, 145.2760, E53  
9054, 60993.6720, 39670.5890, 144.8550, E54  
9055, 61011.6190, 39661.7350, 144.5140, E55  
9056, 61029.5490, 39652.8900, 144.2530, E56  
9057, 61047.5150, 39644.0270, 144.0060, E57  
9058, 61065.4710, 39635.1670, 143.8400, E58  
9059, 61083.3750, 39626.3360, 143.4890, E59  
9060, 61101.3400, 39617.4730, 143.3820, E60  
9061, 61119.2980, 39608.6120, 143.3180, E61  
7105, 60817.7670, 39757.3690, 147.7460, PI5  
9062, 61137.1680, 39599.7980, 143.1650, E62

9063, 61155.1100, 39590.9450, 141.8200, E63  
9064, 61173.0050, 39582.1140, 141.7430, E64  
7106, 61179.8670, 39578.7330, 142.2870, PI6  
8263, 61144.1470, 39596.1170, 143.2320, CE  
8264, 61155.4770, 39614.0830, 142.5140, CE  
8265, 61170.2510, 39629.3430, 142.2140, CE  
8266, 61174.9940, 39622.1710, 142.2440, CE  
8267, 61165.7550, 39611.8680, 142.3310, CE  
8268, 61152.1450, 39611.6810, 142.0030, CE  
8269, 61162.4170, 39607.4490, 142.1580, BE  
8270, 61142.5220, 39611.5030, 142.1290, BE  
8271, 61167.9330, 39593.7820, 141.8880, BE  
8272, 61176.9500, 39585.9060, 142.2120, BU  
8273, 61176.8630, 39585.7260, 141.5850, BU  
8274, 61179.5680, 39589.4500, 142.2620, BU  
8275, 61179.6980, 39589.5930, 141.5970, BU  
8276, 61189.4420, 39562.5140, 142.7420, CEC  
8277, 61192.7070, 39558.2820, 142.7290, CEC  
8278, 61181.4220, 39556.1690, 142.9710, CA  
7106, 61179.8670, 39578.7330, 142.2870, PI6  
7107, 61279.5300, 39454.2550, 141.5160, PI7  
9065, 61187.7260, 39568.9170, 142.6830, E65  
9066, 61200.2090, 39553.3260, 142.5990, E66  
9067, 61212.6870, 39537.7400, 142.4670, E67  
9068, 61225.1320, 39522.1960, 142.3300, E68  
9069, 61237.6050, 39506.6170, 141.9770, E69  
9070, 61250.1040, 39491.0050, 141.6580, E70  
9071, 61262.5720, 39475.4320, 141.4900, E71  
9072, 61275.0370, 39459.8640, 141.5880, E72  
7107, 61279.5300, 39454.2550, 141.5160, PI7  
7108, 61504.1950, 39164.1070, 143.9720, PI8  
7107, 61279.5300, 39454.2550, 141.5160, PI7  
9073, 61287.6070, 39443.8240, 141.3720, E73  
9074, 61299.8420, 39428.0230, 141.5130, E74  
9075, 61312.0500, 39412.2560, 141.5410, E75  
9076, 61324.2890, 39396.4490, 141.4880, E76  
9077, 61336.5450, 39380.6200, 141.1020, E77  
9078, 61348.7620, 39364.8430, 141.1740, E78  
9079, 61361.0200, 39349.0110, 140.2990, E79  
9080, 61373.2640, 39333.1980, 140.3930, E80  
9081, 61385.5250, 39317.3640, 141.1120, E81  
9082, 61397.7440, 39301.5830, 141.7340, E82  
9083, 61409.9640, 39285.8000, 142.3590, E83  
9084, 61422.1820, 39270.0210, 142.4450, E84  
9085, 61434.4000, 39254.2410, 141.8640, E85  
9086, 61446.6200, 39238.4600, 141.8310, E86  
9087, 61458.8680, 39222.6420, 141.8160, E87  
9088, 61471.0890, 39206.8580, 142.6260, E88  
9089, 61483.3280, 39191.0520, 142.5260, E89  
9090, 61495.5820, 39175.2250, 143.2770, E90  
7109, 61568.1340, 39079.8100, 144.6030, PI9  
9091, 61507.9060, 39159.2150, 144.2010, E91  
9092, 61520.0070, 39143.2600, 144.3790, E92  
9093, 61532.1030, 39127.3130, 144.4020, E93  
9094, 61544.1830, 39111.3870, 144.6480, E94  
9095, 61556.2500, 39095.4770, 144.8080, E95  
8279, 61563.2190, 39085.1360, 144.5940, CE  
8280, 61572.9780, 39091.5650, 144.3600, CE  
8281, 61568.7110, 39093.2190, 144.4750, BE  
8282, 61560.8170, 39092.8210, 144.5400, BE

8283,61529.0750,39127.2090,144.3160,CE  
8284,61491.0010,39179.4000,142.8910,CE  
8285,61500.9070,39187.1310,142.7130,CE  
8286,61499.6740,39182.0110,142.8630,BE  
8287,61497.3360,39175.1000,143.1910,BE  
8288,61366.7130,39341.9440,139.8980,RI  
8289,61368.7690,39339.4130,139.8760,RI  
8290,61368.3320,39340.1230,139.8180,RI  
8291,61379.1380,39344.2790,139.6880,RI  
8292,61377.9140,39345.7890,139.7390,RI  
8293,61381.7590,39340.9270,139.5410,RI  
7109,61568.1340,39079.8100,144.6030,PI9  
7110,61672.0240,38930.6860,143.5290,PI10  
6097,61579.7380,39063.1530,142.6830,E97  
6098,61591.1650,39046.7510,142.2350,E98  
6099,61602.5710,39030.3780,142.0640,E99  
9100,61613.9910,39013.9860,142.8800,E100  
9101,61625.4210,38997.5800,144.1270,E101  
9102,61636.8350,38981.1960,144.6070,E102  
9103,61648.2550,38964.8030,144.5490,E102  
9104,61659.6860,38948.3950,143.8200,E104  
9105,61671.1250,38931.9760,143.5340,E105  
8294,61651.1410,38956.5930,144.2110,CE  
8295,61660.5410,38966.0920,143.9440,CE  
8296,61656.1400,38964.9010,143.9650,BE  
8297,61648.0960,38965.8270,144.3150,BE  
7110,61672.0240,38930.6860,143.5290,PI10  
7111,61722.0970,38877.9640,141.6960,PI11  
9106,61684.7880,38917.2470,142.8990,E106  
9107,61698.5910,38902.7130,142.3500,E107  
9108,61712.3610,38888.2150,142.4300,E108  
9096,61568.3150,39079.5380,144.6330,E96  
7111,61722.0970,38877.9640,141.6960,PI11  
7112,61770.6070,38843.1450,141.9790,PI12  
9109,61726.8440,38874.5560,140.9750,E109  
9110,61743.1970,38862.8200,141.7740,E110  
9111,61759.4690,38851.1400,142.0270,E111  
8298,61763.3740,38852.9390,141.8250,BE  
8299,61765.4900,38857.4850,141.7470,BE  
8300,61751.6840,38851.7470,142.4330,CE  
8301,61737.3260,38871.6730,141.1060,BU  
8302,61737.2150,38871.4110,140.3480,BU  
8303,61739.5650,38875.1500,140.7160,BU  
8304,61739.7480,38875.6100,140.3870,BU  
8305,61736.1640,38866.1710,140.0440,RI  
8306,61737.4470,38866.4620,140.1720,RI  
8307,61734.5430,38868.3750,140.2060,RI  
8308,61682.9520,38920.7550,142.7400,BE  
8309,61687.0010,38924.2970,142.5010,BE  
8310,61678.2180,38922.0060,143.1250,CE  
8311,61743.4530,38920.6830,139.7610,CE  
8312,61711.5590,38885.7960,142.1530,CE  
8313,61721.0790,38897.2210,141.6430,CE  
8314,61708.2430,38895.2750,141.4170,BE  
8315,61711.4630,38899.3010,141.3190,BE  
8316,61690.5580,38926.4230,142.5130,CE  
7112,61770.6070,38843.1450,141.9790,PI12  
7113,61984.4130,38724.2260,140.9610,PI13  
9111,61776.0250,38840.1320,141.7140,E111  
9112,61793.4950,38830.4150,141.0990,E112

9113,61810.9920,38820.6830,139.9390,E113  
9114,61828.4900,38810.9510,140.3300,E114  
9116,61845.9900,38801.2170,141.0560,E116  
9117,61863.4960,38791.4800,141.0170,E117  
9118,61880.9520,38781.7710,141.9590,E118  
9119,61898.4260,38772.0520,142.0920,E119  
9120,61915.9110,38762.3280,142.1740,E120  
9121,61933.4240,38752.5860,141.9690,E121  
9122,61950.9330,38742.8480,141.5990,E122  
9123,61968.3690,38733.1500,141.4110,E123  
8317,61953.7780,38747.7020,141.4550,BE  
8318,61956.0880,38753.4480,141.3460,BE  
8319,61911.5590,38763.3520,142.2710,CE  
8320,61805.4230,38828.6920,140.1880,BU  
8321,61805.1460,38828.1160,139.7700,BU  
8322,61807.1070,38832.3840,139.9740,BU  
8323,61807.6350,38833.0260,139.4540,BU  
7113,61984.4130,38724.2260,140.9610,PI13  
7114,62100.5250,38649.6780,139.7230,PI14  
9124,61985.6460,38723.4350,140.9600,E124  
9125,62002.4780,38712.6280,140.7320,E125  
9126,62019.2650,38701.8500,140.5420,E126  
9127,62036.0730,38691.0590,140.3180,E127  
9128,62052.9130,38680.2470,140.0360,E128  
9129,62069.7450,38669.4410,139.8210,E129  
9130,62086.6070,38658.6150,139.5310,E130  
7114,62100.5250,38649.6780,139.7230,PI14  
7115,62276.3150,38459.5510,144.0770,PI15  
8324,62104.3770,38634.4280,140.4200,CA  
8325,62095.7530,38640.9930,140.4600,CA  
8326,62090.0150,38633.5590,140.5340,CA  
8327,62102.7870,38645.5500,139.7880,PO  
8328,62100.6330,38647.5860,139.7850,PO  
8329,62120.2180,38628.3150,139.7070,CE  
8330,62124.5970,38643.0450,139.7050,CE  
8331,62119.0190,38642.6060,139.7050,BE  
8332,62112.0760,38639.9020,139.7400,BE  
8333,62098.1270,38654.6930,140.0080,BU  
8334,62098.1010,38654.4990,139.5830,BU  
8335,62101.2400,38658.2950,139.6360,BU  
8336,62101.3050,38658.4230,139.5550,BU  
8337,62080.5350,38670.0690,139.9610,BU  
8338,62080.4640,38669.8790,139.2980,BU  
8339,62083.1040,38673.6750,139.9150,BU  
8340,62083.1300,38673.9260,139.2240,BU  
8341,62094.2870,38681.9820,139.2810,CE  
8342,62042.2320,38686.0420,140.0970,CE  
8343,62055.0100,38685.9740,139.7210,BE  
8344,62060.6260,38692.2170,139.5020,BE  
9131,62105.6170,38644.1700,140.0100,E131  
9132,62119.2100,38629.4690,139.7710,E132  
9133,62132.7830,38614.7890,140.1230,E133  
9134,62146.3340,38600.1320,140.3770,E134  
9135,62159.8930,38585.4670,140.4970,E135  
9136,62173.4600,38570.7940,140.9350,E136  
9137,62187.0380,38556.1080,141.2620,E137  
9138,62200.6390,38541.3980,141.6310,E138  
9139,62214.2170,38526.7100,141.9880,E139  
9140,62227.8200,38511.9980,142.2690,E140  
9141,62241.4050,38497.3050,142.4590,E141

9142,62254.9680,38482.6350,143.0430,E142  
9143,62268.5290,38467.9670,143.4940,E143  
8345,62269.9290,38469.3370,143.2680,BE  
8346,62272.0340,38475.3710,143.0730,BE  
8347,62264.1580,38484.4470,143.0930,CE  
8348,62238.7650,38511.5130,142.3160,BE  
8349,62231.2220,38513.3210,142.2460,BE  
8350,62214.0750,38544.8410,142.0430,BE  
8351,62213.9320,38545.5700,142.2650,CE  
8352,62207.3190,38545.0910,141.7280,BE  
8353,62190.3140,38550.9840,141.3880,CE  
7115,62276.3150,38459.5510,144.0770,PI15  
7116,62439.3150,38360.9610,146.3070,PI16  
9144,62283.6410,38455.1200,144.1320,E144  
9145,62300.7270,38444.7860,144.1420,E145  
9146,62317.8140,38434.4500,144.6290,E146  
9147,62334.8980,38424.1170,145.0830,E147  
9148,62351.9860,38413.7810,145.4330,E148  
9149,62369.1040,38403.4280,145.6870,E149  
9150,62386.2840,38393.0370,145.9320,E150  
9151,62403.3960,38382.6870,146.1300,E151  
9152,62420.4830,38372.3520,146.2980,E152  
9153,62437.5480,38362.0300,146.2220,E153  
8354,62438.3490,38365.0920,145.9690,BE  
8355,62441.2240,38370.6480,145.7390,BE  
7116,62439.3150,38360.9610,146.3070,PI16  
7117,62546.3270,38326.9980,145.9340,PI17  
9154,62456.4780,38355.5140,146.2130,E154  
9155,62475.5540,38349.4600,146.1180,E155  
9156,62494.6350,38343.4040,146.0430,E156  
9157,62513.7150,38337.3480,145.9850,E157  
9158,62532.8160,38331.2870,145.8080,E158  
8356,62532.6270,38330.1720,145.7380,CE  
8357,62534.1560,38334.6180,145.3130,BE  
8358,62534.9320,38340.2620,145.4880,BE  
8359,62500.7080,38345.5450,145.7710,BE  
8360,62500.4330,38352.5170,145.8300,BE  
8361,62272.9170,38461.2470,143.7510,CE  
8362,62447.4890,38370.2730,146.0150,CE  
8363,62453.0880,38377.3760,145.7960,CE  
8364,62325.9590,38430.9890,144.6800,BE  
8365,62328.7920,38435.1320,144.6060,BE  
8366,62438.6090,38359.7810,146.3550,CE  
7117,62546.3270,38326.9980,145.9340,PI17  
7118,62727.8390,38224.3640,142.9180,PI18  
9159,62551.3080,38324.1820,145.5610,E159  
9160,62568.7080,38314.3430,145.3040,E160  
9161,62586.1290,38304.4920,145.0300,E161  
9162,62603.5290,38294.6540,144.7980,E162  
9163,62620.9630,38284.7960,144.4490,E163  
9164,62638.3590,38274.9600,144.2080,E164  
9165,62655.7470,38265.1280,143.9650,E165  
9166,62673.1790,38255.2710,143.6300,E166  
9167,62690.5340,38245.4580,143.3150,E167  
9168,62707.9360,38235.6180,143.1330,E168  
9169,62725.3510,38225.7710,142.9200,E169  
7118,62727.8390,38224.3640,142.9180,PI18  
7119,62919.9830,38148.6470,141.0480,PI19  
9170,62743.8250,38218.0640,142.6360,E170  
9171,62762.4560,38210.7230,142.1620,E171

9172,62781.0020,38203.4150,142.1590,E172  
9173,62799.5900,38196.0900,141.9520,E173  
9174,62818.1860,38188.7620,141.7180,E174  
9175,62836.7480,38181.4470,141.5430,E175  
9176,62855.4000,38174.0970,141.4490,E176  
9177,62874.0250,38166.7580,141.2610,E177  
9178,62892.6180,38159.4320,141.1580,E178  
9179,62911.1680,38152.1210,141.0850,E179  
8367,62910.5980,38153.4370,140.7990,BE  
8368,62908.4480,38161.9150,140.9440,BE  
8369,62897.0120,38157.2180,141.0560,CE  
8370,62750.4270,38213.9490,142.6460,CE  
8371,62685.6450,38249.1340,143.1700,BE  
8372,62689.6670,38254.0510,143.3120,BE  
8373,62669.5370,38256.7250,143.6830,CE  
8374,62721.1210,38227.0610,143.0350,CE  
7119,62919.9830,38148.6470,141.0480,PI19  
7120,63035.3290,38099.4800,139.5370,PI20  
9180,62929.8370,38144.4470,141.0060,E180  
9181,62948.1300,38136.6490,140.7560,E181  
9182,62966.6350,38128.7610,140.4300,E182  
9183,62984.9890,38120.9380,140.2170,E183  
9184,63003.1630,38113.1910,139.9290,E184  
9185,63021.5390,38105.3580,139.6680,E185  
8375,63025.1870,38103.5550,139.6030,BE  
8376,63022.6910,38111.7780,139.7370,BE  
8377,62998.0700,38113.8020,140.0930,BE  
8378,62992.7690,38123.5610,140.2430,BE  
8379,62974.8710,38126.2160,140.5540,BU  
8380,62974.9000,38126.0440,140.1570,BU  
8381,62976.8580,38129.6570,140.8170,BU  
8382,62976.9250,38129.8250,140.0070,BU  
8383,62949.5510,38135.4110,140.6150,CE  
7120,63035.3290,38099.4800,139.5370,PI20  
7121,63150.2360,38058.7440,137.0360,PI21  
9186,63040.2790,38097.7250,139.5930,E186  
9187,63059.1480,38091.0350,139.2180,E187  
9188,63078.0470,38084.3350,138.8390,E188  
9189,63096.9220,38077.6440,138.4930,E189  
9190,63115.7450,38070.9710,137.9780,E190  
9191,63134.7050,38064.2490,137.5630,E191  
8384,63140.8430,38062.3120,137.2750,BE  
8385,63143.2410,38067.9820,137.1160,BE  
8386,63047.9290,38102.4370,139.3330,BE  
8387,63046.3380,38096.3390,139.3060,BE  
8388,63046.3400,38095.3160,139.4010,CE  
8389,63052.3900,38101.8680,139.3290,CE  
8390,63034.2490,38108.5350,139.7130,CE  
8391,63031.8470,38117.4400,139.7130,CE  
8392,63002.7540,38109.4000,140.1950,CE  
7121,63150.2360,38058.7440,137.0360,PI21  
7122,63217.0180,38029.2140,136.5120,PI22  
9192,63153.2180,38057.4250,137.1300,E192  
9193,63171.4910,38049.3460,136.2920,E193  
9194,63189.7670,38041.2640,136.7120,E194  
9195,63208.0710,38033.1700,136.1540,E195  
7122,63217.0180,38029.2140,136.5120,PI22  
7123,63264.7800,37996.4560,136.1690,PI23  
9196,63225.4620,38023.4230,136.4120,E196  
9197,63241.9610,38012.1060,136.5210,E197

9198,63258.3160,38000.8880,136.4390,E198  
8393,63254.1680,38005.1210,136.1300,BE  
8394,63257.4100,38009.7960,136.1980,BE  
8395,63241.6650,38012.5650,136.4210,CE  
8396,63238.7400,38025.0620,136.3190,CE  
8397,63226.5190,38023.4090,136.1530,BE  
8398,63228.5060,38028.6240,136.1930,BE  
8399,63207.1240,38035.4550,136.7560,BU  
8400,63207.0830,38035.2770,136.0570,BU  
8401,63209.2250,38039.0460,136.6770,BU  
8402,63209.2830,38039.3170,136.2400,BU  
8403,63198.9660,38037.0220,136.4810,CE  
8404,63193.5290,38049.1650,136.3830,CE  
8405,63189.0940,38049.1140,136.4390,BE  
8406,63187.0750,38044.4150,136.2800,BE  
7123,63264.7800,37996.4560,136.1690,PI23  
7124,63304.9130,37959.6630,136.3230,PI24  
9199,63273.8720,37988.1210,136.4850,E199  
9200,63288.5360,37974.6770,136.2890,E200  
9201,63303.2420,37961.1950,136.5040,E201  
7124,63304.9130,37959.6630,136.3230,PI24  
7125,63610.8500,37474.7350,139.6370,PI25  
9202,63314.4460,37944.5530,136.7200,E202  
9203,63325.1240,37927.6270,136.6860,E203  
9204,63335.7740,37910.7460,136.3980,E204  
9205,63346.4550,37893.8170,136.4050,E205  
9206,63357.1260,37876.9010,136.6050,E206  
9207,63367.7740,37860.0250,136.6820,E207  
9208,63378.4520,37843.1000,136.8970,E208  
9209,63389.1220,37826.1850,137.0130,E209  
9210,63399.8000,37809.2610,136.9690,E210  
9211,63410.4730,37792.3450,136.9790,E211  
9212,63421.1970,37775.3460,137.0600,E212  
9213,63431.8840,37758.4070,136.6160,E213  
9214,63442.5850,37741.4460,136.5450,E214  
9215,63453.2410,37724.5540,136.8830,E215  
9216,63463.8980,37707.6630,137.0420,E216  
9217,63474.5740,37690.7410,136.8570,E217  
9218,63485.2150,37673.8740,137.0780,E218  
9219,63495.9570,37656.8470,137.1730,E219  
9220,63506.6390,37639.9160,137.4820,E220  
9221,63517.3080,37623.0050,137.7970,E221  
9222,63528.0050,37606.0500,138.0450,E222  
9223,63538.6860,37589.1200,138.5820,E223  
9224,63549.3360,37572.2390,138.3920,E224  
9225,63560.0160,37555.3090,138.2890,E225  
9226,63570.6630,37538.4340,138.5140,E226  
9227,63581.3500,37521.4940,138.6240,E227  
9228,63592.0070,37504.6070,139.5140,E228  
9229,63602.6670,37487.7110,139.6320,E229  
8407,63321.6330,37948.7480,136.4070,CE  
8408,63313.6590,37944.2900,136.6580,CE  
8409,63315.3000,37945.1010,136.3500,BE  
8410,63320.6230,37948.3970,136.4590,BE  
8411,63343.7690,37909.7970,136.7500,BU  
8412,63343.8880,37909.9860,136.1120,BU  
8413,63340.0490,37907.5150,136.8020,BU  
8414,63339.8990,37907.4710,136.0470,BU  
7125,63610.8500,37474.7350,139.6370,PI25  
7126,63681.6670,37383.5980,141.2060,PI26

9230,63613.6230,37471.1670,139.3090,E230  
9231,63625.9230,37455.3370,139.8640,E231  
9232,63638.1960,37439.5430,139.8610,E232  
9233,63650.4850,37423.7280,140.3530,E233  
9234,63662.7540,37407.9390,140.8230,E234  
9235,63675.0440,37392.1220,141.1880,E235  
8415,63644.4540,37433.0990,139.9360,BE  
8416,63647.2910,37437.5930,139.7660,BE  
8417,63631.8470,37446.5220,139.9250,CE  
8418,0.0000,0.0000,0.0000,CE  
8419,63638.7070,37458.2020,139.7670,CE  
8420,63592.5620,37523.9200,138.8450,CE  
8421,63582.5540,37515.9690,138.7310,CE  
8422,63586.1220,37517.5140,138.4250,BE  
8423,0.0000,0.0000,0.0000,BE  
8424,63590.5300,37519.7590,138.5630,BE  
8425,63591.1400,37508.3680,138.7190,BE  
8426,63567.3710,37563.6280,138.0900,BE  
8427,63562.6110,37559.8450,138.0760,BE  
8428,63613.7810,37469.9930,139.8580,RI  
8429,63613.3250,37470.8640,139.2910,RI  
8430,63612.6630,37471.8010,139.7150,RI  
8431,63617.6290,37471.3520,139.0860,RI  
8432,63617.3900,37469.9260,139.1330,RI  
8433,63617.4550,37470.7950,139.1200,RI  
8434,63605.8110,37475.7170,139.1980,RI  
8435,63610.7870,37470.2410,139.2390,RI  
8436,63615.1620,37462.7990,139.3780,RI  
7126,63681.6670,37383.5980,141.2060,PI26  
7127,63752.5730,37312.6580,142.6170,PI27  
9236,63688.1070,37377.1550,140.9540,E236  
9237,63702.2490,37363.0060,140.9740,E237  
9238,63716.3970,37348.8510,141.5720,E238  
9239,63730.5470,37334.6940,142.0810,E239  
9240,63744.7030,37320.5320,141.9480,E240  
7127,63752.5730,37312.6580,142.6170,PI27  
7128,63868.7160,37171.9020,145.0510,PI28  
9241,63758.1910,37305.8490,142.6760,E241  
9242,63770.9410,37290.3970,142.8270,E242  
9243,63783.6710,37274.9700,142.7010,E243  
9244,63796.4100,37259.5320,143.1130,E244  
9245,63809.1500,37244.0910,143.2930,E245  
9246,63821.8590,37228.6890,143.5850,E246  
9247,63834.5690,37213.2860,144.3300,E247  
9248,63847.3060,37197.8500,144.4540,E248  
9249,63860.0310,37182.4280,144.9210,E249  
8437,63881.3250,37156.6220,145.1760,BE  
8438,63890.1930,37146.8480,145.3880,BE  
8439,63887.5260,37153.0540,145.0620,BE  
8440,63891.4310,37157.9080,145.0180,BE  
8441,63857.1500,37191.2410,144.7370,BE  
8442,63852.9590,37189.9820,144.8840,BE  
8443,63858.8000,37197.9640,144.3360,CE  
8444,63848.0460,37194.5090,145.0330,CE  
8445,63680.5830,37383.8540,141.3240,CE  
8446,63682.4180,37385.1830,140.7280,BE  
8447,63686.2690,37388.3230,140.6600,BE  
8448,63729.9960,37337.5390,141.5660,BE  
8449,63733.7900,37341.3080,141.4880,BE  
8450,63752.0090,37325.4840,141.8680,BE

8451, 63748.7520, 37320.3070, 141.8530, BE  
8452, 63745.7090, 37317.6760, 142.3890, CE  
8453, 63760.8800, 37318.7910, 142.1500, CE  
7128, 63868.7160, 37171.9020, 145.0510, PI28.  
7129, 64088.1840, 36938.7750, 150.9550, PI29  
9250, 63873.0890, 37167.2570, 145.1820, E250  
9251, 63886.7900, 37152.7040, 145.2910, E251  
9252, 63900.4950, 37138.1460, 145.6770, E252  
9253, 63914.2030, 37123.5850, 145.7400, E253  
9254, 63927.9260, 37109.0080, 145.9470, E254  
9255, 63941.6500, 37094.4290, 146.2030, E255  
9256, 63955.3830, 37079.8410, 146.4340, E256  
9257, 63969.1070, 37065.2630, 146.7910, E257  
9258, 63982.7820, 37050.7370, 147.1540, E258  
9259, 63996.4950, 37036.1700, 147.8680, E259  
9260, 64010.2120, 37021.6000, 148.2040, E260  
9261, 64023.9070, 37007.0510, 148.4280, E261  
9262, 64037.5960, 36992.5110, 148.8680, E262  
9263, 64051.3120, 36977.9420, 149.0580, E263  
9264, 64065.0380, 36963.3620, 149.8030, E264  
9265, 64078.7410, 36948.8050, 150.5750, E265  
7129, 64088.1840, 36938.7750, 150.9550, PI29  
7130, 64196.6770, 36903.7320, 159.2280, PI30  
9266, 64093.9260, 36936.9200, 151.1380, E266  
9267, 64113.0120, 36930.7550, 152.1190, E267  
9268, 64132.0180, 36924.6170, 153.3050, E268  
9269, 64151.0440, 36918.4710, 154.9630, E269  
9270, 64170.0220, 36912.3410, 157.2160, E270  
9271, 64188.9890, 36906.2150, 158.6790, E271  
8454, 64197.6420, 36909.8960, 159.8180, BE  
8455, 64194.3340, 36916.8430, 159.8080, BE  
8456, 64192.0390, 36920.2420, 160.1240, CE  
8457, 64178.2990, 36906.0440, 157.6270, CE  
8458, 64137.0480, 36930.8070, 153.9270, CE  
8459, 64133.9710, 36928.7900, 153.5150, BE  
8460, 64125.8580, 36925.2670, 152.9530, BE  
8461, 64101.5170, 36935.2640, 151.4750, BE  
8462, 64101.4710, 36940.9170, 151.1680, BE  
8463, 64095.3860, 36935.4210, 151.2090, CE  
8464, 64075.4940, 36950.0670, 150.5730, CE  
8465, 63939.9350, 37094.0680, 146.2680, CE  
8466, 64081.3800, 36955.2930, 150.4000, BE  
8467, 63943.5550, 37097.4680, 146.0580, BE  
8468, 64078.8090, 36949.9860, 150.4940, BE  
8469, 63940.2920, 37093.7600, 146.2890, BE  
8470, 64077.3650, 36964.1390, 150.5820, CE  
8471, 64004.8240, 37029.5890, 147.6870, BE  
8472, 64008.7100, 37032.3180, 147.7680, BE  
7130, 64196.6770, 36903.7320, 159.2280, PI30  
7131, 64266.8610, 36892.7130, 160.3370, PI31  
9272, 64208.2000, 36901.9230, 159.9930, E272  
9273, 64227.9690, 36898.8190, 159.4900, E273  
9274, 64247.7000, 36895.7210, 159.4980, E274  
8473, 64214.0510, 36908.2770, 160.7850, BE  
8474, 64205.7870, 36908.6510, 160.4540, BE  
8475, 64196.4550, 36887.6640, 158.3980, BE  
8476, 64191.0550, 36890.9360, 158.1760, BE  
8477, 64203.0570, 36895.0810, 159.0470, PO  
8478, 64200.0780, 36897.2610, 159.0980, PO  
7131, 64266.8610, 36892.7130, 160.3370, PI31

7132,64426.5780,36778.7610,162.2030,PI32  
9275,64267.4460,36892.2950,160.2600,E275  
9276,64283.6690,36880.7210,159.7900,E276  
9277,64299.9500,36869.1050,159.0660,E277  
9278,64316.2220,36857.4960,158.9200,E278  
9279,64332.4450,36845.9220,159.2430,E279  
9280,64348.7310,36834.3020,159.1810,E280  
9281,64364.9740,36822.7120,159.5200,E281  
9282,64381.2360,36811.1100,160.6320,E282  
9283,64397.4490,36799.5440,162.1040,E283  
9284,64413.8080,36787.8720,162.8550,E284  
8479,64409.0040,36793.6820,162.5470,BE  
8480,64410.5040,36798.6810,162.6880,BE  
8481,64399.4440,36810.7880,162.2930,CE  
8482,64369.9800,36821.9270,160.0540,BE  
8483,64369.9340,36830.1320,160.0150,BE  
8484,64290.1840,36881.6710,160.6220,BE  
8485,64292.4940,36886.2940,161.1190,BE  
8486,64281.0740,36882.1580,159.7920,CE  
8487,64263.0780,36892.9480,160.0500,CE  
8488,64296.5390,36888.3130,162.3350,CE  
8489,64250.9230,36909.5480,162.6190,CE  
8490,64264.6850,36901.6220,161.5300,CE  
8491,64266.4210,36895.2080,160.8920,BE  
7132,64426.5780,36778.7610,162.2030,PI32  
7133,64514.8470,36697.0780,158.8230,PI33  
9285,64429.8460,36775.7370,162.1310,E285  
9286,64444.5570,36762.1230,161.8310,E286  
9287,64459.2210,36748.5530,161.0480,E287  
9288,64473.8930,36734.9760,160.4770,E288  
9289,64488.5900,36721.3760,160.0230,E289  
9290,64503.2370,36707.8220,159.5070,E290  
8492,64502.8390,36711.1290,159.3040,BE  
8493,64506.0690,36716.6210,159.4350,BE  
8494,64494.4110,36731.6450,160.1270,CE  
8495,64464.0760,36765.0500,161.6950,CE  
8496,64454.3440,36772.6030,161.7290,CE  
8497,64441.4640,36779.2640,161.8900,CE  
8498,64437.6570,36776.5820,161.9380,BE  
8499,64432.9940,36774.3110,161.8780,BE  
8500,64430.2260,36773.9440,162.0460,CE  
8501,64422.8980,36793.3600,162.7900,CE  
8502,64412.4640,36801.0280,162.7830,CE  
8503,64417.6050,36803.9150,162.8890,CA  
8504,64422.9870,36800.2410,162.8410,CA  
8505,64425.1700,36803.0950,162.7940,CA  
7133,64514.8470,36697.0780,158.8230,PI33  
7134,64662.6700,36529.0500,155.9620,PI34  
9291,64517.5960,36693.9530,158.7390,E291  
9292,64530.7870,36678.9590,158.3440,E292  
9293,64543.9930,36663.9480,158.1560,E293  
9294,64557.1990,36648.9360,157.8630,E294  
9295,64570.4230,36633.9050,157.5020,E295  
9296,64583.6320,36618.8910,157.0240,E296  
9297,64596.8550,36603.8600,156.0790,E297  
9298,64610.0620,36588.8480,155.6790,E298  
9299,64623.2390,36573.8700,155.2890,E299  
9300,64636.4270,36558.8780,155.0770,E300  
9301,64649.6400,36543.8600,155.6730,E301  
8506,64649.2090,36543.8470,155.6770,CE

9327,64984.7350,36146.1490,155.0250,E327  
9328,64997.7760,36131.0490,154.9650,E328  
9329,65010.8510,36115.9080,154.7690,E329  
9330,65023.8720,36100.8320,154.5980,E330  
9331,65036.9480,36085.6890,154.1990,E331  
9332,65050.0210,36070.5520,154.1360,E332  
9333,65063.0820,36055.4290,153.8890,E333  
9334,65076.0900,36040.3660,153.7880,E334  
9335,65089.1250,36025.2730,153.4210,E335  
9336,65102.1620,36010.1770,152.9610,E336  
9337,65115.2470,35995.0240,152.5580,E337  
7137,65122.8570,35986.2160,152.3590,PI37  
7138,65377.3240,35707.9710,144.3770,PI38  
9338,65128.7040,35979.8220,152.0070,E338  
9339,65142.2020,35965.0640,151.0360,E339  
9340,65155.7020,35950.3020,149.5420,E340  
9341,65169.2530,35935.4840,148.0530,E341  
9342,65182.7140,35920.7650,146.1370,E342  
9343,65196.1820,35906.0370,144.4020,E343  
9344,65209.6900,35891.2680,143.2750,E344  
9345,65223.2390,35876.4530,142.4820,E345  
9346,65236.7650,35861.6630,141.6660,E346  
9347,65250.3410,35846.8160,141.1980,E347  
9348,65264.0040,35831.8760,141.0720,E348  
9349,65277.5650,35817.0470,140.8830,E349  
9350,65291.0880,35802.2610,140.6460,E350  
9351,65304.6090,35787.4770,139.9770,E351  
9352,65318.1080,35772.7150,140.0090,E352  
9353,65331.6510,35757.9070,140.5200,E353  
9354,65345.1280,35743.1700,141.9700,E354  
9355,65358.7730,35728.2470,143.2250,E355  
9356,65372.3130,35713.4440,143.9060,E356  
8538,65118.5930,35992.7150,152.1600,BE  
8539,65122.5270,35998.2430,151.9290,BE  
8540,65122.7180,35999.5670,152.0610,CE  
8541,65114.8170,35994.7550,152.5800,CE  
8542,65142.3980,35962.3410,151.0330,CE  
8543,65151.5710,35968.7640,150.7030,CE  
8544,65148.6280,35966.9430,150.6190,BE  
8545,65143.3910,35962.9170,150.8470,BE  
8546,65309.0270,35786.9550,140.7680,BU  
8547,65308.7950,35786.9870,139.9880,BU  
8548,65311.8600,35790.1460,140.5150,BU  
8549,65312.1730,35790.4000,139.9010,BU  
8550,65314.3500,35794.9190,140.0290,CE  
8551,65276.3560,35818.2390,140.8850,CE  
8552,65258.3190,35838.6730,140.8810,BE  
8553,65262.1740,35843.6340,140.8740,BE  
7138,65377.3240,35707.9710,144.3770,PI38  
7139,65379.1920,35692.6080,145.3670,PI39  
9357,65378.7170,35696.5110,145.1940,E357  
8554,65377.5840,35703.5170,144.5160,CE  
8555,65383.0070,35690.1430,145.5100,POC  
8556,65386.7960,35692.3920,145.4870,FO  
8557,65384.2970,35695.8840,145.2500,PON  
8558,65385.7600,35697.1200,145.2440,PON  
8559,65383.0640,35700.0390,144.9820,PON  
8560,65394.6310,35720.5100,144.3510,FO  
8561,65386.9560,35720.2270,144.1510,CE  
8562,65385.3440,35719.5570,143.9800,BE

8507,64657.6340,36551.4350,154.2650,CE  
8508,64648.1070,36546.9150,155.0450,BE  
8509,64650.2600,36553.6540,154.6360,BE  
8510,64509.9980,36689.7280,159.2350,BE  
8511,64506.1400,36688.5910,159.3610,BE  
8512,64505.6870,36680.6900,159.5320,BE  
8513,64503.6820,36681.9440,159.6330,BE  
8514,64514.6020,36692.9210,158.7470,PO  
8515,64511.3710,36696.4780,158.9370,PO  
8516,64514.5120,36698.8730,158.7380,BE  
8517,64518.5670,36694.6690,158.4770,BE  
7135,64746.2090,36431.0110,155.0910,PI35  
9302,64662.9330,36528.7420,156.0100,E302  
9303,64676.0070,36513.3990,155.2900,E303  
9304,64688.9600,36498.1970,155.1460,E304  
9305,64701.9250,36482.9820,154.8260,E305  
9306,64714.9090,36467.7450,154.9100,E306  
9307,64727.8730,36452.5300,154.5610,E307  
9308,64740.8300,36437.3250,154.8110,E308  
8518,64743.6510,36436.2200,154.5510,BE  
8519,64748.2880,36440.8870,154.3100,BE  
7135,64746.2090,36431.0110,155.0910,PI35  
7136,64968.2050,36165.2900,154.9340,PI36  
9309,64753.6150,36422.1470,155.0680,E309  
9310,64766.3810,36406.8660,153.4720,E310  
9311,64779.1160,36391.6230,152.4380,E311  
9312,64791.8870,36376.3360,151.1590,E312  
9313,64804.7140,36360.9820,150.1480,E313  
9314,64817.5020,36345.6740,149.7170,E314  
9315,64830.3090,36330.3440,148.8000,E315  
9316,64842.9420,36315.2230,148.5800,E316  
9317,64855.7140,36299.9360,148.6480,E317  
9318,64868.5450,36284.5770,148.3250,E318  
9319,64881.3760,36269.2190,148.2290,E319  
9320,64894.1870,36253.8840,148.6930,E320  
9321,64906.9810,36238.5700,149.5150,E321  
9322,64919.7910,36223.2370,150.2380,E322  
9323,64932.5900,36207.9150,151.7370,E323  
9324,64945.4020,36192.5800,152.9570,E324  
9325,64958.2380,36177.2140,154.4220,E325  
7137,65122.8570,35986.2160,152.3590,PI37  
8520,64801.0460,36361.9980,150.0640,PO  
8521,64804.5050,36360.1330,150.0060,PO  
8522,64816.5360,36368.0590,149.9320,PO  
8523,64818.5490,36365.3960,149.9550,PO  
8524,64814.0310,36362.1980,149.7470,BE  
8525,64811.3080,36365.3600,149.8760,BE  
8526,64804.2530,36364.0420,150.0290,BE  
8527,64806.9410,36360.8900,149.9020,BE  
8528,64878.0930,36271.9510,148.1320,RI  
8529,64880.3250,36269.3070,148.1210,RI  
8530,64882.0350,36267.2840,148.0810,RI  
8531,64891.2420,36275.2320,148.1120,RI  
8532,64892.0200,36274.1790,147.9070,RI  
8533,64892.9720,36273.0190,148.1370,RI  
8534,64975.0670,36173.0820,154.4180,CE  
8535,64970.8610,36160.8440,154.9040,CE  
8536,64972.2210,36161.7060,154.7970,BE  
8537,64981.3520,36161.8800,154.7050,BE  
9326,64971.6600,36161.2890,155.0160,E326

8563,65379.9640,35711.8170,144.0790,BE  
8564,65274.2760,35816.4000,140.7630,CE  
7139,65379.1920,35692.6080,145.3670,PI39  
7140,65195.6960,35398.2330,147.7490,PI40  
9358,65370.6990,35678.9840,145.2820,E358  
9359,65360.1200,35662.0110,145.7210,E359  
9360,65349.5380,35645.0340,145.7270,E360  
9361,65338.9310,35628.0180,145.7170,E361  
9362,65328.3780,35611.0890,145.7730,E362  
9363,65317.8060,35594.1290,145.8710,E363  
9364,65307.2240,35577.1520,146.2060,E364  
9365,65296.6450,35560.1810,146.5320,E365  
9366,65286.0740,35543.2230,146.5430,E366  
9367,65275.5020,35526.2630,146.5070,E367  
9368,65264.9200,35509.2860,146.4960,E368  
9369,65254.3890,35492.3910,146.4640,E369  
9370,65243.8190,35475.4320,146.4520,E370  
9371,65233.2090,35458.4110,146.5420,E371  
9372,65222.6360,35441.4480,147.0110,E372  
9373,65212.0800,35424.5130,147.2820,E373  
9374,65201.5390,35407.6030,147.2840,E374  
8565,65212.2170,35422.9960,147.1600,POC  
8566,65223.6250,35436.4380,146.5750,FO  
8567,65234.4170,35457.6730,146.4830,POC  
8568,65258.5670,35495.3390,146.6810,POC  
8569,65257.6200,35483.6210,146.6060,FO  
8570,65272.7840,35508.3620,146.7110,FO  
8571,65280.3670,35529.6930,146.7140,POC  
8572,65305.0220,35568.4390,146.6480,POC  
8573,65330.8380,35608.4940,145.8240,POC  
8574,65355.3110,35647.0570,145.7540,POC  
8575,65344.7630,35626.0360,145.7850,FO  
8576,65352.7410,35652.4580,145.5460,CEC  
8577,65357.0450,35658.4340,145.7520,CE  
8578,65358.3250,35669.2260,145.2600,CE  
8579,65399.9710,35742.2940,143.6630,CE  
8580,65408.7520,35752.1500,143.4480,FO  
8581,65394.5060,35720.7450,144.3990,FO  
8582,65370.1490,35670.6880,145.8290,FO  
8583,65389.8350,35681.0450,146.4560,BP  
8584,65405.8720,35706.3060,146.3040,BP  
8585,65387.5430,35673.8370,146.8150,BP  
8586,65393.0770,35659.4510,146.9560,BP  
8587,65407.6130,35684.2310,146.5710,BP  
7140,65195.6960,35398.2330,147.7490,PI40  
7141,65142.0660,35314.8930,149.5800,PI41  
9375,65190.7210,35390.5010,147.9810,E375  
9376,65179.8620,35373.6270,147.9720,E376  
9377,65169.0610,35356.8430,148.5850,E377  
9378,65158.3110,35340.1370,148.8210,E378  
9379,65147.4940,35323.3280,149.4200,E379  
8600,65144.0540,35313.4400,149.6150,FO  
8601,65162.3040,35344.5570,148.6940,POC  
8602,65186.3610,35382.4100,148.1130,POC  
8603,65194.7150,35388.5410,148.2510,FO  
8604,65195.5410,35385.2790,149.1340,BU  
8605,65195.4660,35385.3720,147.8910,BU  
8606,65212.3300,35402.3080,148.9810,BP  
8607,65221.9520,35395.0520,149.0310,BP  
8608,65235.2860,35414.7530,148.9070,BP

8609,65224.4080,35419.9830,148.9130,BP  
8610,65207.4940,35433.9080,146.7730,BE  
8611,65205.9730,35429.6010,146.7330,BE  
8612,65216.8080,35419.3350,148.1820,BE  
8613,65204.3840,35427.8370,147.1460,CA  
8614,65199.8430,35419.8700,147.1280,CAC  
8615,65194.8360,35399.9090,147.6210,CE  
7141,65142.0660,35314.8930,149.5800,PI41  
7142,65062.2730,35197.7530,154.0920,PI42  
9380,65136.4240,35306.6100,149.9340,E380  
9381,65125.1760,35290.0970,150.5610,E381  
9382,65113.9310,35273.5890,151.0650,E382  
9383,65102.6560,35257.0360,151.5850,E383  
9384,65091.3840,35240.4900,152.3240,E384  
9385,65080.1200,35223.9520,153.1030,E385  
9386,65068.8730,35207.4420,153.5630,E386  
8616,65083.8740,35225.4650,152.9230,FO  
8617,65115.2770,35272.7260,151.0880,FO  
8618,65111.2240,35271.1070,151.1190,POC  
8619,65136.5600,35307.5840,149.8000,POC  
8620,65112.5300,35275.5490,151.1010,CE  
7142,65062.2730,35197.7530,154.0920,PI42  
7143,65043.5860,35165.9070,155.6300,PI43  
9387,65058.1380,35190.7070,154.3940,E387  
9388,65048.0330,35173.4860,155.2950,E388  
8621,65060.1580,35197.4480,154.1590,POC  
8622,65083.1800,35230.7800,152.8950,POC  
8623,65076.9980,35214.6890,153.2690,FO  
8624,65109.9830,35271.4070,151.1330,CA  
8625,65105.7520,35274.1150,151.1320,CA  
8626,65071.7440,35222.5030,153.2870,CA  
7143,65043.5860,35165.9070,155.6300,PI43  
7144,65008.6050,35141.5090,156.1190,PI44  
9389,65034.3350,35159.4550,155.7180,E389  
9390,65017.9220,35148.0070,155.9300,E390  
8627,65059.1380,35152.4160,155.6010,BP  
8628,65048.5140,35162.7170,155.4970,BP  
8629,65044.1410,35172.1610,155.6510,CA  
8630,65035.7970,35163.8350,155.7510,CA  
8631,65041.5820,35174.4380,155.6500,CA  
8632,65045.2060,35166.0680,155.5220,FO  
8633,65034.0360,35155.9120,155.6480,FO  
8634,65007.5570,35139.3630,156.3530,FO  
8635,65007.7020,35143.0330,156.0920,POC  
8636,65035.2070,35161.9460,155.6600,POC  
8637,65032.2520,35160.2110,155.8820,CA  
8638,65028.5730,35156.5270,155.9330,CA

### **2.3- NIVELAMENTO GEOMÉTRICO (CADERNETA DE CAMPO)**

Junior  
 Engenharia

ENGENHARIA - S P E L

Nivelamento Geométrico     
  Contra-Nivelamento Geométrico

OBRA ADUTORIA VILA DO FELIX Cliente ESC

SERVIÇO NIVELAMENTO DO EIXO Trecho, \_\_\_\_\_

| Estaca          | Interm. | Ré   | Vante | Plano | Correção | Cota | Observação |
|-----------------|---------|------|-------|-------|----------|------|------------|
| 1866<br>- PISO  |         | 1582 |       |       |          |      |            |
| E-0=PT-0        |         |      | 2357  |       |          |      |            |
| E-0=PT-0        |         | 0721 |       |       |          |      | GASTO1     |
| E-1             |         |      | 2362  |       |          |      |            |
| E-2             |         |      | 3609  |       |          |      |            |
| E-2             |         | 0301 |       |       |          |      |            |
| E-3             |         |      | 1210  |       |          |      |            |
| E-4             |         |      | 1875  |       |          |      |            |
| E-5             |         |      | 2015  |       |          |      |            |
| E-6             |         |      | 2066  |       |          |      |            |
| E-7             |         |      | 1435  |       |          |      |            |
| E-8             |         |      | 0627  |       |          |      |            |
| E-8             |         | 3824 |       |       |          |      |            |
| E-9             |         |      | 3131  |       |          |      |            |
| E-10            |         |      | 2094  |       |          |      |            |
| E-10+3.59=PT-1  |         |      | 1936  |       |          |      |            |
| E-11            |         |      | 1204  |       |          |      |            |
| E-11            |         | 3530 |       |       |          |      |            |
| E-12            |         |      | 2295  |       |          |      |            |
| E-13            |         |      | 1179  |       |          |      |            |
| E-13            |         | 3842 |       |       |          |      |            |
| E-14            |         |      | 2723  |       |          |      |            |
| E-15            |         |      | 1788  |       |          |      |            |
| E-15+19.62=PT-2 |         |      | 0822  |       |          |      |            |
| E-16            |         |      | 0852  |       |          |      |            |
| E-16            |         | 3901 |       |       |          |      |            |
| E-17            |         |      | 3161  |       |          |      |            |

Operador NILSON Lima Data: 24/09/98

Folha: 01/

ENGENHARIA - S P E L.

Nivelamento Geométrico

Contra-Nivelamento Geométrico

OBRA \_\_\_\_\_ Cliente ESC.

SERVIÇO \_\_\_\_\_ Trecho \_\_\_\_\_

| Estaca            | Interm. | Ré   | Vante | Plano | Correção | Cota | Observação |
|-------------------|---------|------|-------|-------|----------|------|------------|
| E-18              |         |      | 2271  |       |          |      |            |
| E-19              |         |      | 1596  |       |          |      |            |
| E-20              |         |      | 0930  |       |          |      |            |
| E-20              |         | 3839 |       |       |          |      |            |
| E-21              |         |      | 3038  |       |          |      |            |
| E-22              |         |      | 2570  |       |          |      |            |
| E-23              |         |      | 1906  |       |          |      |            |
| E-24              |         |      | 1392  |       |          |      |            |
| E-24+0,75 = PI3   |         |      | 1367  |       |          |      |            |
| E-25              |         |      | 0799  |       |          |      |            |
| E-26              |         |      | 0250  |       |          |      |            |
| E-26              |         | 2478 |       |       |          |      |            |
| E-27              |         |      | 2080  |       |          |      |            |
| E-28              |         |      | 1746  |       |          |      |            |
| E-29              |         |      | 1658  |       |          |      |            |
| E-30              |         |      | 1514  |       |          |      |            |
| E-31              |         |      | 1248  |       |          |      |            |
| E-31+11,36 = PI4  |         |      | 1247  |       |          |      |            |
| E-32              |         |      | 1153  |       |          |      |            |
| E-33              |         |      | 1243  |       |          |      |            |
| E-34              |         |      | 1220  |       |          |      |            |
| E-35              |         |      | 1110  |       |          |      |            |
| E-35              |         | 1146 |       |       |          |      |            |
| E-36              |         |      | 1340  |       |          |      |            |
| E-37              |         |      | 1403  |       |          |      |            |
| E-38              |         |      | 1393  |       |          |      |            |
| E-39              |         |      | 1489  |       |          |      |            |
| E-40              |         |      | 1516  |       |          |      |            |
| E-41              |         |      | 1660  |       |          |      |            |
| E-41+12,19 = PI-5 |         |      | 1681  |       |          |      |            |

Operador NILSON LIMA Data 24/09/98

Folha: 02

ENGEMAPA - S P E L

Nivelamento Geométrico       Contra-Nivelamento Geométrico

OBRA \_\_\_\_\_ Cliente ESC.

SERVIÇO \_\_\_\_\_ Trecho \_\_\_\_\_

| Estação | Interm.   | Ré              | Vante | Plano | Correção | Cota | Observação |
|---------|-----------|-----------------|-------|-------|----------|------|------------|
| E-42    |           |                 | 1658  |       |          |      |            |
| E-42    |           | 0986            |       |       |          |      |            |
| E-43    |           |                 | 1142  |       |          |      |            |
| E-44    |           |                 | 1450  |       |          |      |            |
| E-45    |           |                 | 1438  |       |          |      |            |
| E-45    | 16,20=196 |                 | 1889  |       |          |      |            |
| E-46    |           |                 | 1719  |       |          |      |            |
| E-47    |           |                 | 2450  |       |          |      |            |
| E-48    |           |                 | 2804  |       |          |      |            |
| E-49    |           |                 | 3435  |       |          |      |            |
| E-49    |           | 0424            |       |       |          |      |            |
| E-50    |           |                 | 1081  |       |          |      |            |
| E-51    |           |                 | 1706  |       |          |      |            |
| E-52    |           |                 | 2766  |       |          |      |            |
| E-53    |           |                 | 2258  |       |          |      |            |
| E-54    |           |                 | 1612  |       |          |      |            |
| E-55    |           |                 | 1095  |       |          |      |            |
| E-56    |           |                 | 0846  |       |          |      |            |
| E-56    | 2660      | <del>1111</del> |       |       |          |      |            |
| E-57    |           |                 | 3358  |       |          |      |            |
| E-58    |           |                 | 3059  |       |          |      |            |
| E-59    |           |                 | 1378  |       |          |      |            |
| E-60    |           |                 | 0180  |       |          |      |            |
| E-60    |           | 3570            |       |       |          |      |            |
| E-61    |           |                 | 2364  |       |          |      |            |
| E-62    |           |                 | 0972  |       |          |      |            |
| E-62    |           | 3966            |       |       |          |      |            |
| E-63    |           |                 | 3270  |       |          |      |            |

Operator NILSON LIMA Data 24/09/98

Folha 03/

ENGEMAPA - S P E L

Nivelamento Geométrico  Contra-Nivelamento Geométrico

OBRA ADutora VILA DO FELIX Cliente \_\_\_\_\_

SERVIÇO \_\_\_\_\_ Trecho \_\_\_\_\_

| Estaca            | Interm. | Ré   | Vante | Plano | Correção | Cota | Observação |
|-------------------|---------|------|-------|-------|----------|------|------------|
| E-64              |         |      | 2331  |       |          |      |            |
| E-64+10,08 = PT-7 |         |      | 2086  |       |          |      |            |
| E-65              |         |      | 1735  |       |          |      |            |
| E-66              |         |      | 1062  |       |          |      |            |
| E-67              |         |      | 0293  |       |          |      |            |
| E-67              |         | 3954 |       |       |          |      |            |
| E-68              |         |      | 3462  |       |          |      |            |
| E-69              |         |      | 2841  |       |          |      |            |
| E-70              |         |      | 2320  |       |          |      |            |
| E-71              |         |      | 1862  |       |          |      |            |
| E-72              |         |      | 1140  |       |          |      |            |
| E-73              |         |      | 0721  |       |          |      |            |
| E-74              |         |      | 0298  |       |          |      |            |
| E-74+1,30 = PT-8  |         |      | 0209  |       |          |      |            |
| E-74+1,30 = PT-8  |         | 3060 |       |       |          |      |            |
| E-75              |         |      | 2696  |       |          |      |            |
| E-76              |         |      | 2233  |       |          |      |            |
| E-77              |         |      | 1844  |       |          |      |            |
| E-78              |         |      | 1503  |       |          |      |            |
| E-79              |         |      | 1242  |       |          |      |            |
| E-80              |         |      | 0782  |       |          |      |            |
| E-81              |         |      | 0411  |       |          |      |            |
| E-82              |         |      | 0038  |       |          |      |            |
| E-82              |         | 3290 |       |       |          |      |            |
| E-83              |         |      | 2950  |       |          |      |            |
| E-84              |         |      | 2442  |       |          |      |            |
| E-85              |         |      | 2113  |       |          |      |            |
| E-86              |         |      | 1652  |       |          |      |            |
| E-87              |         |      | 1340  |       |          |      |            |
| E-88              |         |      | 0914  |       |          |      |            |

Operador NILSON LIMA Data 24/09/98

Folha 04/

ENGENHARIA - S P E L

Nivelamento Geométrico

Contra-Nivelamento Geométrico

OBRA. ADUTORIA Cliente \_\_\_\_\_

SERVIÇO \_\_\_\_\_ Trecho: \_\_\_\_\_

| Estaca             | Interm. | Ré   | Vante | Plano | Correção | Cota | Observação |
|--------------------|---------|------|-------|-------|----------|------|------------|
| E-89               |         |      | 0402  |       |          |      |            |
| E-89               |         | 3538 |       |       |          |      |            |
| E-90               |         |      | 3109  |       |          |      |            |
| E-91               |         |      | 2630  |       |          |      |            |
| E-92               |         |      | 2283  |       |          |      |            |
| E-93               |         |      | 1782  |       |          |      |            |
| E-94               |         |      | 1242  |       |          |      |            |
| E-95               |         |      | 0956  |       |          |      |            |
| E-96               |         |      | 0669  |       |          |      |            |
| E-96+348 = PT-9    |         |      | 0648  |       |          |      |            |
| E-97               |         |      | 0605  |       |          |      |            |
| E-98               |         |      | 0885  |       |          |      |            |
| E-98               |         | 0599 |       |       |          |      |            |
| E-99               |         |      | 1161  |       |          |      |            |
| E-100              |         |      | 1696  |       |          |      |            |
| E-101              |         |      | 2278  |       |          |      |            |
| E-102              |         |      | 2871  |       |          |      |            |
| E-103              |         |      | 3509  |       |          |      |            |
| E-103+1309 = PT-10 |         |      | 3999  |       |          |      |            |
| E-103+1309 = PT-10 |         | 1326 |       |       |          |      |            |
| E-104              |         |      | 1545  |       |          |      |            |
| E-104+1168 = PT-11 |         |      | 2067  |       |          |      |            |
| E-105              |         |      | 1767  |       |          |      |            |
| E-106              |         |      | 1466  |       |          |      |            |
| E-107              |         |      | 1195  |       |          |      |            |
| E-108              |         |      | 1019  |       |          |      |            |
| E-109              |         |      | 1042  |       |          |      |            |
| E-110              |         |      | 1138  |       |          |      |            |
| E-111              |         |      | 0983  |       |          |      |            |
| E-112              |         |      | 0914  |       |          |      |            |

Operador NILSON LIMA Data 24/09/98

Folha: 25

ENGEVAPA - S P E L

Nivelamento Geométrico       Contra-Nivelamento Geométrico

OBRA ADutora Vila do Felix Cliente \_\_\_\_\_

SERVIÇO \_\_\_\_\_ Trecho: \_\_\_\_\_

| Estaca            | Interm. | Ré   | Vante | Plano | Correção | Cota | Observação |
|-------------------|---------|------|-------|-------|----------|------|------------|
| E-112             |         | 2930 |       |       |          |      |            |
| E-113             |         |      | 2648  |       |          |      |            |
| E-114             |         |      | 2440  |       |          |      |            |
| E-115             |         |      | 1760  |       |          |      |            |
| E-115+10,00=PI-12 |         |      | 1875  |       |          |      |            |
| E-116             |         |      | 1678  |       |          |      |            |
| E-117             |         |      | 1275  |       |          |      |            |
| E-118             |         |      | 1089  |       |          |      |            |
| E-119             |         |      | 0412  |       |          |      |            |
| E-119             |         | 3361 |       |       |          |      |            |
| E-120             |         |      | 2866  |       |          |      |            |
| E-121             |         |      | 1994  |       |          |      |            |
| E-122             |         |      | 1184  |       |          |      |            |
| E-122+10,41=PI-13 |         |      | 0729  |       |          |      |            |
| E-123             |         |      | 0200  |       |          |      |            |
| E-123             |         | 3027 |       |       |          |      |            |
| E-124             |         |      | 2463  |       |          |      |            |
| E-125             |         |      | 1880  |       |          |      |            |
| E-125+8,03=PI-14  |         |      | 1520  |       |          |      |            |
| E-126             |         |      | 0944  |       |          |      |            |
| E-127             |         |      | 0637  |       |          |      |            |
| E-127             |         | 3569 |       |       |          |      |            |
| E-128             |         |      | 2958  |       |          |      |            |
| E-129             |         |      | 2410  |       |          |      |            |
| E-130             |         |      | 1331  |       |          |      |            |
| E-130+18,47=PI-15 |         |      | 0902  |       |          |      |            |
| E-131             |         |      | 0837  |       |          |      |            |
| E-132             |         |      | 0233  |       |          |      |            |
| E-133             |         |      | 0218  |       |          |      |            |

Operador NILSON Lima Data: 24/09/98

Folha: 06/

Nivelamento Geometrico       Contra-Nivelamento Geometrico

OBRA ADutora VILA DO FELIX      Cliente \_\_\_\_\_

SERVIÇO \_\_\_\_\_      Trecho \_\_\_\_\_

| Estaca            | Interm.   | Re   | Vante | Plano | Correção | Cota | Observação |
|-------------------|-----------|------|-------|-------|----------|------|------------|
| E-133             |           | 2580 |       |       |          |      |            |
| E-134             | H,16=PE16 |      | 2234  |       |          |      |            |
| E-134             |           |      | 3178  |       |          |      |            |
| E-135             |           |      | 1574  |       |          |      |            |
| E-136             |           |      | 1238  |       |          |      |            |
| E-137             |           |      | 1504  |       |          |      |            |
| E-138             |           |      | 1556  |       |          |      |            |
| E-139             |           |      | 1702  |       |          |      |            |
| E-139+7M=PE-17    |           |      | 1741  |       |          |      |            |
| E-139+77M=PT-17   |           | 0909 |       |       |          |      |            |
| E-140             |           |      | 1416  |       |          |      |            |
| E-141             |           |      | 1263  |       |          |      |            |
| E-141+13,96=PT-18 |           |      | 1285  |       |          |      |            |
| E-142             |           |      | 1386  |       |          |      |            |
| E-143             |           |      | 1686  |       |          |      |            |
| E-144             |           |      | 1968  |       |          |      |            |
| E-144+10,29=PT-19 |           |      | 2086  |       |          |      |            |
| E-145             |           |      | 3284  |       |          |      |            |
| E-146             |           |      | 3670  |       |          |      |            |
| E-147             |           |      | 3368  |       |          |      |            |
| E-148             |           |      | 3436  |       |          |      |            |
| E-148             |           | 1481 |       |       |          |      |            |
| E-148+10,62=PT-20 |           |      | 1744  |       |          |      |            |
| E-149             |           |      | 1238  |       |          |      |            |
| E-150             |           |      | 0814  |       |          |      |            |
| E-151             |           |      | 1430  |       |          |      |            |
| E-152             |           |      | 1840  |       |          |      |            |
| E-153             |           |      | 1901  |       |          |      |            |
| E-154             |           |      | 2162  |       |          |      |            |
| E-155             |           |      | 2332  |       |          |      |            |
| E-156             |           |      | 2257  |       |          |      |            |

Operator NILSON LIMA      Data 24/09/98

Folha 07

ENGEVAPA - S P E L

Nivelamento Geométrico       Contra-Nivelamento Geométrico

OBRA. ADUTORA VILA DO FELIX Cliente \_\_\_\_\_

SERVIÇO \_\_\_\_\_ Trecho \_\_\_\_\_

| Estaca            | Interm. | Ré   | Vante | Plano | Correção | Cota | Observação |
|-------------------|---------|------|-------|-------|----------|------|------------|
| E-156             |         | 1969 |       |       |          |      |            |
| E-156+7.66=PI 21  |         |      | 1915  |       |          |      |            |
| E-157             |         |      | 1798  |       |          |      |            |
| E-158             |         |      | 1581  |       |          |      |            |
| E-158+12.76=PI 22 |         |      | 1450  |       |          |      |            |
| E-159             |         |      | 1364  |       |          |      |            |
| E-160             |         |      | 1261  |       |          |      |            |
| E-161             |         |      | 1295  |       |          |      |            |
| E-162             |         |      | 1107  |       |          |      |            |
| <del>E-162</del>  |         |      |       |       |          |      |            |
| E-162             |         | 2149 |       |       |          |      |            |
| E-163             |         |      | 1647  |       |          |      |            |
| E-163+7.80=PI 23  |         |      | 1525  |       |          |      |            |
| E-164             |         |      | 1415  |       |          |      |            |
| E-164+19.22=PI 24 |         |      | 1480  |       |          |      |            |
| E-165             |         |      | 1455  |       |          |      |            |
| E-166             |         |      | 1568  |       |          |      |            |
| E-167             |         |      | 1360  |       |          |      |            |
| E-167+11.67=PI 25 |         |      | 1941  |       |          |      |            |
| E-168             |         |      | 2126  |       |          |      |            |
| E-168             |         | 0161 |       |       |          |      |            |
| E-169             |         |      | 0288  |       |          |      |            |
| E-170             |         |      | 0500  |       |          |      |            |
| E-171             |         |      | 0737  |       |          |      |            |
| E-172             |         |      | 1020  |       |          |      |            |
| E-173             |         |      | 1367  |       |          |      |            |
| E-174             |         |      | 1893  |       |          |      |            |
| E-174+19.76=PI 26 |         |      | 1627  |       |          |      |            |
| E-175             |         |      | 1678  |       |          |      |            |
| E-176             |         |      | 1923  |       |          |      |            |
| E-177             |         |      | 2145  |       |          |      |            |
| E-178             |         |      | 2445  |       |          |      | GAST 01    |

Operador Wilson Lima Data 24/09/98

Folha: 08

ENGEMAPA - S.P.E.L

Nivelamento Geométrico       Contra-Nivelamento Geométrico

OBRA ARUTORA VILA DO FELIX Cliente \_\_\_\_\_

SERVIÇO \_\_\_\_\_ Trecho \_\_\_\_\_

| Estaca           | Intern. | Ré   | Vante | Piano | Correção | Cota | Observação |
|------------------|---------|------|-------|-------|----------|------|------------|
| E-178            |         | 0382 |       |       |          |      |            |
| E-178+11,91=PI-0 |         |      | 0718  |       |          |      | GASTO 1    |
| E-1              |         |      | 0980  |       |          |      | PAULO      |
| E-2              |         |      | 1236  |       |          |      | PAULO      |
| E-2+19,38=PI-1   |         |      | 1453  |       |          |      | ↓          |
| E-3              |         |      | 1427  |       |          |      |            |
| E-4              |         |      | 1696  |       |          |      |            |
| E-5              |         |      | 2076  |       |          |      |            |
| E-5              |         | 0538 |       |       |          |      |            |
| E-5+11,24=PI-2   |         |      | 1272  |       |          |      |            |
| E-6              |         |      | 1280  |       |          |      |            |
| E-7              |         |      | 1306  |       |          |      |            |
| E-8              |         |      | 1664  |       |          |      |            |
| E-9              |         |      | 2182  |       |          |      |            |
| E-9+7,93=PI-3    |         |      | 2451  |       |          |      |            |
| E-10             |         |      | 3040  |       |          |      |            |
| E-11             |         |      | 3562  |       |          |      |            |
| E-12             |         |      | 3545  |       |          |      |            |
| E-12             |         | 0463 |       |       |          |      |            |
| E-12+12,02=PI-4  |         |      | 1442  |       |          |      |            |
| E-13             |         |      | 1340  |       |          |      |            |
| E-14             |         |      | 0846  |       |          |      |            |
| E-15             |         |      | 1320  |       |          |      |            |
| E-16             |         |      | 1792  |       |          |      |            |
| E-17             |         |      | 2313  |       |          |      |            |
| E-18             |         |      | 2459  |       |          |      |            |
| E-19             |         |      | 3189  |       |          |      |            |
| E-19             |         | 0238 |       |       |          |      |            |
| E-20             |         |      | 1263  |       |          |      |            |

Operador NILSON LIMA Data: 24/09/98

Folha 09/

ENGEVAPA - S P E L

Nivelamento Geométrico       Contra-Nivelamento Geométrico

OBRA ADutora VILA DO FELIX Cliente ESC.

SERVIÇO \_\_\_\_\_ Trecho \_\_\_\_\_

| Estaca         | Interm | Ré   | Vante | Plano | Correção | Cota | Observação |
|----------------|--------|------|-------|-------|----------|------|------------|
| E-21           |        |      | 1970  |       |          |      |            |
| E-22           |        |      | 1758  |       |          |      |            |
| E-23           |        |      | 1356  |       |          |      |            |
| E-24           |        |      | 1430  |       |          |      |            |
| E-25           |        |      | 1326  |       |          |      |            |
| E-26           |        |      | 1249  |       |          |      |            |
| E-27           |        |      | 1326  |       |          |      |            |
| E-27           |        | 2960 |       |       |          |      |            |
| E-28           |        |      | 2821  |       |          |      |            |
| E-28+16m = P15 |        |      | 2498  |       |          |      |            |
| E-29           |        |      | 2124  |       |          |      |            |
| E-30           |        |      | 1333  |       |          |      |            |
| E-31           |        |      | 1468  |       |          |      |            |
| E-32           |        |      | 0612  |       |          |      |            |
| E-33           |        |      | 0362  |       |          |      |            |
| E-33           |        | 2868 |       |       |          |      |            |
| E-34           |        |      | 2444  |       |          |      |            |
| E-35           |        |      | 2067  |       |          |      |            |
| E-36           |        |      | 1702  |       |          |      |            |
| E-37           |        |      | 1352  |       |          |      |            |
| E-38           |        |      | 0904  |       |          |      |            |
| E-39           |        |      | 0441  |       |          |      |            |
| E-39+12m = P16 |        |      | 0132  |       |          |      |            |
| E-39+12m = P16 |        | 3600 |       |       |          |      |            |
| E-40           |        |      | 3296  |       |          |      |            |
| E-41           |        |      | 2483  |       |          |      |            |
| E-42           |        |      | 1714  |       |          |      |            |
| E-43           |        |      | 1052  |       |          |      |            |
| E-44           |        |      | 0441  |       |          |      |            |

Operador Nilson Lima Data 24/09/98

Folha 10/

ENGENHARIA - S P E L

Nivelamento Geométrico

Contra-Nivelamento Geométrico

OBRA \_\_\_\_\_ Cliente: \_\_\_\_\_

SERVIÇO \_\_\_\_\_ Trecho: \_\_\_\_\_

| Estaca          | Interm. | Ré   | Vante | Plano | Correção | Cota | Observação |
|-----------------|---------|------|-------|-------|----------|------|------------|
| E-44            |         |      | 2882  |       |          |      |            |
| E-45            |         |      | 2118  |       |          |      |            |
| E-46            |         |      | 1660  |       |          |      |            |
| E-47            |         |      | 0956  |       |          |      |            |
| E-48            |         |      | 0323  |       |          |      |            |
| E-48            |         | 2260 |       |       |          |      |            |
| E-49            |         |      | 1664  |       |          |      |            |
| E-50            |         |      | 1093  |       |          |      |            |
| E-51            |         |      | 0455  |       |          |      |            |
| <del>E-51</del> |         |      |       |       |          |      |            |
| E-51            |         | 2614 |       |       |          |      |            |
| E-52            |         |      | 1990  |       |          |      |            |
| E-53            |         |      | 1349  |       |          |      |            |
| E-53            |         |      | 1303  |       |          |      |            |
| E-54            |         |      | 0921  |       |          |      |            |
| E-55            |         |      | 0440  |       |          |      |            |
| E-56            |         |      | 0075  |       |          |      |            |
| E-56            |         | 2985 |       |       |          |      |            |
| E-57            |         |      | 2518  |       |          |      |            |
| E-58            |         |      | 2359  |       |          |      |            |
| E-59            |         |      | 1892  |       |          |      |            |
| E-60            |         |      | 1235  |       |          |      |            |
| E-61            |         |      | 1013  |       |          |      |            |
| E-61            |         |      | 0895  |       |          |      |            |
| E-62            |         |      | 0861  |       |          |      |            |
| E-63            |         |      | 0912  |       |          |      |            |
| E-64            |         |      | 1189  |       |          |      |            |
| E-65            |         |      | 1368  |       |          |      |            |
| E-66            |         |      | 1515  |       |          |      |            |
| E-66            |         | 0355 |       |       |          |      |            |

Operador NILSON LIMA Data 24/09/98

Folha: 11/

ENGENHARIA - S P E L

Nivelamento Geométrico       Contra-Nivelamento Geométrico

OBRA ADUTOBA VILA DO FELIX Chente. ESC.

SERVIÇO \_\_\_\_\_ Trecho \_\_\_\_\_

| Estaca           | Inter m | Ré   | Vante | Plano | Correção | Cota | Observação |
|------------------|---------|------|-------|-------|----------|------|------------|
| E-67             |         |      | 0613  |       |          |      |            |
| E-68             |         |      | 0902  |       |          |      |            |
| E-69             |         |      | 1160  |       |          |      |            |
| E-70             |         |      | 1571  |       |          |      |            |
| E-71             |         |      | 1930  |       |          |      |            |
| E-72             |         |      | 2428  |       |          |      |            |
| E-73             |         |      | 2985  |       |          |      |            |
| E-73+5,770=PI9   |         |      | 3110  |       |          |      |            |
| E-74             |         |      | 3542  |       |          |      |            |
| E-74             |         | 0305 |       |       |          |      |            |
| E-75             |         |      | 0774  |       |          |      |            |
| E-76             |         |      | 1247  |       |          |      |            |
| E-77             |         |      | 1838  |       |          |      |            |
| E-78             |         |      | 2242  |       |          |      |            |
| E-79             |         |      | 2678  |       |          |      |            |
| E-80             |         |      | 3001  |       |          |      |            |
| E-81             |         |      | 3425  |       |          |      |            |
| E-82             |         |      | 3743  |       |          |      |            |
| E-82             |         | 1549 |       |       |          |      |            |
| E-83             |         |      | 1189  |       |          |      |            |
| E-84             |         |      | 0977  |       |          |      |            |
| E-84+11,163=PI10 |         |      | 1151  |       |          |      |            |
| E-85             |         |      | 1178  |       |          |      |            |
| E-86             |         |      | 1230  |       |          |      |            |
| E-87             |         |      | 1258  |       |          |      |            |
| E-88             |         |      | 1311  |       |          |      |            |
| E-89             |         |      | 1139  |       |          |      |            |
| E-90             |         |      | 1058  |       |          |      |            |
| E-91             |         |      | 0801  |       |          |      |            |
| E-92             |         |      | 0726  |       |          |      |            |
| E-93             |         |      | 0434  |       |          |      |            |

Operador Nilson Lima Data 24/09/98

Folha 12/

Nivelamento Geométrico       Contra-Nivelamento Geométrico

OBRA ADutora VILA DO FELIX Cliente \_\_\_\_\_

SERVIÇO \_\_\_\_\_ Trecho \_\_\_\_\_

| Estaca           | Interm | Ré   | Vante | Plano | Correção | Cota | Observação |
|------------------|--------|------|-------|-------|----------|------|------------|
| E-93             |        | 2663 |       |       |          |      |            |
| E-93+7,499=PT11  |        |      | 2611  |       |          |      |            |
| E-94             |        |      | 2437  |       |          |      |            |
| E-95             |        |      | 1569  |       |          |      |            |
| E-96             |        |      | 1385  |       |          |      |            |
| E-97             |        |      | 0885  |       |          |      |            |
| E-98             |        |      | 0609  |       |          |      |            |
| E-98+11,125=PT12 |        |      | 0489  |       |          |      |            |
| E-99             |        |      | 0301  |       |          |      |            |
| E-100            |        |      | 0292  |       |          |      |            |
| E-101            |        |      | 0540  |       |          |      |            |
| E-102            |        |      | 0749  |       |          |      |            |
| E-102            |        | 1558 |       |       |          |      |            |
| E-103            |        |      | 1739  |       |          |      |            |
| E-104            |        |      | 1743  |       |          |      |            |
| E-105            |        |      | 1573  |       |          |      |            |
| E-106            |        |      | 1391  |       |          |      |            |
| E-107            |        |      | 1602  |       |          |      |            |
| E-108            |        |      | 1346  |       |          |      |            |
| E-109            |        |      | 0952  |       |          |      |            |
| E-110            |        |      | 0899  |       |          |      |            |
| E-111            |        |      | 0656  |       |          |      |            |
| E-112            |        |      | 0241  |       |          |      |            |
| E-112            |        | 3780 |       |       |          |      |            |
| E-113            |        |      | 3117  |       |          |      |            |
| E-114            |        |      | 2430  |       |          |      |            |
| E-115            |        |      | 1840  |       |          |      |            |
| E-116            |        |      | 1378  |       |          |      |            |
| E-117            |        |      | 0864  |       |          |      |            |
| E-118            |        |      | 0550  |       |          |      |            |
| E-119            |        |      | 0194  |       |          |      |            |

Operador Wilson Lima Data 24/09/98

Folha 13/

Nivelamento Geométrico

Contra-Nivelamento Geométrico

OBRA ADUTORIA VILA DO FELIX Cliente ESC.

SERVIÇO \_\_\_\_\_ Trecho \_\_\_\_\_

| Estaca               | Interm. | Ré   | Vante | Plano | Correção | Cota | Observação |
|----------------------|---------|------|-------|-------|----------|------|------------|
| E-119                |         | 3119 |       |       |          |      |            |
| E-120                |         |      | 2759  |       |          |      |            |
| E-120/119, 151=PI13. |         |      | 2198  |       |          |      |            |
| E-121                |         |      | 2174  |       |          |      |            |
| E-122                |         |      | 1639  |       |          |      |            |
| E-123                |         |      | 1298  |       |          |      |            |
| E-124                |         |      | 0986  |       |          |      |            |
| E-125                |         |      | 0185  |       |          |      |            |
| E-126                |         |      | 0042  |       |          |      |            |
| E-126                |         | 3027 |       |       |          |      |            |
| E-127                |         |      | 2709  |       |          |      |            |
| E-128                |         |      | 2359  |       |          |      |            |
| E-129                |         |      | 1812  |       |          |      |            |
| E-130                |         |      | 1529  |       |          |      |            |
| E-131                |         |      | 1087  |       |          |      |            |
| E-132                |         |      | 0932  |       |          |      |            |
| E-133                |         |      | 0489  |       |          |      |            |
| <del>E-134</del>     |         |      |       |       |          |      |            |
| E-134                |         | 3113 |       |       |          |      |            |
| E-134                |         |      | 2608  |       |          |      |            |
| E-135                |         |      | 1960  |       |          |      |            |
| E-136                |         |      | 1326  |       |          |      |            |
| E-137                |         |      | 1151  |       |          |      |            |
| E-138                |         |      | 0839  |       |          |      |            |
| E-139                |         |      | 0473  |       |          |      |            |
| E-140                |         |      | 0324  |       |          |      |            |
| E-140                |         | 2049 |       |       |          |      |            |
| E-141                |         |      | 1627  |       |          |      |            |
| E-141/140, 143=PI14. |         |      | 1821  |       |          |      |            |
| E-142                |         |      | 1784  |       |          |      |            |
| E-143                |         |      | 1427  |       |          |      |            |

Operador NILSON LIMA Data 24.09.98

Folha 14

ENGEMAPA - S P E L

Nivelamento Geométrico       Contra-Nivelamento Geométrico

OBRA ADutora VILA DO FELIX      Cliente \_\_\_\_\_

SERVIÇO \_\_\_\_\_      Trecho \_\_\_\_\_

| Estaca                | Interm. | Ré              | Vante | Piano | Correção | Cota | Observação |
|-----------------------|---------|-----------------|-------|-------|----------|------|------------|
| E-144                 |         |                 | 1423  |       |          |      |            |
| E-145                 |         |                 | 1282  |       |          |      |            |
| E-146                 |         |                 | 1126  |       |          |      |            |
| E-147                 |         |                 | 0950  |       |          |      |            |
| E-148                 |         |                 | 0801  |       |          |      |            |
| E-149                 |         |                 | 0933  |       |          |      |            |
| E-150 = PT 15         |         |                 | 0731  |       |          |      |            |
| E-151                 |         |                 | 1017  |       |          |      |            |
| E-151                 |         | 0983            |       |       |          |      |            |
| E-152                 |         | <del>0891</del> | 0891  |       |          |      |            |
| E-153                 |         | <del>0892</del> | 0892  |       |          |      |            |
| E-154                 |         |                 | 1064  |       |          |      |            |
| E-155                 |         |                 | 1392  |       |          |      |            |
| E-155 + 18,00 = PT 16 |         |                 | 1662  |       |          |      |            |
| E-156                 |         |                 | 1668  |       |          |      |            |
| E-157                 |         |                 | 1981  |       |          |      |            |
| E-158                 |         |                 | 2501  |       |          |      |            |
| E-159                 |         |                 | 2787  |       |          |      |            |
| E-160                 |         |                 | 3236  |       |          |      |            |
| E-160                 |         | 0293            |       |       |          |      |            |
| E-161                 |         |                 | 0491  |       |          |      |            |
| E-162                 |         |                 | 1091  |       |          |      |            |
| E-163                 |         |                 | 1536  |       |          |      |            |
| E-164                 |         |                 | 1465  |       |          |      |            |
| E-165                 |         |                 | 1610  |       |          |      |            |
| E-166                 |         |                 | 1908  |       |          |      |            |
| E-167                 |         |                 | 3634  |       |          |      |            |
| E-167                 |         | 1900            |       |       |          |      |            |
| E-168                 |         |                 | 1883  |       |          |      |            |
| E-169                 |         |                 | 3078  |       |          |      |            |

Operador NILSON LIMA      Data 25/09/98

Folha 15

Nivelamento Geométrico

Contra-Nivelamento Geométrico

OBRA \_\_\_\_\_ Cliente \_\_\_\_\_

SERVIÇO \_\_\_\_\_ Trecho \_\_\_\_\_

| Estaca | Interm        | Re   | Vante                | Plano | Correção | Cota | Observação |
|--------|---------------|------|----------------------|-------|----------|------|------------|
| E-169  | 16,50 = PT 17 |      | 2318                 |       |          |      |            |
| E-170  |               |      | 2099                 |       |          |      |            |
| E-171  |               |      | 1066                 |       |          |      |            |
| E-172  |               |      | 0981                 |       |          |      |            |
| E-173  |               |      | 0066                 |       |          |      |            |
| E-173  |               | 2395 |                      |       |          |      |            |
| E-174  |               |      | 1461                 |       |          |      |            |
| E-175  |               |      | 1030                 |       |          |      |            |
| E-176  |               |      | 1104                 |       |          |      |            |
| E-176  | 15,50 = PT 18 |      | 1466                 |       |          |      |            |
| E-177  |               |      | 2321                 |       |          |      |            |
| E-178  |               |      | 1963                 |       |          |      |            |
| E-179  |               |      | 1519                 |       |          |      |            |
| E-180  |               |      | 0201                 |       |          |      |            |
| E-180  |               | 3924 |                      |       |          |      |            |
| E-181  |               |      | 3422                 |       |          |      |            |
| E-182  |               |      | 2790                 |       |          |      |            |
| E-183  |               |      | 2264                 |       |          |      |            |
| E-184  |               |      | 1431                 |       |          |      |            |
| E-185  |               |      | 1003                 |       |          |      |            |
| E-186  |               |      | 0506                 |       |          |      |            |
| E-187  |               |      | <del>0080</del> 0080 |       |          |      |            |
| E-187  |               | 3969 |                      |       |          |      |            |
| E-188  |               |      | 3110                 |       |          |      |            |
| E-189  |               |      | 2722                 |       |          |      |            |
| E-190  |               |      | 2115                 |       |          |      |            |
| E-191  |               |      | 1604                 |       |          |      |            |
| E-192  |               |      | 0633                 |       |          |      |            |
| E-192  |               | 3509 |                      |       |          |      |            |

Operador Nilson Lima Data 25/09/98

Folha 16

ENGENHARIA - S P E L

Nivelamento Geométrico       Contra-Nivelamento Geométrico

OBRA ADUTORIA VILA DO FELIX Cliente ESC.

SERVIÇO \_\_\_\_\_ Trecho \_\_\_\_\_

| Estaca           | Interm | Re   | Vante | Plano | Correção | Cota | Observação         |
|------------------|--------|------|-------|-------|----------|------|--------------------|
| E-193            |        |      | 2830  |       |          |      |                    |
| E-194            |        |      | 2532  |       |          |      |                    |
| E-195            |        |      | 1790  |       |          |      |                    |
| E-195+           | =PT19  |      | 1542  |       |          |      |                    |
| E-196            |        |      | 1496  |       |          |      |                    |
| E-197            |        |      | 0619  |       |          |      |                    |
| E-198            |        |      | 0396  |       |          |      |                    |
| E-198            |        | 3790 |       |       |          |      | NÃO FOI LOCALIZADO |
| E-199            |        |      | 2991  |       |          |      |                    |
| E-200            |        |      | 2459  |       |          |      |                    |
| E-201            |        |      | 1854  |       |          |      |                    |
| E-202            |        |      | 1474  |       |          |      |                    |
| E-203            |        |      | 1317  |       |          |      |                    |
| E-203+193=PT21   |        |      | 0878  |       |          |      |                    |
| E-204            |        |      | 0926  |       |          |      |                    |
| E-205            |        |      | 1124  |       |          |      |                    |
| E-206            |        |      | 1255  |       |          |      |                    |
| E-207            |        |      | 1238  |       |          |      |                    |
| E-207            |        | 1578 |       |       |          |      |                    |
| E-208            |        |      | 1872  |       |          |      |                    |
| E-209            |        |      | 2031  |       |          |      |                    |
| E-210            |        |      | 1837  |       |          |      |                    |
| E-211            |        |      | 1563  |       |          |      |                    |
| E-212            |        |      | 1470  |       |          |      |                    |
| E-212+1990=PT22  |        |      | 1462  |       |          |      |                    |
| E-212+1990=PT22  |        |      | 0254  |       |          |      |                    |
| E-213            |        |      | 0321  |       |          |      |                    |
| E-214            |        |      | 0427  |       |          |      |                    |
| E-215            |        |      | 0785  |       |          |      |                    |
| E-215+14315=PT23 |        |      | 1314  |       |          |      |                    |

Operador NILSON LIMA Data 25/09/98

Folha 17/

ENGENHARIA - S.P.I.I

Nivelamento Geométrico  Contra-Nivelamento Geométrico

OBRA ADUTORIA VILA DO FELIX Cliente \_\_\_\_\_

SERVIÇO \_\_\_\_\_ Trecho \_\_\_\_\_

| Estaca            | Interm | Re   | Valor | Piano | Correção | Cota | Observação |
|-------------------|--------|------|-------|-------|----------|------|------------|
| E-216             |        |      | 1494  |       |          |      |            |
| E-217             |        |      | 1717  |       |          |      |            |
| E-218             |        |      | 1770  |       |          |      |            |
| E-219             |        |      | 1739  |       |          |      |            |
| E-220             |        |      | 2232  |       |          |      |            |
| E-221             |        |      | 2683  |       |          |      |            |
| E-221             |        | 0090 |       |       |          |      |            |
| E-222             |        |      | 0174  |       |          |      |            |
| E-223             |        |      | 0512  |       |          |      |            |
| E-224             |        |      | 0932  |       |          |      |            |
| E-225             |        |      | 1403  |       |          |      |            |
| E-226             |        |      | 1671  |       |          |      |            |
| E-227             |        |      | 1617  |       |          |      |            |
| E-228             |        |      | 1554  |       |          |      |            |
| E-228+0,801=PI-21 |        |      | 1563  |       |          |      |            |
| <del>E-228</del>  |        |      |       |       |          |      |            |
| E-228+0,801=PI-21 |        | 2203 |       |       |          |      |            |
| E-229             |        |      | 1870  |       |          |      |            |
| E-230             |        |      | 1834  |       |          |      |            |
| E-231             |        |      | 1572  |       |          |      |            |
| E-232             |        |      | 1031  |       |          |      |            |
| E-233             |        |      | 0588  |       |          |      |            |
| E-234             |        |      | 0430  |       |          |      |            |
| E-234             |        | 3230 |       |       |          |      |            |
| E-235             |        |      | 2581  |       |          |      |            |
| E-236             |        |      | 2387  |       |          |      |            |
| E-237             |        |      | 1732  |       |          |      |            |
| E-238             |        |      | 1302  |       |          |      |            |
| E-239             |        |      | 0735  |       |          |      |            |
| E-240             |        |      | 0349  |       |          |      |            |
| E-240+0,217=PI-25 |        |      | 0446  |       |          |      |            |

Operador NILSON LIMA Data 25/09/98

Folha 181

Nivelamento Geométrico  Contra-Nivelamento Geométrico

OBRA Adutora Vila do Felix Cliente ESC.

SERVIÇO \_\_\_\_\_ Fecho \_\_\_\_\_

| Estaca            | Interm | Ry   | Vant. | Correção | Cota | Observação |
|-------------------|--------|------|-------|----------|------|------------|
| E-240+8,217=PI25  |        | 3461 |       |          |      |            |
| E-241             |        |      | 3131  |          |      |            |
| E-242             |        |      | 2858  |          |      |            |
| E-243             |        |      | 2407  |          |      |            |
| E-244             |        |      | 1724  |          |      |            |
| E-245             |        |      | 1179  |          |      |            |
| E-246             |        |      | 0437  |          |      |            |
| E-246             |        | 3694 |       |          |      |            |
| E-247             |        |      | 3055  |          |      |            |
| E-248             |        |      | 2394  |          |      |            |
| E-249             |        |      | 1732  |          |      |            |
| E-250             |        |      | 0837  |          |      |            |
| E-251             |        |      | 0263  |          |      |            |
| E-251             |        | 3075 |       |          |      |            |
| E-252             |        |      | 2621  |          |      |            |
| E-253             |        |      | 2089  |          |      |            |
| E-253+7,958=PI26  |        |      | 1795  |          |      |            |
| E-254             |        |      | 1690  |          |      |            |
| E-255             |        |      | 1393  |          |      |            |
| E-256             |        |      | 1261  |          |      |            |
| E-257             |        |      | 1047  |          |      |            |
| E-258             |        |      | 0969  |          |      |            |
| E-258+14,912=PI27 |        |      | 1135  |          |      |            |
| E-259             |        |      | 1217  |          |      |            |
| E-260             |        |      | 1525  |          |      |            |
| E-260             |        | 0112 |       |          |      |            |
| E-261             |        |      | 0422  |          |      |            |
| E-262             |        |      | 0799  |          |      |            |
| E-263             |        |      | 1041  |          |      |            |
| E-264             |        |      | 1477  |          |      |            |

Operador NILSON LIMA Data 25/09/98

Folha 19/

ENGENHARIA - S.P.E.I.



Nivelamento Geométrico

Contra-Nivelamento Geométrico

OBRA ADUTOEA VILA DO FELIX Chave \_\_\_\_\_

SERVIÇO \_\_\_\_\_ Itício \_\_\_\_\_

| Estaca | Interm      | Re   | Vant | Altim | Altim. Teor | Cota | Observação |
|--------|-------------|------|------|-------|-------------|------|------------|
| E-265  |             |      | 1645 |       |             |      |            |
| E-266  |             |      | 2011 |       |             |      |            |
| E-267  |             |      | 2200 |       |             |      |            |
| E-268  |             |      | 2425 |       |             |      |            |
| E-269  |             |      | 2568 |       |             |      |            |
| E-270  |             |      | 2700 |       |             |      |            |
| E-270  |             | 0154 |      |       |             |      |            |
| E-271  |             |      | 0473 |       |             |      |            |
| E-272  |             |      | 0692 |       |             |      |            |
| E-273  |             |      | 0883 |       |             |      |            |
| E-274  |             |      | 1175 |       |             |      |            |
| E-275  |             |      | 1450 |       |             |      |            |
| E-275  | 11,063=1128 |      | 1562 |       |             |      |            |
| E-276  |             |      | 1856 |       |             |      |            |
| E-277  |             |      | 2283 |       |             |      |            |
| E-277  |             | 0077 |      |       |             |      |            |
| E-278  |             |      | 0497 |       |             |      |            |
| E-279  |             |      | 0892 |       |             |      |            |
| E-280  |             |      | 1564 |       |             |      |            |
| E-281  |             |      | 1953 |       |             |      |            |
| E-281  |             | 0205 |      |       |             |      |            |
| E-282  |             |      | 0750 |       |             |      |            |
| E-283  |             |      | 1478 |       |             |      |            |
| E-284  |             |      | 2103 |       |             |      |            |
| E-285  |             |      | 2722 |       |             |      |            |
| E-286  |             |      | 3106 |       |             |      |            |
| E-287  |             |      | 3789 |       |             |      |            |
| E-287  |             | 0121 |      |       |             |      |            |
| E-288  |             |      | 0544 |       |             |      |            |

Operador Nelson Lima Data 25 04 98

Folha 20

Nivelamento Geométrico       Contra-Nivelamento Geométrico

OBRA ADUTOEA VILA DO FELIX Cliente ESC.

SERVIÇO \_\_\_\_\_ Fecho \_\_\_\_\_

| Estaca               | Interm | Ré   | Vante | 2º mo | Correção | Cota | Observação |
|----------------------|--------|------|-------|-------|----------|------|------------|
| E-289                |        |      | 1081  |       |          |      |            |
| E-290                |        |      | 1480  |       |          |      |            |
| E-291                |        |      | 2701  |       |          |      |            |
| E-291+18,516 = PI 29 |        |      | 2752  |       |          |      |            |
| E-292                |        |      | 2939  |       |          |      |            |
| E-292                |        | 0335 |       |       |          |      |            |
| E-293                |        |      | 0506  |       |          |      |            |
| E-294                |        |      | 0904  |       |          |      |            |
| E-295                |        |      | 1329  |       |          |      |            |
| E-296                |        |      | 1971  |       |          |      |            |
| E-297                |        |      | 2482  |       |          |      |            |
| E-298                |        |      | 3002  |       |          |      |            |
| E-299                |        |      | 3574  |       |          |      |            |
| E-299                |        | 0142 |       |       |          |      |            |
| E-300                |        |      | 0596  |       |          |      |            |
| E-301                |        |      | 0741  |       |          |      |            |
| E-302                |        |      | 1320  |       |          |      |            |
| E-303                |        |      | 1632  |       |          |      |            |
| E-304                |        |      | 2267  |       |          |      |            |
| E-305                |        |      | 3076  |       |          |      |            |
| E-306                |        |      | 3306  |       |          |      |            |
| E-307                |        |      | 3500  |       |          |      |            |
| E-307                |        | 1016 |       |       |          |      |            |
| E-308                |        |      | 1176  |       |          |      |            |
| E-309                |        |      | 1365  |       |          |      |            |
| E-310                |        |      | 1610  |       |          |      |            |
| E-311                |        |      | 1533  |       |          |      |            |
| E-311+18,051 = PI 30 |        |      | 1562  |       |          |      |            |
| E-312                |        |      | 1558  |       |          |      |            |
| E-313                |        |      | 1508  |       |          |      |            |

Operador Nilson Lima D. de 25/09/98

Folha 21

ENGENHARIA - S P E L

Nivelamento Geométrico       Contra-Nivelamento Geométrico

OBRA ADUTORIA VILA DO FELIX Cliente \_\_\_\_\_

SERVIÇO \_\_\_\_\_ Trecho \_\_\_\_\_

| Estaca           | Interm | Re   | Vante | Plano | Correção | Cota | Observação |
|------------------|--------|------|-------|-------|----------|------|------------|
| E-314            |        |      | 1366  |       |          |      |            |
| E-315            |        |      | 1120  |       |          |      |            |
| E-316            |        |      | 1151  |       |          |      |            |
| E-316            |        | 1460 |       |       |          |      |            |
| E-317            |        |      | 1663  |       |          |      |            |
| E-318            |        |      | 1324  |       |          |      |            |
| E-319            |        |      | 1380  |       |          |      |            |
| E-320            |        |      | 1560  |       |          |      |            |
| E-321            |        |      | 2059  |       |          |      |            |
| E-322-PI-31      |        |      | 1741  |       |          |      |            |
| E-322-PI-31      |        | 1422 |       |       |          |      |            |
| E-323            |        |      | 1254  |       |          |      |            |
| E-323+1002+PI-31 |        |      | 1688  |       |          |      |            |
| E-324            |        |      | 1609  |       |          |      |            |
| E-325            |        |      | 0964  |       |          |      |            |
| E-326            |        |      | 0320  |       |          |      |            |
| E-326            |        | 1795 |       |       |          |      |            |
| E-327            |        |      | 1775  |       |          |      |            |
| E-328            |        |      | 0794  |       |          |      |            |
| E-328            |        | 2651 |       |       |          |      |            |
| E-329            |        |      | 1651  |       |          |      |            |
| E-330            |        |      | 1156  |       |          |      |            |
| E-331            |        |      | 0722  |       |          |      |            |
| E-332            |        |      | 0172  |       |          |      |            |
| E-332            |        | 3034 |       |       |          |      |            |
| E-333            |        |      | 2288  |       |          |      |            |
| E-334            |        |      | 1666  |       |          |      |            |
| E-335            |        |      | 0919  |       |          |      |            |

Operador MILSON LIMA Data 25/09/98

Folha 22

ENGMAPA - S P E L

Nivelamento Geométrico       Contra-Nivelamento Geométrico

OBRA ADUTORA VILA DO FELIX Chente ESC.

SERVIÇO NIVELAMENTO DO EIXO Trecho \_\_\_\_\_

| Estaca           | Interim | Ré   | Vante | Plano | Correção | Cota | Obseivação |
|------------------|---------|------|-------|-------|----------|------|------------|
| E-336            |         |      | 0389  |       |          |      |            |
| E-336            |         | 3208 |       |       |          |      |            |
| E-337            |         |      | 2523  |       |          |      |            |
| E-338            |         |      | 2121  |       |          |      |            |
| E-339            |         |      | 1551  |       |          |      |            |
| E-340            |         |      | 1228  |       |          |      |            |
| E-341            |         |      | 0999  |       |          |      |            |
| E-342            |         |      | 0947  |       |          |      |            |
| E-342+7,236=PI33 |         |      | 0930  |       |          |      |            |
| E-343            |         |      | 0794  |       |          |      |            |
| E-344            |         |      | 0778  |       |          |      | PAULO      |
| E-344            |         | 1351 |       |       |          |      |            |
| E-345=PI34       |         |      | 1720  |       |          |      |            |
| E-346            |         |      | 1548  |       |          |      |            |
| E-347            |         |      | 1254  |       |          |      |            |
| E-348+6,12=PI0   |         |      | 0640  |       |          |      | PAULO      |
| E-348+16,12=PI0  |         | 2736 |       |       |          |      |            |
| E-0=PI0          |         |      | 2412  |       |          |      | GASTOZ     |
| E-1              |         |      | 2569  |       |          |      |            |
| E-2              |         |      | 2233  |       |          |      |            |
| E-3              |         |      | 0892  |       |          |      |            |
| E-3              |         | 3581 |       |       |          |      |            |
| E-4              |         |      | 1206  |       |          |      |            |
| E-4              |         | 2561 |       |       |          |      |            |
| E-5              |         |      | 0787  |       |          |      |            |
| E-5+1,70=PI1     |         |      | 0765  |       |          |      |            |
| E-6              |         |      | 2211  |       |          |      |            |
| E-7              |         |      | 2880  |       |          |      |            |

Operador Nilson Lima Data 25/09/98

Folha 23/

Nivelamento Geométrico       Contra-Nivelamento Geométrico

OBRA ADUTORIA VILA DO FELIX. Cliente ESC.

SERVIÇO \_\_\_\_\_ Trecho \_\_\_\_\_

| Estaca            | Interm | Rc   | Vinte | Plano | Correção | Cota | Observação |
|-------------------|--------|------|-------|-------|----------|------|------------|
| E-8               |        |      | 2828  |       |          |      |            |
| E-9               |        |      | 2918  |       |          |      |            |
| E-10              |        |      | 2606  |       |          |      |            |
| E-10              |        | 2365 |       |       |          |      |            |
| E-11              |        |      | 2167  |       |          |      |            |
| E-12              |        |      | 1729  |       |          |      |            |
| E-12+15,00 = PI 2 |        |      | 1202  |       |          |      |            |
| E-13              |        |      | 1034  |       |          |      |            |
| E-14              |        |      | 1094  |       |          |      |            |
| E-15              |        |      | 1659  |       |          |      |            |
| E-16              |        |      | 1604  |       |          |      |            |
| E-17              |        |      | 1379  |       |          |      |            |
| E-17              |        | 0053 |       |       |          |      |            |
| E-18              |        |      | 0230  |       |          |      |            |
| E-19              |        |      | 0829  |       |          |      |            |
| E-20              |        |      | 1515  |       |          |      |            |
| E-20+7,94 = PI 3  |        |      | 1940  |       |          |      |            |
| E-21              |        |      | 2427  |       |          |      |            |
| E-22              |        |      | 3259  |       |          |      |            |
| E-23              |        |      | 3548  |       |          |      |            |
| E-23              |        | 0052 |       |       |          |      |            |
| E-24              |        |      | 0698  |       |          |      |            |
| E-25              |        |      | 1344  |       |          |      |            |
| E-26              |        |      | 1161  |       |          |      |            |
| E-27              |        |      | 1281  |       |          |      |            |
| E-28              |        |      | 1436  |       |          |      |            |
| E-29              |        |      | 1254  |       |          |      |            |
| E-30              |        |      | 1327  |       |          |      |            |
| E-30+0,23 = PI 4  |        |      | 1332  |       |          |      |            |
| E-31              |        |      | 1407  |       |          |      |            |

Operador nilson lima Data 25/09/98

Folha 24/

Nivelamento Geométrico       Contra-Nivelamento Geométrico

OBRA ADUTORA VILA DO FELIX Cliente ESC.

SERVIÇO NIVELAMENTO DO EIXO Fecho \_\_\_\_\_

| Estaca         | Interm. | Ré   | Vante | Plano | Correção | Cota | Observação |
|----------------|---------|------|-------|-------|----------|------|------------|
| E-31           |         | 1017 |       |       |          |      |            |
| E-32           |         |      | 1071  |       |          |      |            |
| E-33           |         |      | 1169  |       |          |      |            |
| E-34           |         |      | 1311  |       |          |      |            |
| E-35           |         |      | 1498  |       |          |      |            |
| E-36           |         |      | 1515  |       |          |      |            |
| E-37           |         |      | 1651  |       |          |      |            |
| E-38           |         |      | 1810  |       |          |      |            |
| E-39           |         |      | 1972  |       |          |      |            |
| E-39           |         | 0597 |       |       |          |      |            |
| E-40           |         |      | 0802  |       |          |      |            |
| E-41           |         |      | 1177  |       |          |      |            |
| E-42           |         |      | 1322  |       |          |      |            |
| E-43           |         |      | 1575  |       |          |      |            |
| E-44           |         |      | 1845  |       |          |      |            |
| E-44+3.6 = PIS |         |      | 1811  |       |          |      |            |
| E-45           |         |      | 1880  |       |          |      |            |
| E-46           |         |      | 2050  |       |          |      |            |
| E-47           |         |      | 2515  |       |          |      |            |
| E-47           |         | 0471 |       |       |          |      |            |
| E-48           |         |      | 0832  |       |          |      |            |
| E-49           |         |      | 1099  |       |          |      |            |
| E-50           |         |      | 1307  |       |          |      |            |
| E-51           |         |      | 1538  |       |          |      |            |
| E-52           |         |      | 1997  |       |          |      |            |
| E-53           |         |      | 2231  |       |          |      |            |
| E-54           |         |      | 2644  |       |          |      |            |
| E-55           |         |      | 2980  |       |          |      |            |
| E-55           |         | 0525 |       |       |          |      |            |
| E-56           |         |      | 0792  |       |          |      |            |

Operador Nilson Lima Data 25 09 98

Folha 251

Nivelamento Geométrico       Contra-Nivelamento Geométrico

OBRA ADutora VILA DO FELIX. Cliente ESC.

SERVIÇO NIVELAMENTO DO EIXO Frecho \_\_\_\_\_

| Estaca        | Interm | Re   | Vante | Plano | Correção | Cota | Observação |
|---------------|--------|------|-------|-------|----------|------|------------|
| E-57          |        |      | 1037  |       |          |      |            |
| E-58          |        |      | 1191  |       |          |      |            |
| E-59          |        |      | 1538  |       |          |      |            |
| E-60          |        |      | 1649  |       |          |      |            |
| E-61          |        |      | 1711  |       |          |      |            |
| E-62          |        |      | 1838  |       |          |      |            |
| E-63          |        |      | 3183  |       |          |      |            |
| E-64          |        |      | 3270  |       |          |      |            |
| E-64          |        | 1845 |       |       |          |      |            |
| E-64+7,46=PI6 |        |      | 1301  |       |          |      |            |
| E-65          |        |      | 0914  |       |          |      |            |
| E-66          |        |      | 0993  |       |          |      |            |
| E-67          |        |      | 1124  |       |          |      |            |
| E-68          |        |      | 1254  |       |          |      |            |
| E-69          |        |      | 1610  |       |          |      |            |
| E-70          |        |      | 1924  |       |          |      |            |
| E-71          |        |      | 2096  |       |          |      |            |
| E-72          |        |      | 1990  |       |          |      |            |
| E-72+6,98=PI7 |        |      | 2067  |       |          |      |            |
| E-73          |        |      | 2225  |       |          |      |            |
| E-73          |        | 1288 |       |       |          |      |            |
| E-74          |        |      | 1143  |       |          |      |            |
| E-75          |        |      | 1112  |       |          |      |            |
| E-76          |        |      | 1166  |       |          |      |            |
| E-77          |        |      | 1551  |       |          |      |            |
| E-78          |        |      | 1475  |       |          |      |            |
| E-79          |        |      | 2348  |       |          |      |            |
| E-80          |        |      | 2262  |       |          |      |            |
| E-81          |        |      | 1538  |       |          |      |            |
| E-82          |        |      | 0895  |       |          |      |            |
| E-83          |        |      | 0297  |       |          |      |            |

Operador NILSON LIMA Data 25/09/98

Folha 261

ENGEMAPA - S P E L

Nivelamento Geométrico       Contra-Nivelamento Geométrico

OBRA ADutora VILA DO FELIX Cliente ESC.

SERVIÇO NIVELAMENTO DO EIXO Trecho \_\_\_\_\_

| Estaca         | Interm | Re   | Vante | Plano | Correção | Cota | Observação |
|----------------|--------|------|-------|-------|----------|------|------------|
| E-83           |        | 1279 |       |       |          |      |            |
| E-84           |        |      | 1204  |       |          |      |            |
| E-85           |        |      | 1763  |       |          |      |            |
| E-86           |        |      | 1805  |       |          |      |            |
| E-87           |        |      | 1812  |       |          |      |            |
| E-88           |        |      | 0988  |       |          |      |            |
| E-89           |        |      | 1097  |       |          |      |            |
| E-90           |        |      | 0361  |       |          |      |            |
| E-90           |        | 2680 |       |       |          |      |            |
| E-90+13.89=PI8 |        |      | 1945  |       |          |      |            |
| E-91           |        |      | 1724  |       |          |      |            |
| E-92           |        |      | 1541  |       |          |      |            |
| E-93           |        |      | 1519  |       |          |      |            |
| E-94           |        |      | 1267  |       |          |      |            |
| E-95           |        |      | 1100  |       |          |      |            |
| E-95+19.70=PI9 |        |      | 1311  |       |          |      |            |
| E-96           |        |      | 1299  |       |          |      |            |
| E-97           |        |      | 3231  |       |          |      |            |
| E-97           |        | 2347 |       |       |          |      |            |
| E-98           |        |      | 2795  |       |          |      |            |
| E-99           |        |      | 2965  |       |          |      |            |
| E-100          |        |      | 2149  |       |          |      |            |
| E-101          |        |      | 0900  |       |          |      |            |
| E-102          |        |      | 0424  |       |          |      |            |
| E-103          |        |      | 0482  |       |          |      |            |
| E-104          |        |      | 1215  |       |          |      |            |
| E-105          |        |      | 1464  |       |          |      |            |
| E-105+145=PI10 |        |      | 1513  |       |          |      |            |
| E-106          |        |      | 2152  |       |          |      |            |
| E-107          |        |      | 2701  |       |          |      |            |

Operador Wilson Lima Data 25/09/98

Folha 27

ENGEMAPA - S P L L

Nivelamento Geométrico       Contra-Nivelamento Geométrico

OBRA ADutora VILA DO FELIX Chente ESC.

SERVIÇO NIVELAMENTO DO EIXO Trecho \_\_\_\_\_

| Estaca           | Interm. | Ré    | Vance | Plano | Correção | Cota | Observação |
|------------------|---------|-------|-------|-------|----------|------|------------|
| E-107            |         | 0,906 |       |       |          |      |            |
| E-108            |         |       | 0824  |       |          |      |            |
| E-108+14,18=PT11 |         |       | 1548  |       |          |      |            |
| E-109            |         |       | 2279  |       |          |      |            |
| E-110            |         |       | 1480  |       |          |      |            |
| E-111            |         |       | 1222  |       |          |      |            |
| E-111+15,90=PT12 |         |       | 1274  |       |          |      |            |
| E-112            |         |       | 1549  |       |          |      |            |
| E-113            |         |       | 2164  |       |          |      |            |
| E-114            |         |       | 3323  |       |          |      |            |
| E-115            |         |       | 2939  |       |          |      |            |
| E-116            |         |       | 2209  |       |          |      |            |
| E-117            |         |       | 2255  |       |          |      |            |
| E-117            |         | 2161  |       |       |          |      |            |
| E-118            |         |       | 1218  |       |          |      |            |
| E-119            |         |       | 1078  |       |          |      |            |
| E-120            |         |       | 0992  |       |          |      |            |
| E-121            |         |       | 1188  |       |          |      |            |
| E-122            |         |       | 1553  |       |          |      |            |
| E-123            |         |       | 1736  |       |          |      |            |
| E-123+18,55=PT13 |         |       | 2210  |       |          |      |            |
| E-124            |         |       | 2216  |       |          |      |            |
| E-125            |         |       | 2442  |       |          |      |            |
| E-126            |         |       | 2630  |       |          |      |            |
| E-126            |         | 0738  |       |       |          |      |            |
| E-127            |         |       | 0961  |       |          |      |            |
| E-128            |         |       | 1241  |       |          |      |            |
| E-129            |         |       | 1456  |       |          |      |            |
| E-130            |         |       | 1748  |       |          |      |            |
| E-130+12,54=PT14 |         |       | 1555  |       |          |      |            |
| E-131            |         |       | 1278  |       |          |      |            |

Operador NILSON LIMA Data 25/09/98

Folha 28/

Nivelamento Geométrico       Contra-Nivelamento Geométrico

OBRA ADUTORIA VILA DO FELIX Cliente ESC.

SERVIÇO NIVELAMENTO DO EIXO Frecho \_\_\_\_\_

| Estaca           | Interm | Re   | Vante | Plano | Correção | Cota | Observação |
|------------------|--------|------|-------|-------|----------|------|------------|
| E-132            |        |      | 1512  |       |          |      |            |
| E-133            |        |      | 1163  |       |          |      |            |
| E-133            |        | 2750 |       |       |          |      |            |
| E-134            |        |      | 2488  |       |          |      |            |
| E-135            |        |      | 2367  |       |          |      |            |
| E-136            |        |      | 1921  |       |          |      |            |
| E-137            |        |      | 1567  |       |          |      |            |
| E-138            |        |      | 1221  |       |          |      |            |
| E-139            |        |      | 0875  |       |          |      |            |
| E-140            |        |      | 0581  |       |          |      |            |
| E-140            |        | 2884 |       |       |          |      |            |
| E-141            |        |      | 2701  |       |          |      |            |
| E-142            |        |      | 2100  |       |          |      |            |
| E-143            |        |      | 1644  |       |          |      |            |
| E-143+M.52=PI15  |        |      | 1068  |       |          |      |            |
| E-144            |        |      | 1020  |       |          |      |            |
| E-145            |        |      | 1005  |       |          |      |            |
| E-146            |        |      | 0519  |       |          |      |            |
| E-147            |        |      | 0058  |       |          |      |            |
| <del>E-147</del> |        |      |       |       |          |      |            |
| E-147            |        | 2439 |       |       |          |      |            |
| E-148            |        |      | 2086  |       |          |      |            |
| E-149            |        |      | 1842  |       |          |      |            |
| E-150            |        |      | 1583  |       |          |      |            |
| E-151            |        |      | 1385  |       |          |      |            |
| E-152            |        |      | 1205  |       |          |      |            |
| E-153            |        |      | 1273  |       |          |      |            |
| E-153+203=PI16   |        |      | 1211  |       |          |      |            |
| E-154            |        |      | 1315  |       |          |      |            |
| E-155            |        |      | 1410  |       |          |      |            |
| E-156            |        |      | 1480  |       |          |      |            |

Operador NILSON LIMP Data 25/09/98

Folha 29

ENGEMAPA - S P E I

Nivelamento Geométrico

Contra-Nivelamento Geométrico

OBRA ADUBORA VILA DO FELIX. Cliente ESC

SERVIÇO NIVELAMENTO DO EIXO Trecho \_\_\_\_\_

| Estaca          | Interm | Re    | Vante | Plano | Correção | Cota | Observação |
|-----------------|--------|-------|-------|-------|----------|------|------------|
| E-156           |        | 0,575 |       |       |          |      | imobente   |
| E-157           |        |       | 0637  |       |          |      | 8/1/317    |
| E-158           |        |       | 0799  |       |          |      |            |
| E-158+1,36=PI17 |        |       | 0695  |       |          |      |            |
| E-159           |        |       | 1072  |       |          |      |            |
| E-160           |        |       | 1331  |       |          |      |            |
| E-161           |        |       | 1599  |       |          |      |            |
| E-162           |        |       | 1838  |       |          |      |            |
| E-163           |        |       | 2185  |       |          |      |            |
| E-164           |        |       | 2420  |       |          |      |            |
| E-165           |        |       | 2670  |       |          |      |            |
| E-165           |        | 0,224 |       |       |          |      |            |
| E-166           |        |       | 0547  |       |          |      |            |
| E-167           |        |       | 0859  |       |          |      |            |
| E-168           |        |       | 1035  |       |          |      |            |
| E-169           |        |       | 1251  |       |          |      |            |
| E-169+2,84=PI18 |        |       | 1260  |       |          |      |            |
| E-170           |        |       | 1546  |       |          |      |            |
| E-171           |        |       | 2019  |       |          |      |            |
| E-172           |        |       | 2028  |       |          |      |            |
| E-173           |        |       | 2230  |       |          |      |            |
| E-174           |        |       | 2467  |       |          |      |            |
| E-175           |        |       | 2638  |       |          |      |            |
| E-175           |        | 0712  |       |       |          |      |            |
| E-176           |        |       | 0810  |       |          |      |            |
| E-177           |        |       | 0995  |       |          |      |            |
| E-178           |        |       | 1099  |       |          |      |            |
| E-179           |        |       | 1171  |       |          |      |            |
| E-179+6,37=PI19 |        |       | 1210  |       |          |      |            |
| E-180           |        |       | 1255  |       |          |      |            |
| E-181           |        |       | 1505  |       |          |      |            |

Operador WILSON LIMA Data 25/09/98

Folha 301

ESTACAS

RE

VANTE

E-182

1831

E-183

2041

E-184

2334

E-185

2598

E-185

0637

E-185+14.77=PI-20

0764

E-186

0700

E-187

1078

E-188

1452

E-189

1774

E-190

2279

E-191

2707

E-191+16.71=PI-21

3258

E-192

3174

E-192

0911

E-193

1741

E-194

1317

E-195

1872

E-195+9.73=PI-22

1512

E-196

1617

E-197

1456

E-198

1588

E-198+7.65=PI-23

1860

E-199

1551

E-199

1446

E-200

1640

E-201

1417

E-201+2.09=PI-24

1599

| ESTACAS          | RE'  | VANTE |
|------------------|------|-------|
| E-202            |      | 1238  |
| E-203            |      | 1268  |
| E-204            |      | 1555  |
| E-205            |      | 1541  |
| E-206            |      | 1348  |
| E-207            |      | 1263  |
| E-207            | 1249 |       |
| E-208            |      | 1030  |
| E-209            |      | 0921  |
| E-210            |      | 0966  |
| E-211            |      | 0942  |
| E-212            |      | 0860  |
| E-213            |      | 1300  |
| E-214            |      | 1375  |
| E-215            |      | 1019  |
| E-216            |      | 0880  |
| E-217            |      | 1053  |
| E-217            | 2235 |       |
| E-218            |      | 2014  |
| E-219            |      | 1918  |
| E-220            |      | 1603  |
| E-221            |      | 1285  |
| E-222            |      | 1026  |
| E-223            |      | 0484  |
| E-224            |      | 0668  |
| E-225            |      | 0698  |
| E-226            |      | 0549  |
| <del>E-227</del> |      |       |

| ESTACAS          | RE'  | VANTE |
|------------------|------|-------|
| E-226            | 2175 |       |
| E-227            |      | 2001  |
| E-228            |      | 1160  |
| E-229            |      | 1011  |
| E-229+15.47=PT25 |      | 1001  |
| E-230            |      | 1368  |
| E-231            |      | 0812  |
| E-232            |      | 0813  |
| E-233            |      | 0321  |
| E-233            | 2460 |       |
| E-234            |      | 1990  |
| E-235            |      | 1622  |
| E-235+10.90=PT26 |      | 1599  |
| E-236            |      | 1885  |
| E-237            |      | 1871  |
| E-238            |      | 1268  |
| E-239            |      | 0756  |
| E-240            |      | 0889  |
| E-240+11.21=PT27 |      | 0220  |
| E-240+11.21=PT27 | 2030 |       |
| E-241            |      | 2008  |
| E-242            |      | 1855  |
| E-243            |      | 1975  |
| E-244            |      | 1557  |
| E-245            |      | 1382  |
| E-246            |      | 1083  |
| E-247            |      | 0339  |
| E-248            |      | 0219  |

| ESTACAS          | RÉ   | VANTE |
|------------------|------|-------|
| E-248            | 2357 |       |
| E-249            |      | 1878  |
| E-249+13,71=PI28 |      | 1751  |
| E-250            |      | 1659  |
| E-251            |      | 1543  |
| E-252            |      | 1091  |
| E-253            |      | 1052  |
| E-254            |      | 0887  |
| E-255            |      | 0625  |
| E-256            |      | 0400  |
| E-257            |      | 0039  |
| E-257            | 3690 |       |
| E-258            |      | 3323  |
| E-259            |      | 2610  |
| E-260            |      | 2281  |
| E-261            |      | 2052  |
| E-262            |      | 1588  |
| E-263            |      | 1404  |
| E-264            |      | 0657  |
| E-264            | 3855 |       |
| E-265            |      | 3081  |
| E-265+13,94=PI29 |      | 2706  |
| E-266            |      | 2560  |
| E-267            |      | 1575  |
| E-268            |      | 0389  |
| E-268            | 3868 |       |
| E-269            |      | 2204  |

| ESTACAS           | RE   | VANTE |
|-------------------|------|-------|
| E-269             | 2945 |       |
| E-270             |      | 0688  |
| E-270             | 3876 |       |
| E-271             |      | 2412  |
| E-271+8.25=PI-30  |      | 1865  |
| E-272             |      | 1138  |
| E-273             |      | 1637  |
| E-274             |      | 1626  |
| E-274+19.31=PI-31 |      | 0788  |
| E-274+19.31=PI-31 | 1308 |       |
| E-275             |      | 1370  |
| E-276             |      | 1882  |
| E-277             |      | 2606  |
| E-278             |      | 2748  |
| E-279             |      | 2419  |
| E-280             |      | 2484  |
| E-281             |      | 2144  |
| E-282             |      | 1048  |
| E-282             | 2728 |       |
| E-283             |      | 1241  |
| E-284             |      | 0480  |
| E-284+15.51=PI-32 |      | 1136  |
| E-285             |      | 1242  |
| E-286             |      | 1544  |
| E-287             |      | 2323  |
| E-288             |      | 2888  |
| E-289             |      | 3341  |

| ESTACAS           | RE   | VANTE |
|-------------------|------|-------|
| E-289             | 0670 |       |
| E-290             |      | 1190  |
| E-290+15.83=PI-32 |      | 1873  |
| E-291             |      | 1992  |
| E-292             |      | 2384  |
| E-293             |      | 2574  |
| E-294             |      | 2867  |
| E-295             |      | 3221  |
| E-295             | 0014 |       |
| E-296             |      | 0485  |
| E-297             |      | 1428  |
| E-298             |      | 1833  |
| E-299             |      | 2214  |
| E-300             |      | 2415  |
| E-301             |      | 1804  |
| E-301+19.64=PI-34 |      | 1536  |
| E-302             |      | 1495  |
| E-303             |      | 2243  |
| E-303             | 0928 |       |
| E-304             |      | 1062  |
| E-305             |      | 1346  |
| E-306             |      | 1282  |
| E-307             |      | 1632  |
| E-308             |      | 1377  |
| E-308+8.45=PI-35  |      | 1101  |
| E-309             |      | 1154  |
| E-310             |      | 2750  |
| E-311             |      | 3789  |

ESTACAS

RE  
0158

VANTE

- E-311
- E-312
- E-313
- E-314
- E-315

1441  
2450  
2870  
3786

- E-315
- E-316
- E-317
- E-318
- E-319
- E-320
- E-321
- E-322

1721

1950  
1868  
2191  
2271  
1822  
0999  
0279

8.

- E-322
- E-323
- E-324

3290

1778  
0570

E-324

3472

E-325

1947

E-325 + 14.70 = 11.36

1466

E-326

1400

E-327

1397

E-328

1455

E-329

1648

E-330

1817

E-331

2215

E-332

2286

~~E-333~~

| ESTACAS           | RE   | VANTE |
|-------------------|------|-------|
| E-332             | 0537 |       |
| E-333             |      | 0767  |
| E-334             |      | 0855  |
| E-335             |      | 1217  |
| E-336             |      | 1669  |
| E-337             |      | 2064  |
| E-337+11.32=RI-37 |      | 2283  |
| E-338             |      | 2660  |
| E-339             |      | 3634  |
| E-339             | 0259 |       |
| E-340             |      | 1745  |
| E-341             |      | 3238  |
| E-341             | 0320 |       |
| E-342             |      | 2232  |
| E-343             |      | 3965  |
| E-343             | 0090 |       |
| E-344             |      | 1215  |
| E-345             |      | 2012  |
| E-346             |      | 2821  |
| E-347             |      | 3280  |
| E-348             |      | 3413  |
| E-348             | 0980 |       |
| E-349             |      | 1164  |
| E-350             |      | 1405  |
| E-351             |      | 2052  |
| E-352             |      | 2038  |

| ESTACAS                   | RE   | VANTE |
|---------------------------|------|-------|
| E-353                     |      | 1503  |
| E-354                     |      | 0067  |
| E-354                     | 2987 |       |
| E-355                     |      | 1730  |
| E-356                     |      | 1055  |
| E-356+8.43=PI-38          |      | 0576  |
| E-356+8.47=PI-38          | 2827 |       |
| E-357                     |      | 2038  |
| MARCO TELEFON<br>81021317 |      | 1311  |
| E-357+3.97=PI-39          |      | 1865  |
| E-358                     |      | 1986  |
| E-359                     |      | 1543  |
| E-360                     |      | 1535  |
| E-361                     |      | 1543  |
| E-362                     |      | 1485  |
| E-362                     | 2216 |       |
| E-363                     |      | 2113  |
| E-364                     |      | 1778  |
| E-365                     |      | 1448  |
| E-366                     |      | 1428  |
| E-367                     |      | 1464  |
| E-368                     |      | 1468  |
| E-369                     |      | 1499  |
| E-370                     |      | 1510  |
| E-370                     | 2449 |       |
| E-371                     |      | 2339  |

1  
COTA REAL: 108,051

| ESTACAS                          | RÉ   | VANTE |
|----------------------------------|------|-------|
| E-372                            |      | 1879  |
| E-373                            |      | 1599  |
| E-374                            |      | 1588  |
| E-374+10,8=PI40                  |      | 1148  |
| E-375                            |      | 0950  |
| FUNDO DO BARRICO<br>NA 2ma 8.585 |      | 1012  |
| E-376                            |      | 0954  |
| <del>E-377</del>                 |      |       |
| E-376                            | 2878 |       |
| E-377                            |      | 2259  |
| E-378                            |      | 2027  |
| E-379                            |      | 1420  |
| E-380+9.99=41 d                  |      | 1264  |
| E-380                            |      | 0937  |
| E-381                            |      | 0238  |
| E-381                            | 2720 |       |
| E-382                            |      | 2284  |
| E-383                            |      | 1768  |
| E-384                            |      | 1022  |
| E-385                            |      | 0254  |
| E-385                            | 2786 |       |
| E-386                            |      | 2306  |
| E-386+11.79 = PI=42              |      | 1785  |
| E-387                            |      | 1503  |
| E-388                            |      | 0599  |
| E-388+8.75 = PI43                |      | 0266  |
| <del>E-388</del>                 |      |       |
| E-388+ = PI43                    | 1845 |       |
| E-389                            |      | 1566  |
| E-390 <del>teste</del>           |      | 1379  |

Ponto IRRADIADO  
2055 → VANTE

A

## **2.4- NIVELAMENTO GEOMÉTRICO (CÁLCULO COTA ARBITRÁRIA)**

| PONTO           | RE   | PLANO  | VANTE | COTA   |
|-----------------|------|--------|-------|--------|
| IBGE=PISO       | 1582 | 101582 |       | 100000 |
| E-0=PI-0        |      |        | 2357  | 99225  |
| E-0=PI-0        | 721  | 99946  |       |        |
| E-1             |      |        | 2362  | 97584  |
| E-2             |      |        | 3609  | 96337  |
| E-2             | 301  | 96638  |       |        |
| E-3             |      |        | 1210  | 95428  |
| E-4             |      |        | 1875  | 94763  |
| E-5             |      |        | 2015  | 94623  |
| E-6             |      |        | 2066  | 94572  |
| E-7             |      |        | 1435  | 95203  |
| E-8             |      |        | 627   | 96011  |
| E-8             | 3824 | 99835  |       |        |
| E-9             |      |        | 3131  | 96704  |
| E-10            |      |        | 2094  | 97741  |
| E-10+359=PI-1   |      |        | 1936  | 97899  |
| E-11            |      |        | 1204  | 98631  |
| E-11            | 3824 | 102455 |       |        |
| E-12            |      |        | 2295  | 100160 |
| E-13            |      |        | 1179  | 101276 |
| E-13            | 3842 | 105118 |       |        |
| E-14            |      |        | 2723  | 102385 |
| E-15            |      |        | 1788  | 103330 |
| E-15+19,62=PI-2 |      |        | 822   | 104296 |
| E-16            |      |        | 852   | 104266 |
| E-16            | 3901 | 108167 |       |        |
| E-17            |      |        | 3161  | 105006 |
| E-18            |      |        | 2271  | 105896 |
| E-19            |      |        | 1596  | 106571 |
| E-20            |      |        | 930   | 107237 |
| E-20            | 3839 | 111076 |       |        |
| E-21            |      |        | 3038  | 108038 |
| E-22            |      |        | 2570  | 108506 |
| E-23            |      |        | 1906  | 109170 |
| E-24            |      |        | 1392  | 109884 |
| E-24+0,75=PI-3  |      |        | 1367  | 109709 |
| E-25            |      |        | 799   | 110277 |
| E-26            |      |        | 250   | 110826 |
| E-26            | 2478 | 113304 |       |        |
| E-27            |      |        | 2080  | 111224 |
| E-28            |      |        | 1746  | 111558 |
| E-29            |      |        | 1658  | 111646 |
| E-30            |      |        | 1514  | 111790 |
| E-31            |      |        | 1248  | 112056 |
| E-31+11,36=PI-4 |      |        | 1247  | 112057 |
| E-32            |      |        | 1153  | 112151 |
| E-33            |      |        | 1243  | 112061 |
| E-34            |      |        | 1220  | 112084 |
| E-35            |      |        | 1110  | 112194 |
| E-35            | 1146 | 113340 |       |        |
| E-36            |      |        | 1340  | 112000 |
| E-37            |      |        | 1403  | 111937 |
| E-38            |      |        | 1393  | 111947 |
| E-39            |      |        | 1489  | 111851 |
| E-40            |      |        | 1516  | 111824 |

| PONTO           | RE   | PLANO  | VANTE | COTA   |
|-----------------|------|--------|-------|--------|
| E-41            |      |        | 1660  | 111680 |
| E-41+12,19=PI-5 |      |        | 1681  | 111659 |
| E-42            |      |        | 1658  | 111682 |
| E-42            | 986  | 112668 |       |        |
| E-43            |      |        | 1142  | 111526 |
| E-44            |      |        | 1450  | 111218 |
| E-45            |      |        | 1438  | 111230 |
| E-45+16,20=PI-6 |      |        | 1889  | 110779 |
| E-46            |      |        | 1719  | 110949 |
| E-47            |      |        | 2450  | 110218 |
| E-48            |      |        | 2804  | 109864 |
| E-49            |      |        | 3435  | 109233 |
| E-49            | 424  | 109657 |       |        |
| E-50            |      |        | 1081  | 108576 |
| E-51            |      |        | 1706  | 107951 |
| E-52            |      |        | 2766  | 106891 |
| E-53            |      |        | 2258  | 107399 |
| E-54            |      |        | 1612  | 108045 |
| E-55            |      |        | 1095  | 108562 |
| E-56            |      |        | 846   | 108811 |
| E-56            | 2660 | 111471 |       |        |
| E-57            |      |        | 3358  | 108113 |
| E-58            |      |        | 3059  | 108412 |
| E-59            |      |        | 1378  | 110093 |
| E-60            |      |        | 180   | 111291 |
| E-60            | 3570 | 114861 |       |        |
| E-61            |      |        | 2364  | 112497 |
| E-62            |      |        | 972   | 113889 |
| E-62            | 3966 | 117855 |       |        |
| E-63            |      |        | 3270  | 114585 |
| E-64            |      |        | 2331  | 115524 |
| E-64+10,08=PI-7 |      |        | 2086  | 115769 |
| E-65            |      |        | 1735  | 116120 |
| E-66            |      |        | 1062  | 116793 |
| E-67            |      |        | 293   | 117562 |
| E-67            | 3954 | 121516 |       |        |
| E-68            |      |        | 3462  | 118054 |
| E-69            |      |        | 2841  | 118675 |
| E-70            |      |        | 2320  | 119196 |
| E-71            |      |        | 1862  | 119654 |
| E-72            |      |        | 1140  | 120376 |
| E-73            |      |        | 721   | 120795 |
| E-74            |      |        | 298   | 121218 |
| E-74+1,30=PI-8  |      |        | 229   | 121287 |
| E-74+1,30=PI-8  | 3060 | 124347 |       |        |
| E-75            |      |        | 2696  | 121651 |
| E-76            |      |        | 2233  | 122114 |
| E-77            |      |        | 1844  | 122503 |
| E-78            |      |        | 1503  | 122844 |
| E-79            |      |        | 1242  | 123105 |
| E-80            |      |        | 782   | 123565 |
| E-81            |      |        | 411   | 123936 |
| E-82            |      |        | 38    | 124309 |
| E-82            | 3290 | 127599 |       |        |
| E-83            |      |        | 2950  | 124649 |

| PONTO             | RE   | PLANO  | VANTE | COTA   |
|-------------------|------|--------|-------|--------|
| E-84              |      |        | 2442  | 125157 |
| E-85              |      |        | 2113  | 125486 |
| E-86              |      |        | 1652  | 125947 |
| E-87              |      |        | 1340  | 126259 |
| E-88              |      |        | 914   | 126685 |
| E-89              |      |        | 402   | 127197 |
| E-89              | 3538 | 130735 |       |        |
| E-90              |      |        | 3109  | 127626 |
| E-91              |      |        | 2630  | 128105 |
| E-92              |      |        | 2223  | 128512 |
| E-93              |      |        | 1782  | 128953 |
| E-94              |      |        | 1242  | 129493 |
| E-95              |      |        | 956   | 129779 |
| E-96              |      |        | 689   | 130066 |
| E-96+3,18=PI-9    |      |        | 648   | 130087 |
| E-97              |      |        | 605   | 130130 |
| E-98              |      |        | 885   | 129850 |
| E-98              | 599  | 130449 |       |        |
| E-99              |      |        | 1161  | 129288 |
| E-100             |      |        | 1696  | 128753 |
| E-101             |      |        | 2278  | 128171 |
| E-102             |      |        | 2871  | 127578 |
| E-103             |      |        | 3509  | 126940 |
| E-103+13,09=PI-10 |      |        | 3999  | 126450 |
| E-103+13,09=PI-10 | 1326 | 127776 |       |        |
| E-104             |      |        | 1545  | 126231 |
| E-104+11,68=PI-11 |      |        | 2067  | 125709 |
| E-105             |      |        | 1767  | 126009 |
| E-106             |      |        | 1466  | 126310 |
| E-107             |      |        | 1195  | 126581 |
| E-108             |      |        | 1019  | 126757 |
| E-109             |      |        | 1042  | 126734 |
| E-110             |      |        | 1138  | 126638 |
| E-111             |      |        | 983   | 126793 |
| E-112             |      |        | 914   | 126882 |
| E-112             | 2930 | 129792 |       |        |
| E-113             |      |        | 2648  | 127144 |
| E-114             |      |        | 2440  | 127352 |
| E-115             |      |        | 1760  | 128032 |
| E-115+10,00=PI-12 |      |        | 1875  | 127917 |
| E-116             |      |        | 1678  | 128114 |
| E-117             |      |        | 1275  | 128517 |
| E-118             |      |        | 1089  | 128703 |
| E-119             |      |        | 412   | 129380 |
| E-119             | 3361 | 132741 |       |        |
| E-120             |      |        | 2866  | 129875 |
| E-121             |      |        | 1994  | 130747 |
| E-122             |      |        | 1184  | 131557 |
| E-122+10,41=PI-13 |      |        | 729   | 132012 |
| E-123             |      |        | 200   | 132541 |
| E-123             | 3027 | 135568 |       |        |
| E-124             |      |        | 2463  | 133105 |
| E-125             |      |        | 1880  | 133688 |
| E-125+8,03=PI-14  |      |        | 1520  | 134048 |
| E-126             |      |        | 941   | 134627 |

| PONTO             | RE   | PLANO  | VANTE | COTA   |
|-------------------|------|--------|-------|--------|
| E-127             |      |        | 637   | 134931 |
| E-127             | 3569 | 138500 |       |        |
| E-128             |      |        | 2958  | 135542 |
| E-129             |      |        | 2410  | 136090 |
| E-130             |      |        | 1330  | 137170 |
| E-130+15,47=PI-15 |      |        | 902   | 137598 |
| E-131             |      |        | 837   | 137663 |
| E-132             |      |        | 233   | 138267 |
| E-133             |      |        | 218   | 138282 |
| E-133             | 2580 | 140862 |       |        |
| E-133+17,66=PI-16 |      |        | 2234  | 138828 |
| E-134             |      |        | 2178  | 138884 |
| E-135             |      |        | 1574  | 139288 |
| E-136             |      |        | 1238  | 139624 |
| E-137             |      |        | 1504  | 139358 |
| E-138             |      |        | 1556  | 139306 |
| E-139             |      |        | 1702  | 139160 |
| E-139+7,71=PI-17  |      |        | 1741  | 139121 |
| E-139+7,71=PI-17  | 909  | 140030 |       |        |
| E-140             |      |        | 1416  | 138814 |
| E-141             |      |        | 1263  | 138767 |
| E-141+13,96=PI-18 |      |        | 1285  | 138745 |
| E-142             |      |        | 1386  | 138844 |
| E-143             |      |        | 1686  | 138344 |
| E-144             |      |        | 1968  | 138062 |
| E-144+1,29=PI-19  |      |        | 2086  | 137944 |
| E-145             |      |        | 3284  | 136746 |
| E-146             |      |        | 3670  | 136380 |
| E-147             |      |        | 3368  | 136862 |
| E-148             |      |        | 3436  | 136584 |
| E-148             | 1481 | 138075 |       |        |
| E-148+10,69=PI-20 |      |        | 1744  | 136331 |
| E-149             |      |        | 1238  | 136837 |
| E-150             |      |        | 814   | 137261 |
| E-151             |      |        | 1430  | 136845 |
| E-152             |      |        | 1840  | 136235 |
| E-153             |      |        | 1901  | 136174 |
| E-154             |      |        | 2162  | 135913 |
| E-155             |      |        | 2332  | 135743 |
| E-156             |      |        | 2257  | 135818 |
| E-156             | 1969 | 137787 |       |        |
| E-156+7,86=PI-21  |      |        | 1915  | 135872 |
| E-157             |      |        | 1798  | 135989 |
| E-158             |      |        | 1581  | 136206 |
| E-158+12,76=PI-22 |      |        | 1450  | 136337 |
| E-159             |      |        | 1364  | 136423 |
| E-160             |      |        | 1261  | 136526 |
| E-161             |      |        | 1295  | 136492 |
| E-162             |      |        | 1107  | 136680 |
| E-162             | 2149 | 138829 |       |        |
| E-163             |      |        | 1647  | 137182 |
| E-163+7,80=PI-23  |      |        | 1525  | 137304 |
| E-164             |      |        | 1415  | 137414 |
| E-164+19,28=PI-24 |      |        | 1480  | 137349 |
| E-165             |      |        | 1455  | 137374 |

| PONTO                      | RE   | PLANO  | VANTE | COTA   |
|----------------------------|------|--------|-------|--------|
| E-166                      |      |        | 1568  | 137261 |
| E-167                      |      |        | 1860  | 136969 |
| E-167+11,47=PI-25          |      |        | 1941  | 136888 |
| E-168                      |      |        | 2126  | 136703 |
| E-168                      | 161  | 136864 |       |        |
| E-169                      |      |        | 288   | 136576 |
| E-170                      |      |        | 500   | 136364 |
| E-171                      |      |        | 737   | 136127 |
| E-172                      |      |        | 1020  | 135844 |
| E-173                      |      |        | 1367  | 135497 |
| E-174                      |      |        | 1893  | 134971 |
| E-174+10,76=PI-26          |      |        | 1627  | 135237 |
| E-175                      |      |        | 1678  | 135186 |
| E-176                      |      |        | 1923  | 134941 |
| E-177                      |      |        | 2145  | 134719 |
| E-178                      |      |        | 2445  | 134419 |
| E-178                      | 382  | 134801 |       |        |
| E-178+14,97=PI-27=PI-0=E-0 |      |        | 718   | 134083 |
| E-1                        |      |        | 980   | 133821 |
| E-2                        |      |        | 1236  | 133565 |
| E-2+19,318=PI-1            |      |        | 1453  | 133348 |
| E-3                        |      |        | 1427  | 133374 |
| E-4                        |      |        | 1696  | 133105 |
| E-5                        |      |        | 2076  | 132725 |
| E-5                        | 538  | 133263 |       |        |
| E-5+11,840=PI-2            |      |        | 1272  | 131991 |
| E-6                        |      |        | 1280  | 131983 |
| E-7                        |      |        | 1306  | 131957 |
| E-8                        |      |        | 1664  | 131599 |
| E-9                        |      |        | 2182  | 131081 |
| E-9+7,931=PI-3             |      |        | 2451  | 130812 |
| E-10                       |      |        | 3040  | 130223 |
| E-11                       |      |        | 3562  | 129701 |
| E-12                       |      |        | 3545  | 129718 |
| E-12                       | 463  | 130181 |       |        |
| E-12+12,972=PI-4           |      |        | 1442  | 128739 |
| E-13                       |      |        | 1340  | 128841 |
| E-14                       |      |        | 846   | 129335 |
| E-15                       |      |        | 1320  | 128861 |
| E-16                       |      |        | 1792  | 128389 |
| E-17                       |      |        | 2313  | 127868 |
| E-18                       |      |        | 2459  | 127722 |
| E-19                       |      |        | 3189  | 126992 |
| E-19                       | 238  | 127230 |       |        |
| E-20                       |      |        | 1263  | 125967 |
| E-21                       |      |        | 1970  | 125280 |
| E-22                       |      |        | 1758  | 125472 |
| E-23                       |      |        | 1356  | 125874 |
| E-24                       |      |        | 1430  | 125800 |
| E-25                       |      |        | 1326  | 125904 |
| E-26                       |      |        | 1249  | 125981 |
| E-27                       |      |        | 1326  | 125904 |
| E-27                       | 2960 | 128864 |       |        |
| E-28                       |      |        | 2821  | 126043 |
| E-28+6,099=PI-5            |      |        | 2498  | 126386 |

000167

| PONTO            | RE   | PLANO  | VANTE | COTA   |
|------------------|------|--------|-------|--------|
| E-29             |      |        | 2124  | 126740 |
| E-30             |      |        | 1333  | 127531 |
| E-31             |      |        | 1468  | 127396 |
| E-32             |      |        | 612   | 128252 |
| E-33             |      |        | 362   | 128502 |
| E-33             | 2868 | 131370 |       |        |
| E-34             |      |        | 2444  | 128926 |
| E-35             |      |        | 2067  | 129303 |
| E-36             |      |        | 1702  | 129668 |
| E-37             |      |        | 1352  | 130018 |
| E-37             |      |        | 1352  | 130018 |
| E-39             |      |        | 441   | 130829 |
| E-39+12,942=PI-6 |      |        | 132   | 131238 |
| E-39+12,942=PI-6 | 3600 | 134838 |       |        |
| E-40             |      |        | 3296  | 131542 |
| E-41             |      |        | 2483  | 132355 |
| E-42             |      |        | 1714  | 133124 |
| E-43             |      |        | 1052  | 133786 |
| E-44             |      |        | 441   | 134397 |
| E-44             | 2882 | 137279 |       |        |
| E-45             |      |        | 2118  | 135161 |
| E-46             |      |        | 1660  | 135619 |
| E-47             |      |        | 956   | 136323 |
| E-48             |      |        | 323   | 136956 |
| E-48             | 2260 | 139216 |       |        |
| E-49             |      |        | 1664  | 137552 |
| E-50             |      |        | 1093  | 138123 |
| E-51             |      |        | 455   | 138761 |
| E-51             | 2614 | 141375 |       |        |
| E-52             |      |        | 1990  | 139385 |
| E-52+19,427=PI-7 |      |        | 1349  | 140026 |
| E-53             |      |        | 1303  | 140072 |
| E-54             |      |        | 921   | 140454 |
| E-55             |      |        | 440   | 140835 |
| E-56             |      |        | 75    | 141300 |
| E-56             | 2985 | 144285 |       |        |
| E-57             |      |        | 2518  | 141767 |
| E-58             |      |        | 2359  | 141926 |
| E-59             |      |        | 1892  | 142393 |
| E-60             |      |        | 1235  | 143060 |
| E-61             |      |        | 1013  | 143272 |
| E-61+10,895=PI-8 |      |        | 895   | 143390 |
| E-62             |      |        | 861   | 143424 |
| E-63             |      |        | 912   | 143373 |
| E-64             |      |        | 1189  | 143086 |
| E-65             |      |        | 1368  | 142917 |
| E-66             |      |        | 1515  | 142770 |
| E-66             | 355  | 143125 |       |        |
| E-67             |      |        | 613   | 142512 |
| E-68             |      |        | 902   | 142223 |
| E-69             |      |        | 1160  | 141965 |
| E-70             |      |        | 1571  | 141554 |
| E-71             |      |        | 1930  | 141185 |
| E-72             |      |        | 2428  | 140897 |
| E-73             |      |        | 2985  | 140140 |

| PONTO             | RE   | PLANO  | VANTE | COTA   |
|-------------------|------|--------|-------|--------|
| E-73+5,770=PI-9   |      |        | 3110  | 140015 |
| E-74              |      |        | 3542  | 139583 |
| E-74              | 305  | 139888 |       |        |
| E-75              |      |        | 774   | 139114 |
| E-76              |      |        | 1247  | 138641 |
| E-77              |      |        | 1838  | 138050 |
| E-78              |      |        | 2242  | 137646 |
| E-79              |      |        | 2678  | 137210 |
| E-80              |      |        | 3001  | 136887 |
| E-81              |      |        | 3425  | 136463 |
| E-82              |      |        | 3743  | 136145 |
| E-82              | 1549 | 137694 |       |        |
| E-83              |      |        | 1189  | 136505 |
| E-84              |      |        | 977   | 136717 |
| E-84+11.163=PI-10 |      |        | 1151  | 136543 |
| E-85              |      |        | 1178  | 136516 |
| E-86              |      |        | 1230  | 136464 |
| E-87              |      |        | 1258  | 136436 |
| E-88              |      |        | 1311  | 136383 |
| E-89              |      |        | 1139  | 136555 |
| E-90              |      |        | 1058  | 136636 |
| E-91              |      |        | 801   | 136893 |
| E-92              |      |        | 726   | 136968 |
| E-93              |      |        | 434   | 137260 |
| E-93              | 2663 | 139923 |       |        |
| E-93+7,499=PI-11  |      |        | 2611  | 137312 |
| E-94              |      |        | 2437  | 137486 |
| E-95              |      |        | 1569  | 138354 |
| E-96              |      |        | 1385  | 138638 |
| E-97              |      |        | 885   | 139038 |
| E-98              |      |        | 609   | 139314 |
| E-98+11,125=PI-12 |      |        | 489   | 139434 |
| E-99              |      |        | 301   | 139822 |
| E-100             |      |        | 292   | 139831 |
| E-101             |      |        | 540   | 139383 |
| E-102             |      |        | 749   | 139174 |
| E-102             | 1558 | 140732 |       |        |
| E-103             |      |        | 1739  | 138983 |
| E-104             |      |        | 1743  | 138989 |
| E-105             |      |        | 1573  | 139159 |
| E-106             |      |        | 1391  | 139341 |
| E-107             |      |        | 1602  | 139130 |
| E-108             |      |        | 1346  | 139386 |
| E-109             |      |        | 952   | 139780 |
| E-110             |      |        | 899   | 139833 |
| E-111             |      |        | 656   | 140076 |
| E-112             |      |        | 241   | 140491 |
| E-112             | 3780 | 144271 |       |        |
| E-113             |      |        | 3117  | 141154 |
| E-114             |      |        | 2430  | 141841 |
| E-115             |      |        | 1840  | 142431 |
| E-116             |      |        | 1738  | 142533 |
| E-117             |      |        | 864   | 143407 |
| E-118             |      |        | 550   | 143721 |
| E-119             |      |        | 194   | 144077 |

| PONTO              | RE   | PLANO  | VANTE | COTA   |
|--------------------|------|--------|-------|--------|
| E-119              | 3119 | 147198 |       |        |
| E-120              |      |        | 2759  | 144437 |
| E-120+19,151=PI-13 |      |        | 2198  | 144998 |
| E-121              |      |        | 2174  | 145022 |
| E-122              |      |        | 1639  | 145557 |
| E-123              |      |        | 1298  | 145898 |
| E-124              |      |        | 986   | 146210 |
| E-125              |      |        | 185   | 147011 |
| E-126              |      |        | 42    | 147154 |
| E-126              | 3027 | 150181 |       |        |
| E-127              |      |        | 2709  | 147472 |
| E-128              |      |        | 2359  | 147822 |
| E-129              |      |        | 1812  | 148389 |
| E-130              |      |        | 1529  | 148652 |
| E-131              |      |        | 1087  | 149094 |
| E-132              |      |        | 932   | 149249 |
| E-133              |      |        | 489   | 149692 |
| E-133              | 3113 | 152805 |       |        |
| E-134              |      |        | 2608  | 150197 |
| E-135              |      |        | 1960  | 150845 |
| E-136              |      |        | 1326  | 151479 |
| E-137              |      |        | 1151  | 151654 |
| E-138              |      |        | 839   | 151986 |
| E-139              |      |        | 473   | 152332 |
| E-140              |      |        | 324   | 152481 |
| E-140              | 2049 | 154530 |       |        |
| E-141              |      |        | 1627  | 152903 |
| E-141+1,883=PI-14  |      |        | 1821  | 152709 |
| E-142              |      |        | 1784  | 152746 |
| E-143              |      |        | 1427  | 153103 |
| E-144              |      |        | 1423  | 153107 |
| E-145              |      |        | 1282  | 153248 |
| E-146              |      |        | 1126  | 153404 |
| E-147              |      |        | 950   | 153580 |
| E-148              |      |        | 801   | 153729 |
| E-149              |      |        | 933   | 153597 |
| E-150=PI=15        |      |        | 731   | 153799 |
| E-151              |      |        | 1017  | 153513 |
| E-151              | 983  | 154496 |       |        |
| E-152              |      |        | 891   | 153605 |
| E-153              |      |        | 892   | 153604 |
| E-154              |      |        | 1064  | 153432 |
| E-155              |      |        | 1392  | 153104 |
| E-155+18,00=PI-16  |      |        | 1662  | 152834 |
| E-156              |      |        | 1668  | 152828 |
| E-157              |      |        | 1981  | 152515 |
| E-158              |      |        | 2501  | 151995 |
| E-159              |      |        | 2787  | 151709 |
| E-160              |      |        | 3236  | 151260 |
| E-160              | 293  | 151553 |       |        |
| E-161              |      |        | 491   | 151082 |
| E-162              |      |        | 1091  | 150482 |
| E-163              |      |        | 1536  | 150017 |
| E-164              |      |        | 1465  | 150088 |
| E-165              |      |        | 1610  | 149943 |

| PONTO              | RE   | PLANO  | VANTE | COTA   |
|--------------------|------|--------|-------|--------|
| E-166              |      |        | 1908  | 149845 |
| E-167              |      |        | 3634  | 147919 |
| E-167              | 1900 | 149819 |       |        |
| E-168              |      |        | 1883  | 147936 |
| E-169              |      |        | 3078  | 146741 |
| E-169+16,453=PI-17 |      |        | 2318  | 147501 |
| E-170              |      |        | 2099  | 147720 |
| E-171              |      |        | 1066  | 148753 |
| E-172              |      |        | 981   | 148838 |
| E-173              |      |        | 66    | 149753 |
| E-173              | 2395 | 152148 |       |        |
| E-174              |      |        | 1461  | 150687 |
| E-175              |      |        | 1030  | 151118 |
| E-176              |      |        | 1104  | 151044 |
| E-176+5,511=PI-18  |      |        | 1466  | 150682 |
| E-177              |      |        | 2371  | 149777 |
| E-178              |      |        | 1963  | 150185 |
| E-179              |      |        | 1519  | 150629 |
| E-180              |      |        | 201   | 151947 |
| E-180              | 3924 | 155871 |       |        |
| E-181              |      |        | 3422  | 152449 |
| E-182              |      |        | 2790  | 153081 |
| E-183              |      |        | 2264  | 153807 |
| E-184              |      |        | 1431  | 154440 |
| E-185              |      |        | 1003  | 154868 |
| E-186              |      |        | 506   | 155365 |
| E-187              |      |        | 80    | 155791 |
| E-187              | 3969 | 159760 |       |        |
| E-188              |      |        | 3110  | 156650 |
| E-189              |      |        | 2722  | 157038 |
| E-190              |      |        | 2115  | 157645 |
| E-191              |      |        | 1604  | 158158 |
| E-192              |      |        | 633   | 159127 |
| E-192              | 3509 | 162636 |       |        |
| E-193              |      |        | 2830  | 159806 |
| E-194              |      |        | 2532  | 160104 |
| E-195              |      |        | 1790  | 160846 |
| E-195+ =PI-19      |      |        | 1542  | 161094 |
| E-196              |      |        | 1496  | 161140 |
| E-197              |      |        | 619   | 162017 |
| E-198              |      |        | 396   | 162240 |
| E-198              | 3790 | 166030 |       |        |
| E-199              |      |        | 2991  | 163039 |
| E-200              |      |        | 2459  | 163571 |
| E-201              |      |        | 1854  | 164176 |
| E-202              |      |        | 1474  | 164556 |
| E-203              |      |        | 1317  | 164713 |
| E-203+14,193=PI-21 |      |        | 878   | 165152 |
| E-204              |      |        | 926   | 165104 |
| E-205              |      |        | 1124  | 164906 |
| E-206              |      |        | 1255  | 164775 |
| E-207              |      |        | 1238  | 164792 |
| E-207              | 1578 | 166370 |       |        |
| E-208              |      |        | 1872  | 164498 |
| E-209              |      |        | 2031  | 164339 |

| PONTO              | RE   | PLANO  | VANTE | COTA   |
|--------------------|------|--------|-------|--------|
| E-210              |      |        | 1837  | 164533 |
| E-211              |      |        | 1563  | 164807 |
| E-212              |      |        | 1470  | 164900 |
| E212+9,900=PI-22   |      |        | 1462  | 164908 |
| E212+9,900=PI-22   | 254  | 165162 |       |        |
| E-213              |      |        | 321   | 164841 |
| E-214              |      |        | 427   | 164735 |
| E-215              |      |        | 785   | 164377 |
| E-215+11,315=PI-23 |      |        | 1314  | 163848 |
| E-216              |      |        | 1494  | 163668 |
| E-217              |      |        | 1717  | 163445 |
| E-218              |      |        | 1770  | 163392 |
| E-219              |      |        | 1739  | 163423 |
| E-220              |      |        | 2232  | 162930 |
| E-221              |      |        | 2683  | 162479 |
| E-221              | 90   | 162569 |       |        |
| E-222              |      |        | 174   | 162395 |
| E-223              |      |        | 512   | 162057 |
| E-224              |      |        | 932   | 161637 |
| E-225              |      |        | 1403  | 161166 |
| E-226              |      |        | 1671  | 160898 |
| E-227              |      |        | 1617  | 160952 |
| E-228              |      |        | 1554  | 161015 |
| E-228+0,801=PI-24  |      |        | 1563  | 161006 |
| E-228+0,801=PI-24  | 2203 | 163209 |       |        |
| E-229              |      |        | 1870  | 161339 |
| E-230              |      |        | 1834  | 161375 |
| E-231              |      |        | 1572  | 161637 |
| E-232              |      |        | 1031  | 162178 |
| E-233              |      |        | 588   | 162621 |
| E-234              |      |        | 430   | 162779 |
| E-234              | 3230 |        |       |        |
| E-235              |      |        | 2581  | 160628 |
| E-236              |      |        | 2387  | 160622 |
| E-237              |      |        | 1732  | 161477 |
| E-238              |      |        | 1302  | 161907 |
| E-239              |      |        | 735   | 162474 |
| E-240              |      |        | 349   | 162660 |
| E-240+8,217=PI-25  |      |        | 446   | 162763 |
| E-240+8,217=PI-25  | 3461 | 166224 |       |        |
| E-241              |      |        | 3131  | 163093 |
| E-242              |      |        | 2858  | 163366 |
| E-243              |      |        | 2407  | 163817 |
| E-244              |      |        | 1724  | 164500 |
| E-245              |      |        | 1179  | 165045 |
| E-246              |      |        | 437   | 165787 |
| E-246              | 3694 | 169481 |       |        |
| E-247              |      |        | 3055  | 166426 |
| E-248              |      |        | 2394  | 167087 |
| E-249              |      |        | 1732  | 167749 |
| E-250              |      |        | 837   | 168644 |
| E-251              |      |        | 263   | 169218 |
| E-251              | 3075 | 172293 |       |        |
| E-252              |      |        | 2621  | 169672 |
| E-253              |      |        | 2089  | 170204 |

| PONTO              | RE  | PLANO  | VANTE | COTA   |
|--------------------|-----|--------|-------|--------|
| E-253+7,988=PI-28  |     |        | 1795  | 170498 |
| E-254              |     |        | 1690  | 170603 |
| E-255              |     |        | 1393  | 170900 |
| E-256              |     |        | 1261  | 171032 |
| E-257              |     |        | 1047  | 171246 |
| E-258              |     |        | 969   | 171324 |
| E-258+14,312=PI-27 |     |        | 1135  | 171158 |
| E-259              |     |        | 1217  | 171076 |
| E-260              |     |        | 1525  | 170768 |
| E-260              | 112 | 170880 |       |        |
| E-261              |     |        | 422   | 170458 |
| E-262              |     |        | 799   | 170081 |
| E-263              |     |        | 1041  | 169839 |
| E-264              |     |        | 1477  | 169403 |
| E-265              |     |        | 1645  | 169235 |
| E-266              |     |        | 2011  | 168889 |
| E-267              |     |        | 2200  | 168680 |
| E-268              |     |        | 2425  | 168455 |
| E-269              |     |        | 2568  | 168312 |
| E-270              |     |        | 2700  | 168180 |
| E-270              | 254 | 168434 |       |        |
| E-271              |     |        | 473   | 167961 |
| E-272              |     |        | 692   | 167742 |
| E-273              |     |        | 883   | 167551 |
| E-274              |     |        | 1175  | 167259 |
| E-275              |     |        | 1450  | 166984 |
| E-275+11,063=PI-28 |     |        | 1582  | 166872 |
| E-276              |     |        | 1856  | 166578 |
| E-277              |     |        | 2283  | 166151 |
| E-277              | 77  | 166228 |       |        |
| E-278              |     |        | 497   | 165731 |
| E-279              |     |        | 892   | 165336 |
| E-280              |     |        | 1564  | 164884 |
| E-281              |     |        | 1953  | 164275 |
| E-281              | 205 | 164480 |       |        |
| E-282              |     |        | 750   | 163730 |
| E-283              |     |        | 1478  | 163002 |
| E-284              |     |        | 2103  | 162377 |
| E-285              |     |        | 2722  | 161758 |
| E-286              |     |        | 3106  | 161374 |
| E-287              |     |        | 3789  | 160691 |
| E-287              | 121 | 160812 |       |        |
| E-288              |     |        | 549   | 160263 |
| E-289              |     |        | 1081  | 159731 |
| E-290              |     |        | 1480  | 159332 |
| E-291              |     |        | 2701  | 158111 |
| E-291+18,516=PI-29 |     |        | 2752  | 158060 |
| E-292              |     |        | 2939  | 157873 |
| E-292              | 335 | 158208 |       |        |
| E-293              |     |        | 508   | 157702 |
| E-294              |     |        | 904   | 157304 |
| E-295              |     |        | 1329  | 156879 |
| E-296              |     |        | 1971  | 156237 |
| E-297              |     |        | 2482  | 155726 |
| E-298              |     |        | 3002  | 155208 |

| PONTO              | RE   | PLANO  | VANTE | COTA   |
|--------------------|------|--------|-------|--------|
| E-299              |      |        | 3574  | 154634 |
| E-299              | 142  | 154776 |       |        |
| E-300              |      |        | 596   | 154180 |
| E-301              |      |        | 741   | 154035 |
| E-302              |      |        | 1320  | 153456 |
| E-303              |      |        | 1632  | 153144 |
| E-304              |      |        | 2267  | 152509 |
| E-305              |      |        | 3076  | 151700 |
| E-306              |      |        | 3306  | 151470 |
| E-307              |      |        | 3500  | 151276 |
| E-307              | 1016 | 152292 |       |        |
| E-308              |      |        | 1176  | 151116 |
| E-309              |      |        | 1365  | 150927 |
| E-310              |      |        | 1610  | 150682 |
| E-311              |      |        | 1533  | 150759 |
| E-311+18,051=PI-30 |      |        | 1562  | 150730 |
| E-312              |      |        | 1558  | 150734 |
| E-313              |      |        | 1508  | 150784 |
| E-314              |      |        | 1366  | 150926 |
| E-315              |      |        | 1120  | 151172 |
| E-316              |      |        | 1151  | 151141 |
| E-316              | 1460 | 152601 |       |        |
| E-317              |      |        | 1663  | 150938 |
| E-318              |      |        | 1324  | 151277 |
| E-319              |      |        | 1180  | 151421 |
| E-320              |      |        | 1560  | 151041 |
| E-321              |      |        | 2059  | 150542 |
| E-322=PI-31        |      |        | 1741  | 150860 |
| E-322=PI-31        | 1422 | 152282 |       |        |
| E-323              |      |        | 1254  | 151028 |
| E-323+10,024=PI-32 |      |        | 1688  | 150584 |
| E-324              |      |        | 1609  | 150673 |
| E-325              |      |        | 964   | 151318 |
| E-326              |      |        | 320   | 151962 |
| E-326              | 1795 | 153757 |       |        |
| E-327              |      |        | 1775  | 151982 |
| E-328              |      |        | 794   | 152963 |
| E-328              | 2651 | 155614 |       |        |
| E-329              |      |        | 1651  | 153983 |
| E-330              |      |        | 1156  | 154458 |
| E-331              |      |        | 722   | 154882 |
| E-332              |      |        | 172   | 155442 |
| E-332              | 3034 | 158476 |       |        |
| E-333              |      |        | 2288  | 156188 |
| E-334              |      |        | 1666  | 156810 |
| E-335              |      |        | 919   | 157557 |
| E-336              |      |        | 389   | 158087 |
| E-336              | 3208 | 161295 |       |        |
| E-337              |      |        | 2533  | 158762 |
| E-338              |      |        | 2121  | 159174 |
| E-339              |      |        | 1551  | 159744 |
| E-340              |      |        | 1228  | 160067 |
| E-341              |      |        | 999   | 160296 |
| E-342              |      |        | 947   | 160348 |
| E-342+7,736=PI-33  |      |        | 930   | 160365 |

| PONTO            | RE   | PLANO  | VANTE | COTA   |
|------------------|------|--------|-------|--------|
| E-343            |      |        | 794   | 160501 |
| E-344            |      |        | 778   | 160517 |
| E-344            | 1351 | 161868 |       |        |
| E-345=PI-34      |      |        | 1720  | 160148 |
| E-346            |      |        | 1548  | 160320 |
| E-347            |      |        | 1254  | 160614 |
| E-348+1,612=PI-0 |      |        | 640   | 161228 |
| E-348+1,612=PI-0 | 2736 | 163964 |       |        |
| E-0=PI-0         |      |        | 2412  | 161552 |
| E-1              |      |        | 2569  | 161395 |
| E-2              |      |        | 2233  | 161731 |
| E-3              |      |        | 892   | 163072 |
| E-3              | 3581 | 166653 |       |        |
| E-4              |      |        | 1206  | 165447 |
| E-4              | 2561 | 168008 |       |        |
| E-5              |      |        | 787   | 167221 |
| E=5+1,70=PI-1    |      |        | 765   | 167243 |
| E-6              |      |        | 2211  | 165797 |
| E-7              |      |        | 2880  | 165128 |
| E-8              |      |        | 2828  | 165180 |
| E-9              |      |        | 2918  | 165090 |
| E-10             |      |        | 2606  | 165402 |
| E-10             | 2365 | 167767 |       |        |
| E-11             |      |        | 2167  | 165600 |
| E-12             |      |        | 1729  | 166038 |
| E-12+15,01=PI-2  |      |        | 1202  | 166565 |
| E-13             |      |        | 1034  | 166733 |
| E-14             |      |        | 1094  | 166673 |
| E-15             |      |        | 1659  | 166108 |
| E-16             |      |        | 1604  | 166163 |
| E-17             |      |        | 1379  | 166388 |
| E-17             | 53   | 166441 |       |        |
| E-18             |      |        | 230   | 166211 |
| E-19             |      |        | 829   | 165612 |
| E-20             |      |        | 1515  | 164928 |
| E-20+7,94=PI-3   |      |        | 1940  | 164501 |
| E-21             |      |        | 2427  | 164014 |
| E-22             |      |        | 3259  | 163182 |
| E-23             |      |        | 3548  | 162893 |
| E-23             | 52   | 162845 |       |        |
| E-24             |      |        | 698   | 162247 |
| E-25             |      |        | 1344  | 161601 |
| E-26             |      |        | 1161  | 161784 |
| E-27             |      |        | 1281  | 161664 |
| E-28             |      |        | 1436  | 161509 |
| E-29             |      |        | 1254  | 161691 |
| E-30             |      |        | 1327  | 161618 |
| E-30+0,23=PI-4   |      |        | 1332  | 161613 |
| E-31             |      |        | 1407  | 161538 |
| E-31             | 1017 | 162555 |       |        |
| E-32             |      |        | 1071  | 161484 |
| E-33             |      |        | 1169  | 161386 |
| E-34             |      |        | 1311  | 161244 |
| E-35             |      |        | 1498  | 161057 |
| E-36             |      |        | 1515  | 161040 |

| PONTO          | RE   | PLANO  | VANTE | COTA   |
|----------------|------|--------|-------|--------|
| E-37           |      |        | 1651  | 160904 |
| E-38           |      |        | 1810  | 160745 |
| E-39           |      |        | 1972  | 160583 |
| E-39           | 597  | 161180 |       |        |
| E-40           |      |        | 802   | 160378 |
| E-41           |      |        | 1177  | 160003 |
| E-42           |      |        | 1322  | 159858 |
| E-43           |      |        | 1575  | 159605 |
| E-44           |      |        | 1845  | 159335 |
| E-44+3,66=PI-5 |      |        | 1811  | 159369 |
| E-45           |      |        | 1880  | 159300 |
| E-46           |      |        | 2250  | 158930 |
| E-47           |      |        | 2515  | 158665 |
| E-47           | 471  | 159136 |       |        |
| E-48           |      |        | 832   | 158304 |
| E-49           |      |        | 1099  | 158037 |
| E-50           |      |        | 1307  | 157829 |
| E-51           |      |        | 1538  | 157598 |
| E-52           |      |        | 1997  | 157139 |
| E-53           |      |        | 2231  | 156905 |
| E-54           |      |        | 2644  | 156492 |
| E-55           |      |        | 2980  | 156156 |
| E-55           | 525  | 156681 |       |        |
| E-56           |      |        | 792   | 155889 |
| E-57           |      |        | 1037  | 155644 |
| E-58           |      |        | 1191  | 155490 |
| E-59           |      |        | 1538  | 155143 |
| E-60           |      |        | 1649  | 155032 |
| E-61           |      |        | 1711  | 154970 |
| E-62           |      |        | 1838  | 154843 |
| E-63           |      |        | 3183  | 153498 |
| E-64           |      |        | 3270  | 153411 |
| E-64           | 1845 | 155256 |       |        |
| E-64+7,46=PI-6 |      |        | 1301  | 153955 |
| E-65           |      |        | 914   | 154342 |
| E-66           |      |        | 993   | 154263 |
| E-67           |      |        | 1124  | 154132 |
| E-68           |      |        | 1254  | 154002 |
| E-69           |      |        | 1610  | 153846 |
| E-70           |      |        | 1924  | 153332 |
| E-71           |      |        | 2096  | 153160 |
| E-72           |      |        | 1990  | 153266 |
| E-72+6,93=PI-7 |      |        | 2067  | 153189 |
| E-73           |      |        | 2225  | 153031 |
| E-73           | 1288 | 154319 |       |        |
| E-74           |      |        | 1143  | 153176 |
| E-75           |      |        | 1112  | 153207 |
| E-76           |      |        | 1166  | 153153 |
| E-77           |      |        | 1551  | 152768 |
| E-78           |      |        | 1475  | 152844 |
| E-79           |      |        | 2348  | 151971 |
| E-80           |      |        | 2262  | 152067 |
| E-81           |      |        | 1538  | 152781 |
| E-82           |      |        | 895   | 153424 |
| E-83           |      |        | 297   | 154022 |

| PONTO             | RE   | PLANO  | VANTE | COTA   |
|-------------------|------|--------|-------|--------|
| E-83              | 1279 | 155301 |       |        |
| E-84              |      |        | 1204  | 154097 |
| E-85              |      |        | 1763  | 153538 |
| E-86              |      |        | 1805  | 153496 |
| E-87              |      |        | 1812  | 153489 |
| E-88              |      |        | 988   | 154313 |
| E-89              |      |        | 1097  | 154204 |
| E-90              |      |        | 361   | 154940 |
| E-90              | 2680 | 157620 |       |        |
| E-90+13,89=PI-8   |      |        | 1945  | 155675 |
| E-91              |      |        | 1724  | 155886 |
| E-92              |      |        | 1541  | 156079 |
| E-93              |      |        | 1519  | 156101 |
| E-94              |      |        | 1267  | 156353 |
| E-95              |      |        | 1100  | 156520 |
| E-95+19,70=PI-9   |      |        | 1311  | 156309 |
| E-96              |      |        | 1299  | 156321 |
| E-97              |      |        | 3231  | 154389 |
| E-97              | 2347 | 156736 |       |        |
| E-98              |      |        | 2795  | 153941 |
| E-99              |      |        | 2965  | 153771 |
| E-100             |      |        | 2149  | 154587 |
| E-101             |      |        | 900   | 155836 |
| E-102             |      |        | 424   | 156312 |
| E-103             |      |        | 482   | 156254 |
| E-104             |      |        | 1215  | 155521 |
| E-105             |      |        | 1464  | 155272 |
| E-105+1,45=PI-10  |      |        | 1513  | 155223 |
| E-106             |      |        | 2152  | 154584 |
| E-107             |      |        | 2701  | 154035 |
| E-107             | 906  | 154941 |       |        |
| E-108             |      |        | 824   | 154117 |
| E-108+14,18=PI-11 |      |        | 1548  | 153393 |
| E-109             |      |        | 2279  | 152662 |
| E-110             |      |        | 1480  | 153461 |
| E-111             |      |        | 1222  | 153719 |
| E-111+1590=PI-12  |      |        | 1274  | 153667 |
| E-112             |      |        | 1549  | 153392 |
| E-113             |      |        | 2164  | 152777 |
| E-114             |      |        | 3323  | 151618 |
| E-115             |      |        | 2939  | 152002 |
| E-116             |      |        | 2209  | 152732 |
| E-117             |      |        | 2255  | 152686 |
| E-117             | 2161 | 154847 |       |        |
| E-118             |      |        | 1218  | 153629 |
| E-119             |      |        | 1078  | 153769 |
| E-120             |      |        | 992   | 153855 |
| E-121             |      |        | 1188  | 153659 |
| E-122             |      |        | 1553  | 153294 |
| E-123             |      |        | 1736  | 153111 |
| E-123+18,55=PI-13 |      |        | 2210  | 152637 |
| E-124             |      |        | 2216  | 152631 |
| E-125             |      |        | 2442  | 152405 |
| E-126             |      |        | 2630  | 152217 |
| E-126             | 738  | 152955 |       |        |

| PONTO             | RE   | PLANO  | VANTE | COTA   |
|-------------------|------|--------|-------|--------|
| E-127             |      |        | 961   | 151994 |
| E-128             |      |        | 1241  | 151714 |
| E-129             |      |        | 1456  | 151499 |
| E-130             |      |        | 1748  | 151207 |
| E-130+12,54=PI-14 |      |        | 1555  | 151400 |
| E-131             |      |        | 1278  | 151677 |
| E-132             |      |        | 1512  | 151443 |
| E-133             |      |        | 1163  | 151792 |
| E-133             | 2750 | 154542 |       |        |
| E-134             |      |        | 2488  | 152054 |
| E-135             |      |        | 2367  | 152175 |
| E-136             |      |        | 1921  | 152621 |
| E-137             |      |        | 1567  | 152975 |
| E-138             |      |        | 1221  | 153321 |
| E-139             |      |        | 875   | 153667 |
| E-140             |      |        | 581   | 153961 |
| E-140             | 2884 | 156845 |       |        |
| E-141             |      |        | 2701  | 154144 |
| E-142             |      |        | 2100  | 154745 |
| E-143             |      |        | 1644  | 155201 |
| E-143+11,52=PI-15 |      |        | 1068  | 155777 |
| E-144             |      |        | 1020  | 155825 |
| E-145             |      |        | 1005  | 155840 |
| E-146             |      |        | 519   | 156326 |
| E-147             |      |        | 58    | 156787 |
| E-147             | 2439 | 159226 |       |        |
| E-148             |      |        | 2086  | 157140 |
| E-149             |      |        | 1842  | 157384 |
| E-150             |      |        | 1583  | 157643 |
| E-151             |      |        | 1385  | 157841 |
| E-152             |      |        | 1205  | 158021 |
| E-153             |      |        | 1273  | 157953 |
| E-153+2,03=PI-16  |      |        | 1211  | 158015 |
| E-154             |      |        | 1315  | 157911 |
| E-155             |      |        | 1410  | 157816 |
| E-156             |      |        | 1480  | 157746 |
| E-156             | 575  | 158321 |       |        |
| E-157             |      |        | 637   | 157684 |
| E-158             |      |        | 799   | 157522 |
| E-158+14,36=PI-17 |      |        | 695   | 157626 |
| E-159             |      |        | 1072  | 157249 |
| E-160             |      |        | 1331  | 156990 |
| E-161             |      |        | 1599  | 156722 |
| E-162             |      |        | 1838  | 156483 |
| E-163             |      |        | 2185  | 156136 |
| E-164             |      |        | 2420  | 155901 |
| E-165             |      |        | 2670  | 155651 |
| E-165             | 221  | 155872 |       |        |
| E-166             |      |        | 547   | 155325 |
| E-167             |      |        | 859   | 155013 |
| E-168             |      |        | 1035  | 154837 |
| E-169             |      |        | 1251  | 154621 |
| E-169+2,84=PI-18  |      |        | 1260  | 154612 |
| E-170             |      |        | 1546  | 154326 |
| E-171             |      |        | 2019  | 153853 |

| PONTO             | RE   | PLANO  | VANTE | COTA   |
|-------------------|------|--------|-------|--------|
| E-172             |      |        | 22028 | 133844 |
| E-173             |      |        | 2230  | 153642 |
| E-174             |      |        | 2467  | 153405 |
| E-175             |      |        | 2638  | 153234 |
| E-175             | 712  | 153946 |       |        |
| E-176             |      |        | 810   | 153136 |
| E-177             |      |        | 995   | 152951 |
| E-178             |      |        | 1099  | 152847 |
| E-179             |      |        | 1171  | 152775 |
| E-179+6.37=PI-19  |      |        | 1210  | 152736 |
| E-180             |      |        | 1255  | 152691 |
| E-181             |      |        | 1505  | 152441 |
| E-182             |      |        | 1831  | 152115 |
| E-183             |      |        | 2041  | 151905 |
| E-184             |      |        | 2334  | 151612 |
| E-185             |      |        | 2598  | 151348 |
| E-185             | 637  | 151985 |       |        |
| E-185+14.77=PI-20 |      |        | 764   | 151221 |
| E-186             |      |        | 700   | 151285 |
| E-187             |      |        | 1078  | 150907 |
| E-188             |      |        | 1452  | 150533 |
| E-189             |      |        | 1774  | 150211 |
| E-190             |      |        | 2279  | 149706 |
| E-191             |      |        | 2707  | 149278 |
| E-191+16.71=PI-21 |      |        | 3258  | 148727 |
| E-192             |      |        | 3174  | 148811 |
| E-192             | 911  | 149722 |       |        |
| E-193             |      |        | 1741  | 147981 |
| E-194             |      |        | 1317  | 148405 |
| E-195             |      |        | 1872  | 147850 |
| E-195+9.73=PI-22  |      |        | 1512  | 148210 |
| E-196             |      |        | 1617  | 148105 |
| E-197             |      |        | 1456  | 148266 |
| E-198             |      |        | 1588  | 148134 |
| E-198+7.65=PI-23  |      |        | 1860  | 147862 |
| E-199             |      |        | 1551  | 148171 |
| E-199             | 1446 | 149617 |       |        |
| E-200             |      |        | 1640  | 147977 |
| E-201             |      |        | 1417  | 148200 |
| E-201+2.09=PI-24  |      |        | 1599  | 148018 |
| E-202             |      |        | 1238  | 148379 |
| E-203             |      |        | 1268  | 148349 |
| E-204             |      |        | 1555  | 148062 |
| E-205             |      |        | 1541  | 148076 |
| E-206             |      |        | 1348  | 148269 |
| E-207             |      |        | 1263  | 148354 |
| E-207             | 1249 | 149603 |       |        |
| E-208             |      |        | 1030  | 148573 |
| E-209             |      |        | 921   | 148682 |
| E-210             |      |        | 966   | 148637 |
| E-211             |      |        | 942   | 148661 |
| E-212             |      |        | 860   | 148743 |
| E-213             |      |        | 1300  | 148303 |
| E-214             |      |        | 1375  | 148228 |
| E-215             |      |        | 1019  | 148584 |

| PONTO             | RE   | PLANO  | VANTE | COTA   |
|-------------------|------|--------|-------|--------|
| E-216             |      |        | 880   | 148723 |
| E-217             |      |        | 1053  | 148550 |
| E-217             | 2235 | 150785 |       |        |
| E-218             |      |        | 2014  | 148771 |
| E-219             |      |        | 1918  | 148867 |
| E-220             |      |        | 1603  | 149182 |
| E-221             |      |        | 1285  | 149500 |
| E-222             |      |        | 1026  | 149759 |
| E-223             |      |        | 484   | 150301 |
| E-224             |      |        | 668   | 150117 |
| E-225             |      |        | 698   | 150087 |
| E-226             |      |        | 549   | 150236 |
| E-226             | 2175 | 152411 |       |        |
| E-227             |      |        | 2001  | 150410 |
| E-228             |      |        | 1160  | 151251 |
| E-229             |      |        | 1011  | 151400 |
| E-229+15,47=PI-25 |      |        | 1001  | 151410 |
| E-230             |      |        | 1368  | 151043 |
| E-231             |      |        | 812   | 151599 |
| E-232             |      |        | 813   | 151598 |
| E-233             |      |        | 321   | 152090 |
| E-233             | 2460 |        |       |        |
| E-234             |      |        | 1990  | 150421 |
| E-235             |      |        | 1622  | 150789 |
| E-235+1090=PI-26  |      |        | 1599  | 150812 |
| E-236             |      |        | 1885  | 150526 |
| E-237             |      |        | 1871  | 150540 |
| E-238             |      |        | 1268  | 151143 |
| E-239             |      |        | 756   | 151655 |
| E-240             |      |        | 889   | 151522 |
| E-240+11,21=PI-27 |      |        | 220   | 152191 |
| E-240+11,21=PI-27 | 2030 | 154221 |       |        |
| E-241             |      |        | 2008  | 152213 |
| E-242             |      |        | 1855  | 152366 |
| E-243             |      |        | 1975  | 152246 |
| E-244             |      |        | 1557  | 152664 |
| E-245             |      |        | 1382  | 152839 |
| E-246             |      |        | 1083  | 153138 |
| E-247             |      |        | 339   | 153882 |
| E-248             |      |        | 219   | 154002 |
| E-248             | 2357 | 156359 |       |        |
| E-249             |      |        | 1878  | 154481 |
| E-249+13,71=PI-28 |      |        | 1751  | 154608 |
| E-250             |      |        | 1659  | 154700 |
| E-251             |      |        | 1543  | 154816 |
| E-252             |      |        | 1091  | 155268 |
| E-253             |      |        | 1052  | 155307 |
| E-254             |      |        | 887   | 155472 |
| E-255             |      |        | 625   | 155734 |
| E-256             |      |        | 400   | 155959 |
| E-257             |      |        | 39    | 156320 |
| E-257             | 3690 | 160010 |       |        |
| E-258             |      |        | 3323  | 156687 |
| E-259             |      |        | 2610  | 157400 |
| E-260             |      |        | 2281  | 157729 |

| PONTO             | RE   | PLANO  | VANTE | COTA   |
|-------------------|------|--------|-------|--------|
| E-261             |      |        | 2052  | 157958 |
| E-262             |      |        | 1588  | 158422 |
| E-263             |      |        | 1404  | 158606 |
| E-264             |      |        | 657   | 159353 |
| E-264             | 3855 | 163208 |       |        |
| E-265             |      |        | 3081  | 160127 |
| E-265+13,94=PI-29 |      |        | 2706  | 160502 |
| E-266             |      |        | 2560  | 160648 |
| E-267             |      |        | 1575  | 161633 |
| E-268             |      |        | 389   | 162819 |
| E-268             | 3868 | 166687 |       |        |
| E-269             |      |        | 2204  | 164483 |
| E-269             | 2945 | 167428 |       |        |
| E-270             |      |        | 688   | 166740 |
| E-270             | 3876 | 170616 |       |        |
| E-271             |      |        | 2412  | 168204 |
| E-271+8,25=PI-30  |      |        | 1865  | 168751 |
| E-272             |      |        | 1138  | 169478 |
| E-273             |      |        | 1637  | 169979 |
| E-274             |      |        | 1626  | 169990 |
| E-274+19,31=PI-31 |      |        | 788   | 169828 |
| E-274+19,31=PI-31 | 1308 | 171136 |       |        |
| E-275             |      |        | 1370  | 169766 |
| E-276             |      |        | 1882  | 169254 |
| E-277             |      |        | 2606  | 168530 |
| E-278             |      |        | 2748  | 168388 |
| E-279             |      |        | 2419  | 168717 |
| E-280             |      |        | 2484  | 168652 |
| E-281             |      |        | 2144  | 168992 |
| E-282             |      |        | 1048  | 170088 |
| E-282             | 2728 | 172816 |       |        |
| E-283             |      |        | 1241  | 171575 |
| E-284             |      |        | 480   | 172336 |
| E-284+15,51=PI-32 |      |        | 1136  | 171680 |
| E-285             |      |        | 1242  | 171574 |
| E-286             |      |        | 1544  | 171272 |
| E-287             |      |        | 2323  | 170493 |
| E-288             |      |        | 2888  | 169928 |
| E-289             |      |        | 3341  | 169475 |
| E-289             | 670  | 170145 |       |        |
| E-290             |      |        | 1190  | 168955 |
| E-290+15,63=PI-33 |      |        | 1873  | 168272 |
| E-291             |      |        | 1992  | 168153 |
| E-292             |      |        | 2384  | 167761 |
| E-293             |      |        | 2574  | 167571 |
| E-294             |      |        | 2867  | 167278 |
| E-295             |      |        | 3221  | 166924 |
| E-295             | 14   | 166938 |       |        |
| E-296             |      |        | 485   | 166453 |
| E-297             |      |        | 1428  | 165510 |
| E-298             |      |        | 1833  | 165105 |
| E-299             |      |        | 2214  | 164724 |
| E-300             |      |        | 2415  | 164523 |
| E-301             |      |        | 1804  | 165134 |
| E-301+19,64=PI-34 |      |        | 1536  | 165402 |

| PONTO             | RE   | PLANO  | VANTE | COTA   |
|-------------------|------|--------|-------|--------|
| E-302             |      |        | 1495  | 165443 |
| E-303             |      |        | 2243  | 164695 |
| E-303             | 928  | 165623 |       |        |
| E-304             |      |        | 10622 | 155001 |
| E-305             |      |        | 1346  | 164277 |
| E-306             |      |        | 1282  | 164341 |
| E-307             |      |        | 1632  | 163991 |
| E-308             |      |        | 1377  | 164246 |
| E-308+8,45=PI-35  |      |        | 1101  | 164522 |
| E-309             |      |        | 1154  | 164469 |
| E-310             |      |        | 2750  | 162873 |
| E-311             |      |        | 3789  | 161834 |
| E-311             | 158  | 161992 |       |        |
| E-312             |      |        | 1441  | 160551 |
| E-313             |      |        | 2450  | 159542 |
| E-314             |      |        | 2870  | 159122 |
| E-315             |      |        | 3786  | 158206 |
| E-315             | 1721 | 159927 |       |        |
| E-316             |      |        | 1950  | 157977 |
| E-317             |      |        | 1868  | 158059 |
| E-318             |      |        | 2191  | 157736 |
| E-319             |      |        | 2271  | 157656 |
| E-320             |      |        | 1822  | 158105 |
| E-321             |      |        | 999   | 158928 |
| E-322             |      |        | 279   | 159648 |
| E-322             | 3290 | 162938 |       |        |
| E-323             |      |        | 1778  | 161160 |
| E-324             |      |        | 570   | 162368 |
| E-324             | 3472 | 165840 |       |        |
| E-325             |      |        | 1947  | 163893 |
| E-325+14,70=PI-36 |      |        | 1466  | 164374 |
| E-326             |      |        | 1400  | 164440 |
| E-327             |      |        | 1397  | 164443 |
| E-328             |      |        | 1455  | 164385 |
| E-329             |      |        | 1648  | 164192 |
| E-330             |      |        | 1817  | 164023 |
| E-331             |      |        | 2215  | 163825 |
| E-332             |      |        | 2286  | 163554 |
| E-332             | 537  | 164091 |       |        |
| E-333             |      |        | 767   | 163324 |
| E-334             |      |        | 855   | 163236 |
| E-335             |      |        | 1217  | 162874 |
| E-336             |      |        | 1669  | 162422 |
| E-337             |      |        | 2064  | 162027 |
| E-337+11,32=PI-37 |      |        | 2283  | 161806 |
| E-338             |      |        | 2660  | 161431 |
| E-339             |      |        | 3634  | 160457 |
| E-339             | 259  | 160716 |       |        |
| E-340             |      |        | 1745  | 158971 |
| E-341             |      |        | 3238  | 157478 |
| E-341             | 320  | 157798 |       |        |
| E-342             |      |        | 2232  | 155566 |
| E-343             |      |        | 3965  | 153833 |
| E-343             | 90   | 153923 |       |        |
| E-344             |      |        | 1215  | 152708 |

| PONTO                     | RE   | PLANO  | VANTE | COTA   |
|---------------------------|------|--------|-------|--------|
| E-345                     |      |        | 2012  | 151911 |
| E-346                     |      |        | 2821  | 151102 |
| E-347                     |      |        | 3280  | 150643 |
| E-348                     |      |        | 3413  | 150510 |
| E-348                     | 980  |        |       |        |
| E-349                     |      |        | 1164  | 152759 |
| E-350                     |      |        | 1405  | 152518 |
| E-351                     |      |        | 2052  | 151871 |
| E-352                     |      |        | 2038  | 151885 |
| E-353                     |      |        | 1503  | 152420 |
| E-354                     |      |        | 67    | 153856 |
| E-354                     | 2987 | 156843 |       |        |
| E-355                     |      |        | 1730  | 155113 |
| E-356                     |      |        | 1055  | 155788 |
| E-356+8,43=PI-38          |      |        | 576   | 156267 |
| E-356+8,43=PI-38          | 2827 | 159094 |       |        |
| E-357                     |      |        | 2038  | 157056 |
| MARCO TELEBRAS 8/01/317   |      |        | 1311  | 157783 |
| E-357+3,97=PI-39          |      |        | 1865  | 157229 |
| E-358                     |      |        | 1986  | 157108 |
| E-359                     |      |        | 1543  | 157551 |
| E-360                     |      |        | 1535  | 157559 |
| E-361                     |      |        | 1543  | 157551 |
| E-362                     |      |        | 1485  | 157609 |
| E-362                     | 2216 | 159825 |       |        |
| E-363                     |      |        | 2113  | 157712 |
| E-364                     |      |        | 1778  | 158047 |
| E-365                     |      |        | 1448  | 158377 |
| E-366                     |      |        | 1428  | 158397 |
| E-367                     |      |        | 1464  | 158361 |
| E-368                     |      |        | 1468  | 158357 |
| E-369                     |      |        | 1499  | 158326 |
| E-370                     |      |        | 1510  | 158315 |
| E-370                     | 2449 | 160764 |       |        |
| E-371                     |      |        | 2339  | 158425 |
| E-372                     |      |        | 1879  | 158885 |
| E-373                     |      |        | 1599  | 159165 |
| E-374                     |      |        | 1588  | 159176 |
| E-374+10,8=PI-40          |      |        | 1148  | 159816 |
| E-375                     |      |        | 950   | 159814 |
| NDO DO BUEIRO 2 mts E-375 |      |        | 1012  | 159752 |
| E-376                     |      |        | 954   | 159810 |
| E-376                     | 2878 | 162688 |       |        |
| E-377                     |      |        | 2259  | 160429 |
| E-378                     |      |        | 2027  | 160861 |
| E-379                     |      |        | 1420  | 161268 |
| E-279+9,99=PI-41          |      |        | 1264  | 161424 |
| E-380                     |      |        | 937   | 161751 |
| E-381                     |      |        | 238   | 162450 |
| E-381                     | 2720 | 165170 |       |        |
| E-382                     |      |        | 2284  | 162886 |
| E-383                     |      |        | 1768  | 163402 |
| E-384                     |      |        | 1022  | 164148 |
| E-385                     |      |        | 254   | 164916 |
| E-385                     | 2786 | 167702 |       |        |

| PONTO             | RE   | PLANO  | VANTE | COTA   |
|-------------------|------|--------|-------|--------|
| E-386             |      |        | 2306  | 165396 |
| E-286+11.79=PI-42 |      |        | 1785  | 165917 |
| E-387             |      |        | 1503  | 166199 |
| E-388             |      |        | 599   | 167103 |
| E-388+8,75=PI-43  |      |        | 266   | 167436 |
| E-388+8,75=PI-43  | 1845 | 169281 |       |        |
| E-389             |      |        | 1566  | 167715 |
| E-390 POSTE       |      |        | 1379  | 167902 |
| PONTO IRRADIADO   |      |        | 2055  | 167226 |

**2.5- DESENHOS**