

Anotação de Responsabilidade Técnica - ART
Lei nº 6.496, de 7 de dezembro de 1977

CREA-DF

ART Obra ou serviço
0720140003532

Complementar à 0720130055003

Conselho Regional de Engenharia e Agronomia do Distrito Federal

1. Responsável Técnico
ADELCKE ROSSETTO FILHO
Título profissional: **Engenheiro Civil**

RNP: **0700834222**
Registro: **1726/D-DF**

Empresa contratada: **EXTREMA CONSTRUCAO LTDA-EPP** Registro: **5768-DF**

2. Dados do Contrato
Contratante: **COMPANHIA URBANIZADORA DA NOVA CAPITAL DO BRASIL - NOVACAP** CPF/CNPJ: **00.037.457/0001-70**
SETOR DE ÁREAS PÚBLICAS LOTE B Número: s/n Bairro: **GUARÁ** CEP: **70306-918**
Cidade: **BRASÍLIA** UF: **DF** Complemento:
E-Mail: **extrema@brturbo.com.br** Fone: **(61)34032740**
Contrato: **536/2010** Celebrado em: **10/05/2013** Valor Obra/Serviço R\$: **640.397,76**
Vinculada a ART: Tipo de contratante: **Pessoa Jurídica de Direito Público**
Ação institucional: **Nenhuma/Não Aplicável**

3. Dados da Obra/Serviço
LIGAÇÃO GUARÁ II (QE 32) AO NÚCLEO BANDEIRANTE Número: s/n Bairro: **GUARÁ II** CEP: **70306-000**
Cidade: **BRASÍLIA** UF: **DF** Complemento:
Data de Início: **04/09/2013** Previsão término: **31/01/2014** Coordenadas Geográficas: ,
Finalidade: **Infra-estrutura** Código/Obra pública:
Proprietário: **COMPANHIA URBANIZADORA DA NOVA CAPITAL DO BRASIL - NOVACAP** CPF/CNPJ: **00.037.457/0001-70**
E-Mail: **extrema@brturbo.com.br** Fone: **(61) 34032740**

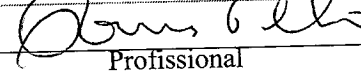
4. Atividade Técnica

	Quantidade	Unidade
Coordenação		
Projeto Sistema viário Urbano - Quantitativo e Orçamento	2.080,0000	metros quadrados
Execução Levantamento topográfico Cadastral	45,0000	hectare
Projeto SANEAMENTO, DRENAGEM PROFUNDA	22,0000	hectare
Projeto Obras de Artes Especiais - Ponte e Viadutos	2.080,0000	metros quadrados
Projeto Sistema Viário - Urbano	120.000,0000	metros quadrados
Projeto Sistema Viário - Geométrico planialtimétrico	120.000,0000	metros quadrados
Realização		
Orçamento Sistema viário Urbano - Quantitativo e Orçamento	2.080,0000	metros quadrados
Projeto Viadutos	2.080,0000	metros quadrados
Projeto Sistema Viário - Geométrico planialtimétrico	120.000,0000	metros quadrados
Estudo Estudos Geotécnicos - Fundação e Pavimento	120.000,0000	metros quadrados
Projeto Sistema Viário Urbano	120.000,0000	metros quadrados
Projeto Drenagem Profunda	22,0000	hectare
Execução Levantamento topográfico Cadastral	45,0000	hectare

Após a conclusão das atividades técnicas o profissional deverá proceder à baixa desta ART.

5. Observações
Termo de Adit. Contr. Empr. Obra Eng^a DU - ASJUR/PRES - I - Aditivo de Prazo

6. Declarações
Qualquer conflito ou litígio originado do presente contrato, bem como sua interpretação ou execução, será resolvido por arbitragem, de acordo com a Lei nº 9.307, de 23 de setembro de 1996, nos termos do respectivo regulamento de arbitragem que, expressamente, as partes declaram concordar.


Profissional

Contratante

Acessibilidade: Sim: Declaro atendimento às regras de acessibilidade, previstas nas normas técnicas da ABNT e no Decreto nº 5.296, de 2 de dezembro de 2004.

7. Entidade de Classe
SENGE-DF

8. Assinaturas
Declaro serem verdadeiras as informações acima

_____, ____ de ____ de ____

9. Informações
- A ART é válida somente quando quitada, mediante apresentação do comprovante de pagamento ou conferência no site do Crea.
- A autenticidade deste documento pode ser verificada no site: www.creadf.org.br
- A guarda da via assinada da ART será de responsabilidade do profissional e do contratante com o objetivo de documentar o vínculo contratual.





**Elaboração de Projetos executivos Viários de
Duplicação da Ligação QE32 Guará II ao
Núcleo Bandeirante – DF 075, com acessos à
Via EPVT/ SMPW Q3, Inclusive Passagens
Superiores Sobre a Estrada de Ferro no
Acesso à Via EPVT e Sobre a Pista Contorno
do Guará II (Q 32), e Ponte Sobre o Córrego
Vicente Pires**

T.P. 536/2010
ASJUR/PRES

DEZEMBRO/2010

**VOLUME II
TOMO I - V**

NOTAS:

00	DEZ/10	EMISSÃO INICIAL	MVS	ARN	ARF
REV.	DATA	NATUREZA DA REVISÃO	ELAB.	VERIF.	APROV.
 Extrema Construção Ltda					
SERVIÇO: Elaboração de Projetos executivos Viários de Duplicação da Ligação QE32 Guará II ao Núcleo Bandeirante – DF 075, com acessos à Via EPVT/ SMPW Q3, Inclusive Passagens Superiores Sobre a Estrada de Ferro no Acesso à Via EPVT e Sobre a Pista Contorno do Guará II (Q 32), e Ponte Sobre o Córrego Vicente Pires					
FASE: 1ª MEDIÇÃO					
TÍTULO DO DOCUMENTO: VOLUME II – TOMO II-VI – LEVANTAMENTO CADASTRAL TOPOGRÁFICO					
NÚMERO DO CLIENTE: 536-10_NVP		REVISÃO:	NÚMERO DO DOCUMENTO: NVP-536-10-TOP-M01		REVISÃO: 00
ELAB. MVS	VERIF. ARN	APROV. ARF	R. TEC.: ARF	CREA Nº 1726/D-DF	
C/C: CONTRATO Nº 536/2010		DATA: DEZEMBRO / 2010	PÁGINA: 1	DE: 14	

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1. INTRODUÇÃO

Este relatório técnico tem a finalidade de apresentar os resultados dos serviços topográficos realizados na Via de Ligação Guará / Núcleo Bandeirante, que tem seu início na Via de Contorno do Guará II entre o Pólo de Moda e a QE 38 e finalizando na DF-075 (EPNB), sendo executado pela empresa Extrema Construção Ltda.

Os serviços contratados foram executados, no campo, no período de 15/11/2010 a 04/12/2010, de acordo com os elementos técnicos fornecidos pela NOVACAP, através do Edital de TP 029/2009.

2. EQUIPES E EQUIPAMENTOS UTILIZADOS

2.1 Equipes de Campo

Uma equipe de escritório realizou a coordenação, o acompanhamento, a análise dos dados e a elaboração de cálculos, desenhos e relatórios. Os trabalhos de campo foram executados no período de 15 de novembro a 4 de dezembro de 2010, e foram utilizadas: duas equipes de topografia que executaram as poligonais de levantamento planialtimétrico cadastral, o nivelamento geométrico e uma outra equipe para o rastreamento de satélites por GPS. Diariamente transmitiam os dados levantados para os computadores da empresa, para o correspondente processamento.

Cada equipe de topografia, equipada com estação total de 1", com coletor eletrônico de dados, compostas por um topógrafo e 3 auxiliares, sendo utilizado dois veículos utilitários, para atendê-las.

2.2 Equipamentos Utilizados

- um par de receptores GPS TOPCON - HIPER;
- um nível automático Geodetic, modelo DSZ2;
- duas estações totais, sendo uma LEICA, modelo TCR407, com leitura direta de 1" e coletor interno de dados.

Nos cálculos e na elaboração dos desenhos, foram utilizados os seguintes equipamentos e softwares principais:

- 1 microcomputadores Pentium IV 2,4 Ghz, com 2 Gb de memória RAM;
- 1 microcomputadores Pentium IV 3,0 Ghz, com 4 Gb de memória RAM;
- 1 plotter HP designjet 500;
- Sistema TopoGRAPH;
- AutoCad for Windows, versão 2000; e
- outros softwares e aplicativos do Microsoft OFFICE.

3. VÉRTICES GEODÉSICOS UTILIZADOS

Após o reconhecimento dos pontos existentes, optou-se pela utilização do Vértice planialtimétrico **DF-3**, ponto da rede oficial do Distrito Federal, localizado no canteiro central da Via EPIA em frente a Rodo-ferroviária.

O Nivelamento Geométrico foi executado a partir do RN-148, também da rede oficial do Distrito Federal, localizado junto a antiga Estação Ferroviária Bernardo Sayão, para os pontos de apoio básico, denominados **G1, G2, G3 e G4**.

3.1 Pontos de Apoio Planialtimétricos

Vértices Existentes Utilizados no Apoio

Datum Astro Chuá - MC 45° WGr.

PONTO	COORDENADAS UTM (SICAD)		ALTITUDE ORTOMÉTRICA
	NORTE	ESTE	
DF-3	8.253.639,027	185.104,641	1.124,256
G1	8.245.766,640	181.201,112	1.074,849
G2	8.245.552,028	181.243,287	1.072,449
G3	8.243.573,007	181.553,263	1.047,091
G4	8.243.546,899	181.893,173	1.042,426

3.2 Nivelamento Geométrico

Observação

O Nivelamento Geométrico foi executado a partir do Vértice **RN-148**, para os pontos de apoio básico, denominados G1, G2, G3 e G4, utilizado também para checagem das poligonais, conforme as tabelas a seguir:

3.2.1 – Nivelamento Geométrico do trecho RN-148 a G1

EXTREMA CONSTRUÇÃO LTDA.							
Obra: VIA DE LIGAÇÃO GUARÁ / N. BANDEIRANTE						Nivelador: MARCOS	
Local: GUARÁ						Data: 02/11/2010	
RESUMO DO NIVELAMENTO GEOMÉTRICO							
ESTACA	DISTÂNCIA	NIVELAMENTO	CONTRA NIVELAMENTO	DIVERG. PARCIAL	DIVERG. ACUMULADA	MÉDIA	COTA
RN-148							1.053,323
	200,00	-9,278	9,275	-0,003	-0,003	-9,276	
M6							1.044,047
	220,00	-7,551	7,551	0,000	-0,003	-7,551	
M5							1.036,496
	322,00	3,766	-3,770	-0,004	-0,007	3,768	
M4							1.040,264
	135,00	5,175	-5,173	0,002	-0,005	5,174	
M3							1.045,438
	465,00	19,501	-19,504	-0,003	-0,008	19,503	
M1							1.064,940
	280,00	7,510	-7,508	0,002	-0,006	7,509	
G2							1.072,449
	219,00	2,398	-2,402	-0,004	-0,010	2,400	
G1							1.074,849

DIST. TOTAL	NIVEL.	C. NIVEL.	TOLERÂNCIA	DIVERGÊNCIA TOTAL	MÉDIA
1.841,00	21,521	-21,531	0,011	-0,010	21,526

3.2.2 – Nivelamento Geométrico do trecho RN-148 a G4

EXTREMA CONSTRUÇÃO LTDA.							
Obra: VIA DE LIGAÇÃO GUARÁ / N. BANDEIRANTE						Nivelador: MARCOS	
Local: GUARÁ						Data: 02/11/2010	
RESUMO DO NIVELAMENTO GEOMÉTRICO							
ESTACA	DISTÂNCIA	NIVELAMENTO	CONTRA NIVELAMENTO	DIVERG. PARCIAL	DIVERG. ACUMULADA	MÉDIA	COTA
RN-148							1.053,323
	207,00	-0,105	0,106	0,001	0,001	-0,106	
M8							1.053,218
	378,00	-2,164	2,157	-0,007	-0,006	-2,160	
M9							1.051,057
	263,00	2,281	-2,280	0,001	-0,005	2,281	
M10							1.053,338
	350,00	-6,245	6,248	0,003	-0,002	-6,246	
G3							1.047,091
	340,00	-4,664	4,667	0,003	0,001	-4,665	
G4							1.042,426

DIST. TOTAL	NIVEL.	C. NIVEL.	TOLERÂNCIA	DIVERGÊNCIA TOTAL	MÉDIA
1.538,00	-10,897	10,898	0,010	0,001	-10,897

4. EXECUÇÃO DOS TRABALHOS DE CAMPO

4.1 Apoio Básico

4.1.1 Transporte de Coordenadas Planimétricas, por GPS

Foi utilizado o Vértice **DF-3**, ponto da rede oficial do Distrito Federal, localizado no canteiro central da Via EPIA em frente a Rodo-ferroviária, para o transporte de coordenadas e cotas por GPS, a partir daí foram implantados 4 (quatro) pontos de apoio básico junto ao trecho a ser levantado, sendo dois no início e dois no final da área a ser levantada, denominados **G1, G2, G3 e G4**. Pontos esses materializados com pinos de aço no Asfalto, e colocados de forma a ficarem inter-visíveis, pelo menos a cada dois.

4.1.2 Nivelamento Geométrico

O nivelamento também teve como origem o Vértice **RN-148**, a partir daí foi executado o transporte de cotas para os pontos de apoio básico, denominados **G1, G2, G3 e G4**, usado também para checagem das cotas dos pontos de poligonais.

Ao longo do caminhamento do nivelamento geométrico foram utilizado pontos de poligonal como pontos de segurança e entre esses pontos, foram utilizadas sapatas metálicas móveis de forma a garantir uma boa precisão nas leituras das miras.

4.2 Levantamento Topográfico

Com base nos citados pontos de apoio básico implantados, localizados ao lado da área dos trabalhos, foram feitas poligonais eletrônicas para o levantamento planialtimétrico cadastral, conforme a programação, utilizando estação total com leitura direta de 1" e coletor eletrônico de dados.

As poligonais eletrônicas tiveram como ponto de partida e de chegada os vértices de densificação do apoio, implantados dentro da área a ser levantada, apresentados na tabela acima, a partir dos pontos dessas poligonais realizou-se o levantamento planialtimétrico cadastral. Os pontos medidos das seções transversais ao longo da área, cadastro de locais característicos do terreno, dos obstáculos e pontos de interesse para a elaboração do projeto foram feitos por meio de irradiações. O levantamento topográfico buscou melhor caracterizar a topografia e mostrar com fidelidade a configuração atual do terreno, formando uma grande densidade de pontos, possibilitando uma excelente definição das curvas de níveis da área do levantamento.

As poligonais de medição tiveram desenvolvimento ao longo das vias, sempre partindo e chegando aos vértices de apoio, sendo materializados por piquetes em madeira. As medidas de distâncias foram feitas eletronicamente, em cada estação, com visadas a vante e a ré em conjunto com prismas refletores. As medidas angulares foram obtidas pelo método das direções, nas posições, direta e invertida.

5. EXECUÇÃO DOS TRABALHOS DE ESCRITÓRIO

5.1 Processamento dos Dados

Os trabalhos de escritório, em geral executados com a utilização de softwares, compreenderam: o planejamento e o acompanhamento dos serviços; a recepção dos dados de campo; a análise das medições e dos croquis de campo; o processamento das determinações por GPS; o cálculo das poligonais de apoio e levantamento; e a elaboração de desenhos e relatório.

No cálculo de todos os levantamentos, foram verificadas as precisões tanto planimétrica (angular e linear) como altimétrica, atendendo-se às tolerâncias de fechamento, conforme a Norma Técnica para levantamentos topográficos NBR-13.133 e Norma Técnica INTC nº. 2/98.

Todos os cálculos foram efetuados de forma digital, utilizando softwares de processamento topográfico (*Topograph for Windows*), sem qualquer digitação de dados, já que as observações de campo eram sempre armazenadas de forma digital, evitando-se anotações em cadernetas de campo, minimizando, assim, a possibilidade de erros.

As coordenadas planimétricas (referidas ao Datum Astro Chuá e Meridiano Central de 45° WGr.) e a altitude (referida ao Datum Imbituba) de todos os pontos de interesse, implantados na área.

5.2 Elaboração dos Desenhos

Após os cálculos, procedeu-se à elaboração dos desenhos topográficos necessários à perfeita compreensão dos dados levantados.

Para o desenho das plantas topográficas, os dados de processamento, compreendidos pelas coordenadas norte, este e altitude de cada ponto, foram lidas pelo módulo gráfico do sistema *Topograph*, e posteriormente as curvas de nível foram interpoladas automaticamente, mediante a geração do *Modelo Digital do Terreno* (MDT).



6. MONOGRAFIA DOS MARCOS DE APOIO BÁSICO

MONOGRAFIA DE VÉRTICE IMPLANTADO



NOVACAP
COMPANHIA URBANIZADORA DA
NOVA CAPITAL DO BRASIL

NOVACAP

MARCO: G1

OBRA: LEV. PLANIALT. CADASTRAL - VIA DE LIGAÇÃO GUARÁ/BANDEIRANTE
OBJETO: DUPLICAÇÃO DE PISTA
ESTADO: DISTRITO FEDERAL - DF
LOCAL: GUARÁ / NÚCLEO BANDEIRANTE

DATA: dez/10
MUNIC.: BRASÍLIA
TRECHO: GUARÁ

ESTAÇÃO:
N(Y) = 8.245.766,640
E(X) = 181.201,112
H(Z) = 1.075,035
SISTEMA UTM

DESCRIMINAÇÃO: PINO DE AÇO CHUMBADO NO ASFALTO



MARCOS DE REFERÊNCIA

RÉ: **G2** Az: 168° 52' 55"
VANTE: Az:
MIRA: Az
Zenite

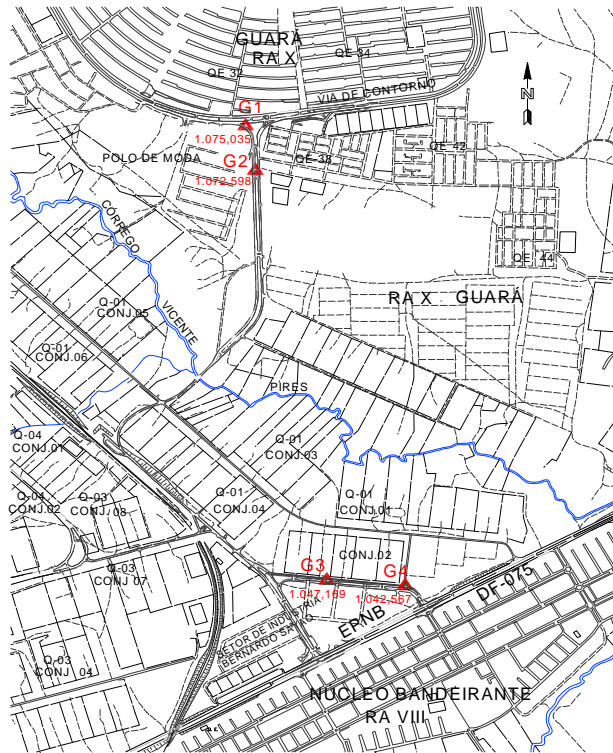
VÉRTICE DE ORIGEM: **DF-3**
DATUM HORIZONTAL: ASTRO CHUÁ (MG)
DATUM Vertical: IMBITUBA (SC)

INTINERÁRIO

Partindo-se do entroncamento da Via de Contorno do Guará II com a Via de ligação Guará / Núcleo Bandeirante, percorre-se uma distância de 28m pela Via de Ligação no sentido Núcleo Bandeirante encontra-se o marco G1, cravado no bordo esquerdo da Via.

OBSERVAÇÃO: - O Marco G1, está localizado no bordo esquerdo da Via de Ligação Guará / núcleo bandeirante, sentido Núcleo Bandeirante, a 28m do cruzamento da Via de Contorno do guará II e a 35cm do meio fio.

CROQUI DE LOCALIZAÇÃO



MONOGRAFIA DE VÉRTICE IMPLANTADO



NOVACAP

MARCO: G2

OBRA:	LEV. PLANIALT. CADASTRAL - VIA DE LIGAÇÃO GUARÁ/BANDEIRANTE	ESTAÇÃO:	
OBJETO:	DUPLICAÇÃO DE PISTA	DATA:	dez/10
ESTADO:	DISTRITO FEDERAL - DF	MUNIC.:	BRASÍLIA
LOCAL:	GUARÁ / NÚCLEO BANDEIRANTE	TRECHO:	GUARÁ
		N(Y) = 8.245.552,028	
		E(X) = 181.243,287	
		H(Z) = 1.072,598	
		SISTEMA UTM	

DESCRIMINAÇÃO: PINO DE AÇO CHUMBADO NO ASFALTO



MARCOS DE REFERÊNCIA

RÉ:	G1	Az:	348° 52' 55"
VANTE:		Az:	
MIRA:	Az		
	Zenite		

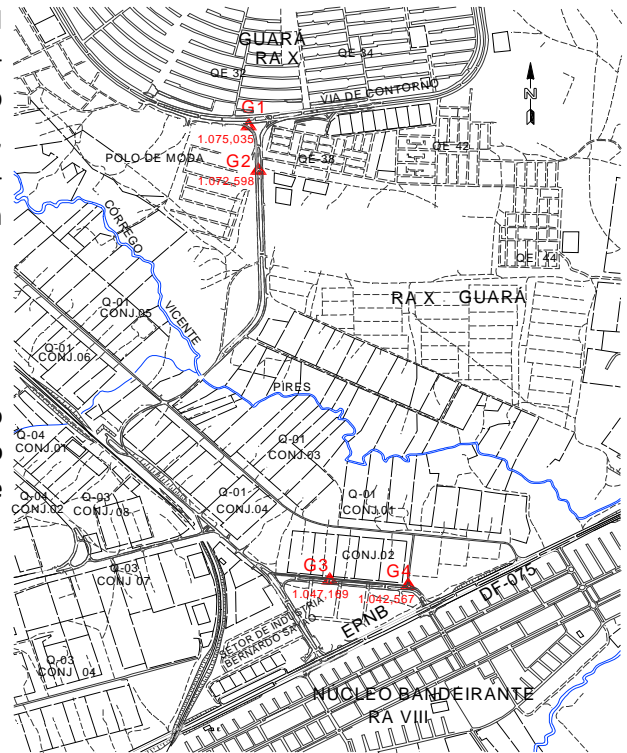
VÉRTICE DE ORIGEM:	DF-3
DATUM HORIZONTAL:	ASTRO CHUÁ (MG)
DATUM Vertical	IMBITUBA (SC)

INTINERÁRIO

Partindo-se do entroncamento da Via de Contorno do Guará II com a Via de ligação Guará / Núcleo Bandeirante, percorre-se uma distância de 256m pela Via de Ligação no sentido Núcleo Bandeirante chega-se no retorno a esquerda da via, deste ponto percorre-se 2,50m pelo retorno onde encontra-se o marco G1, cravado no bordo direito do retorno a 55cm do meio fio.

OBSERVAÇÃO: - O Marco G2, está localizado no primeiro retorno da Via de Ligação Guará / núcleo bandeirante, sentido Núcleo Bandeirante a 2,50m do bordo esquerdo da citada Via de Ligação e a 55cm do meio fio do retorno.

CROQUI DE LOCALIZAÇÃO



MONOGRAFIA DE VÉRTICE IMPLANTADO



NOVACAP

MARCO: G3

OBRA: LEV. PLANIALT. CADASTRAL - VIA DE LIGAÇÃO GUARÁ/BANDEIRANTE OBJETO: DUPLICAÇÃO DE PISTA ESTADO: DISTRITO FEDERAL - DF LOCAL: GUARÁ / NÚCLEO BANDEIRANTE	DATA: dez/10 MUNIC.: BRASÍLIA TRECHO: N. BANDEIRANTE	ESTAÇÃO: N(Y) = 8.243.573,007 E(X) = 181.553,263 H(Z) = 1.047,169 SISTEMA UTM
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DESCRIMINAÇÃO: PINO DE AÇO CHUMBADO NO ASFALTO



MARCOS DE REFERÊNCIA

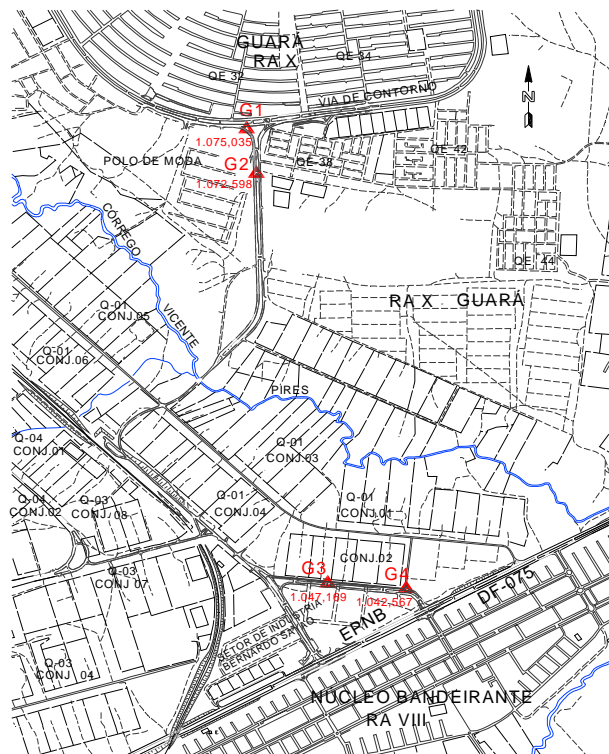
RÉ:	G4	Az:	94° 23' 32"
VANTE:		Az:	
MIRA:	Az		
	Zenite		
VÉRTICE DE ORIGEM:		DF-3	
DATUM HORIZONTAL:		ASTRO CHUÁ (MG)	
DATUM Vertical		IMBITUBA (SC)	

INTINERÁRIO

Partindo-se do entroncamento da Rodovia DF-075 (EPNB) com a via de acesso a a Quadra 2 do Setor de Indústria Bernardo Sayão, percorre-se uma distância de 468m pela citada via de acesso no sentido a Via de Ligação Guará / N. Bandeirante, chega-se no retorno onde encontra-se o marco G4, cravado a 1,90m do bordo esquerdo da pista e a 60cm, do meio fio do retorno.

OBSERVAÇÃO: - O Marco G3, está localizado no segundo retorno da via de acesso a Quadra 2, do Setor de Indústria Bernardo Sayão, no sentido EPNB a Via de Ligação Guará / N. Bandeirante a 1,90m do bordo esquerdo da citada via de acesso e a 60cm do meio fio do retorno.

CROQUI DE LOCALIZAÇÃO



MONOGRAFIA DE VÉRTICE IMPLANTADO



NOVACAP

MARCO: G4

OBRA: LEV. PLANIALT. CADASTRAL - VIA DE LIGAÇÃO GUARÁ/BANDEIRANTE
OBJETO: DUPLICAÇÃO DE PISTA
ESTADO: DISTRITO FEDERAL - DF
LOCAL: GUARÁ / NÚCLEO BANDEIRANTE

DATA: dez/10
MUNIC.: BRASÍLIA
TRECHO: N. BANDEIRANTE

ESTAÇÃO:
N(Y) = 8.243.546,899
E(X) = 181.893,173
H(Z) = 1.042,567
SISTEMA UTM

DESCRIMINAÇÃO: PINO DE AÇO CHUMBADO NO ASFALTO



MARCOS DE REFERÊNCIA

RÉ: G3 Az: 274° 23' 32"
VANTE: Az:
MIRA: Az
Zenite

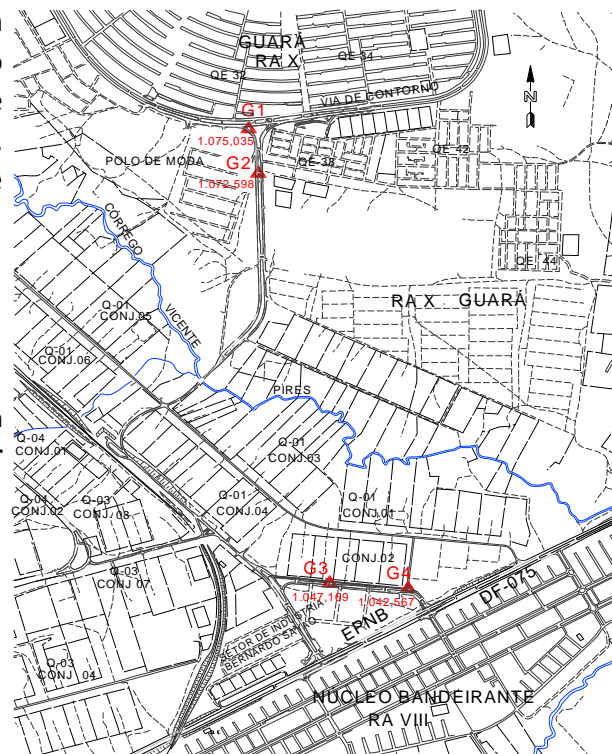
VÉRTICE DE ORIGEM: DF-3
DATUM HORIZONTAL: ASTRO CHUÁ (MG)
DATUM Vertical: IMBITUBA (SC)

INTINERÁRIO

Partindo-se do entroncamento da Rodovia DF-075 (EPNB) com a via de acesso a a Quadra 2 do Setor de Indústria Bernardo Sayão, percorre-se uma distância de 128m pela citada via de acesso no sentido a Via de Ligação Guará / N. Bandeirante, encontra-se o marco G4, cravado no bordo direito da pista e no eixo da via de acesso a Quadra 1 do mesmo setor.

OBSERVAÇÃO: - O Marco G4, está localizado no cruzamento da via de acesso a Quadra 2 com a via de acesso a Quadra 1 do Setor de Indústria Bernardo Sayão.

CROQUI DE LOCALIZAÇÃO





7. CÁLCULO DAS POLIGONAIS

	Estação de Partida	Referência de Partida
Nome	G2	G1
Norte	8.245.552,028	8.245.766,640
Este	181.243,287	181.201,112
Cota	1.072,450	1.074,850
Azimute	348°52'55"	
Distância	218,7168 m	

	Estação de Chegada	Referência de Chegada
Nome	G3	G4
Norte	8.243.573,007	8.243.546,899
Este	181.553,263	181.893,173
Cota	1.047,090	1.042,430
Azimute	94°23'32"	
Distância	340,9112 m	

	Observados	Compensados
Perímetro	2.778,2170 m	2.780,1246 m
Área		

	Erros	Tolerâncias	Fora
Angular	0°00'13"	0°01'48" (= 0°00'30" x N½)	
Relativo	1:15073	1:10000	
Linear	0,1843 m		
Eixo Norte	-0,0938 m		
Eixo Este	0,1587 m		
Altimétrico	0,024 m	0,083 m (= 50 mm x K½)	

Meridiano	Datum
-45°00'00"	Astro Chuá

Estação	AH Plano	DH Plana	Desnível	Azim Plano	Norte	Este	Altitude
G1					8.245.766,640	181.201,112	
				168°52'55"			
G2	192°21'24"				8.245.552,028	181.243,287	1.072,45
		278,536	-7,512	181°14'30"			
M1	169°38'18"				8.245.273,557	181.237,251	1.064,94
		315,786	-11,888	170°52'57"			
M2	215°37'33"				8.244.961,761	181.287,290	1.053,05
		170,183	-7,621	206°30'39"			
M3	184°27'59"				8.244.809,472	181.211,326	1.045,43
		134,184	-5,178	210°58'44"			
M4	193°52'10"				8.244.694,429	181.142,258	1.040,25
		321,845	-3,774	224°50'57"			
M5	201°24'26"				8.244.466,252	180.915,280	1.036,48
		220,289	7,550	246°15'21"			
M6	142°18'46"				8.244.377,553	180.713,638	1.044,03
		159,714	8,285	208°34'01"			
M7	110°39'33"				8.244.237,283	180.637,265	1.052,31
		206,447	0,873	139°13'26"			
M8	172°36'31"				8.244.080,947	180.772,097	1.053,18
		377,724	-2,124	131°49'49"			
M9	183°28'32"				8.243.829,033	181.053,547	1.051,06
		262,688	2,279	135°18'18"			
M10	177°27'27"				8.243.642,299	181.238,305	1.053,34
		61,607	0,277	132°45'44"			
M11	143°03'05"				8.243.600,470	181.283,535	1.053,62
		271,122	-6,526	95°48'49"			
G3	178°34'38"				8.243.573,007	181.553,263	1.047,09
				94°23'32"			
G4					8.243.546,899	181.893,173	1.042,43

Nome	Descrição	Norte	Este	Cota
G1		8.245.766,640	181.201,112	1.074,85

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
AUX1	A	8.245.828,441	181.412,441	1.077,86	73°41'56"	264°49'01"	220,180	3,010
AUX2	A	8.245.805,941	181.062,663	1.074,02	285°50'51"	116°57'56"	143,919	-0,833
AUX3	A	8.245.763,579	181.254,603	1.075,54	93°16'30"	284°23'34"	53,579	0,690
1	C	8.245.769,202	181.175,121	1.074,57	275°37'50"	106°44'55"	26,117	-0,284
2	C	8.245.769,450	181.170,533	1.074,18	275°14'59"	106°22'04"	30,708	-0,667
3	C	8.245.752,540	181.180,805	1.073,70	235°13'30"	66°20'35"	24,722	-1,154
4	C	8.245.750,771	181.161,392	1.073,29	248°13'18"	79°20'23"	42,772	-1,559
5	CE	8.245.753,353	181.139,854	1.073,03	257°45'42"	88°52'47"	62,682	-1,820
6	CE	8.245.733,385	181.139,978	1.072,77	241°27'18"	72°34'23"	69,594	-2,084
7	AL-CE	8.245.771,200	181.139,774	1.073,60	274°15'05"	105°22'10"	61,507	-1,254
8	C	8.245.732,741	181.158,740	1.073,04	231°20'19"	62°27'24"	54,263	-1,808
9	CE	8.245.714,493	181.139,908	1.072,41	229°34'06"	60°41'11"	80,407	-2,436
10	C	8.245.730,424	181.179,980	1.073,34	210°15'49"	41°22'54"	41,931	-1,513
11	C	8.245.714,313	181.159,199	1.072,49	218°41'39"	49°48'44"	67,043	-2,364
12	C	8.245.728,750	181.198,465	1.073,75	183°59'46"	15°06'51"	37,982	-1,095
13	C	8.245.713,661	181.176,646	1.072,92	204°47'17"	35°54'22"	58,355	-1,929
14	C	8.245.728,020	181.217,454	1.074,38	157°03'51"	348°10'56"	41,935	-0,471
15	C	8.245.728,027	181.217,449	1.074,38	157°04'00"	348°11'05"	41,927	-0,471
16	C	8.245.713,416	181.181,151	1.072,58	200°33'27"	31°40'32"	56,844	-2,266
17	C	8.245.712,054	181.219,658	1.074,08	161°14'03"	352°21'08"	57,651	-0,766
18	C	8.245.711,702	181.199,774	1.072,57	181°23'42"	12°30'47"	54,955	-2,280
19	C	8.245.689,324	181.226,837	1.074,14	161°35'48"	352°42'53"	81,483	-0,710
20	C	8.245.689,906	181.213,273	1.071,81	170°59'41"	2°06'46"	77,691	-3,044
21	C	8.245.669,571	181.226,688	1.073,87	165°14'20"	356°21'25"	100,382	-0,977
22	C	8.245.691,441	181.192,742	1.071,30	186°21'05"	17°28'10"	75,663	-3,546
23	C	8.245.670,445	181.214,594	1.071,71	172°01'19"	3°08'24"	97,135	-3,143
24	C	8.245.692,785	181.182,825	1.071,71	193°54'26"	25°01'31"	76,085	-3,143
25	C	8.245.671,874	181.195,704	1.071,42	183°15'58"	14°23'03"	94,920	-3,432
26	C	8.245.693,157	181.173,765	1.072,60	200°24'47"	31°31'52"	78,407	-2,248
27	C	8.245.673,373	181.176,507	1.072,06	194°46'42"	25°53'47"	96,458	-2,789
28	C	8.245.694,367	181.154,867	1.072,23	212°36'51"	43°43'56"	85,802	-2,624
29	C	8.245.674,657	181.157,296	1.072,30	205°28'14"	36°35'19"	101,886	-2,548
30	CE	8.245.695,497	181.139,956	1.072,13	220°40'58"	51°48'03"	93,816	-2,721
31	CE	8.245.675,446	181.140,068	1.071,82	213°47'52"	44°54'57"	109,739	-3,025
32	CE	8.245.655,210	181.140,061	1.071,49	208°43'04"	39°50'09"	127,058	-3,361
33	CE	8.245.652,551	181.137,714	1.071,34	209°03'37"	40°10'42"	130,521	-3,507
34	C	8.245.654,637	181.159,739	1.072,07	200°16'26"	31°23'31"	119,400	-2,777
35	CE	8.245.634,796	181.137,293	1.069,99	205°49'45"	36°56'50"	146,478	-4,863
36	C	8.245.634,879	181.139,301	1.070,80	205°07'55"	36°15'00"	145,539	-4,052
37	C	8.245.655,011	181.179,577	1.071,85	190°55'09"	22°02'14"	113,687	-2,999
38	C	8.245.634,472	181.138,830	1.070,18	205°13'53"	36°20'58"	146,107	-4,673
39	C	8.245.654,836	181.200,529	1.071,63	180°17'56"	11°25'01"	111,806	-3,224
40	C	8.245.653,758	181.216,285	1.071,95	172°20'40"	3°27'45"	113,897	-2,898
41	C	8.245.634,749	181.157,599	1.071,98	198°15'31"	29°22'36"	138,883	-2,866
42	C	8.245.652,584	181.223,044	1.073,59	169°06'56"	0°14'01"	116,146	-1,260
43	C	8.245.634,904	181.177,591	1.072,02	190°07'24"	21°14'29"	133,819	-2,826
44	C	8.245.617,230	181.210,692	1.071,62	176°19'53"	7°26'58"	149,717	-3,227
45	C	8.245.635,441	181.197,231	1.071,49	181°41'39"	12°48'44"	131,256	-3,364

Nome	Descrição	Norte	Este	Cota
G1		8.245.766,640	181.201,112	1.074,85

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
46	C	8.245.617,632	181.190,581	1.071,66	184°02'33"	15°09'38"	149,380	-3,188
47	C	8.245.634,529	181.214,058	1.071,58	174°24'12"	5°31'17"	132,744	-3,273
48	C	8.245.619,262	181.166,350	1.071,49	193°16'18"	24°23'23"	151,422	-3,359
49	C	8.245.634,195	181.216,279	1.072,84	173°28'02"	4°35'07"	133,311	-2,014
50	C	8.245.618,056	181.140,203	1.070,49	202°17'25"	33°24'30"	160,583	-4,356
51	C	8.245.618,233	181.139,475	1.070,06	202°33'15"	33°40'20"	160,698	-4,789
52	CE	8.245.618,029	181.136,939	1.070,00	203°21'20"	34°28'25"	161,874	-4,850
53	CE-MU	8.245.606,300	181.136,660	1.069,96	201°53'56"	33°01'01"	172,809	-4,888
54	AV	8.245.607,265	181.141,450	1.069,88	200°31'24"	31°38'29"	170,176	-4,971
55	MU	8.245.604,966	181.154,445	1.070,10	196°06'02"	27°13'07"	168,275	-4,753
56	MU	8.245.603,172	181.178,452	1.070,66	187°53'32"	19°00'37"	165,031	-4,193
57	MU	8.245.601,804	181.197,207	1.071,04	181°21'25"	12°28'30"	164,882	-3,815
58	MU	8.245.601,047	181.207,608	1.071,03	177°45'13"	8°52'18"	165,720	-3,817
59	AV	8.245.618,918	181.178,416	1.071,20	188°44'04"	19°51'09"	149,456	-3,652
60	AV	8.245.619,278	181.175,979	1.071,24	189°40'44"	20°47'49"	149,490	-3,605
61	AV	8.245.621,186	181.173,386	1.071,35	190°47'32"	21°54'37"	148,073	-3,499
62	AV	8.245.620,792	181.171,858	1.071,34	191°20'31"	22°27'36"	148,753	-3,514
63	AV	8.245.620,233	181.169,784	1.071,40	192°04'41"	23°11'46"	149,721	-3,455
64	PVE	8.245.618,898	181.183,331	1.072,51	186°51'46"	17°58'51"	148,808	-2,339
65	C	8.245.618,627	181.183,750	1.071,86	186°41'25"	17°48'30"	149,027	-2,987
66	MU	8.245.568,905	181.208,288	1.070,70	177°55'18"	9°02'23"	197,865	-4,149
67	PVE	8.245.608,701	181.211,411	1.071,40	176°16'09"	7°23'14"	158,275	-3,452
68	PVA	8.245.603,712	181.214,607	1.071,25	175°15'55"	6°23'00"	163,486	-3,605
69	BL	8.245.604,751	181.210,863	1.071,11	176°33'11"	7°40'16"	162,182	-3,741
70	MF	8.245.603,660	181.218,060	1.071,33	174°03'48"	5°10'53"	163,859	-3,524
71	MF	8.245.626,854	181.214,246	1.072,41	174°37'56"	5°45'01"	140,402	-2,443
72	MF	8.245.612,821	181.218,347	1.071,82	173°36'24"	4°43'29"	154,781	-3,029
73	MF	8.245.625,133	181.221,061	1.072,59	171°58'32"	3°05'37"	142,906	-2,263
74	BL	8.245.629,699	181.222,693	1.072,79	171°02'39"	2°09'44"	138,631	-2,056
75	MF	8.245.636,902	181.225,817	1.073,34	169°13'07"	0°20'12"	132,070	-1,513
76	MF	8.245.638,557	181.227,112	1.073,42	168°31'31"	359°38'36"	130,695	-1,426
77	MF	8.245.639,375	181.228,792	1.073,57	167°43'45"	358°50'50"	130,240	-1,280
78	PLP	8.245.627,155	181.223,947	1.072,93	170°42'10"	1°49'15"	141,342	-1,918
79	PLP	8.245.631,013	181.224,575	1.073,23	170°11'06"	1°18'11"	137,642	-1,624
80	PLP	8.245.632,342	181.226,740	1.073,42	169°11'46"	0°18'51"	136,722	-1,430
81	MF	8.245.616,469	181.242,190	1.073,59	164°42'05"	355°49'10"	155,688	-1,261
82	MF	8.245.614,462	181.229,546	1.073,29	169°24'59"	0°32'04"	154,811	-1,564
83	MF	8.245.638,972	181.241,627	1.073,87	162°23'36"	353°30'41"	133,942	-0,980
84	MF	8.245.641,736	181.220,193	1.073,28	171°18'52"	2°25'57"	126,353	-1,570
85	MF	8.245.649,951	181.223,314	1.073,54	169°13'39"	0°20'44"	118,783	-1,312
86	MF	8.245.664,804	181.227,019	1.073,82	165°43'36"	356°50'41"	105,080	-1,027
87	MF	8.245.657,344	181.241,121	1.074,05	159°53'40"	351°00'45"	116,389	-0,805
88	MF	8.245.670,235	181.227,967	1.073,94	164°26'02"	355°33'07"	100,076	-0,913
89	MF	8.245.663,540	181.240,973	1.074,11	158°51'44"	349°58'49"	110,537	-0,742
90	MF	8.245.666,855	181.243,969	1.074,07	156°45'24"	347°52'29"	108,600	-0,780
91	MF	8.245.666,202	181.246,332	1.074,05	155°45'41"	346°52'46"	110,149	-0,805
92	MF	8.245.679,622	181.227,965	1.074,09	162°51'01"	353°58'06"	91,068	-0,757
93	PVE	8.245.678,591	181.228,098	1.074,07	162°57'37"	354°04'42"	92,091	-0,777

Nome	Descrição	Norte	Este	Cota
G1		8.245.766,640	181.201,112	1.074,85

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
94	C	8.245.680,654	181.224,847	1.073,90	164°34'08"	355°41'13"	89,201	-0,951
94	PVA	8.245.680,658	181.224,845	1.073,90	164°34'10"	355°41'15"	89,197	-0,951
95	BL	8.245.681,146	181.227,805	1.074,00	162°39'39"	353°46'44"	89,565	-0,847
96	PLP	8.245.686,789	181.224,563	1.073,59	163°37'59"	354°45'04"	83,223	-1,258
97	MF	8.245.652,344	181.250,165	1.073,92	156°46'20"	347°53'25"	124,377	-0,925
98	MF	8.245.632,098	181.250,609	1.073,66	159°48'07"	350°55'12"	143,357	-1,192
98	MF	8.245.631,855	181.250,603	1.073,59	159°50'15"	350°57'20"	143,584	-1,260
99	MF	8.245.607,543	181.253,937	1.073,38	161°37'56"	352°45'01"	167,637	-1,475
100	MF	8.245.588,999	181.254,301	1.073,19	163°19'53"	354°26'58"	185,433	-1,661
101	MF	8.245.589,271	181.261,495	1.073,28	161°11'58"	352°19'03"	187,366	-1,573
102	MF	8.245.603,565	181.261,405	1.073,48	159°42'34"	350°49'39"	173,864	-1,369
103	MF	8.245.606,314	181.262,366	1.073,51	159°05'25"	350°12'30"	171,629	-1,342
104	MF	8.245.607,781	181.265,438	1.073,47	157°57'21"	349°04'26"	171,389	-1,378
105	MF	8.245.606,869	181.270,377	1.073,62	156°33'43"	347°40'48"	174,140	-1,235
106	BL	8.245.606,489	181.272,160	1.073,41	156°04'35"	347°11'40"	175,203	-1,443
107	PVA	8.245.610,387	181.272,438	1.073,55	155°27'52"	346°34'57"	171,762	-1,305
108	MF	8.245.613,686	181.272,671	1.073,69	154°55'39"	346°02'44"	168,866	-1,157
109	MF	8.245.615,445	181.264,344	1.073,61	157°18'16"	348°25'21"	163,885	-1,240
110	MF	8.245.616,465	181.262,209	1.073,62	157°51'42"	348°58'47"	162,127	-1,228
111	MF	8.245.618,926	181.261,188	1.073,68	157°52'05"	348°59'10"	159,464	-1,171
112	PC	8.245.619,321	181.261,574	1.073,77	157°41'10"	348°48'15"	159,243	-1,081
113	PC	8.245.591,331	181.261,871	1.073,36	160°53'05"	352°00'10"	185,539	-1,486
114	RG	8.245.602,329	181.269,635	1.073,59	157°21'44"	348°28'49"	178,027	-1,263
115	GRA	8.245.614,710	181.272,208	1.073,81	154°55'22"	346°02'27"	167,742	-1,040
116	GRA-ALB	8.245.616,196	181.272,382	1.073,92	154°39'06"	345°46'11"	166,471	-0,928
117	GRA	8.245.618,414	181.264,311	1.073,91	156°54'29"	348°01'34"	161,137	-0,938
118	LU	8.245.598,267	181.246,521	1.073,35	164°54'25"	356°01'30"	174,389	-1,503
119	AV	8.245.590,936	181.245,582	1.073,24	165°47'49"	356°54'54"	181,245	-1,607
120	AV	8.245.610,742	181.250,985	1.073,35	162°15'37"	353°22'42"	163,681	-1,501
121	AV	8.245.627,622	181.244,844	1.073,59	162°32'15"	353°39'20"	145,734	-1,256
122	AV	8.245.569,528	181.246,790	1.072,95	166°57'10"	358°04'15"	202,335	-1,902
123	LU	8.245.640,635	181.245,118	1.074,19	160°44'55"	351°52'00"	133,469	-0,658
124	PLS	8.245.630,067	181.243,490	1.073,79	162°45'40"	353°52'45"	142,997	-1,057
125	AV	8.245.644,381	181.244,123	1.074,23	160°37'05"	351°44'10"	129,604	-0,616
126	AV	8.245.651,526	181.247,603	1.073,97	158°00'28"	349°07'33"	124,147	-0,875
127	AV	8.245.658,412	181.243,336	1.074,01	158°41'14"	349°48'19"	116,173	-0,841
128	PLP	8.245.676,163	181.251,819	1.074,37	150°43'55"	341°51'00"	103,717	-0,479
129	PLS	8.245.678,307	181.238,474	1.074,42	157°04'24"	348°11'29"	95,910	-0,432
130	AV	8.245.689,435	181.240,216	1.074,41	153°08'17"	344°15'22"	86,543	-0,442
131	AV	8.245.697,950	181.240,714	1.074,40	150°02'07"	341°09'12"	79,288	-0,448
132	AV	8.245.706,534	181.240,516	1.074,60	146°45'08"	337°52'13"	71,870	-0,250
133	AV	8.245.716,518	181.239,559	1.074,66	142°30'34"	333°37'39"	63,169	-0,193
134	AV	8.245.721,414	181.244,844	1.074,84	135°57'44"	327°04'49"	62,912	-0,010
135	LU	8.245.722,891	181.242,861	1.074,78	136°20'24"	327°27'29"	60,473	-0,068
136	PLS	8.245.728,541	181.251,097	1.075,31	127°18'54"	318°25'59"	62,849	0,460
137	AV	8.245.729,258	181.245,819	1.074,98	129°54'02"	321°01'07"	58,276	0,128
138	AV	8.245.735,352	181.248,963	1.075,01	123°10'44"	314°17'49"	57,172	0,163
139	AV	8.245.741,177	181.243,263	1.074,88	121°08'11"	312°15'16"	49,245	0,028

Nome	Descrição	Norte	Este	Cota
G1		8.245.766,640	181.201,112	1.074,85

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
140	AV	8.245.747,832	181.245,005	1.075,12	113°11'44"	304°18'49"	47,753	0,266
141	PLPROTARI	8.245.745,303	181.243,705	1.075,37	116°36'32"	307°43'37"	47,639	0,520
142	LU	8.245.757,662	181.217,381	1.074,91	118°53'27"	310°00'32"	18,582	0,062
143	LU	8.245.760,343	181.263,792	1.075,74	95°44'14"	286°51'19"	62,995	0,890
144	PLS	8.245.757,480	181.213,241	1.074,88	127°03'44"	318°10'49"	15,199	0,029
145	AV	8.245.760,653	181.247,560	1.075,37	97°20'43"	288°27'48"	46,832	0,523
146	AV	8.245.762,247	181.218,653	1.074,94	104°03'37"	295°10'42"	18,082	0,091
147	AV	8.245.767,948	181.253,092	1.075,57	88°33'32"	279°40'37"	51,997	0,723
148	AV	8.245.772,774	181.219,143	1.075,29	71°12'40"	262°19'45"	19,046	0,445
149	AV	8.245.767,391	181.243,505	1.075,45	88°59'07"	280°06'12"	42,400	0,601
150	AV	8.245.771,220	181.208,300	1.074,92	57°29'34"	248°36'39"	8,523	0,065
151	AV	8.245.774,711	181.248,328	1.075,50	80°18'00"	271°25'05"	47,901	0,651
152	AV	8.245.774,189	181.204,011	1.074,91	21°00'25"	212°07'30"	8,087	0,060
153	AV	8.245.777,157	181.201,312	1.075,01	1°05'24"	192°12'29"	10,519	0,163
154	AV	8.245.776,553	181.194,037	1.074,95	324°29'07"	155°36'12"	12,178	0,100
155	AV	8.245.774,467	181.257,486	1.075,54	82°05'44"	273°12'49"	56,915	0,686
156	AV	8.245.776,608	181.263,058	1.075,78	80°51'31"	271°58'36"	62,743	0,933
157	AV	8.245.771,446	181.268,846	1.075,86	85°56'29"	277°03'34"	67,905	1,014
158	PLP	8.245.786,839	181.279,325	1.075,94	75°31'09"	266°38'14"	80,779	1,092
159	PLP	8.245.779,430	181.191,290	1.075,87	322°28'42"	153°35'47"	16,126	1,020
159	PLP	8.245.779,425	181.191,291	1.075,17	322°28'08"	153°35'13"	16,122	0,322
160	PVA	8.245.771,369	181.238,594	1.075,63	82°48'33"	273°55'38"	37,779	0,783
161	C	8.245.771,734	181.238,405	1.075,32	82°13'17"	273°20'22"	37,639	0,465
162	RG	8.245.751,654	181.199,545	1.074,82	185°58'14"	17°05'19"	15,067	-0,032
163	C	8.245.751,481	181.200,093	1.074,55	183°50'45"	14°57'50"	15,193	-0,298
164	C	8.245.749,138	181.189,884	1.074,23	212°40'51"	43°47'56"	20,793	-0,622
165	PVE	8.245.749,223	181.189,521	1.074,62	213°38'41"	44°45'46"	20,921	-0,231
166	PLP	8.245.763,038	181.179,814	1.074,26	260°24'01"	91°31'05"	21,601	-0,589
167	PLP	8.245.762,684	181.171,132	1.074,27	262°29'01"	93°36'05"	30,240	-0,579
168	PLP	8.245.771,021	181.170,522	1.074,69	278°09'00"	109°16'04"	30,902	-0,156
169	PLP	8.245.774,334	181.157,643	1.074,65	280°02'13"	111°09'17"	44,144	-0,197
170	PLP	8.245.776,086	181.139,858	1.074,58	278°45'59"	109°53'03"	61,978	-0,265
171	PLP	8.245.776,254	181.134,850	1.074,58	278°15'21"	109°22'25"	66,956	-0,266
172	PLS	8.245.791,898	181.136,186	1.074,49	291°15'28"	122°22'32"	69,666	-0,362
173	PLS	8.245.791,135	181.158,608	1.074,67	299°57'18"	131°04'22"	49,057	-0,179
174	LU	8.245.798,331	181.138,895	1.074,45	296°59'35"	128°06'39"	69,823	-0,403
175	LU	8.245.798,535	181.178,710	1.075,03	324°55'00"	156°02'04"	38,976	0,181
176	LU	8.245.799,537	181.098,853	1.074,13	287°50'00"	118°57'04"	107,420	-0,722
177	LU	8.245.800,506	181.218,656	1.075,51	27°23'09"	218°30'13"	38,140	0,658
178	PLS	8.245.791,777	181.191,650	1.075,05	339°22'23"	170°29'27"	26,858	0,197
179	CXDTE	8.245.796,509	181.083,561	1.074,18	284°15'25"	115°22'29"	121,286	-0,666
180	SMS	8.245.807,852	181.087,893	1.074,04	290°00'06"	121°07'10"	120,487	-0,814
181	SMS	8.245.819,781	181.088,526	1.073,78	295°16'03"	126°23'07"	124,498	-1,070
182	SMS	8.245.792,986	181.084,451	1.074,23	282°43'33"	113°50'37"	119,599	-0,620
183	SMS	8.245.777,630	181.082,812	1.074,44	275°18'27"	106°25'31"	118,810	-0,414
184	PLS	8.245.808,611	181.069,690	1.074,04	287°42'42"	118°49'46"	137,961	-0,814
185	PLS	8.245.795,717	181.059,104	1.074,04	281°34'19"	112°41'23"	144,955	-0,809
186	PLP	8.245.782,020	181.061,444	1.074,22	276°17'02"	107°24'06"	140,513	-0,635

Nome	Descrição	Norte	Este	Cota
G1		8.245.766,640	181.201,112	1.074,85

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
187	PLP	8.245.809,857	181.048,480	1.073,91	285°48'34"	116°55'38"	158,632	-0,943
188	LU	8.245.802,378	181.059,300	1.073,92	284°08'41"	115°15'45"	146,246	-0,927
189	PC	8.245.802,985	181.055,447	1.073,89	284°00'36"	115°07'40"	150,131	-0,958
190	PC	8.245.783,803	181.047,239	1.074,16	276°21'52"	107°28'56"	154,827	-0,689
191	PLP	8.245.782,980	181.044,536	1.074,13	275°57'28"	107°04'32"	157,426	-0,719
192	CXT	8.245.778,647	181.046,963	1.073,65	274°27'15"	105°34'19"	154,616	-1,198
193	CXT	8.245.778,584	181.048,854	1.073,54	274°29'08"	105°36'12"	152,726	-1,313
194	CXT	8.245.777,745	181.048,833	1.073,53	274°10'16"	105°17'20"	152,683	-1,321
195	PVT	8.245.780,171	181.043,810	1.073,92	274°55'00"	106°02'04"	157,883	-0,931
196	AV	8.245.777,830	181.054,647	1.073,26	274°22'09"	105°29'13"	146,892	-1,591
197	LU	8.245.807,681	181.018,096	1.073,56	282°38'22"	113°45'26"	187,561	-1,286
198	MF	8.245.785,169	181.044,792	1.074,10	276°45'36"	107°52'40"	157,414	-0,748
199	MF	8.245.782,405	181.040,950	1.073,73	275°37'18"	106°44'22"	160,936	-1,123
200	MF	8.245.777,318	181.040,126	1.073,01	273°47'42"	104°54'46"	161,340	-1,841
201	ALB-CER	8.245.777,358	181.046,286	1.073,43	273°57'36"	105°04'40"	155,197	-1,419
202	MF	8.245.777,768	181.031,471	1.073,13	273°45'12"	104°52'16"	170,006	-1,725
203	MF	8.245.781,919	181.028,729	1.073,84	275°03'55"	106°10'59"	173,059	-1,006
204	MF	8.245.784,814	181.024,654	1.073,88	275°52'50"	106°59'54"	177,391	-0,967
205	MF	8.245.787,800	181.005,075	1.073,68	276°09'39"	107°16'43"	197,176	-1,175
206	MF	8.245.791,858	180.978,487	1.073,74	276°27'46"	107°34'50"	224,049	-1,105
207	MF	8.245.808,036	180.981,554	1.073,60	280°40'39"	111°47'43"	223,427	-1,253
208	MF	8.245.822,714	180.983,497	1.073,50	284°26'58"	115°34'02"	224,724	-1,346
209	BL	8.245.819,215	180.982,948	1.073,70	283°32'58"	114°40'02"	224,409	-1,151
210	MF	8.245.804,808	180.994,857	1.073,63	280°29'03"	111°36'07"	209,756	-1,223
211	MF	8.245.811,422	180.989,379	1.073,52	281°56'32"	113°03'36"	216,417	-1,325
212	MF	8.245.818,011	180.991,808	1.073,57	283°47'24"	114°54'28"	215,516	-1,282
213	MF	8.245.820,108	180.997,383	1.073,56	284°42'20"	115°49'24"	210,629	-1,293
214	BLS	8.245.817,982	181.001,134	1.073,82	284°23'57"	115°31'01"	206,464	-1,028
215	BLS	8.245.817,972	181.001,133	1.073,82	284°23'47"	115°30'51"	206,462	-1,028
216	BLS	8.245.816,866	181.005,405	1.073,89	284°23'38"	115°30'42"	202,049	-0,958
217	PLP	8.245.813,771	181.029,160	1.073,82	285°19'41"	116°26'45"	178,295	-1,026
218	AV	8.245.814,000	181.009,748	1.073,89	283°54'03"	115°01'07"	197,138	-0,961
219	AV	8.245.812,751	181.009,136	1.073,77	283°30'22"	114°37'26"	197,436	-1,080
220	AV	8.245.806,121	181.013,599	1.073,67	281°53'24"	113°00'28"	191,624	-1,178
221	AV	8.245.810,987	181.031,607	1.073,81	284°39'42"	115°46'46"	175,211	-1,044
222	AV	8.245.808,664	181.029,761	1.073,76	283°46'48"	114°53'52"	176,429	-1,092
223	AV	8.245.806,353	181.031,390	1.073,88	283°10'11"	114°17'15"	174,306	-0,973
224	PVA	8.245.809,802	181.040,516	1.073,67	285°02'37"	116°09'41"	166,295	-1,182
225	AV	8.245.805,330	181.038,353	1.073,77	283°22'19"	114°29'23"	167,294	-1,075
226	AV	8.245.802,552	181.038,697	1.073,78	282°28'06"	113°35'10"	166,338	-1,074
227	AV	8.245.807,576	181.041,902	1.073,79	284°25'11"	115°32'15"	164,388	-1,063
228	AV	8.245.802,836	181.053,378	1.073,77	283°46'00"	114°53'04"	152,104	-1,085
229	AV	8.245.802,920	181.062,141	1.073,87	284°37'52"	115°44'56"	143,629	-0,977
230	AV	8.245.803,253	181.065,807	1.073,91	285°08'29"	116°15'33"	140,171	-0,938
231	AV	8.245.797,461	181.067,011	1.073,93	282°56'38"	114°03'42"	137,598	-0,916
232	MF-CAL	8.245.792,476	181.084,758	1.074,04	282°31'09"	113°38'13"	119,188	-0,811
233	MF-CAL	8.245.792,385	181.086,723	1.074,05	282°41'02"	113°48'06"	117,251	-0,799
234	MF-CAL	8.245.808,517	181.085,285	1.073,89	289°52'39"	120°59'43"	123,165	-0,964

Nome	Descrição	Norte	Este	Cota
G1		8.245.766,640	181.201,112	1.074,85

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
235	MF-CAL	8.245.808,476	181.087,269	1.073,90	290°10'41"	121°17'45"	121,286	-0,954
236	MF	8.245.783,156	181.064,392	1.074,13	276°53'17"	108°00'21"	137,714	-0,721
237	MF	8.245.778,763	181.074,870	1.074,20	275°29'07"	106°36'11"	126,823	-0,651
238	MF	8.245.777,776	181.086,335	1.074,26	275°32'30"	106°39'34"	115,316	-0,593
239	MF	8.245.773,221	181.089,795	1.073,68	273°23'01"	104°30'05"	111,512	-1,172
240	MF	8.245.768,153	181.086,351	1.072,54	270°45'20"	101°52'24"	114,771	-2,308
241	MF	8.245.767,160	181.099,856	1.072,94	270°17'40"	101°24'44"	101,258	-1,906
242	MF	8.245.770,882	181.096,587	1.073,43	272°19'26"	103°26'30"	104,611	-1,425
243	MF	8.245.776,956	181.098,924	1.074,32	275°45'52"	106°52'56"	102,708	-0,535
244	MF	8.245.776,651	181.111,901	1.074,45	276°24'11"	107°31'15"	89,771	-0,402
245	MF	8.245.777,734	181.115,873	1.074,46	277°24'56"	108°32'00"	85,958	-0,387
246	POR	8.245.774,508	181.089,473	1.073,86	274°01'53"	105°08'57"	111,916	-0,987
247	POR	8.245.774,118	181.096,894	1.073,99	274°06'16"	105°13'20"	104,486	-0,859
248	ALB	8.245.775,971	181.071,261	1.073,71	274°06'37"	105°13'41"	130,186	-1,144
249	ALB	8.245.772,793	181.115,580	1.073,73	274°06'54"	105°13'58"	85,753	-1,121
250	MF	8.245.800,116	181.020,179	1.073,75	280°28'57"	111°36'01"	184,004	-1,095
251	MF	8.245.815,775	181.022,532	1.073,67	285°23'02"	116°30'06"	185,216	-1,178
252	BL	8.245.796,931	181.038,807	1.073,68	280°34'18"	111°41'22"	165,108	-1,168
253	MF	8.245.812,887	181.041,619	1.073,64	286°10'13"	117°17'17"	166,062	-1,207
254	MF	8.245.794,481	181.059,287	1.073,85	281°06'23"	112°13'27"	144,531	-1,005
255	MF	8.245.810,685	181.059,875	1.073,79	287°19'13"	118°26'17"	147,946	-1,060
256	MF	8.245.791,372	181.104,905	1.074,13	284°25'01"	115°32'05"	99,335	-0,720
257	MF	8.245.807,717	181.104,069	1.073,98	292°56'32"	124°03'36"	105,378	-0,874
258	MF	8.245.790,770	181.123,752	1.074,23	287°19'25"	118°26'29"	81,036	-0,621
259	MF	8.245.806,974	181.123,106	1.074,19	297°20'31"	128°27'35"	87,816	-0,658
260	MF	8.245.790,545	181.141,656	1.074,35	291°54'13"	123°01'17"	64,082	-0,503
261	MF	8.245.806,606	181.141,677	1.074,42	303°55'05"	135°02'09"	71,622	-0,435
262	MF	8.245.790,513	181.160,372	1.074,57	300°22'12"	131°29'16"	47,219	-0,279
263	MF	8.245.806,711	181.159,075	1.074,73	313°37'44"	144°44'48"	58,076	-0,122
264	MF	8.245.790,710	181.177,313	1.074,78	315°19'26"	146°26'30"	33,849	-0,070
265	MF	8.245.806,841	181.175,145	1.075,00	327°08'26"	158°15'30"	47,858	0,150
266	MF	8.245.791,098	181.197,973	1.075,03	352°41'10"	183°48'14"	24,659	0,177
267	MF	8.245.807,302	181.196,893	1.075,23	354°04'33"	185°11'37"	40,880	0,384
268	MF	8.245.794,868	181.204,756	1.075,16	7°21'24"	198°28'28"	28,463	0,306
269	MF	8.245.796,104	181.217,748	1.075,35	29°27'02"	220°34'06"	33,836	0,502
270	MF	8.245.798,466	181.221,729	1.075,39	32°56'06"	224°03'10"	37,920	0,542
271	MF	8.245.802,758	181.221,950	1.075,51	29°58'57"	221°06'01"	41,698	0,659
272	MF	8.245.808,309	181.220,264	1.075,60	24°41'07"	215°48'11"	45,860	0,753
273	MF	8.245.808,721	181.218,027	1.075,70	21°53'53"	213°00'57"	45,353	0,847
274	MF	8.245.809,653	181.228,157	1.075,81	32°09'37"	223°16'41"	50,809	0,957
275	MF	8.245.793,927	181.230,327	1.075,37	46°57'18"	238°04'22"	39,976	0,519
276	LU	8.245.800,531	181.218,724	1.075,50	27°27'32"	218°34'36"	38,194	0,655
277	LU	8.245.805,157	181.256,123	1.076,04	55°00'06"	246°07'10"	67,155	1,189
278	LU	8.245.799,961	181.251,274	1.075,92	56°24'20"	247°31'24"	60,220	1,071
279	PRD	8.245.797,920	181.258,179	1.075,80	61°16'20"	252°23'24"	65,078	0,955
280	MF	8.245.811,771	181.245,863	1.076,10	44°45'30"	235°52'34"	63,557	1,255
281	MF	8.245.796,107	181.249,239	1.075,58	58°31'20"	249°38'24"	56,432	0,729
282	MF	8.245.799,759	181.277,857	1.075,90	66°39'27"	257°46'31"	83,586	1,049

Nome	Descrição	Norte	Este	Cota
G1		8.245.766,640	181.201,112	1.074,85

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
283	MF	8.245.806,977	181.274,106	1.076,18	61°04'29"	252°11'33"	83,398	1,333
284	MF	8.245.811,395	181.270,142	1.076,29	57°02'34"	248°09'38"	82,269	1,441
285	MF	8.245.813,260	181.266,424	1.076,34	54°28'50"	245°35'54"	80,244	1,491
286	MF	8.245.813,723	181.262,007	1.076,27	52°17'21"	243°24'25"	76,974	1,423
287	MF	8.245.815,039	181.275,574	1.076,15	56°58'38"	248°05'42"	88,809	1,302
288	MF	8.245.818,667	181.298,758	1.076,71	61°57'03"	253°04'07"	110,642	1,863
289	MF	8.245.801,020	181.286,861	1.075,97	68°09'08"	259°16'12"	92,384	1,117
290	MF	8.245.803,645	181.285,309	1.076,11	66°16'27"	257°23'31"	91,970	1,255
291	MF	8.245.790,304	181.287,728	1.076,21	74°43'11"	265°50'15"	89,791	1,362
292	MF	8.245.793,259	181.306,899	1.076,43	75°52'35"	266°59'39"	109,085	1,580
293	MF	8.245.795,965	181.325,102	1.076,48	76°41'36"	267°48'40"	127,410	1,626
294	MF	8.245.787,720	181.308,470	1.076,50	78°53'28"	270°00'32"	109,408	1,650
295	MF	8.245.774,290	181.290,325	1.076,24	85°05'56"	276°13'00"	89,540	1,393
296	MF	8.245.761,595	181.278,192	1.075,95	93°44'42"	284°51'46"	77,245	1,104
297	MF	8.245.773,763	181.285,025	1.076,15	85°08'53"	276°15'57"	84,215	1,305
298	MF	8.245.783,624	181.287,500	1.076,19	78°52'40"	269°59'44"	88,041	1,339
299	MF	8.245.789,181	181.280,389	1.076,13	74°07'41"	265°14'45"	82,420	1,283
300	MF	8.245.782,305	181.280,278	1.076,10	78°48'27"	269°55'31"	80,701	1,255
301	MF	8.245.777,417	181.279,132	1.076,09	82°08'09"	273°15'13"	78,761	1,235
302	MF	8.245.770,700	181.275,263	1.076,01	86°51'59"	277°59'03"	74,262	1,156
303	MF	8.245.753,325	181.263,569	1.075,83	102°02'06"	293°09'10"	63,861	0,975
304	MF	8.245.787,305	181.264,728	1.075,93	72°00'16"	263°07'20"	66,888	1,077
305	MF	8.245.785,094	181.246,016	1.075,77	67°39'35"	258°46'39"	48,548	0,919
306	MF	8.245.783,105	181.228,487	1.075,58	58°58'28"	250°05'32"	31,945	0,731
307	MF	8.245.781,211	181.209,926	1.075,40	31°10'12"	222°17'16"	17,030	0,555
308	MF	8.245.780,538	181.194,015	1.075,15	332°56'54"	164°03'58"	15,605	0,300
309	MF	8.245.780,208	181.176,641	1.074,94	299°00'22"	130°07'26"	27,980	0,087
310	MF	8.245.770,535	181.196,076	1.074,80	307°43'09"	138°50'13"	6,366	-0,050
311	MF	8.245.759,095	181.210,762	1.074,88	128°01'24"	319°08'28"	12,249	0,027
312	MF	8.245.737,999	181.227,358	1.074,84	137°29'54"	328°36'58"	38,848	-0,007
313	MF	8.245.733,193	181.218,863	1.074,56	152°02'41"	343°09'45"	37,865	-0,294
314	MF	8.245.749,225	181.207,027	1.074,62	161°14'26"	352°21'30"	18,392	-0,229
315	MF	8.245.762,516	181.190,590	1.074,57	248°35'56"	79°43'00"	11,301	-0,275
316	MF	8.245.769,235	181.177,990	1.074,55	276°24'16"	107°31'20"	23,267	-0,298
317	MF	8.245.773,175	181.166,621	1.074,62	280°43'43"	111°50'47"	35,104	-0,233
318	MF	8.245.775,998	181.153,613	1.074,60	281°08'44"	112°15'48"	48,412	-0,252
319	MF	8.245.776,887	181.139,621	1.074,52	279°27'40"	110°34'44"	62,339	-0,328
320	BL	8.245.818,607	181.208,569	1.075,13	8°09'59"	199°17'03"	52,499	0,283
321	CAL	8.245.820,292	181.208,998	1.075,37	8°21'43"	199°28'47"	54,228	0,519
322	CAL	8.245.821,758	181.208,815	1.075,37	7°57'21"	199°04'25"	55,653	0,524
323	CAL	8.245.828,351	181.208,636	1.076,05	6°57'04"	198°04'08"	62,168	1,197
324	CAL	8.245.830,526	181.208,404	1.076,14	6°30'43"	197°37'47"	64,301	1,287
325	CAL-MF	8.245.832,233	181.220,573	1.076,32	16°31'32"	207°38'36"	68,419	1,466
326	CAL-MF	8.245.843,470	181.221,549	1.076,26	14°53'46"	206°00'50"	79,502	1,410
327	CAL	8.245.844,418	181.223,012	1.076,39	15°43'32"	206°50'36"	80,803	1,535
328	MU	8.245.844,636	181.221,710	1.076,31	14°47'37"	205°54'41"	80,670	1,458
329	CAL	8.245.832,455	181.221,885	1.076,40	17°31'03"	208°38'07"	69,015	1,548
330	CAL	8.245.830,284	181.221,973	1.076,38	18°08'53"	209°15'57"	66,976	1,531

Nome	Descrição	Norte	Este	Cota
G1		8.245.766,640	181.201,112	1.074,85

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
331	PVE	8.245.829,898	181.223,074	1.076,63	19°08'45"	210°15'49"	66,962	1,784
332	PVE	8.245.822,233	181.210,490	1.075,48	9°34'32"	200°41'36"	56,379	0,629
333	PVA	8.245.825,915	181.208,634	1.076,23	7°13'57"	198°21'01"	59,750	1,382
334	PC	8.245.827,748	181.211,667	1.075,95	9°48'01"	200°55'05"	62,013	1,100
335	C	8.245.825,962	181.208,953	1.075,73	7°31'48"	198°38'52"	59,838	0,884
336	C	8.245.829,811	181.222,413	1.076,37	18°38'03"	209°45'07"	66,666	1,518
337	CAL	8.245.828,109	181.207,165	1.076,00	5°37'28"	196°44'32"	61,766	1,151
338	CAL	8.245.830,396	181.206,877	1.076,17	5°10'00"	196°17'04"	64,016	1,316
339	CAL	8.245.831,742	181.207,076	1.076,08	5°14'03"	196°21'07"	65,375	1,229
340	MF	8.245.832,981	181.207,442	1.075,92	5°27'01"	196°34'05"	66,642	1,068
341	MF	8.245.844,754	181.208,708	1.075,91	5°33'16"	196°40'20"	78,483	1,061
342	MU	8.245.845,729	181.211,226	1.076,22	7°17'16"	198°24'20"	79,733	1,370
343	CAL	8.245.821,761	181.209,030	1.075,38	8°10'27"	199°17'31"	55,686	0,528
344	CAL	8.245.820,227	181.208,856	1.075,35	8°13'23"	199°20'27"	54,143	0,503
345	CAL	8.245.835,439	181.176,278	1.075,68	340°09'08"	171°16'12"	73,144	0,834
346	CAL	8.245.840,525	181.177,446	1.075,69	342°14'22"	173°21'26"	77,582	0,836
347	MF	8.245.841,505	181.178,906	1.075,52	343°28'43"	174°35'47"	78,089	0,668
348	MF	8.245.836,557	181.178,331	1.075,63	341°57'11"	173°04'15"	73,535	0,784
349	MU	8.245.848,279	181.190,488	1.075,94	352°35'08"	183°42'12"	82,328	1,087
350	MU	8.245.849,695	181.180,446	1.075,86	346°01'38"	177°08'42"	85,588	1,012
351	MF	8.245.847,085	181.190,172	1.075,78	352°15'20"	183°22'24"	81,186	0,928
352	MF	8.245.850,203	181.167,528	1.075,40	338°06'17"	169°13'21"	90,059	0,551
353	MF	8.245.843,581	181.165,002	1.075,24	334°51'31"	165°58'35"	84,993	0,389
354	MU	8.245.851,172	181.169,816	1.075,59	339°41'04"	170°48'08"	90,139	0,744
355	MU-GRA	8.245.852,643	181.159,473	1.075,55	334°09'57"	165°17'01"	95,553	0,701
356	GRA	8.245.853,886	181.150,119	1.075,26	329°41'41"	160°48'45"	101,055	0,410
357	BL	8.245.845,569	181.150,775	1.074,87	327°28'20"	158°35'24"	93,614	0,020
358	CAL	8.245.842,481	181.163,760	1.075,39	333°46'48"	164°53'52"	84,540	0,543
359	CAL	8.245.844,202	181.150,198	1.075,09	326°43'04"	157°50'08"	92,780	0,241
360	CAL	8.245.843,320	181.146,476	1.075,00	324°31'46"	155°38'50"	94,154	0,149
361	CAL	8.245.841,800	181.146,154	1.075,04	323°49'31"	154°56'35"	93,110	0,188
362	PVA	8.245.841,864	181.152,119	1.075,21	326°55'28"	158°02'32"	89,772	0,360
363	MF	8.245.843,467	181.145,166	1.074,83	323°56'15"	155°03'19"	95,038	-0,016
364	MF	8.245.845,585	181.146,978	1.074,87	325°33'39"	156°40'43"	95,723	0,022
365	MF	8.245.845,710	181.149,111	1.074,89	326°40'07"	157°47'11"	94,637	0,043
366	MF	8.245.852,850	181.149,303	1.075,31	328°59'44"	160°06'48"	100,580	0,465
367	MF	8.245.853,914	181.147,640	1.075,10	328°30'17"	159°37'21"	102,352	0,248
368	MF	8.245.855,898	181.147,387	1.075,12	328°57'22"	160°04'26"	104,180	0,274
369	PC	8.245.866,210	181.140,943	1.075,69	328°51'22"	159°58'26"	116,338	0,839
370	PC	8.245.851,959	181.138,641	1.075,12	323°47'17"	154°54'21"	105,745	0,270
371	TP	8.245.865,014	181.140,080	1.075,61	328°11'03"	159°18'07"	115,769	0,764
372	MF	8.245.862,770	181.141,238	1.075,35	328°05'01"	159°12'05"	113,252	0,504
373	MF	8.245.839,511	181.137,177	1.074,75	318°44'15"	149°51'19"	96,943	-0,096
374	CAL	8.245.863,117	181.139,829	1.075,48	327°34'33"	158°41'37"	114,296	0,632
375	CAL	8.245.839,781	181.135,794	1.074,85	318°14'02"	149°21'06"	98,061	0,002
376	CAL-MF	8.245.828,261	181.135,153	1.074,40	313°03'10"	144°10'14"	90,265	-0,452
377	CAL-MF	8.245.826,291	181.134,838	1.074,34	311°59'23"	143°06'27"	89,165	-0,507
378	CAL-MF	8.245.828,195	181.142,673	1.074,43	316°29'15"	147°36'19"	84,877	-0,417

Nome	Descrição	Norte	Este	Cota
G1		8.245.766,640	181.201,112	1.074,85

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
379	CAL-MF	8.245.826,056	181.142,302	1.074,38	315°17'38"	146°24'42"	83,599	-0,472
380	CAL-MF	8.245.820,313	181.133,495	1.074,11	308°26'31"	139°33'35"	86,329	-0,736
381	CAL-MF	8.245.818,706	181.131,846	1.074,04	306°55'53"	138°02'57"	86,653	-0,806
382	CAL-MF	8.245.820,678	181.141,740	1.074,17	312°18'26"	143°25'30"	80,282	-0,679
383	CAL-MF	8.245.818,759	181.142,515	1.074,15	311°39'04"	142°46'08"	78,422	-0,699
384	MF	8.245.816,974	181.147,188	1.074,20	313°01'41"	144°08'45"	73,766	-0,652
385	MF	8.245.817,272	181.126,696	1.073,97	304°13'52"	135°20'56"	90,008	-0,876
386	BL	8.245.817,059	181.148,229	1.074,14	313°38'00"	144°45'04"	73,066	-0,714
387	BL	8.245.821,644	181.141,671	1.074,12	312°46'47"	143°53'51"	80,986	-0,726
388	PVE	8.245.819,234	181.143,852	1.074,27	312°34'06"	143°41'10"	77,748	-0,575
389	PVE	8.245.819,197	181.150,558	1.074,56	316°06'45"	147°13'49"	72,924	-0,294
390	PVA	8.245.822,531	181.148,513	1.074,87	316°44'17"	147°51'21"	76,750	0,021
391	PC	8.245.824,322	181.161,218	1.074,93	325°19'53"	156°26'57"	70,134	0,081
392	MF	8.245.817,178	181.164,688	1.074,64	324°13'09"	155°20'13"	62,296	-0,212
393	PC	8.245.851,718	181.159,424	1.075,37	333°53'43"	165°00'47"	94,742	0,520
394	PC	8.245.846,141	181.200,475	1.076,01	359°32'27"	190°39'31"	79,504	1,161
395	CAL	8.245.818,734	181.168,863	1.074,79	328°14'26"	159°21'30"	61,268	-0,064
396	CAL	8.245.820,380	181.168,454	1.074,79	328°42'47"	159°49'51"	62,885	-0,055
397	CAL	8.245.825,646	181.167,640	1.075,12	330°26'06"	161°33'10"	67,839	0,270
398	CAL	8.245.827,831	181.167,109	1.075,14	330°56'22"	162°03'26"	70,004	0,286
399	LU	8.245.821,168	181.192,135	1.075,22	350°39'05"	181°46'09"	55,262	0,365
400	LU	8.245.831,242	181.164,317	1.075,15	330°20'08"	161°27'12"	74,346	0,303
401	PLS	8.245.818,520	181.195,260	1.075,22	353°33'50"	184°40'54"	52,209	0,373
402	PLS	8.245.818,208	181.181,201	1.074,92	338°53'16"	170°00'20"	55,279	0,067
AM3	PLP	8.245.818,424	181.158,831	1.075,94	320°46'08"	151°53'12"	66,853	1,087
403	AV	8.245.838,443	181.151,667	1.075,02	325°26'53"	156°33'57"	87,181	0,168
404	AV	8.245.830,571	181.154,992	1.075,02	324°11'36"	155°18'40"	78,830	0,172
405	AV	8.245.834,043	181.162,548	1.075,33	330°13'28"	161°20'32"	77,655	0,483
406	AV	8.245.833,603	181.169,716	1.075,38	334°52'49"	165°59'53"	73,958	0,526
407	AV	8.245.836,745	181.173,970	1.075,46	338°50'09"	169°57'13"	75,176	0,609
408	AV	8.245.828,957	181.174,569	1.075,31	336°55'47"	168°02'51"	67,735	0,460
409	AV	8.245.830,080	181.178,647	1.075,51	340°30'00"	171°37'04"	67,300	0,660
410	AV	8.245.832,193	181.184,126	1.075,78	345°28'23"	176°35'27"	67,718	0,934
411	AV	8.245.831,306	181.193,710	1.076,20	353°28'13"	184°35'17"	65,089	1,351
412	AV	8.245.822,208	181.200,913	1.075,43	359°47'40"	190°54'44"	55,568	0,576
413	AV	8.245.831,049	181.203,251	1.076,01	1°54'07"	193°01'11"	64,444	1,155
414	AV	8.245.830,774	181.206,734	1.076,13	5°00'35"	196°07'39"	64,380	1,281
415	AV	8.245.833,111	181.223,107	1.076,43	18°18'34"	209°25'38"	70,016	1,578
416	AV	8.245.835,431	181.222,532	1.076,03	17°17'43"	208°24'47"	72,048	1,179
417	AV	8.245.840,620	181.242,486	1.076,46	29°13'00"	220°20'04"	84,763	1,608
418	AV	8.245.841,785	181.250,154	1.076,55	33°07'47"	224°14'51"	89,733	1,704
419	LU	8.245.838,131	181.247,301	1.076,54	32°51'57"	223°59'01"	85,113	1,690
420	AV	8.245.849,757	181.247,323	1.076,54	29°04'23"	220°11'27"	95,099	1,693
421	AV	8.245.850,541	181.254,397	1.076,69	32°25'10"	223°32'14"	99,391	1,837
422	AV	8.245.841,736	181.258,997	1.076,77	37°37'32"	228°44'36"	94,816	1,918
423	AV	8.245.850,496	181.264,690	1.076,86	37°10'07"	228°17'11"	105,233	2,006
424	AV	8.245.843,945	181.268,351	1.076,78	41°01'00"	232°08'04"	102,455	1,928
425	AV	8.245.850,680	181.270,000	1.076,85	39°20'31"	230°27'35"	108,666	1,997

Nome	Descrição	Norte	Este	Cota
G1		8.245.766,640	181.201,112	1.074,85

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
426	AV	8.245.843,598	181.273,513	1.076,79	43°15'09"	234°22'13"	105,662	1,942
427	AV	8.245.848,240	181.273,436	1.076,92	41°33'05"	232°40'09"	109,038	2,067
428	LU	8.245.843,147	181.282,688	1.076,91	46°50'12"	237°57'16"	111,839	2,058
429	AV	8.245.851,522	181.285,405	1.077,03	44°48'02"	235°55'06"	119,625	2,176
430	AV	8.245.846,582	181.290,180	1.076,90	48°05'28"	239°12'32"	119,682	2,053
431	AV	8.245.835,799	181.297,280	1.076,83	54°16'42"	245°23'46"	118,453	1,978
432	AV	8.245.856,949	181.299,975	1.077,22	47°35'21"	238°42'25"	133,902	2,365
433	AV	8.245.856,889	181.307,724	1.077,27	49°45'05"	240°52'09"	139,682	2,418
434	AV	8.245.849,008	181.310,321	1.077,11	52°58'32"	244°05'36"	136,789	2,256
435	AV	8.245.850,121	181.317,300	1.077,20	54°18'11"	245°25'15"	143,069	2,346
436	LU	8.245.848,555	181.317,388	1.077,09	54°50'09"	245°57'13"	142,233	2,237
437	AV	8.245.794,943	181.193,431	1.075,05	344°48'58"	175°56'02"	29,327	0,199
438	AV	8.245.801,475	181.193,008	1.075,14	346°54'16"	178°01'20"	35,766	0,288
439	AV	8.245.796,915	181.189,915	1.075,01	339°42'16"	170°49'20"	32,279	0,158
440	AV	8.245.803,745	181.191,653	1.075,27	345°41'52"	176°48'56"	38,291	0,425
441	AV	8.245.795,002	181.185,794	1.074,99	331°37'39"	162°44'43"	32,234	0,145
442	AV	8.245.802,167	181.187,172	1.075,02	338°34'33"	169°41'37"	38,164	0,169
443	AV	8.245.799,087	181.190,295	1.075,05	341°33'44"	172°40'48"	34,203	0,201
444	AV	8.245.804,101	181.185,842	1.075,06	337°49'26"	168°56'30"	40,454	0,213

Nome	Descrição	Norte	Este	Cota
AUX2		8.245.805,941	181.062,663	1.074,02

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
445	MF	8.245.818,066	181.110,352	1.073,76	75°44'04"	329°53'13"	49,206	-0,262
446	MF	8.245.819,084	181.091,858	1.073,64	65°45'54"	319°55'03"	32,017	-0,376
447	MF	8.245.820,636	181.070,689	1.073,56	28°38'33"	282°47'42"	16,744	-0,459
448	MF	8.245.822,715	181.049,815	1.073,50	322°32'59"	216°42'08"	21,129	-0,522
449	MF	8.245.825,336	181.031,113	1.073,39	301°34'48"	195°43'57"	37,035	-0,625
450	MF	8.245.828,407	181.012,381	1.073,35	294°04'30"	188°13'39"	55,073	-0,664
451	MF	8.245.831,503	180.995,175	1.073,31	290°44'42"	184°53'51"	72,167	-0,712
452	AV	8.245.845,310	181.007,967	1.074,17	305°44'43"	199°53'52"	67,391	0,153
453	AV	8.245.843,908	181.003,013	1.073,91	302°28'36"	196°37'45"	70,708	-0,105
454	AV	8.245.843,034	181.016,374	1.074,24	308°42'23"	202°51'32"	59,318	0,223
455	LU	8.245.841,575	181.019,906	1.074,11	309°48'30"	203°57'39"	55,659	0,094
456	AV	8.245.840,415	181.025,445	1.074,27	312°48'27"	206°57'36"	50,731	0,250
457	AV	8.245.830,279	181.031,333	1.073,84	307°50'25"	201°59'34"	39,672	-0,181
458	AV	8.245.832,518	181.032,348	1.073,90	311°14'26"	205°23'35"	40,316	-0,121
459	AV	8.245.847,743	181.047,001	1.074,65	339°27'37"	233°36'46"	44,640	0,635
460	AV	8.245.830,102	181.046,060	1.074,14	325°30'11"	219°39'20"	29,316	0,122
461	AV	8.245.843,920	181.057,529	1.074,40	352°18'05"	246°27'14"	38,324	0,384
462	AV	8.245.827,798	181.044,313	1.073,76	319°59'07"	214°08'16"	28,539	-0,261
463	AV	8.245.841,138	181.062,880	1.074,35	0°21'13"	254°30'22"	35,197	0,330
464	AV	8.245.840,290	181.066,588	1.074,32	6°31'06"	260°40'15"	34,573	0,298
465	LU	8.245.835,528	181.060,279	1.074,21	355°23'33"	249°32'42"	29,682	0,190
466	AV	8.245.850,963	181.069,435	1.074,53	8°33'12"	262°42'21"	45,528	0,516
467	AV	8.245.823,871	181.074,146	1.073,79	32°38'09"	286°47'18"	21,292	-0,223
468	AV	8.245.850,378	181.074,901	1.074,53	15°23'51"	269°33'00"	46,091	0,515

Nome	Descrição	Norte	Este	Cota
AUX2		8.245.805,941	181.062,663	1.074,02

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
469	AV	8.245.844,554	181.073,442	1.074,39	15°35'50"	269°44'59"	40,090	0,376
470	AV	8.245.838,611	181.073,534	1.074,29	18°24'20"	272°33'29"	34,431	0,268
471	AV	8.245.839,668	181.070,023	1.074,30	12°18'36"	266°27'45"	34,521	0,287
472	AV	8.245.838,183	181.077,244	1.074,34	24°20'02"	278°29'11"	35,385	0,322
473	AV	8.245.842,992	181.078,717	1.074,48	23°25'36"	277°34'45"	40,379	0,458
474	AV	8.245.846,704	181.083,328	1.074,54	26°52'57"	281°02'06"	45,701	0,527
475	COQ	8.245.840,475	181.085,692	1.074,42	33°41'50"	287°50'59"	41,508	0,402
476	COQ	8.245.837,199	181.084,656	1.074,30	35°07'46"	289°16'55"	38,219	0,284
477	AV	8.245.837,041	181.090,837	1.074,33	42°10'25"	296°19'34"	41,964	0,317
478	LU	8.245.841,587	181.096,978	1.074,53	43°54'36"	298°03'45"	49,479	0,510
479	AV	8.245.822,678	181.105,993	1.073,93	68°52'50"	323°01'59"	46,450	-0,089
480	AV	8.245.821,951	181.112,054	1.073,90	72°02'26"	326°11'35"	51,921	-0,120
481	AV	8.245.843,628	181.110,143	1.075,71	51°33'33"	305°42'42"	60,619	1,696
482	AV	8.245.821,970	181.127,915	1.074,16	76°11'55"	330°21'04"	67,192	0,141
483	LU	8.245.831,043	181.128,328	1.074,43	69°04'46"	323°13'55"	70,299	0,417
484	GRA	8.245.847,191	181.126,663	1.074,91	57°11'49"	311°20'58"	76,141	0,892
485	GRA	8.245.850,684	181.111,447	1.074,89	47°28'27"	301°37'36"	66,195	0,873
486	GRA	8.245.853,428	181.112,158	1.075,23	46°11'10"	300°20'19"	68,591	1,214
487	GRA	8.245.855,139	181.104,502	1.075,20	40°22'42"	294°31'51"	64,582	1,183
488	GRA-MU	8.245.858,237	181.105,029	1.075,24	39°00'40"	293°09'49"	67,303	1,224
489	GRA-MU	8.245.859,945	181.097,341	1.075,63	32°42'22"	286°51'31"	64,179	1,611
490	GRA	8.245.852,551	181.095,799	1.074,81	35°24'35"	289°33'44"	57,188	0,792
491	GRA	8.245.854,123	181.088,254	1.074,94	27°58'27"	282°07'36"	54,557	0,922
492	GRA	8.245.855,804	181.080,187	1.074,74	19°21'50"	273°30'59"	52,852	0,723
493	GRA	8.245.857,622	181.072,262	1.074,66	10°31'20"	264°40'29"	52,565	0,646
494	GRA	8.245.861,992	181.073,107	1.074,77	10°33'17"	264°42'26"	57,015	0,748
495	GRA	8.245.863,858	181.065,049	1.074,77	2°21'33"	256°30'42"	57,966	0,751
496	GRA	8.245.864,667	181.061,769	1.074,74	359°07'38"	253°16'47"	58,732	0,727
497	AV	8.245.868,099	181.057,063	1.074,88	354°51'08"	249°00'17"	62,410	0,864
498	AV	8.245.873,129	181.058,802	1.075,09	356°42'39"	250°51'48"	67,298	1,072
499	AV	8.245.878,902	181.060,153	1.075,20	358°01'45"	252°10'54"	73,004	1,179
500	MF	8.245.881,726	181.046,694	1.075,08	348°06'04"	242°15'13"	77,449	1,058
501	MF	8.245.880,157	181.053,676	1.075,11	353°05'43"	247°14'52"	74,758	1,093
502	CAL	8.245.883,278	181.045,920	1.075,31	347°47'03"	241°56'12"	79,128	1,288
503	CAL	8.245.879,948	181.054,739	1.075,26	353°53'18"	248°02'27"	74,430	1,239
504	CAL	8.245.866,746	181.041,419	1.074,84	340°44'31"	234°53'40"	64,409	0,826
505	CAL	8.245.865,069	181.050,497	1.074,85	348°22'22"	242°31'31"	60,367	0,829
506	MF	8.245.865,848	181.042,136	1.074,74	341°05'10"	235°14'19"	63,326	0,721
507	MF	8.245.865,477	181.049,466	1.074,70	347°30'04"	241°39'13"	60,981	0,685
508	MF	8.245.852,433	181.038,221	1.074,37	332°16'04"	226°25'13"	52,525	0,351
509	MF	8.245.850,670	181.036,193	1.074,34	329°23'01"	223°32'10"	51,975	0,327
510	MF	8.245.850,648	181.033,862	1.074,25	327°12'32"	221°21'41"	53,181	0,229
511	MF	8.245.840,880	181.042,321	1.074,08	329°47'27"	223°56'36"	40,430	0,058
512	CAL	8.245.839,430	181.043,304	1.074,28	329°58'06"	224°07'15"	38,682	0,259
513	C	8.245.838,402	181.042,339	1.074,34	327°56'58"	222°06'07"	38,298	0,322
514	PVE	8.245.838,206	181.041,943	1.074,82	327°17'32"	221°26'41"	38,345	0,798
515	GRA	8.245.851,737	181.034,508	1.074,56	328°25'02"	222°34'11"	53,758	0,540
516	GRA	8.245.874,044	181.040,895	1.074,94	342°16'28"	236°25'37"	71,497	0,918

Nome	Descrição	Norte	Este	Cota
AUX2		8.245.805,941	181.062,663	1.074,02

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
517	GRA	8.245.873,504	181.042,976	1.075,00	343°45'16"	237°54'25"	70,372	0,979
518	GRA	8.245.857,695	181.014,164	1.074,62	316°51'32"	211°00'41"	70,927	0,606
519	GRA	8.245.863,654	180.994,337	1.074,75	310°11'12"	204°20'21"	89,439	0,728
520	GRA	8.245.866,695	180.984,617	1.074,93	307°53'54"	202°03'03"	98,905	0,910
521	MF	8.245.856,731	181.013,610	1.074,27	315°59'47"	210°08'56"	70,611	0,253
522	MF	8.245.849,631	181.012,200	1.074,28	310°53'07"	205°02'16"	66,748	0,266
523	MF	8.245.865,915	180.983,909	1.074,61	307°17'26"	201°26'35"	98,990	0,591
524	MF	8.245.859,204	180.982,005	1.074,41	303°26'19"	197°35'28"	96,658	0,389
525	CAL	8.245.857,885	180.981,704	1.074,66	302°41'03"	196°50'12"	96,190	0,639
526	CAL	8.245.845,402	181.021,934	1.074,38	314°05'40"	208°14'49"	56,710	0,367
527	CAL	8.245.839,212	181.021,306	1.074,01	308°48'58"	202°58'07"	53,079	-0,005
528	CAL	8.245.845,618	180.978,892	1.073,83	295°20'38"	189°29'47"	92,692	-0,187
529	CAL	8.245.843,622	180.978,634	1.073,80	294°09'09"	188°18'18"	92,090	-0,217
530	CAL	8.245.837,211	181.021,277	1.073,98	307°04'24"	201°13'33"	51,871	-0,040
531	CAL	8.245.830,313	181.020,673	1.073,61	300°07'53"	194°17'02"	48,550	-0,404
532	CAL	8.245.828,643	181.020,405	1.073,59	298°14'43"	192°23'52"	47,970	-0,427
533	CAL	8.245.838,230	180.977,223	1.073,45	290°42'08"	184°51'17"	91,338	-0,563
534	CAL	8.245.836,781	180.976,760	1.073,43	289°44'55"	183°54'04"	91,272	-0,587
535	PC	8.245.838,346	181.008,750	1.073,78	301°00'30"	195°09'39"	62,902	-0,237
536	BL	8.245.823,707	181.042,239	1.073,25	311°01'07"	205°10'16"	27,070	-0,767
537	PVA	8.245.826,145	181.042,603	1.073,66	315°12'16"	209°21'25"	28,472	-0,354
538	CAL	8.245.825,030	181.045,061	1.073,69	317°19'09"	211°28'18"	25,966	-0,329
539	CAL	8.245.826,486	181.045,303	1.073,70	319°48'10"	213°57'19"	26,898	-0,322
540	CAL	8.245.833,798	181.046,241	1.074,07	329°28'50"	223°37'59"	32,337	0,048
541	CAL	8.245.835,510	181.046,473	1.074,09	331°17'53"	225°27'02"	33,711	0,077
542	PCT	8.245.830,319	181.058,754	1.074,07	350°53'19"	245°02'28"	24,689	0,052
543	PVE	8.245.824,034	181.065,164	1.073,77	7°52'09"	262°01'18"	18,265	-0,248
544	CAL	8.245.822,487	181.067,346	1.073,77	15°48'10"	269°57'19"	17,196	-0,250
545	CAL	8.245.824,026	181.067,420	1.073,78	14°44'11"	268°53'20"	18,700	-0,242
546	CAL	8.245.830,857	181.068,198	1.074,11	12°31'31"	266°40'40"	25,524	0,089
547	CAL	8.245.832,758	181.068,428	1.074,13	12°07'58"	266°17'07"	27,430	0,111
548	CAL	8.245.832,663	181.081,784	1.074,19	35°35'10"	289°44'19"	32,859	0,176
549	CAL	8.245.838,049	181.091,130	1.074,37	41°33'38"	295°42'47"	42,911	0,353
550	CAL	8.245.847,924	181.090,887	1.074,62	33°54'41"	288°03'50"	50,588	0,606
551	CAL	8.245.843,693	181.081,655	1.074,31	26°42'22"	280°51'31"	42,260	0,292
552	CAL	8.245.836,540	181.083,509	1.074,20	34°15'56"	288°25'05"	37,024	0,187
553	CAL	8.245.839,759	181.087,458	1.074,57	36°14'52"	290°24'01"	41,934	0,557
554	CAL	8.245.844,515	181.088,453	1.074,51	33°46'00"	287°55'09"	46,401	0,493
555	CAL	8.245.841,192	181.084,908	1.074,54	32°15'13"	286°24'22"	41,683	0,518
556	ED	8.245.835,922	181.097,124	1.074,54	48°58'36"	303°07'45"	45,677	0,523
557	ED	8.245.832,581	181.096,512	1.074,54	51°47'46"	305°56'55"	43,075	0,523
558	ED	8.245.832,089	181.099,868	1.074,54	54°54'02"	309°03'11"	45,474	0,519
559	PC	8.245.826,099	181.109,484	1.074,15	66°42'26"	320°51'35"	50,976	0,133
560	CAL	8.245.829,549	181.107,344	1.074,25	62°08'59"	316°18'08"	50,534	0,234
561	CAL	8.245.827,550	181.106,879	1.074,22	63°57'15"	318°06'24"	49,214	0,198
562	CAL	8.245.821,456	181.105,525	1.073,92	70°06'06"	324°15'15"	45,583	-0,094
563	CAL	8.245.819,934	181.105,516	1.073,89	71°55'00"	326°04'09"	45,080	-0,126

Nome	Descrição	Norte	Este	Cota
AUX1		8.245.828,441	181.412,441	1.077,86

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
564	MF	8.245.760,875	181.287,113	1.075,77	241°40'13"	347°58'17"	142,381	-2,092
565	MF	8.245.775,280	181.303,039	1.076,16	244°05'02"	350°23'06"	121,634	-1,698
566	MF	8.245.785,138	181.319,955	1.076,40	244°54'37"	351°12'41"	102,121	-1,462
567	MF	8.245.791,111	181.337,932	1.076,68	243°23'18"	349°41'22"	83,337	-1,182
568	MF	8.245.800,300	181.365,757	1.076,94	238°55'05"	345°13'09"	54,509	-0,922
569	MF	8.245.803,373	181.383,887	1.077,13	228°43'08"	335°01'12"	37,996	-0,731
570	MF	8.245.800,748	181.416,346	1.077,52	171°58'23"	278°16'27"	27,967	-0,339
571	MF	8.245.808,125	181.463,560	1.077,82	111°40'27"	217°58'31"	55,009	-0,039
572	MF	8.245.822,302	181.493,497	1.078,12	94°19'53"	200°37'57"	81,289	0,256
573	MF	8.245.825,178	181.510,733	1.078,26	91°54'04"	198°12'08"	98,346	0,401
574	MF	8.245.808,672	181.415,315	1.077,39	171°43'43"	278°01'47"	19,977	-0,475
575	MF	8.245.806,929	181.415,614	1.077,42	171°36'29"	277°54'33"	21,745	-0,438
576	MF	8.245.814,740	181.461,158	1.077,72	105°42'28"	212°00'32"	50,607	-0,141
577	MF	8.245.816,896	181.462,163	1.077,73	103°04'18"	209°22'22"	51,045	-0,134
578	MF	8.245.828,449	181.460,496	1.077,96	89°59'25"	196°17'29"	48,055	0,101
579	MF	8.245.826,684	181.451,078	1.077,87	92°36'14"	198°54'18"	38,677	0,013
580	MF	8.245.825,762	181.444,569	1.077,78	94°46'03"	201°04'07"	32,240	-0,078
581	MF	8.245.826,687	181.440,526	1.077,79	93°34'29"	199°52'33"	28,140	-0,072
582	MF	8.245.831,720	181.438,988	1.077,82	82°57'33"	189°15'37"	26,749	-0,043
583	MF	8.245.838,003	181.442,698	1.077,83	72°27'45"	178°45'49"	31,732	-0,026
584	MF	8.245.839,628	181.449,121	1.077,81	73°02'20"	179°20'24"	38,348	-0,054
585	MF	8.245.836,989	181.430,626	1.077,78	64°49'24"	171°07'28"	20,094	-0,075
586	MF	8.245.824,287	181.432,682	1.077,73	101°35'52"	207°53'56"	20,663	-0,126
587	MF	8.245.834,411	181.412,186	1.077,64	357°33'22"	103°51'26"	5,975	-0,219
588	MF	8.245.819,998	181.413,326	1.077,46	174°01'03"	280°19'07"	8,490	-0,401
589	MF	8.245.831,836	181.392,985	1.077,43	279°53'56"	26°12'00"	19,750	-0,428
590	MF	8.245.816,246	181.395,557	1.077,26	234°09'38"	340°27'42"	20,827	-0,604
591	MF	8.245.829,164	181.373,925	1.077,30	271°04'30"	17°22'34"	38,522	-0,557
592	MF	8.245.813,136	181.375,195	1.076,99	247°39'41"	353°57'45"	40,268	-0,869
593	MF	8.245.826,622	181.355,324	1.077,16	268°10'31"	14°28'35"	57,146	-0,701
594	MF	8.245.810,514	181.355,587	1.076,66	252°29'56"	358°48'00"	59,613	-1,197
595	MF	8.245.824,285	181.338,813	1.077,03	266°46'09"	13°04'13"	73,745	-0,831
596	MF	8.245.808,239	181.339,351	1.076,47	254°32'57"	0°51'01"	75,830	-1,392
597	MF	8.245.820,043	181.330,573	1.076,97	264°08'35"	10°26'39"	82,297	-0,889
598	MF	8.245.807,244	181.331,572	1.076,35	255°18'44"	1°36'48"	83,600	-1,510
599	MF	8.245.817,000	181.309,887	1.076,67	263°38'03"	9°56'07"	103,190	-1,186
600	MF	8.245.815,532	181.307,709	1.076,61	262°58'24"	9°16'28"	105,524	-1,251
601	MF	8.245.813,721	181.307,561	1.076,55	262°00'37"	8°18'41"	105,908	-1,310
602	MF	8.245.807,175	181.308,736	1.076,35	258°24'41"	4°42'45"	105,863	-1,512
603	MF	8.245.804,950	181.309,839	1.076,25	257°06'14"	3°24'18"	105,257	-1,614
604	MF	8.245.804,404	181.312,118	1.076,23	256°31'33"	2°49'37"	103,163	-1,629
605	PC	8.245.811,698	181.314,450	1.077,08	260°18'14"	6°36'18"	99,411	-0,778
606	PC	8.245.787,176	181.300,976	1.076,22	249°41'06"	355°59'10"	118,858	-1,641
607	LU	8.245.815,561	181.333,681	1.077,00	260°42'44"	7°00'48"	79,806	-0,862
608	SMF	8.245.789,839	181.290,635	1.076,07	252°24'56"	358°43'00"	127,777	-1,787
609	SMF	8.245.802,046	181.289,051	1.076,19	257°55'32"	4°13'36"	126,182	-1,673
610	SMF	8.245.803,171	181.288,250	1.076,32	258°29'54"	4°47'58"	126,736	-1,536
611	SMF	8.245.815,010	181.278,503	1.076,54	264°16'24"	10°34'28"	134,609	-1,321

Nome	Descrição	Norte	Este	Cota
AUX1		8.245.828,441	181.412,441	1.077,86

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
612	SMF	8.245.827,390	181.276,817	1.076,30	269°33'21"	15°51'25"	135,628	-1,556
613	PRD	8.245.830,472	181.300,869	1.076,60	271°02'34"	17°20'38"	111,591	-1,258
614	LU	8.245.820,970	181.373,065	1.077,36	259°15'24"	5°33'28"	40,078	-0,497
615	PLS	8.245.825,061	181.352,481	1.075,21	266°46'23"	13°04'27"	60,055	-2,646
616	PLS	8.245.825,760	181.358,653	1.075,27	267°08'46"	13°26'50"	53,855	-2,586
617	PLS	8.245.829,626	181.388,720	1.075,51	272°51'33"	19°09'37"	23,750	-2,348
618	PLS	8.245.832,558	181.404,387	1.075,63	297°04'28"	43°22'32"	9,045	-2,228
619	PLS	8.245.836,219	181.428,352	1.075,90	63°56'59"	170°15'03"	17,710	-1,956
620	PLS	8.245.822,861	181.422,686	1.075,61	118°34'39"	224°52'43"	11,666	-2,252
621	PLS	8.245.809,832	181.424,744	1.077,60	146°31'48"	252°49'52"	22,308	-0,261
622	PLS	8.245.801,432	181.426,097	1.077,81	153°10'42"	259°28'46"	30,265	-0,050
623	PLS	8.245.813,855	181.448,525	1.077,80	112°00'36"	218°18'40"	38,921	-0,061
624	PLS	8.245.814,877	181.453,956	1.077,85	108°05'36"	214°23'40"	43,675	-0,008
625	PLS	8.245.827,641	181.452,450	1.077,94	91°08'45"	197°26'49"	40,017	0,078
626	PLS	8.245.840,977	181.467,157	1.078,22	77°05'44"	183°23'48"	56,133	0,356
627	AV	8.245.819,193	181.376,655	1.077,27	255°30'37"	1°48'41"	36,961	-0,591
628	AV	8.245.818,173	181.383,979	1.077,13	250°09'42"	356°27'46"	30,258	-0,734
629	AV	8.245.820,972	181.395,713	1.077,29	245°56'16"	352°14'20"	18,320	-0,571
630	AV	8.245.825,828	181.399,039	1.077,49	258°57'53"	5°15'57"	13,654	-0,370
631	LU	8.245.826,728	181.412,842	1.077,81	166°49'56"	273°08'00"	1,759	-0,052
632	LU	8.245.833,685	181.452,158	1.078,11	82°28'43"	188°46'47"	40,061	0,248
633	AV	8.245.836,238	181.456,979	1.078,14	80°04'15"	186°22'19"	45,215	0,275
634	AV	8.245.833,990	181.459,316	1.078,16	83°14'57"	189°33'01"	47,202	0,303
635	AV	8.245.832,818	181.460,339	1.078,19	84°46'45"	191°04'49"	48,098	0,333
636	AV	8.245.790,378	181.445,835	1.077,94	138°44'18"	245°02'22"	50,636	0,081
637	COQ	8.245.789,863	181.441,192	1.077,92	143°18'14"	249°36'18"	48,113	0,060
638	COQ	8.245.787,748	181.430,758	1.077,81	155°46'00"	262°04'04"	44,626	-0,046
639	COQ	8.245.782,121	181.433,958	1.077,87	155°05'00"	261°23'04"	51,074	0,009
640	COQ	8.245.779,839	181.444,817	1.077,91	146°19'49"	252°37'53"	58,399	0,046
641	AV	8.245.797,725	181.400,398	1.077,63	201°24'33"	307°42'37"	32,993	-0,233
642	AV	8.245.792,754	181.399,490	1.077,81	199°56'46"	306°14'50"	37,964	-0,054
643	AV	8.245.797,582	181.390,487	1.077,49	215°25'44"	321°43'48"	37,872	-0,369
644	AV	8.245.796,884	181.371,730	1.077,25	232°13'08"	338°31'12"	51,509	-0,605
645	LU	8.245.798,578	181.374,114	1.077,33	232°04'31"	338°22'35"	48,587	-0,532
646	AV	8.245.794,187	181.363,339	1.077,13	235°05'58"	341°24'02"	59,869	-0,734
647	AV	8.245.791,583	181.356,940	1.077,04	236°24'43"	342°42'47"	66,625	-0,824
648	LU	8.245.790,190	181.345,113	1.076,92	240°23'50"	346°41'54"	77,435	-0,937
649	LU	8.245.781,249	181.318,764	1.076,50	243°15'44"	349°33'48"	104,893	-1,363
650	AV	8.245.781,903	181.330,160	1.076,70	240°30'26"	346°48'30"	94,530	-1,165
651	AV	8.245.772,110	181.309,769	1.076,52	241°14'54"	347°32'58"	117,110	-1,344
652	PLS	8.245.784,516	181.326,280	1.076,61	242°59'15"	349°17'19"	96,711	-1,253
653	LU	8.245.769,552	181.300,592	1.076,18	242°13'58"	348°32'02"	126,405	-1,683
654	AV	8.245.791,574	181.300,297	1.076,37	251°48'06"	358°06'10"	118,048	-1,494
655	AV	8.245.851,052	181.324,014	1.077,16	284°20'36"	30°38'40"	91,272	-0,703
656	AV	8.245.851,264	181.330,787	1.077,52	285°36'58"	31°55'02"	84,783	-0,340
657	AV	8.245.842,194	181.341,817	1.077,00	281°01'11"	27°19'15"	71,950	-0,861
658	LU	8.245.852,852	181.353,372	1.077,36	292°27'12"	38°45'16"	63,914	-0,496
659	AV	8.245.843,263	181.356,005	1.077,15	284°42'53"	31°00'57"	58,350	-0,708

Nome	Descrição	Norte	Este	Cota
AUX1		8.245.828,441	181.412,441	1.077,86

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
660	AV	8.245.858,991	181.361,860	1.077,22	301°07'52"	47°25'56"	59,090	-0,643
661	AV	8.245.844,652	181.362,890	1.077,26	288°06'56"	34°25'00"	52,135	-0,598
662	AV	8.245.871,659	181.368,202	1.077,70	314°19'51"	60°37'55"	61,845	-0,158
663	AV	8.245.843,878	181.372,375	1.077,29	291°04'15"	37°22'19"	42,936	-0,566
664	AV	8.245.879,058	181.363,130	1.077,87	315°44'54"	62°02'58"	70,665	0,008
665	AV	8.245.847,030	181.374,708	1.077,34	296°13'37"	42°31'41"	42,063	-0,515
666	AV	8.245.866,348	181.374,582	1.077,58	315°02'10"	61°20'14"	53,575	-0,282
667	AV	8.245.847,372	181.387,027	1.077,42	306°40'57"	52°59'01"	31,690	-0,441
668	AV	8.245.874,270	181.377,762	1.077,67	322°53'06"	69°11'10"	57,471	-0,190
669	AV	8.245.846,934	181.394,990	1.077,50	316°39'38"	62°57'42"	25,426	-0,364
670	AV	8.245.879,882	181.380,907	1.078,26	328°29'28"	74°47'32"	60,337	0,403
671	LU	8.245.857,960	181.389,406	1.077,65	322°02'03"	68°20'07"	37,443	-0,210
672	AV	8.245.875,261	181.387,402	1.077,91	331°51'45"	78°09'49"	53,094	0,048
673	AV	8.245.858,189	181.395,751	1.077,56	330°42'19"	77°00'23"	34,110	-0,297
674	AV	8.245.869,552	181.403,289	1.077,90	347°27'01"	93°45'05"	42,117	0,038
675	AV	8.245.862,309	181.410,815	1.078,00	357°15'05"	103°33'09"	33,907	0,143
676	AV	8.245.875,380	181.413,342	1.077,92	1°05'59"	107°24'03"	46,947	0,064
677	AV	8.245.865,066	181.419,194	1.077,61	10°26'51"	116°44'55"	37,243	-0,249
678	AV	8.245.868,114	181.424,191	1.077,91	16°29'55"	122°47'59"	41,376	0,048
679	LU	8.245.865,552	181.427,022	1.077,87	21°27'00"	127°45'04"	39,872	0,013
680	AV	8.245.862,558	181.425,059	1.077,83	20°17'49"	126°35'53"	36,376	-0,035
681	TP	8.245.863,333	181.426,527	1.077,86	21°59'06"	128°17'10"	37,628	0,004
682	AV	8.245.850,890	181.424,877	1.077,77	28°59'04"	135°17'08"	25,664	-0,090
683	PLS	8.245.849,013	181.436,261	1.077,71	49°11'05"	155°29'09"	31,474	-0,146
684	PLS	8.245.849,488	181.437,583	1.077,84	50°04'02"	156°22'06"	32,788	-0,020
685	QQ	8.245.870,128	181.428,540	1.078,02	21°06'58"	127°25'02"	44,688	0,158
686	QQ	8.245.864,755	181.429,174	1.077,91	24°44'23"	131°02'27"	39,983	0,055
686	QQ	8.245.861,561	181.429,305	1.077,80	26°59'05"	133°17'09"	37,166	-0,058
687	QQ	8.245.862,502	181.435,450	1.077,83	34°02'26"	140°20'30"	41,104	-0,033
688	CAL-MF	8.245.847,413	181.428,538	1.077,55	40°18'49"	146°36'53"	24,881	-0,308
689	CAL-MF	8.245.847,387	181.428,599	1.077,55	40°27'32"	146°45'36"	24,900	-0,308
690	CAL-MF	8.245.847,682	181.430,841	1.077,56	43°43'15"	150°01'19"	26,623	-0,304
691	CAL-MF	8.245.849,418	181.431,573	1.077,72	42°22'00"	148°40'04"	28,391	-0,138
692	CAL-MF	8.245.851,136	181.432,152	1.077,74	40°58'34"	147°16'38"	30,060	-0,115
693	CAL-MF	8.245.850,818	181.429,788	1.077,74	37°47'05"	144°05'09"	28,313	-0,119
694	CAL-MF	8.245.849,081	181.429,278	1.077,70	39°12'27"	145°30'31"	26,636	-0,164
695	CAL-MF	8.245.851,796	181.436,660	1.077,77	46°02'27"	152°20'31"	33,646	-0,087
696	CAL-MF	8.245.850,381	181.438,700	1.077,82	50°07'16"	156°25'20"	34,218	-0,044
697	CAL-MF	8.245.859,584	181.435,840	1.077,80	36°55'12"	143°13'16"	38,954	-0,059
698	CAL-MF	8.245.859,652	181.435,473	1.077,77	36°25'31"	142°43'35"	38,789	-0,090
699	CAL-MF	8.245.859,991	181.433,303	1.077,80	33°28'28"	139°46'32"	37,824	-0,059
700	CAL-MF	8.245.862,514	181.435,534	1.077,82	34°07'40"	140°25'44"	41,161	-0,041
701	CAL-MF	8.245.862,844	181.437,417	1.077,83	35°58'47"	142°16'51"	42,513	-0,031
702	PC	8.245.885,401	181.432,416	1.077,94	19°19'31"	125°37'35"	60,360	0,077
703	PC	8.245.882,868	181.398,393	1.077,61	345°31'39"	91°49'43"	56,211	-0,246
704	PVE	8.245.888,621	181.432,990	1.077,90	18°51'11"	125°09'15"	63,592	0,044
705	CAL	8.245.885,915	181.431,132	1.077,91	18°00'53"	124°18'57"	60,436	0,053
706	CAL	8.245.882,444	181.398,925	1.077,81	345°56'53"	92°14'57"	55,668	-0,048

Nome	Descrição	Norte	Este	Cota
AUX1		8.245.828,441	181.412,441	1.077,86

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
707	MF	8.245.883,814	181.399,222	1.077,59	346°34'25"	92°52'29"	56,929	-0,270
708	MF	8.245.885,892	181.429,785	1.077,75	16°47'57"	123°06'01"	60,012	-0,106
709	MF	8.245.898,100	181.428,621	1.077,80	13°04'37"	119°22'41"	71,513	-0,056
710	CAL	8.245.898,097	181.429,871	1.077,92	14°02'56"	120°21'00"	71,803	0,058
711	CAL-GRA	8.245.899,731	181.431,739	1.078,04	15°08'49"	121°26'53"	73,856	0,179
712	CAL	8.245.900,483	181.433,477	1.077,97	16°16'41"	122°34'45"	75,050	0,114
713	MU	8.245.899,420	181.428,624	1.077,94	12°50'38"	119°08'42"	72,800	0,080
714	MU	8.245.898,422	181.418,191	1.077,94	4°41'50"	110°59'54"	70,217	0,078
715	MU	8.245.897,590	181.407,902	1.077,96	356°14'40"	102°32'44"	69,297	0,101
716	MF	8.245.896,303	181.407,734	1.077,77	356°01'57"	102°20'01"	68,025	-0,092
717	MF	8.245.895,071	181.389,697	1.077,78	341°09'10"	87°27'14"	70,404	-0,083
718	MF	8.245.894,005	181.369,856	1.077,54	326°59'45"	73°17'49"	78,180	-0,322
719	MF	8.245.886,821	181.367,320	1.077,53	322°18'00"	68°36'04"	73,784	-0,327
720	MF	8.245.881,645	181.367,749	1.077,84	319°58'10"	66°16'14"	69,484	-0,016
721	PC	8.245.886,329	181.366,611	1.077,66	321°37'52"	67°55'56"	73,834	-0,204
722	BL	8.245.882,282	181.377,683	1.077,42	327°09'18"	73°27'22"	64,085	-0,443
723	CAL	8.245.880,384	181.367,100	1.078,07	318°52'55"	65°10'59"	68,948	0,206
724	CAL	8.245.885,284	181.365,908	1.078,00	320°41'44"	66°59'48"	73,460	0,139
725	CAL	8.245.885,351	181.359,517	1.077,82	317°04'43"	63°22'47"	77,715	-0,036
726	MF	8.245.886,512	181.358,631	1.077,59	317°10'52"	63°28'56"	79,169	-0,265
727	GRA	8.245.885,194	181.358,746	1.077,93	316°35'10"	62°53'14"	78,129	0,069
728	PVE	8.245.884,099	181.359,340	1.078,42	316°20'48"	62°38'52"	76,926	0,559
729	C	8.245.883,985	181.359,839	1.078,05	316°33'30"	62°51'34"	76,498	0,195
730	GRA	8.245.871,144	181.359,281	1.077,97	308°46'29"	55°04'33"	68,188	0,105
731	GRA	8.245.871,069	181.356,274	1.077,89	307°11'48"	53°29'52"	70,511	0,033
732	MU	8.245.862,396	181.356,441	1.077,61	301°13'49"	47°31'53"	65,490	-0,254
733	MU	8.245.862,080	181.346,178	1.077,59	296°54'54"	43°12'58"	74,312	-0,273
734	MU	8.245.861,946	181.336,073	1.077,60	293°41'19"	39°59'23"	83,394	-0,260
735	GRA	8.245.855,045	181.335,916	1.077,28	289°10'12"	35°28'16"	81,018	-0,578
736	GRA	8.245.854,828	181.325,973	1.077,47	286°58'13"	33°16'17"	90,404	-0,393
737	GRA	8.245.854,711	181.305,624	1.077,08	283°49'00"	30°07'04"	109,999	-0,782
738	CAL	8.245.843,214	181.298,406	1.076,82	277°22'52"	23°40'56"	114,988	-1,043
739	CAL	8.245.841,092	181.298,565	1.076,80	276°20'21"	22°38'25"	114,577	-1,064
740	CAL	8.245.832,806	181.300,135	1.076,62	272°13'33"	18°31'37"	112,391	-1,238
741	CAL	8.245.831,373	181.300,472	1.076,61	271°30'00"	17°48'04"	112,007	-1,246
742	PVE	8.245.830,020	181.279,788	1.076,41	270°40'55"	16°58'59"	132,662	-1,449
743	PVA	8.245.835,787	181.288,367	1.076,91	273°23'18"	19°41'22"	124,291	-0,954
744	CAL	8.245.839,324	181.270,683	1.076,63	274°23'24"	20°41'28"	142,174	-1,228
745	CAL	8.245.837,322	181.271,203	1.076,63	273°35'53"	19°53'57"	141,517	-1,233
746	CAL	8.245.836,904	181.268,338	1.076,42	273°21'39"	19°39'43"	144,351	-1,440
747	CAL	8.245.829,633	181.276,560	1.076,36	270°30'09"	16°48'13"	135,886	-1,501
748	CAL	8.245.829,983	181.279,205	1.076,37	270°39'47"	16°57'51"	133,244	-1,489
749	CAL	8.245.828,463	181.279,338	1.076,35	270°00'33"	16°18'37"	133,103	-1,514
750	BL	8.245.828,106	181.289,241	1.076,27	269°50'38"	16°08'42"	123,200	-1,595
751	BL	8.245.839,032	181.368,382	1.076,92	283°30'57"	29°49'01"	45,314	-0,942
752	MF	8.245.830,891	181.309,457	1.076,56	271°21'46"	17°39'50"	103,013	-1,301
753	MF	8.245.834,557	181.335,664	1.076,78	274°33'16"	20°51'20"	77,020	-1,077
754	CAL	8.245.836,163	181.335,682	1.076,88	275°44'41"	22°02'45"	77,146	-0,975

Nome	Descrição	Norte	Este	Cota
AUX1		8.245.828,441	181.412,441	1.077,86

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
755	CAL	8.245.837,651	181.335,434	1.076,88	276°49'13"	23°07'17"	77,556	-0,980
756	CAL	8.245.845,967	181.334,189	1.076,97	282°37'26"	28°55'30"	80,190	-0,894
757	CAL	8.245.848,096	181.333,979	1.077,16	284°03'48"	30°21'52"	80,886	-0,696
758	PC	8.245.844,364	181.332,041	1.077,22	281°12'07"	27°30'11"	81,961	-0,636
759	PVE	8.245.838,635	181.339,635	1.077,22	277°58'12"	24°16'16"	73,516	-0,643
760	C	8.245.838,954	181.339,677	1.076,90	278°13'17"	24°31'21"	73,519	-0,964
761	C	8.245.845,512	181.367,358	1.077,24	290°44'23"	37°02'27"	48,207	-0,616
762	PVA	8.245.846,167	181.367,544	1.077,43	291°32'42"	37°50'46"	48,269	-0,433
763	CAL	8.245.840,645	181.368,217	1.077,19	285°25'36"	31°43'40"	45,876	-0,669
764	CAL	8.245.842,135	181.367,907	1.077,18	287°05'31"	33°23'35"	46,592	-0,684
765	CAL	8.245.850,624	181.366,617	1.077,41	295°49'51"	42°07'55"	50,911	-0,453
766	CAL	8.245.852,592	181.366,459	1.077,41	297°42'36"	44°00'40"	51,939	-0,445
767	CAL	8.245.844,902	181.399,211	1.077,42	321°12'36"	67°30'40"	21,118	-0,438
768	CAL	8.245.846,575	181.399,355	1.077,42	324°11'10"	70°29'14"	22,362	-0,435
769	CAL	8.245.854,858	181.396,853	1.077,58	329°27'26"	75°45'30"	30,673	-0,280
770	CAL	8.245.856,835	181.396,741	1.077,58	331°03'39"	77°21'43"	32,445	-0,276
771	PC	8.245.854,259	181.403,767	1.077,49	341°25'46"	87°43'50"	27,236	-0,368
772	PVE	8.245.846,202	181.398,823	1.077,46	322°31'17"	68°49'21"	22,380	-0,395
773	PLS	8.245.844,780	181.403,023	1.077,46	330°02'27"	76°20'31"	18,859	-0,396
774	MF	8.245.798,965	181.439,865	1.077,90	137°03'56"	243°22'00"	40,261	0,043
775	MF	8.245.792,175	181.441,343	1.077,83	141°26'49"	247°44'53"	46,374	-0,028
776	BL	8.245.790,117	181.430,531	1.077,68	154°43'51"	261°01'55"	42,379	-0,182
777	PVA	8.245.791,634	181.430,093	1.077,67	154°22'41"	260°40'45"	40,821	-0,190
778	MF	8.245.795,993	181.424,227	1.077,78	160°02'16"	266°20'20"	34,523	-0,076
779	MF	8.245.789,400	181.426,189	1.077,68	160°36'04"	266°54'08"	41,391	-0,178
780	MF	8.245.791,985	181.402,830	1.077,66	194°46'07"	301°04'11"	37,702	-0,198
781	MF	8.245.786,447	181.410,936	1.077,64	182°03'06"	288°21'10"	42,021	-0,221
782	MF	8.245.785,683	181.410,359	1.077,65	182°47'13"	289°05'17"	42,808	-0,213
783	MF	8.245.784,755	181.410,710	1.077,61	182°16'06"	288°34'10"	43,720	-0,246
784	MF	8.245.780,777	181.429,403	1.077,62	160°24'40"	266°42'44"	50,593	-0,236
785	MF	8.245.776,902	181.447,918	1.077,70	145°27'29"	251°45'33"	62,570	-0,160
786	MF	8.245.771,183	181.447,278	1.077,64	148°40'58"	254°59'02"	67,023	-0,224
787	MF	8.245.774,875	181.429,641	1.077,57	162°11'53"	268°29'57"	56,260	-0,292
788	MF	8.245.779,292	181.407,855	1.077,62	185°19'48"	291°37'52"	49,363	-0,237
789	PC	8.245.776,898	181.419,348	1.077,76	172°22'03"	278°40'07"	52,004	-0,096
790	GRA	8.245.778,231	181.407,689	1.077,86	185°24'22"	291°42'26"	50,435	-0,004
791	GRA	8.245.773,919	181.432,322	1.077,73	159°57'58"	266°16'02"	58,034	-0,128
792	GRA	8.245.772,389	181.440,204	1.077,75	153°39'00"	259°57'04"	62,551	-0,109
793	PVE	8.245.781,040	181.400,931	1.077,54	193°38'52"	299°56'56"	48,778	-0,320
794	MU-GRA	8.245.780,022	181.399,133	1.077,74	195°22'06"	301°40'10"	50,214	-0,120
795	GRA	8.245.784,992	181.400,084	1.077,74	195°52'33"	302°10'37"	45,172	-0,118
796	PC	8.245.780,044	181.400,314	1.077,68	194°04'03"	300°22'07"	49,893	-0,183
797	CAL	8.245.785,246	181.399,406	1.077,73	196°47'33"	303°05'37"	45,119	-0,127
798	CAL	8.245.793,762	181.400,967	1.077,68	198°18'24"	304°36'28"	36,528	-0,184
799	CAL	8.245.796,657	181.416,775	1.077,83	172°14'08"	278°32'12"	32,078	-0,034
800	CAL	8.245.798,896	181.416,460	1.077,74	172°15'15"	278°33'19"	29,817	-0,115
801	CAL	8.245.801,200	181.384,104	1.077,37	226°07'46"	332°25'50"	39,307	-0,495
802	CAL	8.245.798,025	181.366,196	1.077,14	236°40'00"	342°58'04"	55,351	-0,715

Nome	Descrição	Norte	Este	Cota
AUX1		8.245.828,441	181.412,441	1.077,86

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
803	CAL	8.245.787,267	181.333,524	1.076,65	242°26'50"	348°44'54"	89,012	-1,206
804	GRA	8.245.790,752	181.373,870	1.077,49	225°39'44"	331°57'48"	53,928	-0,372
805	GRA	8.245.789,704	181.351,791	1.076,96	237°26'00"	343°44'04"	71,965	-0,902
806	GRA	8.245.783,823	181.336,695	1.076,75	239°29'59"	345°48'03"	87,910	-1,115
807	GRA	8.245.779,087	181.330,939	1.077,08	238°48'10"	345°06'14"	95,280	-0,781

Nome	Descrição	Norte	Este	Cota
AUX3		8.245.763,579	181.254,603	1.075,54

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
808	AV	8.245.751,830	181.296,174	1.076,29	105°46'55"	192°30'25"	43,199	0,752
809	AV	8.245.750,412	181.297,470	1.076,37	107°04'31"	193°48'01"	44,844	0,835
810	AV	8.245.748,457	181.294,576	1.076,26	110°43'20"	197°26'50"	42,737	0,721
811	AV	8.245.742,613	181.295,238	1.076,15	117°17'32"	204°01'02"	45,724	0,607
812	AV	8.245.739,532	181.295,008	1.076,07	120°45'33"	207°29'03"	47,019	0,534
813	AV	8.245.736,357	181.294,228	1.076,24	124°29'21"	211°12'51"	48,075	0,702
814	AV	8.245.738,436	181.288,571	1.075,96	126°30'32"	213°14'02"	42,261	0,423
815	AV	8.245.733,015	181.291,124	1.075,94	129°55'34"	216°39'04"	47,623	0,401
816	AV	8.245.733,803	181.287,608	1.075,86	132°03'20"	218°46'50"	44,452	0,315
817	AV	8.245.734,743	181.283,267	1.075,82	135°10'20"	221°53'50"	40,659	0,277
818	AV	8.245.717,800	181.268,830	1.075,22	162°44'12"	249°27'42"	47,939	-0,318
819	AV	8.245.714,680	181.268,735	1.075,73	163°52'50"	250°36'20"	50,900	0,192
820	PC	8.245.834,801	181.262,041	1.076,52	5°57'44"	92°41'14"	71,609	0,981
821	CAL	8.245.825,759	181.259,338	1.076,13	4°21'16"	91°04'46"	62,360	0,591
822	CAL	8.245.827,226	181.259,166	1.076,13	4°06'03"	90°49'33"	63,810	0,593
823	CAL	8.245.835,583	181.258,628	1.076,62	3°11'59"	89°55'29"	72,117	1,077
824	CAL	8.245.837,635	181.258,408	1.076,63	2°56'29"	89°39'59"	74,154	1,092
825	MF	8.245.824,002	181.259,167	1.076,08	4°19'09"	91°02'39"	60,595	0,536
826	MU	8.245.866,250	181.233,936	1.076,89	348°37'08"	75°20'38"	104,730	1,351
827	MU-GRA	8.245.865,351	181.244,123	1.076,94	354°07'14"	80°50'44"	102,310	1,399
828	GRA	8.245.860,184	181.243,502	1.075,96	353°26'42"	80°10'12"	97,241	0,422
829	GRA	8.245.859,150	181.253,763	1.076,02	359°29'46"	86°13'16"	95,575	0,476
830	GRA	8.245.858,275	181.263,992	1.076,19	5°39'43"	92°23'13"	95,160	0,653
831	GRA	8.245.852,279	181.263,679	1.075,97	5°50'31"	92°34'01"	89,163	0,432
832	GRA	8.245.851,771	181.274,186	1.077,11	12°31'09"	99°14'39"	90,340	1,574
833	GRA	8.245.851,284	181.284,480	1.077,04	18°48'42"	105°32'12"	92,654	1,502
834	GRA	8.245.853,198	181.284,587	1.077,49	18°29'56"	105°13'26"	94,502	1,954
835	GRA	8.245.853,036	181.294,723	1.077,15	24°09'20"	110°52'50"	98,041	1,611
836	GRA	8.245.862,444	181.295,228	1.077,50	22°20'18"	109°03'48"	106,885	1,957
837	MU	8.245.862,195	181.305,517	1.077,36	27°18'24"	114°01'54"	110,983	1,823
838	MU-GRA	8.245.861,941	181.315,361	1.077,44	31°42'13"	118°25'43"	115,613	1,903
839	CAL	8.245.787,145	181.333,114	1.076,83	73°17'33"	160°01'03"	81,971	1,289
840	CAL	8.245.785,982	181.329,327	1.076,80	73°18'40"	160°02'10"	78,010	1,258
841	CAL	8.245.768,716	181.310,784	1.076,72	84°46'35"	171°30'05"	56,415	1,175
842	CAL	8.245.768,233	181.313,308	1.076,73	85°28'03"	172°11'33"	58,888	1,188
843	CAL	8.245.773,557	181.304,417	1.076,40	78°40'25"	165°23'55"	50,803	0,860
844	CAL	8.245.772,308	181.302,753	1.076,37	79°43'29"	166°26'59"	48,935	0,825
845	CAL	8.245.768,287	181.303,580	1.076,57	84°30'35"	171°14'05"	49,203	1,028

Nome	Descrição	Norte	Este	Cota
AUX3		8.245.763,579	181.254,603	1.075,54

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
846	CAL	8.245.769,740	181.305,966	1.076,66	83°09'38"	169°53'08"	51,731	1,116
847	CAL	8.245.782,932	181.320,195	1.076,66	73°33'41"	160°17'11"	68,387	1,117
848	CAL	8.245.777,585	181.310,203	1.076,48	75°51'42"	162°35'12"	57,336	0,937
849	CAL	8.245.769,913	181.299,694	1.076,32	82°00'16"	168°43'46"	45,533	0,780
850	CAL	8.245.755,190	181.285,261	1.075,93	105°18'16"	192°01'46"	31,785	0,392
851	CAL	8.245.760,586	181.301,979	1.076,52	93°36'55"	180°20'25"	47,471	0,982
852	CAL	8.245.757,453	181.301,374	1.076,45	97°27'44"	184°11'14"	47,170	0,911
853	CAL	8.245.729,442	181.270,312	1.075,32	155°17'24"	242°00'54"	37,578	-0,215
854	CAL	8.245.734,103	181.272,215	1.075,46	149°08'33"	235°52'03"	34,337	-0,076
855	PC	8.245.725,103	181.266,862	1.075,22	162°19'38"	249°03'08"	40,382	-0,324
856	PC	8.245.759,894	181.304,476	1.076,44	94°13'36"	180°57'06"	50,008	0,901
857	PC	8.245.754,658	181.283,091	1.075,89	107°23'21"	194°06'51"	29,851	0,345
858	TP	8.245.760,767	181.301,821	1.076,48	93°24'29"	180°07'59"	47,301	0,938
859	PVA	8.245.763,524	181.308,454	1.076,43	90°03'32"	176°47'02"	53,851	0,889
860	PVE	8.245.759,178	181.311,355	1.076,41	94°26'04"	181°09'34"	56,922	0,865
861	MF	8.245.767,634	181.305,852	1.076,42	85°28'33"	172°12'03"	51,409	0,884
862	MF	8.245.763,850	181.323,115	1.076,69	89°46'25"	176°29'55"	68,512	1,149
863	MF	8.245.756,785	181.322,063	1.076,56	95°45'04"	182°28'34"	67,801	1,019
864	MF	8.245.758,512	181.313,399	1.076,43	94°55'33"	181°39'03"	59,014	0,893
865	MF	8.245.758,054	181.311,625	1.076,40	95°32'06"	182°15'36"	57,288	0,859
866	MF	8.245.756,307	181.310,605	1.076,36	97°23'57"	184°07'27"	56,472	0,825
867	GRA	8.245.764,203	181.327,917	1.076,98	89°30'46"	176°14'16"	73,316	1,438
868	MU	8.245.762,063	181.337,932	1.077,10	91°02'34"	177°46'04"	83,342	1,559
869	GRA-MU	8.245.760,399	181.345,818	1.077,34	91°59'49"	178°43'19"	91,270	1,802
870	GRA	8.245.759,625	181.345,626	1.077,17	92°29'16"	179°12'46"	91,109	1,627
871	MF	8.245.759,132	181.345,737	1.077,16	92°47'38"	179°31'08"	91,243	1,619
872	GRA-MU	8.245.755,153	181.328,393	1.076,85	96°30'53"	183°14'23"	74,269	1,315
873	MU	8.245.754,062	181.328,076	1.077,12	97°22'51"	184°06'21"	74,087	1,584
874	MU	8.245.757,092	181.312,520	1.076,59	96°23'29"	183°06'59"	58,279	1,048
875	MU	8.245.749,763	181.310,775	1.076,42	103°49'08"	190°32'38"	57,846	0,882
876	MU	8.245.742,593	181.309,232	1.076,29	111°00'54"	197°44'24"	58,521	0,751
876	MU-GRA	8.245.742,586	181.309,209	1.076,28	111°01'47"	197°45'17"	58,502	0,737
877	GRA	8.245.742,735	181.308,361	1.076,26	111°11'38"	197°55'08"	57,658	0,715
878	GRA	8.245.735,407	181.306,702	1.076,12	118°24'09"	205°07'39"	59,228	0,581
879	GRA	8.245.727,997	181.305,306	1.076,00	125°03'36"	211°47'06"	61,943	0,457
880	MF	8.245.721,866	181.305,534	1.075,73	129°19'06"	216°02'36"	65,832	0,195
881	MF	8.245.721,826	181.303,874	1.075,65	130°16'44"	217°00'14"	64,582	0,111
882	MF	8.245.720,606	181.303,188	1.075,71	131°29'33"	218°13'03"	64,863	0,170
883	MF	8.245.727,119	181.306,531	1.075,87	125°04'28"	211°47'58"	63,450	0,331
884	MF	8.245.728,040	181.305,095	1.075,84	125°08'26"	211°51'56"	61,745	0,300
885	MF	8.245.730,002	181.305,071	1.075,85	123°38'13"	210°21'43"	60,618	0,306
886	PVA	8.245.722,150	181.303,344	1.075,67	130°21'52"	217°05'22"	63,969	0,134
887	PC	8.245.723,656	181.297,001	1.075,50	133°16'41"	220°00'11"	58,236	-0,037
888	RG	8.245.730,252	181.296,081	1.076,03	128°46'56"	215°30'26"	53,209	0,493
889	CAL	8.245.723,100	181.294,176	1.075,73	135°38'56"	222°22'26"	56,609	0,188
890	GRA	8.245.722,887	181.293,678	1.075,75	136°09'43"	222°53'13"	56,416	0,209
891	GRA	8.245.727,366	181.272,225	1.075,45	154°03'07"	240°46'37"	40,273	-0,085
892	GRA	8.245.715,077	181.292,099	1.075,60	142°17'36"	229°01'06"	61,306	0,060

Nome	Descrição	Norte	Este	Cota
AUX3		8.245.763,579	181.254,603	1.075,54

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
892	GRA-MU	8.245.715,069	181.292,105	1.075,60	142°17'38"	229°01'08"	61,316	0,060
893	MU-GRA	8.245.714,768	181.293,321	1.075,53	141°34'43"	228°18'13"	62,303	-0,011
894	HI	8.245.717,531	181.292,825	1.075,54	140°18'21"	227°01'51"	59,844	-0,002
895	RG	8.245.717,224	181.293,354	1.074,88	140°06'21"	226°49'51"	60,418	-0,663
896	GRA	8.245.712,804	181.301,897	1.075,72	137°02'00"	223°45'30"	69,389	0,179
897	GRA	8.245.721,531	181.303,747	1.075,84	130°33'05"	217°16'35"	64,677	0,300
898	PLS	8.245.725,970	181.294,372	1.075,99	133°24'05"	220°07'35"	54,736	0,446
899	GRA	8.245.711,443	181.268,883	1.075,66	164°40'58"	251°24'28"	54,056	0,116
900	GRA	8.245.703,570	181.267,262	1.075,21	168°05'18"	254°48'48"	61,330	-0,332
901	GRA	8.245.695,841	181.265,641	1.074,88	170°44'43"	257°28'13"	68,632	-0,658
902	GRA	8.245.687,761	181.264,005	1.074,76	172°55'54"	259°39'24"	76,398	-0,782
903	GRA	8.245.687,296	181.264,881	1.074,95	172°19'37"	259°03'07"	76,973	-0,594
904	GRA	8.245.671,020	181.263,909	1.074,75	174°15'33"	260°59'03"	93,026	-0,786
905	CAL	8.245.671,103	181.262,798	1.074,50	174°56'11"	261°39'41"	92,839	-1,035
906	CAL	8.245.715,443	181.265,770	1.075,03	166°56'21"	253°39'51"	49,415	-0,506
907	CAL	8.245.691,463	181.262,760	1.074,73	173°32'50"	260°16'20"	72,576	-0,807
908	PC	8.245.688,303	181.261,105	1.074,66	175°03'49"	261°47'19"	75,557	-0,881
909	MF	8.245.782,544	181.280,310	1.076,10	53°34'57"	140°18'27"	31,945	0,560
910	MF	8.245.777,027	181.278,927	1.076,11	61°03'48"	147°47'18"	27,794	0,566
911	MF	8.245.767,784	181.293,932	1.076,07	83°53'51"	170°37'21"	39,553	0,530
912	MF	8.245.757,412	181.266,336	1.075,91	117°43'49"	204°27'19"	13,255	0,365
913	MF	8.245.752,592	181.280,379	1.075,68	113°05'14"	199°48'44"	28,020	0,138
914	MF	8.245.741,234	181.257,107	1.075,61	173°36'26"	260°19'56"	22,485	0,070
915	MF	8.245.735,691	181.270,444	1.075,28	150°24'11"	237°07'41"	32,073	-0,256
916	MF	8.245.730,164	181.252,622	1.075,36	183°23'39"	270°07'09"	33,474	-0,176
917	MF	8.245.717,374	181.263,761	1.074,90	168°47'21"	255°30'51"	47,104	-0,641
918	MF	8.245.722,743	181.250,527	1.075,12	185°42'01"	272°25'31"	41,039	-0,416
919	MF	8.245.701,410	181.261,027	1.074,65	174°06'04"	260°49'34"	62,500	-0,888
920	MF	8.245.693,253	181.253,343	1.074,54	181°01'37"	267°45'07"	70,337	-0,997
921	MF	8.245.683,104	181.260,465	1.074,50	175°50'03"	262°33'33"	80,688	-1,044
922	MF	8.245.678,859	181.253,004	1.074,32	181°04'55"	267°48'25"	84,735	-1,221
923	MF	8.245.664,529	181.260,616	1.074,21	176°31'33"	263°15'04"	99,232	-1,327
924	MF	8.245.669,632	181.252,933	1.074,13	181°01'06"	267°44'37"	93,963	-1,414
925	MF	8.245.672,750	181.251,301	1.074,18	182°04'57"	268°48'27"	90,889	-1,364
926	MF	8.245.676,290	181.247,404	1.074,21	184°42'54"	271°26'24"	87,585	-1,330
927	MF	8.245.677,431	181.243,153	1.074,22	187°34'17"	274°17'47"	86,906	-1,323
928	MF	8.245.676,952	181.237,696	1.074,27	191°02'39"	277°46'09"	88,262	-1,274
929	MF	8.245.698,840	181.237,010	1.074,35	195°12'11"	281°55'41"	67,087	-1,191
930	MF	8.245.646,542	181.260,790	1.073,97	176°58'26"	263°41'57"	117,200	-1,571
931	MF	8.245.620,034	181.261,030	1.073,69	177°26'11"	264°09'42"	143,689	-1,845
932	MF	8.245.616,582	181.262,149	1.073,65	177°03'41"	263°47'12"	147,191	-1,891
933	MF	8.245.615,485	181.264,472	1.073,65	176°11'15"	262°54'46"	148,423	-1,886
934	MF	8.245.607,928	181.264,757	1.073,53	176°16'03"	262°59'34"	155,982	-2,007
935	MF	8.245.606,698	181.262,752	1.073,51	177°01'36"	263°45'07"	157,093	-2,032
936	MF	8.245.602,787	181.261,416	1.073,49	177°34'26"	264°17'57"	160,937	-2,050
937	MF	8.245.585,637	181.261,650	1.073,21	177°43'56"	264°27'27"	178,081	-2,326
938	MF	8.245.561,079	181.261,990	1.072,86	177°54'39"	264°38'10"	202,635	-2,677
939	MF	8.245.551,652	181.254,757	1.072,61	179°57'30"	266°41'01"	211,928	-2,935

Nome	Descrição	Norte	Este	Cota
AUX3		8.245.763,579	181.254,603	1.075,54

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
940	MF	8.245.551,430	181.240,933	1.072,42	183°41'12"	270°24'43"	212,589	-3,119

Nome	Descrição	Norte	Este	Cota
G2		8.245.552,028	181.243,287	1.072,45

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
941	PC	8.245.618,986	181.261,706	1.073,84	15°22'49"	26°29'54"	69,445	1,391
942	MU	8.245.613,088	181.280,122	1.073,79	31°06'03"	42°13'08"	71,310	1,342
943	MU	8.245.611,431	181.287,899	1.074,00	36°54'24"	48°01'29"	74,290	1,548
944	MU	8.245.602,398	181.281,128	1.073,64	36°54'58"	48°02'03"	63,001	1,190
945	MF	8.245.611,439	181.283,490	1.073,77	34°05'08"	45°12'13"	71,735	1,322
946	MF	8.245.604,625	181.281,714	1.073,61	36°09'06"	47°16'11"	65,139	1,159
947	PLS	8.245.604,364	181.279,948	1.073,67	35°00'40"	46°07'45"	63,899	1,223
948	PLS	8.245.604,544	181.276,987	1.073,62	32°41'18"	43°48'23"	62,399	1,167
949	PC	8.245.590,978	181.261,934	1.073,43	25°34'57"	36°42'02"	43,184	0,982
950	MU	8.245.582,761	181.276,911	1.073,40	47°34'17"	58°41'22"	45,553	0,945
951	PVT	8.245.572,750	181.265,976	1.073,25	47°35'38"	58°42'43"	30,728	0,799
952	MU	8.245.572,348	181.274,815	1.073,15	57°11'54"	68°18'59"	37,509	0,703
953	MU	8.245.570,872	181.284,251	1.073,50	65°17'49"	76°24'54"	45,090	1,051
954	MF	8.245.573,490	181.261,779	1.073,04	40°44'54"	51°51'59"	28,329	0,588
955	MF	8.245.551,507	181.262,102	1.072,71	91°35'14"	102°42'19"	18,822	0,261
956	MF	8.245.532,537	181.254,993	1.072,13	149°00'40"	160°07'45"	22,737	-0,317
957	MF	8.245.532,177	181.262,376	1.072,20	136°07'17"	147°14'22"	27,540	-0,246
958	MF	8.245.513,041	181.255,241	1.071,61	162°57'12"	174°04'17"	40,779	-0,836
959	MF	8.245.510,299	181.262,611	1.071,59	155°09'07"	166°16'12"	45,986	-0,862
960	MF	8.245.481,743	181.255,715	1.070,65	169°58'21"	181°05'26"	71,375	-1,798
961	MF	8.245.481,435	181.263,276	1.070,74	164°11'23"	175°18'28"	73,368	-1,706
962	MF	8.245.461,262	181.256,300	1.070,20	171°50'27"	182°57'32"	91,694	-2,255
963	MF	8.245.462,614	181.263,898	1.070,45	167°01'10"	178°08'15"	91,759	-2,003
964	MF	8.245.445,483	181.243,597	1.071,31	179°50'00"	190°57'05"	106,545	-1,143
965	MF	8.245.445,180	181.233,914	1.071,07	185°00'48"	196°07'53"	107,259	-1,378
966	MF	8.245.460,824	181.243,178	1.070,48	180°04'06"	191°11'11"	91,204	-1,975
967	MF	8.245.460,777	181.233,576	1.070,26	186°04'28"	197°11'33"	91,766	-2,187
968	MF	8.245.479,141	181.242,774	1.070,85	180°24'12"	191°31'17"	72,889	-1,597
969	MF	8.245.478,556	181.233,067	1.070,62	187°55'10"	199°02'15"	74,179	-1,825
970	MF	8.245.498,385	181.242,215	1.071,28	181°08'41"	192°15'46"	53,654	-1,173
971	MF	8.245.498,001	181.232,588	1.071,05	191°12'05"	202°19'10"	55,076	-1,398
972	MF	8.245.520,153	181.241,635	1.071,73	182°57'58"	194°05'03"	31,918	-0,725
973	MF	8.245.518,929	181.232,057	1.071,53	198°44'28"	209°51'33"	34,952	-0,924
974	MF	8.245.539,461	181.241,140	1.072,23	189°41'44"	200°48'49"	12,749	-0,216
975	MF	8.245.538,558	181.231,565	1.071,89	221°01'50"	232°08'55"	17,856	-0,558
976	MF	8.245.559,836	181.230,955	1.072,30	302°20'15"	313°27'20"	14,596	-0,149
977	MF	8.245.579,350	181.230,476	1.072,71	334°52'42"	345°59'47"	30,177	0,261
978	MF	8.245.600,302	181.229,957	1.073,08	344°33'46"	355°40'51"	50,080	0,628
3456	E0	8.245.776,376	181.150,383	1.074,60	337°30'19"	348°37'24"	242,823	2,150
3457	E1	8.245.772,248	181.169,557	1.074,58	341°29'22"	352°36'27"	232,235	2,131
3458	E2	8.245.764,200	181.188,101	1.074,58	345°25'14"	356°32'18"	219,232	2,129
3459	E3	8.245.752,209	181.204,103	1.074,64	348°55'29"	0°02'33"	203,980	2,185

Nome	Descrição	Norte	Este	Cota
G2		8.245.552,028	181.243,287	1.072,45

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
3460	E4	8.245.736,770	181.216,738	1.074,65	351°49'20"	2°56'24"	186,640	2,201
3461	E5	8.245.718,662	181.224,830	1.074,45	353°40'46"	4°47'50"	167,653	1,996
3462	E6	8.245.698,922	181.227,357	1.074,26	353°48'39"	4°55'43"	147,756	1,806
3463	E7	8.245.678,934	181.227,909	1.074,06	353°05'27"	4°12'31"	127,834	1,613
3464	E8	8.245.658,885	181.228,439	1.073,82	352°05'21"	3°12'25"	107,884	1,369
3465	E9	8.245.638,939	181.228,856	1.073,59	350°34'20"	1°41'24"	88,101	1,144
3466	E10	8.245.618,938	181.229,476	1.073,34	348°20'14"	359°27'18"	68,321	0,892
3467	E11	8.245.598,968	181.229,949	1.073,02	344°08'16"	355°15'20"	48,799	0,571
3468	E12	8.245.578,950	181.230,484	1.072,68	334°34'00"	345°41'04"	29,811	0,231
3469	E13	8.245.558,967	181.230,980	1.072,25	299°24'55"	310°31'59"	14,129	-0,202
3470	E14	8.245.538,845	181.231,495	1.071,88	221°48'42"	232°55'46"	17,687	-0,570
3471	E15	8.245.518,963	181.232,030	1.071,50	198°48'05"	209°55'09"	34,929	-0,949
3472	E16	8.245.499,018	181.232,556	1.071,06	191°26'38"	202°33'42"	54,085	-1,388
3473	E17	8.245.479,014	181.233,110	1.070,62	187°56'07"	199°03'11"	73,720	-1,834
3474	E18	8.245.459,038	181.233,600	1.070,20	185°56'50"	197°03'54"	93,493	-2,250
3475	E19	8.245.439,109	181.234,113	1.069,66	184°38'42"	195°45'46"	113,291	-2,787
3476	E20	8.245.419,073	181.234,609	1.069,14	183°44'04"	194°51'08"	133,238	-3,306
3477	E21	8.245.399,104	181.235,129	1.068,60	183°03'14"	194°10'18"	153,141	-3,854
3478	E22	8.245.379,142	181.235,537	1.068,04	182°34'01"	193°41'05"	173,060	-4,413
3479	E24	8.245.339,218	181.236,686	1.066,96	181°46'36"	192°53'40"	212,912	-5,493
3480	E25	8.245.319,284	181.237,183	1.066,38	181°30'09"	192°37'13"	232,824	-6,070
3481	E26	8.245.299,334	181.237,703	1.065,74	181°15'58"	192°23'02"	252,756	-6,709
3482	E27	8.245.279,348	181.238,311	1.065,06	181°02'44"	192°09'48"	272,726	-7,391
3483	E27	8.245.274,702	181.269,202	1.065,69	174°39'42"	185°46'46"	278,535	-6,760
3484	E26	8.245.294,614	181.268,700	1.066,32	174°21'43"	185°28'47"	258,666	-6,125
3485	E25	8.245.314,571	181.268,159	1.066,79	174°01'14"	185°08'18"	238,756	-5,655
3486	E24	8.245.334,518	181.267,619	1.067,32	173°37'02"	184°44'06"	218,866	-5,126
3487	E23	8.245.354,540	181.267,070	1.067,71	173°07'59"	184°15'03"	198,915	-4,741
3488	E22	8.245.374,492	181.266,534	1.068,31	172°32'24"	183°39'28"	179,051	-4,136
3489	E21	8.245.394,522	181.265,895	1.068,90	171°49'54"	182°56'58"	159,120	-3,552
3490	E19	8.245.434,466	181.264,694	1.069,82	169°40'48"	180°47'52"	119,495	-2,625
3491	E18	8.245.454,416	181.264,088	1.070,22	167°58'14"	179°05'18"	99,804	-2,227
3492	E17	8.245.474,450	181.263,406	1.070,38	165°27'42"	176°34'46"	80,144	-2,070
3493	E16	8.245.494,377	181.262,979	1.071,01	161°08'29"	172°15'33"	60,922	-1,442
3494	E15	8.245.494,327	181.262,996	1.071,01	161°08'30"	172°15'34"	60,974	-1,444
3495	E14	8.245.514,364	181.262,635	1.071,64	152°48'37"	163°55'41"	42,343	-0,805
3496	E13	8.245.534,261	181.262,343	1.072,17	132°59'43"	144°06'47"	26,054	-0,277
3497	E12	8.245.554,338	181.262,048	1.072,72	82°58'46"	94°05'50"	18,903	0,274
3498	E11	8.245.574,330	181.261,775	1.073,00	39°39'27"	50°46'31"	28,969	0,549
3499	E10	8.245.594,364	181.261,459	1.073,28	23°13'52"	34°20'56"	46,072	0,833
3500	E9	8.245.614,333	181.261,272	1.073,57	16°06'04"	27°13'08"	64,849	1,124
3501	E8	8.245.634,321	181.260,911	1.073,73	12°05'18"	23°12'22"	84,159	1,279
3502	E7	8.245.654,313	181.260,662	1.073,87	9°38'26"	20°45'30"	103,750	1,423
3503	E6	8.245.674,290	181.260,622	1.074,22	8°04'12"	19°11'16"	123,485	1,773
3504	E5	8.245.694,231	181.260,547	1.074,65	6°55'14"	18°02'18"	143,246	2,199
3505	E4	8.245.714,027	181.263,053	1.074,76	6°57'23"	18°04'27"	163,200	2,306
3506	E3	8.245.733,145	181.269,175	1.075,14	8°08'04"	19°15'08"	182,958	2,695

Nome	Descrição	Norte	Este	Cota
M1		8.245.273,557	181.237,251	1.064,94

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
979	MF	8.245.437,301	181.256,993	1.069,79	6°52'29"	5°37'59"	164,929	4,855
980	MF	8.245.437,677	181.264,679	1.069,97	9°29'15"	8°14'45"	166,396	5,032
981	MF	8.245.415,745	181.257,687	1.069,28	8°10'43"	6°56'13"	143,649	4,345
982	MF	8.245.416,070	181.265,273	1.069,49	11°07'26"	9°52'56"	145,242	4,552
983	MF	8.245.387,038	181.258,508	1.068,61	10°36'33"	9°22'03"	115,454	3,675
984	MF	8.245.397,561	181.265,788	1.069,12	12°57'35"	11°43'05"	127,246	4,184
985	MF	8.245.394,068	181.267,701	1.068,92	14°10'48"	12°56'18"	124,299	3,986
986	MF	8.245.393,762	181.270,589	1.068,98	15°30'03"	14°15'33"	124,743	4,043
987	MF	8.245.386,346	181.273,539	1.068,87	17°50'04"	16°35'34"	118,483	3,937
988	MF	8.245.385,151	181.266,824	1.068,68	14°50'32"	13°36'02"	115,445	3,740
989	MF	8.245.380,697	181.266,335	1.068,64	15°11'13"	13°56'43"	111,017	3,702
990	MF	8.245.361,807	181.259,236	1.067,80	13°59'20"	12°44'50"	90,948	2,867
991	MF	8.245.362,594	181.266,870	1.068,09	18°24'00"	17°09'30"	93,835	3,151
992	MF	8.245.343,256	181.259,761	1.067,39	17°53'53"	16°39'23"	73,243	2,452
993	MF	8.245.344,279	181.267,335	1.067,57	23°02'37"	21°48'07"	76,855	2,627
994	MF	8.245.328,073	181.260,207	1.066,96	22°50'07"	21°35'37"	59,152	2,024
995	MF	8.245.328,987	181.267,742	1.067,21	28°48'51"	27°34'21"	63,263	2,270
996	MF	8.245.305,762	181.260,848	1.066,26	36°13'53"	34°59'23"	39,924	1,318
997	MF	8.245.307,138	181.268,400	1.066,70	42°50'53"	41°36'23"	45,804	1,761
998	MF	8.245.287,953	181.261,308	1.065,89	59°06'14"	57°51'44"	28,035	0,956
999	MF	8.245.288,996	181.268,906	1.066,21	63°59'58"	62°45'28"	35,219	1,269
1000	MF	8.245.269,871	181.261,826	1.065,28	98°31'46"	97°17'16"	24,850	0,346
1001	MF	8.245.268,979	181.269,321	1.065,54	98°07'24"	96°52'54"	32,395	0,600
1002	MF	8.245.249,640	181.262,322	1.064,42	133°39'03"	132°24'33"	34,649	-0,522
1003	MF	8.245.249,380	181.269,857	1.064,71	126°33'23"	125°18'53"	40,592	-0,227
1004	MF	8.245.231,697	181.262,835	1.063,67	148°34'05"	147°19'35"	49,059	-1,269
1005	MF	8.245.231,283	181.270,306	1.063,96	141°58'40"	140°44'10"	53,663	-0,975
1006	MF	8.245.213,823	181.263,358	1.062,98	156°23'30"	155°09'00"	65,190	-1,953
1007	MF	8.245.213,901	181.270,760	1.063,32	150°40'37"	149°26'07"	68,423	-1,616
1008	MF	8.245.195,465	181.263,850	1.062,35	161°11'26"	159°56'56"	82,498	-2,583
1009	MF	8.245.195,329	181.271,337	1.062,70	156°27'22"	155°12'52"	85,332	-2,235
1010	MF	8.245.174,733	181.264,533	1.061,55	164°34'02"	163°19'32"	102,521	-3,385
1011	MF	8.245.175,353	181.271,756	1.061,78	160°38'26"	159°23'56"	104,090	-3,162
1012	MF	8.245.167,971	181.264,697	1.061,29	165°25'44"	164°11'14"	109,095	-3,644
1013	MF	8.245.164,680	181.263,629	1.061,11	166°22'52"	165°08'22"	112,027	-3,829
1014	MF	8.245.162,469	181.261,088	1.060,90	167°53'22"	166°38'52"	113,616	-4,034
1015	MF	8.245.162,276	181.258,533	1.060,74	169°10'24"	167°55'54"	113,298	-4,203
1016	MF	8.245.163,064	181.256,081	1.060,71	170°19'43"	169°05'13"	112,086	-4,228
1017	MF	8.245.164,771	181.254,396	1.060,74	171°02'37"	169°48'07"	110,129	-4,201
1018	MF	8.245.167,475	181.253,523	1.060,85	171°16'46"	170°02'16"	107,323	-4,091
1019	MF	8.245.147,396	181.272,497	1.060,43	164°23'28"	163°08'58"	130,992	-4,508
1020	MF	8.245.143,309	181.273,153	1.060,26	164°35'22"	163°20'52"	135,105	-4,683
1021	MF	8.245.140,938	181.276,166	1.060,11	163°38'47"	162°24'17"	138,210	-4,832
1022	MF	8.245.140,419	181.282,185	1.059,89	161°21'02"	160°06'32"	140,516	-5,046
1023	MF	8.245.133,972	181.281,777	1.059,72	162°18'29"	161°03'59"	146,515	-5,214
1024	MF	8.245.133,721	181.278,417	1.059,81	163°35'47"	162°21'17"	145,769	-5,129
1025	MF	8.245.133,700	181.278,352	1.059,81	163°37'23"	162°22'53"	145,771	-5,128
1026	MF	8.245.132,775	181.275,547	1.059,77	164°46'57"	163°32'27"	145,897	-5,170

Nome	Descrição	Norte	Este	Cota
M1		8.245.273,557	181.237,251	1.064,94

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1027	MF	8.245.131,229	181.273,843	1.059,75	165°34'54"	164°20'24"	146,956	-5,191
1028	MF	8.245.129,153	181.272,984	1.059,74	166°06'05"	164°51'35"	148,759	-5,201
1029	MF	8.245.149,298	181.265,270	1.060,50	167°17'35"	166°03'05"	127,379	-4,434
1030	MF	8.245.151,523	181.265,171	1.060,61	167°06'47"	165°52'17"	125,187	-4,326
1031	MF	8.245.151,632	181.251,055	1.060,22	173°32'26"	172°17'56"	122,704	-4,716
1032	MF	8.245.149,186	181.251,090	1.060,07	173°39'02"	172°24'32"	125,138	-4,865
1033	MF	8.245.134,631	181.251,442	1.059,44	174°10'03"	172°55'33"	139,649	-5,503
1034	MF	8.245.134,490	181.251,483	1.059,43	174°09'24"	172°54'54"	139,793	-5,507
1035	MF	8.245.138,003	181.253,754	1.059,66	173°03'32"	171°49'02"	136,555	-5,279
1036	MF	8.245.139,138	181.257,079	1.059,84	171°36'32"	170°22'02"	135,874	-5,095
1037	MF	8.245.138,129	181.260,342	1.059,92	170°19'26"	169°04'56"	137,383	-5,018
1038	MF	8.245.135,661	181.262,227	1.059,87	169°44'02"	168°29'32"	140,140	-5,068
1039	MF	8.245.132,480	181.262,755	1.059,76	169°45'10"	168°30'40"	143,364	-5,180
1040	MF	8.245.112,203	181.263,294	1.058,96	170°49'53"	169°35'23"	163,443	-5,982
1041	MF	8.245.112,443	181.273,405	1.059,10	167°21'09"	166°06'39"	165,121	-5,840
1042	MF	8.245.092,110	181.263,788	1.058,19	171°40'46"	170°26'16"	183,377	-6,745
1043	MF	8.245.092,533	181.273,872	1.058,26	168°33'48"	167°19'18"	184,691	-6,676
1044	MF	8.244.913,467	181.252,473	1.050,30	177°34'46"	176°20'16"	360,412	-14,637
1045	MF	8.244.915,492	181.242,977	1.050,10	179°05'02"	177°50'32"	358,111	-14,838
1046	MF	8.244.930,870	181.254,389	1.051,05	177°08'13"	175°53'43"	343,116	-13,888
1047	MF	8.244.930,781	181.244,586	1.049,92	178°46'27"	177°31'57"	342,854	-15,021
1048	MF	8.244.952,588	181.255,399	1.051,97	176°45'50"	175°31'20"	321,482	-12,969
1049	MF	8.244.953,370	181.246,016	1.051,71	178°25'55"	177°11'25"	320,307	-13,226
1050	MF	8.244.973,077	181.255,460	1.052,78	176°31'56"	175°17'26"	301,032	-12,161
1051	MF	8.244.972,678	181.245,972	1.052,66	178°20'23"	177°05'53"	301,006	-12,280
1052	MF	8.244.997,205	181.254,944	1.053,74	176°20'12"	175°05'42"	276,918	-11,197
1053	MF	8.244.996,332	181.245,491	1.053,50	178°17'51"	177°03'21"	277,347	-11,436
1054	MF	8.245.021,837	181.254,429	1.054,75	176°05'46"	174°51'16"	252,306	-10,183
1055	MF	8.245.021,616	181.244,951	1.054,58	178°14'58"	177°00'28"	252,059	-10,358
1056	MF	8.245.047,307	181.253,734	1.055,85	175°49'59"	174°35'29"	226,849	-9,090
1057	MF	8.245.047,032	181.244,292	1.055,65	178°13'11"	176°58'41"	226,634	-9,286
1058	MF	8.245.073,061	181.253,023	1.056,92	175°30'08"	174°15'38"	201,116	-8,018
1059	MF	8.245.073,173	181.243,494	1.056,68	178°12'56"	176°58'26"	200,481	-8,262
1060	MF	8.245.099,615	181.252,317	1.057,98	175°02'59"	173°48'29"	174,593	-6,954
1061	BAS	8.245.099,937	181.242,694	1.057,95	178°12'16"	176°57'46"	173,706	-6,989
1062	BAS	8.245.102,212	181.241,675	1.057,96	178°31'15"	177°16'45"	171,402	-6,977
1063	BAS	8.245.103,259	181.238,901	1.057,69	179°26'42"	178°12'12"	170,306	-7,249
1064	BAS	8.245.103,327	181.234,909	1.057,08	180°47'17"	179°32'47"	170,246	-7,858
1065	BAS	8.245.112,027	181.235,270	1.057,29	180°42'09"	179°27'39"	161,542	-7,651
1066	BAS	8.245.109,820	181.240,185	1.057,93	178°58'24"	177°43'54"	163,763	-7,010
1067	BAS	8.245.109,901	181.241,369	1.057,99	178°33'31"	177°19'01"	163,708	-6,949
1068	MF	8.245.111,110	181.242,497	1.058,27	178°09'01"	176°54'31"	162,532	-6,669
1069	MF	8.245.126,074	181.251,679	1.059,09	174°24'46"	173°10'16"	148,187	-5,849
1070	MF	8.245.134,436	181.241,897	1.059,23	178°05'14"	176°50'44"	139,199	-5,712
1071	MF	8.245.156,056	181.241,284	1.060,17	178°02'03"	176°47'33"	117,570	-4,771
1072	MF	8.245.174,731	181.240,786	1.060,94	177°57'05"	176°42'35"	98,889	-3,995
1073	MF	8.245.192,314	181.253,029	1.061,96	169°00'35"	167°46'05"	82,761	-2,974
1074	MF	8.245.192,445	181.240,400	1.061,67	177°46'37"	176°32'07"	81,173	-3,264

Nome	Descrição	Norte	Este	Cota
M1		8.245.273,557	181.237,251	1.064,94

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1075	MF	8.245.209,591	181.252,574	1.062,65	166°31'44"	165°17'14"	65,775	-2,283
1076	MF	8.245.209,295	181.239,933	1.062,39	177°36'38"	176°22'08"	64,318	-2,550
1077	MF	8.245.237,253	181.248,897	1.063,70	162°12'53"	160°58'23"	38,126	-1,236
1078	MF	8.245.236,477	181.239,253	1.063,46	176°54'34"	175°40'04"	37,134	-1,479
1079	MF	8.245.257,087	181.248,357	1.064,48	146°00'25"	144°45'55"	19,865	-0,458
1080	MF	8.245.256,340	181.238,771	1.064,23	174°57'23"	173°42'53"	17,284	-0,704
1081	MF	8.245.278,022	181.247,748	1.065,29	66°57'23"	65°42'53"	11,407	0,352
1082	MF	8.245.277,521	181.238,329	1.065,06	15°12'24"	13°57'54"	4,108	0,119
1083	MF	8.245.306,815	181.247,077	1.066,20	16°27'31"	15°13'01"	34,679	1,265
1084	MF	8.245.306,422	181.237,555	1.066,02	0°31'44"	359°17'14"	32,867	1,085
1085	MF	8.245.332,185	181.246,393	1.066,96	8°51'47"	7°37'17"	59,337	2,018
1086	MF	8.245.331,929	181.236,850	1.066,76	359°36'23"	358°21'53"	58,373	1,817
1087	MF	8.245.352,666	181.236,307	1.067,37	359°18'58"	358°04'28"	79,114	2,427
1088	MF	8.245.356,155	181.245,751	1.067,65	5°52'31"	4°38'01"	83,034	2,709
1089	MF	8.245.380,691	181.245,104	1.068,34	4°11'31"	2°57'01"	107,421	3,403
1090	MF	8.245.380,769	181.235,571	1.068,14	359°06'08"	357°51'38"	107,225	3,198
1091	MF	8.245.407,022	181.244,478	1.069,09	3°05'57"	1°51'27"	133,661	4,153
1092	MF	8.245.407,586	181.234,933	1.068,80	359°00'32"	357°46'02"	134,049	3,861
1093	MF	8.245.427,667	181.243,962	1.069,64	2°29'36"	1°15'06"	154,256	4,701
1094	MF	8.245.428,469	181.234,270	1.069,56	358°53'50"	357°39'20"	154,941	4,617

Nome	Descrição	Norte	Este	Cota
M2		8.244.961,761	181.287,290	1.053,05

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1095	E36	8.245.094,817	181.273,779	1.058,38	354°12'07"	3°19'09"	133,740	5,331
1096	MF	8.245.087,750	181.273,938	1.058,02	353°57'03"	3°04'05"	126,694	4,968
1097	MF	8.245.081,613	181.275,657	1.057,74	354°27'22"	3°34'24"	120,415	4,689
1098	MF	8.245.078,769	181.278,587	1.057,56	355°44'47"	4°51'49"	117,331	4,515
1099	MF	8.245.077,485	181.283,354	1.057,45	358°03'08"	7°10'10"	115,791	4,403
1100	E37	8.245.074,837	181.274,244	1.057,46	353°25'07"	2°32'09"	113,826	4,407
1101	E38	8.245.054,901	181.274,632	1.056,63	352°15'40"	1°22'42"	93,996	3,576
1102	E39	8.245.034,836	181.275,109	1.055,83	350°32'10"	359°39'12"	74,083	2,783
1103	E40	8.245.014,917	181.275,641	1.054,99	347°38'23"	356°45'25"	54,418	1,941
1104	E41	8.244.994,916	181.276,156	1.054,22	341°26'11"	350°33'13"	34,974	1,165
1105	E42	8.244.974,976	181.276,453	1.053,39	320°38'48"	329°45'50"	17,090	0,335
1106	E43	8.244.954,913	181.276,732	1.052,65	237°01'58"	246°09'00"	12,585	-0,405
1107	E44	8.244.934,961	181.277,534	1.051,80	200°00'07"	209°07'09"	28,521	-1,251
1108	E45	8.244.915,034	181.277,406	1.051,01	191°56'36"	201°03'38"	47,761	-2,040
1109	E46	8.244.895,226	181.275,460	1.050,20	190°04'55"	199°11'57"	67,579	-2,847
1110	E47	8.244.875,575	181.271,505	1.049,42	190°22'44"	199°29'46"	87,619	-3,629
1111	E48	8.244.856,545	181.265,665	1.048,54	191°36'51"	200°43'53"	107,415	-4,513
1112	E49	8.244.838,096	181.257,962	1.047,70	193°20'29"	202°27'32"	127,095	-5,352
1113	E50	8.244.820,617	181.248,399	1.046,96	195°24'17"	204°31'20"	146,404	-6,091
1114	E47	8.244.880,711	181.235,648	1.048,29	212°30'13"	221°37'15"	96,104	-4,760
1115	E46	8.244.900,125	181.240,388	1.049,22	217°16'10"	226°23'12"	77,452	-3,827
1116	E45	8.244.919,829	181.243,523	1.050,18	226°13'35"	235°20'37"	60,612	-2,866
1117	E44	8.244.939,714	181.245,298	1.051,02	242°17'55"	251°24'57"	47,428	-2,035

Nome	Descrição	Norte	Este	Cota
M2		8.244.961,761	181.287,290	1.053,05

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1118	E43	8.244.959,639	181.245,845	1.051,94	267°04'09"	276°11'11"	41,500	-1,110
1119	E42	8.244.979,681	181.245,771	1.052,84	293°20'45"	302°27'47"	45,221	-0,206
1120	E41	8.244.999,672	181.245,301	1.053,65	312°04'42"	321°11'44"	56,571	0,602
1121	E40	8.245.019,644	181.245,001	1.054,50	323°50'55"	332°57'57"	71,685	1,451
1122	E39	8.245.039,675	181.244,431	1.055,30	331°11'08"	340°18'10"	88,924	2,246
1123	MF	8.245.089,427	181.263,900	1.058,05	349°37'04"	358°44'06"	129,791	5,004
1124	MF	8.245.062,151	181.267,234	1.056,95	348°42'08"	357°49'10"	102,374	3,900
1125	MF	8.245.041,462	181.267,745	1.056,11	346°13'17"	355°20'19"	82,063	3,058
1126	MF	8.245.056,210	181.290,615	1.056,74	2°01'00"	11°08'02"	94,507	3,690
1127	MF	8.245.053,758	181.285,031	1.056,57	358°35'37"	7°42'39"	92,024	3,521
1128	MF	8.245.049,919	181.281,169	1.056,38	356°01'43"	5°08'45"	88,370	3,327
1129	MF	8.245.046,586	181.279,330	1.056,25	354°38'20"	3°45'22"	85,198	3,197
1130	MF	8.245.042,084	181.278,291	1.056,10	353°36'27"	2°43'29"	80,826	3,046
1131	MF	8.245.037,601	181.277,409	1.055,92	352°34'36"	1°41'38"	76,481	2,866
1132	MF	8.245.031,579	181.275,149	1.055,68	350°08'06"	359°15'08"	70,866	2,635
1133	MF	8.245.040,258	181.267,773	1.056,07	346°02'16"	355°09'18"	80,887	3,015
1134	MF	8.245.011,907	181.275,726	1.054,87	347°00'53"	356°07'55"	51,461	1,815
1135	MF	8.245.011,995	181.268,471	1.054,90	339°27'48"	348°34'50"	53,643	1,852
1136	MF	8.244.986,138	181.276,307	1.053,84	335°44'47"	344°51'49"	26,736	0,790
1137	MF	8.244.985,848	181.269,055	1.053,82	322°52'21"	331°59'23"	30,211	0,774
1138	MF	8.244.962,621	181.276,766	1.052,89	274°40'22"	283°47'24"	10,559	-0,162
1139	MF	8.244.959,235	181.278,494	1.052,73	253°58'32"	263°05'34"	9,151	-0,316
1140	MF	8.244.956,891	181.281,421	1.052,66	230°19'01"	239°26'03"	7,626	-0,386
1141	MF	8.244.954,674	181.286,905	1.052,64	183°06'41"	192°13'43"	7,098	-0,411
1142	MF	8.244.951,034	181.269,893	1.052,42	238°20'26"	247°27'28"	20,438	-0,631
1143	MF	8.244.939,611	181.285,908	1.052,19	183°34'12"	192°41'14"	22,193	-0,856
1144	MF	8.244.938,010	181.279,846	1.051,94	197°24'09"	206°31'11"	24,890	-1,112
1145	MF	8.244.934,527	181.277,534	1.051,78	199°42'31"	208°49'33"	28,929	-1,266
1146	MF	8.244.926,131	181.270,486	1.051,30	205°14'58"	214°22'00"	39,394	-1,750
1147	MF	8.244.923,852	181.277,715	1.051,35	194°10'31"	203°17'33"	39,100	-1,702
1148	MF	8.244.905,569	181.269,470	1.050,39	197°35'45"	206°42'47"	58,950	-2,664
1149	MF	8.244.904,498	181.276,537	1.050,58	190°38'07"	199°45'09"	58,264	-2,471
1150	MF	8.244.887,607	181.266,665	1.049,60	195°32'37"	204°39'39"	76,969	-3,452
1151	MF	8.244.885,649	181.273,792	1.049,83	190°03'23"	199°10'25"	77,299	-3,218
1152	MF	8.244.867,735	181.261,622	1.048,68	195°16'09"	204°23'11"	97,466	-4,365
1153	MF	8.244.864,758	181.268,376	1.048,91	191°02'01"	200°09'03"	98,830	-4,145
1154	MF	8.244.849,188	181.254,918	1.047,87	196°02'35"	205°09'38"	117,135	-5,177
1155	MF	8.244.845,627	181.261,335	1.048,04	192°35'53"	201°42'56"	118,999	-5,010
1156	MF	8.244.831,223	181.224,418	1.046,55	205°43'01"	214°50'04"	144,890	-6,501
1157	MF	8.244.875,446	181.234,040	1.047,97	211°40'19"	220°47'21"	101,419	-5,076
1158	MF	8.244.872,278	181.242,851	1.048,41	206°24'37"	215°31'39"	99,910	-4,643
1159	MF	8.244.891,486	181.238,818	1.048,79	214°35'45"	223°42'47"	85,370	-4,256
1160	MF	8.244.910,801	181.242,832	1.049,79	221°06'06"	230°13'08"	67,628	-3,256
1161	MF	8.244.902,666	181.250,567	1.049,85	211°51'29"	220°58'31"	69,576	-3,198
1162	MF	8.244.932,871	181.245,514	1.050,89	235°20'03"	244°27'05"	50,792	-2,162
1163	MF	8.244.919,455	181.253,140	1.050,65	218°54'40"	228°01'42"	54,370	-2,403
1164	MF	8.244.953,628	181.246,031	1.051,76	258°50'54"	267°57'56"	42,053	-1,288
1165	MF	8.244.932,654	181.254,461	1.051,24	228°26'22"	237°33'24"	43,874	-1,805

Nome	Descrição	Norte	Este	Cota
M2		8.244.961,761	181.287,290	1.053,05

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1166	MF	8.244.955,283	181.255,370	1.052,13	258°31'40"	267°38'42"	32,570	-0,917

Nome	Descrição	Norte	Este	Cota
M3		8.244.809,472	181.211,326	1.045,43

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1167	E57	8.244.716,333	181.155,836	1.041,16	210°47'07"	184°16'28"	108,416	-4,274
1168	E56	8.244.730,506	181.169,829	1.041,93	207°43'19"	181°12'40"	89,206	-3,495
1169	E55	8.244.745,057	181.183,377	1.042,81	203°27'20"	176°56'41"	70,218	-2,616
1170	E54	8.244.759,613	181.197,070	1.043,69	195°57'24"	169°26'45"	51,858	-1,741
1171	E53	8.244.773,900	181.210,965	1.044,47	180°34'52"	154°04'13"	35,575	-0,960
1172	E52	8.244.788,590	181.224,688	1.045,35	147°23'11"	120°52'32"	24,791	-0,081
1173	E51	8.244.803,916	181.237,385	1.046,14	102°02'12"	75°31'33"	26,645	0,711
1174	E48	8.244.861,940	181.228,679	1.047,28	18°18'05"	351°47'26"	55,263	1,853
1175	E49	8.244.843,759	181.220,478	1.046,42	14°56'45"	348°26'06"	35,488	0,987
1176	E50	8.244.826,579	181.210,342	1.045,58	356°42'25"	330°11'46"	17,135	0,147
1177	E51	8.244.810,107	181.199,040	1.044,70	272°57'21"	246°26'42"	12,303	-0,733
1178	E52	8.244.794,458	181.186,497	1.043,89	238°50'18"	212°19'39"	29,016	-1,537
1179	E53	8.244.779,358	181.173,372	1.042,97	231°34'14"	205°03'35"	48,450	-2,462
1180	E54	8.244.764,673	181.159,868	1.042,02	228°57'26"	202°26'47"	68,226	-3,413
1181	E55	8.244.750,265	181.146,199	1.041,20	227°43'34"	201°12'55"	88,017	-4,225
1182	E56	8.244.735,704	181.132,444	1.040,35	226°55'08"	200°24'29"	108,001	-5,078
1183	E57	8.244.721,262	181.118,535	1.039,49	226°26'59"	199°56'20"	128,029	-5,944
1184	E58	8.244.706,834	181.104,779	1.038,74	226°04'14"	199°33'35"	147,941	-6,688
1185	E59	8.244.692,325	181.090,824	1.038,00	225°48'31"	199°17'53"	168,060	-7,432
1186	E60	8.244.676,921	181.078,176	1.037,48	225°07'44"	198°37'06"	187,879	-7,948
1187	E61	8.244.658,980	181.069,808	1.036,86	223°14'22"	196°43'44"	206,580	-8,565
1188	MF	8.244.681,067	181.098,334	1.037,84	221°20'47"	194°50'09"	171,041	-7,585
1189	MF	8.244.692,332	181.090,896	1.037,99	225°47'35"	199°16'57"	168,003	-7,441
1190	MF	8.244.695,437	181.111,271	1.038,61	221°15'50"	194°45'11"	151,707	-6,816
1191	MF	8.244.699,049	181.097,315	1.038,32	225°54'57"	199°24'18"	158,719	-7,112
1192	MF	8.244.713,977	181.111,691	1.039,14	226°12'55"	199°42'16"	138,009	-6,288
1193	MF	8.244.728,457	181.125,446	1.039,91	226°40'11"	200°09'32"	118,063	-5,519
1194	MF	8.244.730,935	181.142,360	1.040,67	221°17'15"	194°46'36"	104,520	-4,758
1195	MF	8.244.743,527	181.139,859	1.040,82	227°18'04"	200°47'25"	97,243	-4,611
1196	MF	8.244.741,386	181.150,763	1.041,27	221°39'11"	195°08'32"	91,124	-4,163
1197	MF	8.244.758,759	181.154,328	1.041,67	228°20'20"	201°49'41"	76,293	-3,758
1198	MF	8.244.752,517	181.161,285	1.041,96	221°18'10"	194°47'31"	75,815	-3,470
1199	MF	8.244.773,316	181.167,867	1.042,60	230°14'27"	203°43'48"	56,532	-2,824
1200	MF	8.244.766,954	181.174,973	1.042,81	220°31'50"	194°01'11"	55,941	-2,615
1201	MF	8.244.785,462	181.178,800	1.043,30	233°33'57"	207°03'18"	40,428	-2,129
1202	MF	8.244.779,739	181.186,427	1.043,59	219°56'35"	193°25'56"	38,782	-1,834
1203	MF	8.244.799,914	181.191,222	1.044,19	244°34'18"	218°03'39"	22,260	-1,238
1204	MF	8.244.794,080	181.198,795	1.044,43	219°08'57"	192°38'18"	19,849	-0,999
1205	MF	8.244.813,877	181.213,583	1.045,56	27°07'46"	0°37'07"	4,949	0,132
1206	BAS	8.244.819,156	181.205,384	1.045,20	328°28'00"	301°57'21"	11,361	-0,228
1207	MF	8.244.829,935	181.223,534	1.046,38	30°49'18"	4°18'39"	23,827	0,948
1208	BAS	8.244.834,539	181.215,344	1.045,96	9°06'24"	342°35'45"	25,387	0,531

Nome	Descrição	Norte	Este	Cota
M3		8.244.809,472	181.211,326	1.045,43

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1209	MF	8.244.847,440	181.233,116	1.047,21	29°51'05"	3°20'26"	43,776	1,779
1210	BAS	8.244.851,956	181.224,507	1.046,83	17°14'13"	350°43'34"	44,482	1,400
1211	MF	8.244.833,572	181.247,565	1.047,19	56°22'33"	29°51'54"	43,521	1,765
1212	MF	8.244.830,146	181.253,736	1.047,38	64°00'42"	37°30'03"	47,181	1,954
1213	MF	8.244.816,336	181.237,158	1.046,38	75°07'13"	48°36'34"	26,728	0,949
1214	MF	8.244.812,337	181.243,219	1.046,56	84°52'01"	58°21'22"	32,021	1,134
1215	MF	8.244.800,617	181.225,547	1.045,47	121°54'36"	95°23'57"	16,753	0,041
1216	MF	8.244.795,613	181.230,756	1.045,68	125°30'01"	98°59'22"	23,867	0,250
1217	MF	8.244.786,275	181.212,685	1.044,79	176°38'49"	150°08'10"	23,237	-0,639
1218	MF	8.244.781,487	181.217,932	1.044,93	166°43'06"	140°12'27"	28,755	-0,496
1219	MF	8.244.772,320	181.199,403	1.044,00	197°47'32"	171°16'53"	39,019	-1,432
1220	MF	8.244.765,199	181.202,483	1.043,97	191°17'42"	164°47'03"	45,148	-1,455
1221	MF	8.244.757,691	181.195,053	1.043,55	197°26'45"	170°56'06"	54,279	-1,881
1222	MF	8.244.753,272	181.196,059	1.043,58	195°11'51"	168°41'12"	58,237	-1,844
1223	MF	8.244.749,791	181.197,785	1.043,63	192°47'01"	166°16'22"	61,198	-1,798
1224	MF	8.244.747,817	181.200,033	1.043,74	190°22'47"	163°52'08"	62,681	-1,685
1225	MF	8.244.745,457	181.204,593	1.043,93	186°00'16"	159°29'37"	64,369	-1,500
1226	MF	8.244.739,589	181.200,857	1.043,71	188°31'11"	162°00'32"	70,663	-1,719
1227	MF	8.244.743,905	181.191,939	1.043,27	196°28'19"	169°57'40"	68,373	-2,158
1228	MF	8.244.745,387	181.186,771	1.042,92	200°57'53"	174°27'14"	68,628	-2,507
1229	MF	8.244.745,069	181.184,525	1.042,81	202°35'41"	176°05'02"	69,757	-2,618
1230	MF	8.244.743,306	181.181,841	1.042,69	204°01'07"	177°30'28"	72,438	-2,735
1231	MF	8.244.741,110	181.179,604	1.042,56	204°53'34"	178°22'55"	75,364	-2,873
1232	MF	8.244.757,297	181.185,170	1.043,14	206°37'30"	180°06'51"	58,364	-2,285
1233	MF	8.244.735,733	181.174,711	1.042,21	206°24'24"	179°53'45"	82,330	-3,219
1234	MF	8.244.746,270	181.174,739	1.042,55	210°03'57"	183°33'18"	73,029	-2,876
1235	MF	8.244.722,197	181.161,871	1.041,43	209°32'19"	183°01'40"	100,313	-3,998
1236	MF	8.244.707,677	181.148,210	1.040,79	211°48'01"	185°17'22"	119,775	-4,639

Nome	Descrição	Norte	Este	Cota
M4		8.244.694,429	181.142,258	1.040,25

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
AUX4	A	8.244.654,960	181.067,053	1.036,85	242°18'32"	211°19'48"	84,933	-3,399
AUX5	A	8.244.635,222	181.060,140	1.036,05	234°12'32"	203°13'48"	101,236	-4,202
AUX6	A	8.244.617,856	181.049,285	1.035,28	230°31'30"	199°32'46"	120,447	-4,975
AUX7	A	8.244.602,770	181.028,804	1.033,88	231°03'57"	200°05'13"	145,853	-6,368
AUX8	A	8.244.582,250	181.018,202	1.033,59	227°52'42"	196°53'58"	167,255	-6,662
AUX9	A	8.244.575,640	180.993,726	1.031,43	231°20'56"	200°22'12"	190,191	-8,821
1237	MF	8.244.724,840	181.164,456	1.041,61	36°07'32"	5°08'48"	37,651	1,361
1238	MF	8.244.729,998	181.159,213	1.041,64	25°29'10"	354°30'26"	39,403	1,394
1239	E57	8.244.716,271	181.155,822	1.041,17	31°50'25"	0°51'41"	25,711	0,917
1240	E58	8.244.701,570	181.142,261	1.040,29	0°01'17"	329°02'33"	7,141	0,040
1241	E59	8.244.687,363	181.128,403	1.039,53	242°58'45"	212°00'01"	15,553	-0,720
1242	E60	8.244.672,641	181.114,753	1.038,76	231°36'59"	200°38'15"	35,089	-1,486
1243	E61	8.244.658,359	181.100,907	1.037,95	228°54'10"	197°55'26"	54,872	-2,296
1244	E62	8.244.643,773	181.087,354	1.037,05	227°18'18"	196°19'34"	74,703	-3,203
1245	E63	8.244.629,297	181.073,565	1.036,28	226°31'29"	195°32'45"	94,663	-3,966

Nome	Descrição	Norte	Este	Cota
M4		8.244.694,429	181.142,258	1.040,25

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1246	E64	8.244.614,811	181.059,746	1.035,44	226°01'23"	195°02'39"	114,662	-4,814
1247	E65	8.244.600,435	181.045,914	1.034,77	225°42'28"	194°43'44"	134,599	-5,480
1248	E66	8.244.577,598	181.014,504	1.033,54	227°33'27"	196°34'43"	173,120	-6,709
1249	E66+	8.244.564,658	181.002,342	1.033,27	227°09'16"	196°10'32"	190,832	-6,985
1250	E65	8.244.592,283	181.028,816	1.034,14	227°59'59"	197°01'15"	152,653	-6,115
1251	E64	8.244.606,625	181.042,065	1.034,78	228°46'14"	197°47'30"	133,222	-5,474
1252	E63	8.244.622,518	181.054,089	1.035,54	230°47'58"	199°49'14"	113,776	-4,712
1253	E62	8.244.640,111	181.063,590	1.036,26	235°22'35"	204°23'51"	95,599	-3,989
1254	E61	8.244.658,951	181.069,937	1.036,91	243°52'11"	212°53'27"	80,555	-3,345
1255	E60	8.244.676,828	181.078,278	1.037,49	254°37'09"	223°38'25"	66,357	-2,765
1256	E59	8.244.692,303	181.090,819	1.038,01	267°38'03"	236°39'19"	51,484	-2,245
1257	E58	8.244.706,726	181.104,770	1.038,74	288°09'40"	257°10'56"	39,454	-1,514
1258	MF	8.244.672,933	181.086,919	1.037,46	248°46'21"	217°47'37"	59,367	-2,791
1259	MF	8.244.664,041	181.096,275	1.037,94	236°32'31"	205°33'47"	55,117	-2,312
1260	MF	8.244.653,606	181.086,441	1.037,39	233°49'11"	202°50'27"	69,153	-2,863
1261	MF	8.244.639,192	181.073,046	1.036,56	231°24'27"	200°25'43"	88,552	-3,689
1262	MF	8.244.658,460	181.078,956	1.036,94	240°23'41"	209°24'57"	72,807	-3,309
1263	PVA	8.244.658,339	181.082,765	1.037,42	238°45'30"	207°46'46"	69,584	-2,826
1264	PV	8.244.661,728	181.089,896	1.037,65	238°00'53"	207°02'09"	61,735	-2,602
1265	AV	8.244.660,138	181.081,573	1.037,39	240°31'52"	209°33'08"	69,703	-2,865
1266	LU	8.244.650,591	181.079,788	1.037,14	234°56'28"	203°57'44"	76,317	-3,113
1267	PLS	8.244.671,662	181.074,019	1.037,29	251°32'59"	220°34'15"	71,937	-2,956
1268	MF	8.244.684,163	181.083,723	1.037,67	260°03'10"	229°04'26"	59,429	-2,578
1269	MF	8.244.667,032	181.072,481	1.037,18	248°33'50"	217°35'06"	74,963	-3,070
1270	MF	8.244.654,070	181.067,728	1.036,73	241°33'51"	210°35'07"	84,756	-3,517
1271	MF	8.244.645,335	181.065,235	1.036,44	237°29'14"	206°30'30"	91,338	-3,807
1272	MF	8.244.633,649	181.060,469	1.036,01	233°22'59"	202°24'15"	101,901	-4,244
1273	MF	8.244.621,353	181.052,337	1.035,43	230°54'02"	199°55'18"	115,870	-4,816
1274	BAS	8.244.604,229	181.039,687	1.034,59	228°40'20"	197°41'36"	136,591	-5,665
1275	BAS	8.244.585,102	181.021,672	1.033,85	227°48'14"	196°49'30"	162,768	-6,400
1276	BAS	8.244.571,059	181.008,300	1.033,33	227°21'23"	196°22'39"	182,112	-6,920
1277	MF-PONT	8.244.565,996	181.001,018	1.033,22	227°43'09"	196°44'25"	190,903	-7,033
1278	PONT	8.244.545,815	180.981,701	1.033,36	227°12'45"	196°14'01"	218,780	-6,895
1279	PONT	8.244.546,861	180.980,638	1.033,25	227°36'09"	196°37'25"	218,855	-7,001
1280	BL	8.244.566,484	181.001,420	1.033,08	227°44'48"	196°46'04"	190,277	-7,168
1281	LU	8.244.571,460	181.004,813	1.033,49	228°10'55"	197°12'11"	184,425	-6,757
1282	LU	8.244.600,721	181.032,141	1.034,23	229°36'11"	198°37'27"	144,592	-6,020
1283	AV	8.244.585,804	181.016,611	1.034,06	229°09'22"	198°10'38"	166,092	-6,194
1284	AV	8.244.591,239	181.024,442	1.034,30	228°47'11"	197°48'27"	156,617	-5,951
1285	AV	8.244.591,331	181.022,709	1.034,27	229°13'34"	198°14'50"	157,865	-5,979
1286	AV	8.244.627,010	181.049,116	1.035,53	234°06'08"	203°07'24"	114,982	-4,724
1287	AV	8.244.629,777	181.048,961	1.035,49	235°16'46"	204°18'02"	113,509	-4,759
1288	AV	8.244.633,612	181.052,726	1.035,75	235°48'47"	204°50'03"	108,234	-4,505
1289	LU	8.244.632,121	181.056,766	1.035,63	233°54'54"	202°56'10"	105,788	-4,619

Nome	Descrição	Norte	Este	Cota
AUX4		8.244.654,960	181.067,053	1.036,85

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1290	C	8.244.660,842	181.056,700	1.036,38	299°36'02"	237°17'30"	11,907	-0,470
1291	C	8.244.661,289	181.055,109	1.035,29	297°54'59"	235°36'27"	13,517	-1,562
1292	C	8.244.662,227	181.053,299	1.036,21	297°51'03"	235°32'31"	15,556	-0,643
1293	C	8.244.669,232	181.037,751	1.036,01	295°58'10"	233°39'38"	32,594	-0,837
1294	C	8.244.676,550	181.023,809	1.035,30	296°31'53"	234°13'21"	48,335	-1,556
1295	C	8.244.681,770	181.010,089	1.034,41	295°12'14"	232°53'42"	62,958	-2,442
1296	MU	8.244.656,006	181.113,733	1.037,80	88°42'59"	26°24'27"	46,691	0,952
1297	MU	8.244.645,255	181.103,498	1.037,71	104°54'39"	42°36'07"	37,715	0,856
1298	MU	8.244.634,584	181.093,063	1.037,33	128°04'30"	65°45'58"	33,041	0,481
1299	MU	8.244.623,728	181.082,415	1.036,63	153°48'34"	91°30'02"	34,805	-0,221
1300	MU	8.244.612,856	181.071,885	1.035,95	173°27'11"	111°08'39"	42,380	-0,901
1301	MU	8.244.602,355	181.061,426	1.035,29	186°06'20"	123°47'48"	52,905	-1,563
1302	PCT	8.244.606,137	181.055,862	1.035,41	192°54'36"	130°36'04"	50,089	-1,446
1303	PC	8.244.631,676	181.080,647	1.036,66	149°43'23"	87°24'51"	26,962	-0,190
1304	PC	8.244.649,382	181.097,518	1.037,71	100°22'33"	38°04'01"	30,971	0,859
1305	RG	8.244.650,050	181.095,846	1.037,96	99°40'40"	37°22'08"	29,208	1,112
1306	CXAD	8.244.648,504	181.096,532	1.037,99	102°21'09"	40°02'37"	30,177	1,140
1307	CXAD	8.244.650,101	181.094,855	1.038,02	99°54'48"	37°36'16"	28,224	1,167
1308	CXAD	8.244.648,472	181.093,214	1.037,99	103°55'44"	41°37'12"	26,954	1,136
1309	C	8.244.648,145	181.093,299	1.037,51	104°33'21"	42°14'49"	27,116	0,656
1310	MF	8.244.658,925	181.101,811	1.038,03	83°29'33"	21°11'01"	34,983	1,175
1311	MF	8.244.650,118	181.093,354	1.037,44	100°25'52"	38°07'20"	26,743	0,592
1312	MF	8.244.636,437	181.080,296	1.036,65	144°26'18"	82°07'46"	22,770	-0,203
1313	MF	8.244.621,013	181.065,912	1.035,88	181°55'30"	119°36'58"	33,967	-0,975
1314	MF	8.244.607,382	181.052,840	1.035,12	196°38'00"	134°19'28"	49,655	-1,732
1315	AV	8.244.643,285	181.095,927	1.037,61	112°01'00"	49°42'28"	31,145	0,754
1316	AV	8.244.648,867	181.101,536	1.037,59	100°01'13"	37°42'41"	35,017	0,739
1317	MF	8.244.678,477	181.097,737	1.037,78	52°31'57"	350°13'25"	38,660	0,927
1318	MF	8.244.675,328	181.099,405	1.037,92	57°48'23"	355°29'51"	38,230	1,072
1319	MF	8.244.674,263	181.103,663	1.038,36	62°11'56"	359°53'24"	41,387	1,508
1320	MF	8.244.676,127	181.107,940	1.038,68	62°37'44"	0°19'12"	46,041	1,827
1321	MF	8.244.689,016	181.120,303	1.039,34	57°23'58"	355°05'26"	63,209	2,485
1322	MF	8.244.701,697	181.132,344	1.040,02	54°24'13"	352°05'41"	80,295	3,166
1323	MF	8.244.714,510	181.144,553	1.040,78	52°27'42"	350°09'10"	97,737	3,927
1324	MF	8.244.714,485	181.144,519	1.040,78	52°27'40"	350°09'08"	97,694	3,925
1325	MF	8.244.727,768	181.157,205	1.041,55	51°04'30"	348°45'58"	115,881	4,695
1326	MF	8.244.723,088	181.162,833	1.041,53	54°34'33"	352°16'01"	117,539	4,675
1327	MF	8.244.708,955	181.149,356	1.040,75	56°43'58"	354°25'26"	98,434	3,903
1328	MF	8.244.694,154	181.135,255	1.039,90	60°06'53"	357°48'21"	78,662	3,048
1329	MF	8.244.679,759	181.121,565	1.039,13	65°32'15"	3°13'43"	59,888	2,281
1330	CE	8.244.690,787	181.074,160	1.037,43	11°13'12"	308°54'40"	36,525	0,575
1331	CE	8.244.672,620	181.067,133	1.036,91	0°15'28"	297°56'56"	17,660	0,061
1332	CE	8.244.666,733	181.065,042	1.036,78	350°18'11"	287°59'39"	11,943	-0,070
1333	CE	8.244.659,878	181.059,572	1.037,11	303°19'12"	241°00'40"	8,953	0,260

Nome	Descrição	Norte	Este	Cota
AUX5		8.244.635,222	181.060,140	1.036,05

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1334	C	8.244.638,264	181.057,096	1.035,98	314°58'42"	260°46'10"	4,303	-0,065
1335	C	8.244.641,500	181.052,896	1.035,01	310°54'34"	256°42'02"	9,586	-1,039
1336	CE	8.244.644,965	181.048,389	1.034,62	309°39'41"	255°27'09"	15,265	-1,434
1337	C	8.244.646,038	181.046,168	1.035,06	307°44'38"	253°32'06"	17,669	-0,988
1338	C	8.244.648,619	181.043,756	1.034,17	309°16'14"	255°03'42"	21,164	-1,883
1339	C	8.244.652,613	181.038,734	1.033,91	309°05'30"	254°52'58"	27,580	-2,138
1340	C	8.244.660,965	181.028,895	1.033,76	309°29'05"	255°16'33"	40,484	-2,284
1341	C	8.244.663,456	181.025,811	1.033,99	309°26'07"	255°13'35"	44,448	-2,057
1342	C	8.244.665,843	181.023,669	1.034,62	310°01'00"	255°48'28"	47,621	-1,432
1343	C	8.244.679,478	181.006,516	1.034,17	309°31'57"	255°19'25"	69,528	-1,875

Nome	Descrição	Norte	Este	Cota
AUX6		8.244.617,856	181.049,285	1.035,28

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1344	C	8.244.625,044	181.040,541	1.034,60	309°25'14"	258°53'44"	11,320	-0,674
1345	CE	8.244.629,472	181.035,681	1.034,18	310°29'30"	259°58'00"	17,889	-1,095
1346	C	8.244.635,320	181.029,075	1.033,91	310°49'49"	260°18'19"	26,711	-1,363
1347	C	8.244.636,431	181.027,411	1.033,43	310°20'16"	259°48'46"	28,697	-1,850
1348	C	8.244.642,168	181.020,049	1.033,18	309°44'44"	259°13'14"	38,024	-2,098
1349	C	8.244.647,430	181.013,949	1.032,95	309°55'39"	259°24'09"	46,079	-2,324
1350	C	8.244.654,521	181.006,068	1.032,89	310°18'38"	259°47'08"	56,675	-2,388
1351	C	8.244.591,859	181.051,774	1.033,92	174°31'55"	124°00'25"	26,116	-1,352
1352	C	8.244.577,630	181.037,922	1.032,66	195°46'26"	145°14'56"	41,800	-2,616
1353	C	8.244.558,845	181.020,897	1.031,72	205°41'26"	155°09'56"	65,485	-3,551
1354	C	8.244.540,850	181.034,843	1.031,62	190°37'21"	140°05'51"	78,348	-3,652
1355	C	8.244.559,800	181.049,432	1.033,24	179°51'20"	129°19'50"	58,056	-2,037
1356	C	8.244.570,143	181.056,128	1.031,72	171°50'21"	121°18'51"	48,200	-3,551
1357	PS2	8.244.610,024	181.068,976	1.035,90	111°41'24"	61°09'54"	21,191	0,629
1358	MF	8.244.608,097	181.053,420	1.035,12	157°02'19"	106°30'49"	10,598	-0,151
1359	MF	8.244.592,234	181.037,995	1.034,36	203°46'48"	153°15'18"	27,999	-0,917
1360	MF	8.244.577,832	181.024,195	1.033,67	212°04'59"	161°33'29"	47,238	-1,609
1361	MF-PONT	8.244.558,698	181.008,646	1.033,11	214°29'15"	163°57'45"	71,772	-2,163
1362	PONT	8.244.557,719	181.009,852	1.033,25	213°15'13"	162°43'43"	71,913	-2,022
1363	PONT	8.244.537,400	180.990,591	1.033,09	216°06'41"	165°35'11"	99,590	-2,189
1364	MF-PONT	8.244.538,491	180.989,467	1.033,29	217°00'22"	166°28'52"	99,383	-1,990
1365	PONT	8.244.567,142	180.999,946	1.033,38	224°12'47"	173°41'17"	70,755	-1,900
1366	BL	8.244.559,154	181.009,071	1.032,97	214°24'48"	163°53'18"	71,155	-2,308
1367	REDE	8.244.556,318	181.011,257	1.033,21	211°42'54"	161°11'24"	72,340	-2,067
1368	RG	8.244.555,698	181.010,878	1.033,79	211°42'43"	161°11'13"	73,067	-1,482
1369	RG	8.244.562,329	181.016,285	1.034,12	210°43'26"	160°11'56"	64,593	-1,158
1370	PC	8.244.573,835	181.025,058	1.033,62	208°49'36"	158°18'06"	50,248	-1,656

Nome	Descrição	Norte	Este	Cota
AUX7		8.244.602,770	181.028,804	1.033,88

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1371	C	8.244.608,515	181.023,631	1.033,90	317°59'42"	266°55'45"	7,730	0,015

Nome	Descrição	Norte	Este	Cota
AUX7		8.244.602,770	181.028,804	1.033,88

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1372	CE	8.244.611,219	181.020,626	1.033,84	315°55'50"	264°51'53"	11,758	-0,044
1373	C	8.244.616,136	181.017,017	1.033,42	318°35'29"	267°31'32"	17,820	-0,462
1374	C	8.244.624,326	181.010,432	1.033,04	319°33'36"	268°29'39"	28,323	-0,840
1375	C	8.244.628,895	181.006,699	1.032,93	319°45'50"	268°41'53"	34,222	-0,952
1376	C	8.244.631,864	181.004,439	1.032,91	320°03'19"	268°59'22"	37,948	-0,968
1377	C	8.244.633,491	181.002,888	1.032,81	319°50'57"	268°47'00"	40,192	-1,077
1378	C	8.244.640,809	180.996,788	1.032,28	319°54'50"	268°50'53"	49,719	-1,599
1379	CR	8.244.643,426	180.994,198	1.031,51	319°35'45"	268°31'48"	53,390	-2,368
1380	NA-PE	8.244.643,453	180.993,727	1.030,96	319°13'56"	268°09'59"	53,716	-2,919
1381	F	8.244.651,435	180.987,672	1.030,12	319°47'43"	268°43'46"	63,718	-3,757
1382	NA-PE	8.244.655,794	180.983,061	1.030,89	319°12'58"	268°09'01"	70,028	-2,996
1383	CR	8.244.657,650	180.981,748	1.032,51	319°23'22"	268°19'25"	72,291	-1,374

Nome	Descrição	Norte	Este	Cota
AUX8		8.244.582,250	181.018,202	1.033,59

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1384	C	8.244.588,991	181.009,409	1.032,10	307°28'42"	259°36'00"	11,080	-1,489
1385	C	8.244.596,310	181.003,359	1.032,64	313°27'03"	265°34'21"	20,445	-0,950
1386	CE	8.244.599,705	181.000,603	1.032,55	314°45'59"	266°53'17"	24,787	-1,038
1387	C	8.244.605,848	180.994,216	1.032,45	314°32'01"	266°39'19"	33,648	-1,140
1388	C	8.244.612,481	180.987,237	1.032,23	314°18'47"	266°26'05"	43,275	-1,358
1389	C	8.244.621,586	180.976,675	1.032,46	313°26'55"	265°34'13"	57,200	-1,124

Nome	Descrição	Norte	Este	Cota
AUX9		8.244.575,640	180.993,726	1.031,43

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1390	CR	8.244.569,201	180.997,092	1.031,25	152°24'23"	101°03'27"	7,265	-0,179
1391	CR	8.244.579,878	180.989,502	1.031,20	315°05'36"	263°44'40"	5,984	-0,233
1392	CR	8.244.596,428	180.984,179	1.031,86	335°19'55"	283°58'59"	22,876	0,434
1393	PE-NA	8.244.595,847	180.984,008	1.031,01	334°18'54"	282°57'58"	22,423	-0,424
1394	PE-NA	8.244.578,989	180.989,598	1.030,84	309°03'06"	257°42'10"	5,316	-0,594
1395	PE-NA	8.244.567,946	180.996,251	1.028,96	161°50'04"	110°29'08"	8,097	-2,466
1396	F	8.244.566,567	180.994,724	1.028,55	173°43'31"	122°22'35"	9,127	-2,881
1397	F	8.244.565,640	180.993,804	1.028,63	179°33'25"	128°12'29"	10,000	-2,797
1398	F	8.244.564,596	180.992,848	1.028,38	184°32'46"	133°11'50"	11,079	-3,046
1399	F	8.244.563,484	180.991,428	1.028,49	190°42'28"	139°21'32"	12,371	-2,939
1400	F	8.244.562,101	180.990,750	1.028,69	192°23'50"	141°02'54"	13,862	-2,741
1401	F	8.244.561,264	180.989,841	1.028,62	195°07'24"	143°46'28"	14,891	-2,811
1402	F	8.244.560,278	180.988,338	1.028,49	199°19'48"	147°58'52"	16,279	-2,941
1403	F	8.244.559,743	180.987,362	1.028,50	201°49'12"	150°28'16"	17,123	-2,929
1404	NA-PE	8.244.559,294	180.986,376	1.028,66	204°12'46"	152°51'50"	17,922	-2,768
1405	CR	8.244.558,774	180.985,127	1.028,59	207°00'58"	155°40'02"	18,931	-2,843
1406	CR	8.244.558,385	180.984,247	1.028,43	208°46'57"	157°26'01"	19,687	-3,000
1406	CR	8.244.559,130	180.985,204	1.029,36	207°18'08"	155°57'12"	18,579	-2,068
1407	CR	8.244.558,355	180.984,490	1.029,31	208°07'07"	156°46'11"	19,598	-2,117
1408	PE-NA	8.244.558,028	180.984,455	1.029,03	207°45'54"	156°24'58"	19,903	-2,404

Nome	Descrição	Norte	Este	Cota
AUX9		8.244.575,640	180.993,726	1.031,43

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1409	F	8.244.557,177	180.983,272	1.028,71	209°31'10"	158°10'14"	21,217	-2,724
1410	F	8.244.556,251	180.982,981	1.028,59	208°59'44"	157°38'48"	22,166	-2,841
1411	F	8.244.555,601	180.981,971	1.028,49	210°23'51"	159°02'55"	23,232	-2,936
1412	NA-PE	8.244.554,359	180.981,479	1.029,00	209°55'19"	158°34'23"	24,553	-2,433
1413	CR	8.244.553,934	180.981,309	1.029,37	209°46'26"	158°25'30"	25,006	-2,062
1414	CR	8.244.566,599	180.966,684	1.031,60	251°30'53"	200°09'57"	28,514	0,167
1415	NA-PE	8.244.566,591	180.966,968	1.030,26	251°18'56"	199°58'00"	28,247	-1,170
1416	F	8.244.567,672	180.968,706	1.030,46	252°20'08"	200°59'12"	26,258	-0,968
AM3	NA-PE	8.244.568,627	180.971,254	1.030,27	252°40'08"	201°19'12"	23,541	-1,164
1417	CR	8.244.568,947	180.972,560	1.031,85	252°27'10"	201°06'14"	22,199	0,416
1418	CR	8.244.572,535	180.978,479	1.031,67	258°29'33"	207°08'37"	15,560	0,240
1419	NA-PE	8.244.573,154	180.978,949	1.030,92	260°27'08"	209°06'12"	14,984	-0,509
1420	F	8.244.573,820	180.980,505	1.030,37	262°09'50"	210°48'54"	13,346	-1,056
1421	F	8.244.574,246	180.981,433	1.030,44	263°31'52"	212°10'56"	12,373	-0,989
1422	F	8.244.574,642	180.982,395	1.030,29	264°58'02"	213°37'06"	11,375	-1,135
1423	F	8.244.575,213	180.983,389	1.030,46	267°38'20"	216°17'24"	10,346	-0,970
1424	F	8.244.576,044	180.984,660	1.030,03	272°33'14"	221°12'18"	9,075	-1,398
1425	F	8.244.576,652	180.985,681	1.030,25	277°10'29"	225°49'33"	8,109	-1,181
1426	F	8.244.577,461	180.986,734	1.030,10	284°36'15"	233°15'19"	7,226	-1,330
1427	F	8.244.577,981	180.987,710	1.030,06	291°15'53"	239°54'57"	6,455	-1,367
1428	F	8.244.578,576	180.988,725	1.030,18	300°25'20"	249°04'24"	5,800	-1,245
1429	F	8.244.589,503	180.985,475	1.030,08	329°14'25"	277°53'29"	16,133	-1,349
1430	F	8.244.588,724	180.983,740	1.029,87	322°38'53"	271°17'57"	16,459	-1,559
1431	F	8.244.588,421	180.982,701	1.029,96	319°13'07"	267°52'11"	16,880	-1,472
1432	F	8.244.588,326	180.981,464	1.029,88	315°58'26"	264°37'30"	17,644	-1,554
1433	F	8.244.587,970	180.980,527	1.029,97	313°03'06"	261°42'10"	18,063	-1,461
1434	F	8.244.587,732	180.979,878	1.029,86	311°07'44"	259°46'48"	18,385	-1,572
1435	F	8.244.587,765	180.979,034	1.029,91	309°31'57"	258°11'01"	19,049	-1,520
1436	F	8.244.587,866	180.977,866	1.030,07	307°37'36"	256°16'40"	20,026	-1,359
1437	NA-PE	8.244.587,759	180.976,859	1.030,80	305°41'53"	254°20'57"	20,769	-0,628
1438	NA-PE	8.244.587,709	180.976,326	1.030,90	304°44'51"	253°23'55"	21,177	-0,526
1439	CR	8.244.587,400	180.976,033	1.031,31	303°36'41"	252°15'45"	21,245	-0,123
1440	PI	8.244.562,103	180.997,243	1.029,26	165°26'15"	114°05'19"	13,986	-2,168
1441	PI	8.244.555,179	181.003,987	1.029,29	153°22'03"	102°01'07"	22,889	-2,138
1442	PI	8.244.543,385	180.992,853	1.030,35	181°33'05"	130°12'09"	32,266	-1,083
1443	PI	8.244.549,839	180.985,867	1.029,75	196°56'32"	145°35'36"	26,971	-1,684

Nome	Descrição	Norte	Este	Cota
M5		8.244.466,252	180.915,280	1.036,48

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
AUX10	A	8.244.428,782	180.853,504	1.039,13	238°45'40"	193°54'43"	72,251	2,653
1444	BAS-E70	8.244.528,049	180.977,138	1.033,39	45°01'43"	0°10'45"	87,438	-3,084
1445	BAS-E71	8.244.513,522	180.963,386	1.033,97	45°30'09"	0°39'11"	67,444	-2,504
1446	BAS-E72	8.244.499,066	180.949,448	1.034,74	46°09'32"	1°18'34"	47,373	-1,737
1447	BAS-E73	8.244.485,562	180.934,780	1.035,55	45°16'57"	0°25'59"	27,443	-0,922
1448	BAS-E74	8.244.472,863	180.919,355	1.036,32	31°39'15"	346°48'17"	7,766	-0,155
1449	BAS-E75	8.244.461,252	180.902,977	1.037,14	247°52'57"	203°01'59"	13,280	0,661

Nome	Descrição	Norte	Este	Cota
M5		8.244.466,252	180.915,280	1.036,48

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1450	BAS-E76	8.244.450,640	180.886,096	1.037,97	241°51'16"	197°00'18"	33,097	1,495
1451	BAS-E77	8.244.441,210	180.868,447	1.038,75	241°51'58"	197°01'00"	53,107	2,270
1452	BAS-E78	8.244.432,943	180.850,211	1.039,48	242°53'30"	198°02'32"	73,099	3,007
1453	BAS	8.244.435,580	180.856,044	1.039,25	242°37'29"	197°46'31"	66,705	2,772
1454	BAS	8.244.430,540	180.850,415	1.039,45	241°09'51"	196°18'53"	74,045	2,972
1455	BAS	8.244.423,813	180.851,204	1.039,43	236°28'57"	191°37'59"	76,855	2,955
1456	MF	8.244.423,897	180.839,852	1.039,80	240°41'05"	195°50'07"	86,506	3,321
1457	MF	8.244.425,940	180.835,206	1.040,03	243°16'39"	198°25'41"	89,648	3,553
1458	MF	8.244.424,796	180.830,354	1.040,32	243°58'50"	199°07'52"	94,504	3,841
1459	BAS	8.244.440,077	180.848,293	1.039,34	248°39'26"	203°48'28"	71,919	2,865
1460	BAS	8.244.440,037	180.839,153	1.039,59	250°59'54"	206°08'56"	80,514	3,113
1461	QQ	8.244.421,998	180.863,016	1.039,06	229°44'37"	184°53'39"	68,483	2,579
1462	QQ	8.244.425,517	180.867,831	1.038,77	229°21'13"	184°30'15"	62,535	2,291
1463	QQ	8.244.418,832	180.873,509	1.039,43	221°22'33"	176°31'35"	63,194	2,958
1464	AV	8.244.432,361	180.872,423	1.038,54	231°39'46"	186°48'48"	54,638	2,062
1465	AV	8.244.424,542	180.860,522	1.038,78	232°42'10"	187°51'12"	68,834	2,304
1466	AV	8.244.430,969	180.859,878	1.038,92	237°30'29"	192°39'31"	65,683	2,444
1467	AV	8.244.428,946	180.866,631	1.038,64	232°31'02"	187°40'04"	61,306	2,164
1468	PC	8.244.434,735	180.860,330	1.038,85	240°09'46"	195°18'48"	63,347	2,370
1469	PC	8.244.449,247	180.887,863	1.037,76	238°11'29"	193°20'31"	32,262	1,288
1470	MU	8.244.451,065	180.907,157	1.037,08	208°08'18"	163°17'20"	17,223	0,601
1471	GRA	8.244.414,802	180.869,060	1.039,40	221°56'06"	177°05'08"	69,162	2,925
1472	PC	8.244.467,749	180.922,612	1.036,01	78°27'53"	33°36'55"	7,483	-0,464
1473	CE-CV	8.244.475,714	180.932,421	1.035,62	61°06'13"	16°15'15"	19,580	-0,856
1474	CE	8.244.490,549	180.947,207	1.032,40	52°43'41"	7°52'43"	40,121	-4,080
1475	CE	8.244.505,919	180.962,684	1.033,57	50°04'42"	5°13'44"	61,811	-2,907
1476	CE	8.244.519,802	180.976,970	1.033,09	49°02'27"	4°11'29"	81,690	-3,386
1477	CE	8.244.536,116	180.993,989	1.033,02	48°24'26"	3°33'28"	105,243	-3,460
1478	PC	8.244.523,704	180.977,013	1.033,16	47°03'27"	2°12'29"	84,332	-3,320
1479	REDE	8.244.534,622	180.991,162	1.033,18	47°58'54"	3°07'56"	102,140	-3,295
1480	RG	8.244.534,075	180.990,977	1.033,83	48°08'26"	3°17'28"	101,637	-2,646
1481	AV	8.244.543,220	180.979,604	1.033,54	39°53'13"	355°02'15"	100,308	-2,932
1482	AV	8.244.543,229	180.979,599	1.033,52	39°52'52"	355°01'54"	100,312	-2,951
1483	LU	8.244.537,090	180.972,449	1.033,11	38°54'18"	354°03'20"	91,029	-3,363
1484	CE	8.244.543,105	180.975,827	1.032,82	38°13'56"	353°22'58"	97,838	-3,654
1485	CE	8.244.529,181	180.962,317	1.033,16	36°46'38"	351°55'40"	78,566	-3,321
1486	CE	8.244.514,829	180.948,408	1.033,68	34°17'34"	349°26'36"	58,798	-2,798
1487	PLS	8.244.519,486	180.957,424	1.033,89	38°22'06"	353°31'08"	67,897	-2,583
1488	LU	8.244.507,933	180.945,695	1.034,23	36°07'08"	351°16'10"	51,598	-2,248
1489	PLS	8.244.496,766	180.934,428	1.035,11	32°06'35"	347°15'37"	36,024	-1,368
1490	CE	8.244.499,953	180.932,215	1.034,63	26°40'51"	341°49'53"	37,716	-1,850
1491	CE	8.244.496,607	180.920,868	1.035,01	10°25'56"	325°34'58"	30,865	-1,465
1492	CE	8.244.494,482	180.918,272	1.035,15	6°03'02"	321°12'04"	28,388	-1,325
1493	CE	8.244.481,724	180.912,549	1.036,05	349°59'31"	305°08'33"	15,711	-0,431
1494	LU	8.244.480,640	180.914,903	1.036,16	358°30'04"	313°39'06"	14,393	-0,317
1495	PLS	8.244.463,679	180.891,346	1.037,21	263°51'49"	219°00'51"	24,072	0,736
1496	PLS	8.244.457,623	180.881,755	1.037,86	255°33'57"	210°42'59"	34,617	1,386
1497	LU	8.244.459,965	180.884,701	1.037,63	258°22'51"	213°31'53"	31,219	1,152

Nome	Descrição	Norte	Este	Cota
M5		8.244.466,252	180.915,280	1.036,48

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1498	CE-CV	8.244.475,853	180.904,793	1.036,22	312°28'35"	267°37'37"	14,218	-0,252
1499	CV	8.244.465,175	180.890,815	1.036,99	267°28'47"	222°37'49"	24,488	0,511
1500	BAS	8.244.447,494	180.865,303	1.038,59	249°25'36"	204°34'38"	53,381	2,114
1501	BAS	8.244.456,649	180.882,545	1.037,81	253°39'02"	208°48'04"	34,114	1,330
1502	BAS	8.244.466,647	180.899,099	1.036,99	271°23'47"	226°32'49"	16,185	0,514
1503	BAS	8.244.478,476	180.915,588	1.036,09	1°26'38"	316°35'40"	12,228	-0,382
1504	BAS	8.244.490,744	180.930,279	1.035,35	31°29'06"	346°38'08"	28,720	-1,124
1505	BAS	8.244.503,780	180.944,280	1.034,63	37°41'45"	352°50'47"	47,427	-1,846
1506	BAS	8.244.518,140	180.958,112	1.033,94	39°32'22"	354°41'24"	67,283	-2,538
1507	BAS	8.244.532,976	180.971,917	1.033,38	40°19'34"	355°28'36"	87,521	-3,101
1508	BAS-MF	8.244.462,793	180.905,965	1.037,03	249°37'23"	204°46'25"	9,936	0,550
1509	BAS-MF	8.244.457,389	180.897,637	1.037,40	243°19'32"	198°28'34"	19,744	0,927
1510	MF-POR	8.244.453,534	180.910,148	1.037,05	201°58'19"	157°07'21"	13,715	0,572
1511	MF-POR	8.244.451,130	180.907,686	1.036,99	206°39'49"	161°48'51"	16,922	0,514

Nome	Descrição	Norte	Este	Cota
AUX10		8.244.428,782	180.853,504	1.039,13

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1512	CV-GRA	8.244.443,420	180.841,664	1.039,39	321°01'54"	262°16'14"	18,827	0,260
1513	GRA	8.244.453,917	180.831,166	1.039,38	318°22'19"	259°36'39"	33,626	0,247
1514	GRA	8.244.454,780	180.827,100	1.039,47	314°33'21"	255°47'41"	37,055	0,345
1515	PC	8.244.446,443	180.828,436	1.039,91	305°09'59"	246°24'19"	30,664	0,781
1516	PC	8.244.444,650	180.830,226	1.039,88	304°16'55"	245°31'15"	28,172	0,750
1517	PLS	8.244.444,089	180.830,412	1.039,99	303°32'24"	244°46'44"	27,704	0,864
1518	MF	8.244.444,327	180.829,050	1.039,84	302°26'37"	243°40'57"	28,976	0,715
1519	MF	8.244.460,834	180.811,866	1.039,80	307°35'18"	248°49'38"	52,546	0,672
1520	MF	8.244.455,513	180.807,072	1.039,96	299°55'46"	241°10'06"	53,576	0,832
1521	MF	8.244.444,291	180.818,476	1.039,96	293°52'51"	235°07'11"	38,308	0,834
1522	MF	8.244.440,659	180.820,515	1.039,99	289°48'03"	231°02'23"	35,061	0,859
1523	MF	8.244.434,570	180.820,686	1.040,17	280°00'08"	221°14'28"	33,324	1,043
1524	MF	8.244.430,272	180.817,733	1.040,53	272°23'04"	213°37'24"	35,802	1,399
1525	LU	8.244.431,375	180.815,482	1.040,48	273°54'06"	215°08'26"	38,111	1,354
1526	PLS	8.244.437,613	180.818,790	1.040,28	284°16'21"	225°30'41"	35,820	1,150
1527	PLS	8.244.423,551	180.835,991	1.040,09	253°22'08"	194°36'28"	18,278	0,961
1528	PLS	8.244.441,892	180.819,445	1.040,14	291°03'09"	232°17'29"	36,494	1,013
1529	PVT	8.244.424,354	180.833,895	1.040,35	257°16'26"	198°30'46"	20,103	1,216
1530	PC	8.244.423,714	180.831,212	1.040,45	257°11'24"	198°25'44"	22,861	1,319
1531	PLP	8.244.439,888	180.816,282	1.040,14	286°36'47"	227°51'07"	38,843	1,013
1532	PLP	8.244.441,675	180.816,781	1.040,14	289°20'46"	230°35'06"	38,920	1,006
1533	CXT	8.244.422,046	180.827,898	1.040,54	255°15'38"	196°29'58"	26,477	1,408
1534	AV	8.244.434,794	180.815,413	1.040,17	278°58'09"	220°12'29"	38,563	1,038
1535	CAL	8.244.437,682	180.819,099	1.040,21	284°30'12"	225°44'32"	35,538	1,082
1536	CAL	8.244.437,791	180.820,891	1.040,14	285°26'30"	226°40'50"	33,835	1,015
1537	CAL	8.244.441,395	180.817,809	1.040,11	289°27'40"	230°42'00"	37,857	0,982
1538	CAL	8.244.443,905	180.815,692	1.040,11	291°47'55"	233°02'15"	40,724	0,982
1539	CAL	8.244.449,938	180.809,408	1.040,03	295°37'49"	236°52'09"	48,908	0,897
1540	CAL	8.244.451,430	180.811,027	1.040,05	298°03'57"	239°18'17"	48,137	0,923

Nome	Descrição	Norte	Este	Cota
AUX10		8.244.428,782	180.853,504	1.039,13

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1541	ED	8.244.440,202	180.810,458	1.040,08	284°51'30"	226°05'50"	44,535	0,951
1542	ED	8.244.445,572	180.801,040	1.040,21	287°44'47"	228°59'07"	55,085	1,076
1543	ED	8.244.446,934	180.801,875	1.040,04	289°22'14"	230°36'34"	54,727	0,906
1544	ED	8.244.451,395	180.794,423	1.039,90	290°56'39"	232°10'59"	63,261	0,769
1545	ED	8.244.431,494	180.805,509	1.040,29	273°14'00"	214°28'20"	48,071	1,162
1546	PLP	8.244.431,605	180.806,231	1.040,35	273°25'01"	214°39'21"	47,357	1,223
1547	PLS	8.244.423,768	180.800,913	1.041,26	264°33'13"	205°47'33"	52,830	2,133
1548	PLS	8.244.413,511	180.800,205	1.041,33	254°00'44"	195°15'04"	55,444	2,205
1549	PLS	8.244.406,329	180.784,182	1.041,72	252°03'10"	193°17'30"	72,868	2,588
1550	MF-E83	8.244.396,076	180.757,459	1.042,32	251°11'41"	192°26'01"	101,461	3,191
1551	MF-E82	8.244.404,666	180.775,613	1.042,03	252°47'47"	194°02'07"	81,539	2,901
1552	MF-E82	8.244.412,124	180.793,992	1.041,45	254°21'45"	195°36'05"	61,799	2,323
1553	MF-E80	8.244.418,866	180.812,880	1.040,89	256°16'57"	197°31'17"	41,816	1,765
1554	MF-E79	8.244.425,328	180.831,749	1.040,23	260°58'39"	202°12'59"	22,027	1,101
1555	MF	8.244.425,734	180.833,223	1.040,15	261°27'08"	202°41'28"	20,508	1,016
1556	MF	8.244.425,645	180.837,140	1.039,93	259°08'44"	200°23'04"	16,662	0,798
1557	MF	8.244.424,272	180.839,526	1.039,80	252°07'00"	193°21'20"	14,687	0,674
1558	MU	8.244.410,175	180.800,884	1.041,19	250°31'32"	191°45'52"	55,813	2,059
1559	MU	8.244.397,309	180.813,786	1.041,23	231°36'22"	172°50'42"	50,676	2,098
1560	MU	8.244.383,756	180.827,698	1.041,07	209°49'05"	151°03'25"	51,897	1,936
1561	COQ	8.244.379,042	180.835,105	1.041,18	200°17'57"	141°32'17"	53,034	2,047
1562	COQ	8.244.383,906	180.830,340	1.041,05	207°18'06"	148°32'26"	50,502	1,920
1563	COQ	8.244.386,957	180.827,391	1.040,99	211°58'43"	153°13'03"	49,307	1,863
1564	COQ	8.244.390,486	180.823,853	1.040,99	217°44'56"	158°59'16"	48,434	1,858
1565	COQ	8.244.393,684	180.820,655	1.041,05	223°06'14"	164°20'34"	48,071	1,925
1566	COQ	8.244.399,741	180.814,223	1.041,15	233°31'25"	174°45'45"	48,851	2,019
1567	COQ	8.244.402,859	180.811,023	1.041,14	238°36'23"	179°50'43"	49,766	2,006
1568	COQ	8.244.405,561	180.808,214	1.041,14	242°51'18"	184°05'38"	50,895	2,007
1569	COQ	8.244.408,633	180.804,956	1.041,08	247°27'34"	188°41'54"	52,564	1,954

Nome	Descrição	Norte	Este	Cota
M6		8.244.377,553	180.713,638	1.044,03

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1570	E92	8.244.262,461	180.651,158	1.050,73	208°29'47"	142°14'25"	130,957	6,707
1571	E91	8.244.282,215	180.652,908	1.049,67	212°29'49"	146°14'27"	113,037	5,640
1572	E90	8.244.301,529	180.658,272	1.048,47	216°03'54"	149°48'32"	94,047	4,444
1573	E89	8.244.319,416	180.666,901	1.047,38	218°47'46"	152°32'24"	74,594	3,349
1574	E88	8.244.335,485	180.678,764	1.046,38	219°39'30"	153°24'08"	54,643	2,352
1575	E87	8.244.349,674	180.692,758	1.045,40	216°49'52"	150°34'30"	34,831	1,370
1576	E86	8.244.362,759	180.707,880	1.044,36	201°15'54"	135°00'32"	15,874	0,337
1577	E85	8.244.374,982	180.723,657	1.043,48	104°23'32"	38°08'10"	10,344	-0,549
1578	E84	8.244.386,117	180.740,203	1.042,79	72°07'54"	5°52'32"	27,911	-1,236
1579	BAS	8.244.421,478	180.797,533	1.041,45	62°21'52"	356°06'30"	94,699	-2,581
1580	BAS	8.244.411,060	180.771,699	1.042,10	60°00'39"	353°45'17"	67,036	-1,922
1581	BAS	8.244.401,734	180.753,137	1.042,58	58°31'30"	352°16'08"	46,313	-1,448
1582	BAS	8.244.389,465	180.732,260	1.043,17	57°23'35"	351°08'13"	22,106	-0,859
1583	BAS	8.244.377,689	180.715,511	1.043,96	85°49'39"	19°34'17"	1,878	-0,068

Nome	Descrição	Norte	Este	Cota
M6		8.244.377,553	180.713,638	1.044,03

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1584	BAS	8.244.363,829	180.698,156	1.044,98	228°26'39"	162°11'17"	20,688	0,953
1585	BAS	8.244.347,160	180.680,406	1.046,18	227°33'18"	161°17'56"	45,034	2,149
1586	BAS	8.244.333,620	180.668,242	1.047,10	225°56'19"	159°40'57"	63,173	3,070
1587	BAS	8.244.317,170	180.657,665	1.048,02	222°49'46"	156°34'24"	82,334	3,993
1588	BAS	8.244.298,361	180.649,918	1.049,06	218°49'16"	152°33'54"	101,644	5,032
1589	BAS	8.244.277,538	180.645,381	1.050,25	214°18'44"	148°03'22"	121,086	6,220
1590	BAS	8.244.257,056	180.644,573	1.051,21	209°49'12"	143°33'50"	138,887	7,186
1591	MF	8.244.259,871	180.652,223	1.050,80	207°33'31"	141°18'09"	132,743	6,777
1592	MF	8.244.278,657	180.653,320	1.049,82	211°22'46"	145°07'24"	115,839	5,789
1593	MF	8.244.300,335	180.658,799	1.048,45	215°22'55"	149°07'33"	94,709	4,421
1594	MF	8.244.319,279	180.667,876	1.047,27	218°08'31"	151°53'09"	74,095	3,247
1595	MF	8.244.334,251	180.678,806	1.046,40	218°48'46"	152°33'24"	55,573	2,373
1596	MF	8.244.348,290	180.692,337	1.045,40	216°03'02"	149°47'40"	36,194	1,370
1597	MF	8.244.361,748	180.707,744	1.044,33	200°27'01"	134°11'39"	16,868	0,307
1598	MF	8.244.373,658	180.723,126	1.043,49	112°19'04"	46°03'42"	10,256	-0,539
1599	MF	8.244.384,496	180.738,956	1.042,77	74°39'52"	8°24'30"	26,253	-1,252
1600	MU	8.244.400,069	180.790,797	1.041,60	73°43'55"	7°28'33"	80,378	-2,422
1601	MU	8.244.386,572	180.777,453	1.042,35	81°57'20"	15°41'58"	64,450	-1,678
1602	MU	8.244.373,925	180.764,940	1.043,20	94°02'41"	27°47'19"	51,431	-0,828
1603	MU	8.244.360,958	180.752,224	1.044,06	113°16'17"	47°00'55"	42,003	0,033
1604	MU	8.244.347,937	180.739,458	1.045,06	138°55'00"	72°39'38"	39,291	1,036
1605	MU	8.244.335,062	180.726,854	1.046,25	162°43'20"	96°27'58"	44,499	2,221
1606	MU	8.244.321,135	180.713,157	1.047,13	180°29'19"	114°13'57"	56,419	3,106
1607	MU	8.244.307,252	180.699,567	1.047,75	191°19'07"	125°03'45"	71,695	3,720
1608	MU	8.244.293,727	180.686,218	1.048,13	198°06'47"	131°51'25"	88,196	4,105
1609	MU	8.244.280,435	180.673,150	1.048,55	202°37'51"	136°22'29"	105,219	4,521
1610	MU-GRA	8.244.267,737	180.660,590	1.049,24	205°47'01"	139°31'39"	121,957	5,211
1611	GRA	8.244.263,075	180.656,205	1.050,44	206°38'33"	140°23'11"	128,077	6,418
1612	PC	8.244.407,689	180.785,617	1.041,78	67°16'56"	1°01'34"	78,033	-2,248
1613	PC	8.244.388,899	180.748,394	1.042,76	71°55'14"	5°39'52"	36,561	-1,267
1614	PC	8.244.302,260	180.660,871	1.048,15	215°01'26"	148°46'04"	91,942	4,122
1615	PC	8.244.365,413	180.713,615	1.044,00	180°06'17"	113°50'55"	12,139	-0,025
1616	PC	8.244.336,994	180.682,966	1.046,04	217°05'54"	150°50'32"	50,850	2,016
1617	LU	8.244.359,341	180.684,747	1.045,25	237°46'28"	171°31'06"	34,152	1,224
1618	LU	8.244.384,857	180.715,733	1.042,49	16°00'31"	309°45'09"	7,599	-1,536
1619	LU	8.244.331,263	180.659,499	1.046,23	229°28'08"	163°12'46"	71,231	2,200
1620	LU	8.244.405,393	180.747,546	1.041,68	50°36'44"	344°21'22"	43,874	-2,352
1621	LU	8.244.294,988	180.643,202	1.047,90	220°28'03"	154°12'41"	108,528	3,873
1622	LU	8.244.419,510	180.782,265	1.041,88	58°33'33"	352°18'11"	80,437	-2,143
1623	CE	8.244.277,541	180.604,763	1.052,25	227°25'46"	161°10'24"	147,838	8,222
1624	CE	8.244.291,155	180.616,308	1.049,29	228°24'18"	162°08'56"	130,145	5,263
1625	CE	8.244.299,695	180.623,465	1.047,53	229°11'30"	162°56'08"	119,134	3,503
1626	CE	8.244.304,615	180.627,458	1.047,34	229°45'26"	163°30'04"	112,902	3,315
1627	CE	8.244.318,056	180.638,940	1.046,57	231°27'47"	165°12'25"	95,496	2,539
1628	CE	8.244.335,495	180.653,271	1.046,06	235°08'07"	168°52'45"	73,573	2,029
1629	CE	8.244.350,444	180.665,620	1.045,56	240°33'11"	174°17'49"	55,141	1,538
1630	CE	8.244.365,372	180.678,173	1.045,10	251°02'38"	184°47'16"	37,498	1,076
1631	CE	8.244.378,741	180.691,612	1.043,81	273°05'18"	206°49'56"	22,057	-0,213

Nome	Descrição	Norte	Este	Cota
M6		8.244.377,553	180.713,638	1.044,03

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1632	CE	8.244.392,726	180.705,653	1.042,47	332°14'49"	265°59'27"	17,146	-1,554
1633	CE-POR	8.244.399,372	180.712,325	1.042,18	356°33'22"	290°18'00"	21,859	-1,846
1634	CE-POR	8.244.403,688	180.716,644	1.042,06	6°33'40"	300°18'18"	26,307	-1,968
1635	CE	8.244.415,609	180.727,946	1.041,53	20°36'18"	314°20'56"	40,657	-2,494
1636	CE	8.244.426,947	180.737,099	1.041,50	25°24'24"	319°09'02"	54,683	-2,529
1637	CE	8.244.453,022	180.755,619	1.040,81	29°05'10"	322°49'48"	86,360	-3,214
1638	CE	8.244.468,117	180.772,942	1.039,86	33°13'05"	326°57'44"	108,254	-4,171
1639	AV	8.244.461,082	180.769,098	1.040,30	33°34'58"	327°19'36"	100,265	-3,730
1640	AV	8.244.448,865	180.773,032	1.040,65	39°47'25"	333°32'03"	92,807	-3,380
1641	ED	8.244.442,736	180.780,334	1.040,74	45°39'26"	339°24'04"	93,259	-3,288
1642	ED	8.244.438,988	180.786,655	1.040,57	49°55'25"	343°40'03"	95,424	-3,461
1643	ED	8.244.439,978	180.787,877	1.040,58	49°56'27"	343°41'05"	96,996	-3,443
1644	ED	8.244.435,427	180.795,371	1.040,71	54°41'54"	348°26'32"	100,149	-3,320
1645	ED	8.244.436,690	180.796,008	1.040,64	54°19'26"	348°04'04"	101,401	-3,382
1646	AV	8.244.427,203	180.803,161	1.040,68	60°59'13"	354°43'51"	102,370	-3,346
1647	AV	8.244.429,101	180.797,265	1.040,67	58°21'01"	352°05'39"	98,238	-3,354
1648	PLP	8.244.433,309	180.794,503	1.040,62	55°24'50"	349°09'28"	98,224	-3,405
1649	PLP	8.244.438,560	180.784,536	1.040,68	49°17'19"	343°01'57"	93,533	-3,349
1650	PLP	8.244.443,718	180.775,275	1.040,73	42°58'15"	336°42'53"	90,427	-3,297
1651	PE	8.244.415,666	180.772,570	1.041,60	57°06'28"	350°51'06"	70,183	-2,430
1652	PE	8.244.406,635	180.752,754	1.041,52	53°22'12"	347°06'50"	48,743	-2,506
1653	PE	8.244.398,292	180.737,452	1.041,94	48°56'52"	342°41'30"	31,579	-2,088
1654	PE	8.244.388,209	180.722,730	1.042,29	40°28'19"	334°12'57"	14,009	-1,734
1655	PE	8.244.377,453	180.709,069	1.043,20	268°44'59"	202°29'37"	4,570	-0,830
1656	PE	8.244.369,271	180.699,607	1.044,05	239°26'55"	173°11'33"	16,292	0,019
1657	CR	8.244.413,744	180.772,825	1.041,98	58°33'20"	352°17'58"	69,375	-2,045
1658	CR	8.244.404,210	180.754,471	1.042,52	56°51'44"	350°36'22"	48,764	-1,511
1659	CR	8.244.395,329	180.739,119	1.042,87	55°05'59"	348°50'37"	31,069	-1,152
1660	CR	8.244.385,826	180.724,319	1.043,46	52°14'30"	345°59'08"	13,510	-0,566
1661	CR	8.244.375,745	180.710,510	1.044,18	239°58'52"	173°43'30"	3,613	0,155
1662	CR	8.244.368,063	180.701,237	1.044,70	232°34'26"	166°19'04"	15,615	0,670
1663	PE	8.244.347,878	180.673,877	1.045,67	233°15'55"	167°00'33"	49,614	1,640
1664	PE	8.244.334,379	180.661,889	1.046,12	230°09'44"	163°54'22"	67,394	2,094
1665	PE	8.244.317,464	180.651,887	1.046,64	225°46'54"	159°31'32"	86,161	2,611
1666	PE	8.244.303,503	180.646,082	1.047,58	222°22'27"	156°07'05"	100,236	3,552
1667	PE	8.244.287,022	180.641,568	1.048,44	218°31'21"	152°15'59"	115,715	4,408
1668	PE	8.244.280,194	180.638,169	1.049,20	217°46'54"	151°31'32"	123,184	5,174
1669	CR	8.244.345,669	180.675,160	1.046,25	230°21'15"	164°05'53"	49,971	2,224
1670	CR	8.244.331,620	180.664,869	1.047,29	226°42'55"	160°27'33"	66,994	3,260
1671	CR	8.244.315,580	180.655,468	1.048,18	223°11'14"	156°55'52"	84,996	4,154
1672	CR	8.244.301,776	180.649,525	1.048,92	220°14'01"	153°58'39"	99,260	4,892
1673	CR	8.244.285,914	180.644,937	1.049,79	216°51'31"	150°36'09"	114,532	5,759
1674	CR	8.244.277,794	180.642,797	1.050,23	215°22'46"	149°07'24"	122,353	6,200
1675	AV	8.244.276,502	180.618,194	1.050,98	223°21'56"	157°06'34"	139,000	6,957
1676	PC	8.244.261,178	180.653,881	1.050,89	207°10'47"	140°55'25"	130,820	6,863
1677	C	8.244.280,361	180.619,194	1.050,44	224°10'42"	157°55'20"	135,520	6,409
1678	C	8.244.295,215	180.630,629	1.047,87	225°13'57"	158°58'35"	116,918	3,845
1679	C	8.244.278,760	180.656,775	1.049,58	209°55'26"	143°40'04"	113,988	5,556

Nome	Descrição	Norte	Este	Cota
M6		8.244.377,553	180.713,638	1.044,03

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1680	C	8.244.278,122	180.660,649	1.048,60	208°03'15"	141°47'53"	112,668	4,573
1681	C	8.244.305,874	180.638,113	1.047,02	226°29'48"	160°14'26"	104,123	2,989
1682	C	8.244.292,134	180.673,745	1.048,15	205°02'02"	138°46'40"	94,275	4,121
1683	C	8.244.317,699	180.645,515	1.046,52	228°41'49"	162°26'27"	90,682	2,494
1684	C	8.244.302,220	180.668,950	1.048,11	210°40'36"	144°25'14"	87,590	4,086
1685	C	8.244.317,145	180.679,777	1.047,31	209°16'20"	143°00'58"	69,250	3,280
1686	C	8.244.310,685	180.688,057	1.047,72	200°56'04"	134°40'42"	71,594	3,694
1687	C	8.244.329,031	180.692,288	1.046,86	203°45'00"	137°29'38"	53,011	2,831
1688	C	8.244.321,093	180.699,248	1.047,29	194°17'55"	128°02'33"	58,265	3,265
1689	C	8.244.344,323	180.706,851	1.045,97	191°32'36"	125°17'14"	33,916	1,939
1690	C	8.244.334,042	180.711,898	1.046,61	182°17'21"	116°01'59"	43,545	2,579
1691	C	8.244.357,846	180.722,457	1.044,90	155°53'23"	89°38'01"	21,590	0,876
1692	C	8.244.346,720	180.726,980	1.045,71	156°36'00"	90°20'38"	33,595	1,685
1693	C	8.244.369,025	180.735,165	1.043,89	111°36'40"	45°21'18"	23,155	-0,140
1694	C	8.244.357,670	180.737,755	1.044,65	129°30'08"	63°14'46"	31,257	0,619
1695	C	8.244.368,062	180.747,931	1.043,87	105°28'10"	39°12'48"	35,583	-0,153
1696	C	8.244.386,400	180.753,847	1.042,72	77°35'29"	11°20'07"	41,171	-1,303
1697	C	8.244.378,897	180.758,731	1.043,10	88°17'31"	22°02'09"	45,113	-0,922
1698	C	8.244.388,578	180.768,142	1.042,51	78°33'53"	12°18'31"	55,609	-1,515

Nome	Descrição	Norte	Este	Cota
M7		8.244.237,283	180.637,265	1.052,31

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1699	PC	8.244.245,755	180.635,090	1.052,19	345°36'13"	317°02'11"	8,747	-0,120
1700	PCT	8.244.227,968	180.614,999	1.052,94	247°17'52"	218°43'50"	24,136	0,624
1701	PC	8.244.266,483	180.613,628	1.052,22	321°00'38"	292°26'36"	37,568	-0,087
1702	LU	8.244.224,804	180.632,135	1.052,66	202°20'45"	173°46'43"	13,492	0,352
1703	LU	8.244.273,031	180.606,724	1.052,40	319°29'28"	290°55'26"	47,018	0,084
1704	LU	8.244.254,113	180.639,025	1.051,66	5°58'12"	337°24'10"	16,922	-0,652
1705	LU	8.244.259,676	180.596,174	1.052,70	298°35'20"	270°01'18"	46,797	0,386
1706	LU	8.244.203,197	180.654,125	1.052,64	153°40'55"	125°06'53"	38,027	0,331
1707	LU	8.244.172,062	180.679,000	1.052,94	147°23'05"	118°49'03"	77,431	0,627
1708	LU	8.244.205,789	180.612,299	1.053,38	218°24'20"	189°50'18"	40,189	1,069
1709	LU	8.244.147,186	180.704,437	1.053,05	143°17'36"	114°43'34"	112,381	0,743
1710	TP	8.244.208,346	180.610,943	1.053,31	222°17'25"	193°43'23"	39,117	0,994
1711	AV	8.244.145,050	180.703,236	1.053,17	144°25'31"	115°51'29"	113,398	0,863
1712	AV	8.244.142,520	180.701,380	1.053,18	145°55'07"	117°21'05"	114,414	0,869
1713	AV	8.244.139,858	180.699,141	1.053,16	147°34'48"	119°00'46"	115,413	0,852
1714	AV	8.244.137,596	180.697,179	1.053,19	148°59'36"	120°25'34"	116,306	0,874
1715	AV	8.244.135,355	180.695,443	1.053,22	150°16'59"	121°42'58"	117,363	0,910
1716	AV	8.244.133,441	180.697,071	1.053,30	150°03'39"	121°29'38"	119,832	0,984
1717	AV	8.244.132,496	180.698,369	1.053,42	149°45'08"	121°11'07"	121,301	1,110
1718	AV	8.244.130,636	180.699,832	1.053,30	149°36'03"	121°02'02"	123,645	0,990
1719	AV	8.244.143,760	180.677,865	1.053,27	156°32'01"	127°57'59"	101,955	0,956
1720	ED	8.244.244,433	180.551,026	1.054,65	274°44'22"	246°10'20"	86,535	2,335
1721	ED	8.244.247,414	180.553,834	1.053,34	276°55'25"	248°21'23"	84,043	1,025
1722	ED	8.244.231,649	180.564,102	1.054,63	265°35'49"	237°01'47"	73,379	2,318

Nome	Descrição	Norte	Este	Cota
M7		8.244.237,283	180.637,265	1.052,31

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1723	ED	8.244.234,471	180.567,127	1.053,35	267°42'16"	239°08'14"	70,194	1,040
1724	AV	8.244.246,119	180.571,450	1.053,14	277°38'49"	249°04'47"	66,405	0,831
1725	ED	8.244.215,699	180.580,693	1.054,66	249°07'00"	220°32'58"	60,549	2,353
1726	ED	8.244.217,363	180.584,920	1.053,31	249°09'55"	220°35'53"	56,007	1,000
1727	ED	8.244.222,823	180.590,471	1.053,26	252°49'42"	224°15'40"	48,977	0,949
1728	AV	8.244.216,379	180.599,909	1.053,46	240°46'08"	212°12'06"	42,807	1,152
1729	ED	8.244.211,283	180.602,675	1.053,36	233°04'11"	204°30'09"	43,272	1,046
1730	ED	8.244.198,744	180.615,444	1.053,38	209°31'09"	180°57'07"	44,288	1,069
1731	ED	8.244.184,470	180.629,983	1.053,38	187°51'02"	159°17'00"	53,312	1,064
1732	ED	8.244.177,004	180.626,127	1.053,43	190°28'08"	161°54'06"	61,300	1,115
1733	ED	8.244.171,626	180.625,867	1.054,63	189°50'53"	161°16'51"	66,638	2,317
1734	ED	8.244.163,972	180.639,432	1.053,40	178°18'24"	149°44'22"	73,343	1,088
1735	ED	8.244.160,965	180.636,773	1.054,60	180°22'09"	151°48'07"	76,319	2,293
1736	ED	8.244.149,321	180.654,564	1.053,37	168°52'27"	140°18'25"	89,646	1,054
1737	ED	8.244.146,306	180.651,916	1.054,59	170°51'07"	142°17'05"	92,149	2,279
1738	ED	8.244.138,715	180.665,451	1.053,40	164°02'31"	135°28'29"	102,518	1,092
1739	ED	8.244.135,805	180.662,809	1.054,60	165°52'16"	137°18'15"	104,644	2,291
1740	C	8.244.144,392	180.674,557	1.053,23	158°07'36"	129°33'34"	100,097	0,914
1741	C	8.244.158,196	180.661,847	1.053,23	162°44'01"	134°09'59"	82,820	0,919
1742	C	8.244.153,483	180.687,297	1.053,04	149°09'40"	120°35'38"	97,599	0,727
1743	C	8.244.173,386	180.648,483	1.053,16	170°02'32"	141°28'30"	64,874	0,852
1744	C	8.244.169,649	180.672,510	1.052,97	152°28'31"	123°54'29"	76,266	0,660
1745	C	8.244.184,900	180.638,802	1.053,23	178°19'11"	149°45'09"	52,405	0,914
1746	BAS	8.244.170,321	180.689,011	1.052,86	142°18'16"	113°44'14"	84,626	0,553
1747	BAS	8.244.180,893	180.678,246	1.052,85	143°59'33"	115°25'31"	69,708	0,535
1748	BAS	8.244.177,041	180.667,742	1.053,01	153°09'53"	124°35'51"	67,513	0,699
1749	BAS	8.244.183,721	180.669,245	1.052,87	149°09'35"	120°35'33"	62,382	0,560
1750	BAS	8.244.183,016	180.649,165	1.053,08	167°37'52"	139°03'50"	55,557	0,766
1751	BAS	8.244.189,765	180.650,333	1.052,95	164°37'22"	136°03'20"	49,282	0,636
1752	BAS	8.244.188,364	180.633,895	1.053,29	183°56'27"	155°22'25"	49,035	0,982
1753	BAS	8.244.192,810	180.641,594	1.052,96	174°26'25"	145°52'23"	44,683	0,653
1754	BAS	8.244.202,065	180.619,132	1.053,32	207°14'37"	178°40'35"	39,612	1,013
1755	BAS	8.244.194,938	180.637,085	1.053,00	180°14'39"	151°40'37"	42,345	0,689
1756	BAS	8.244.198,684	180.632,602	1.053,09	186°53'20"	158°19'18"	38,880	0,776
1757	BAS	8.244.211,607	180.609,296	1.053,27	227°26'50"	198°52'48"	37,967	0,962
1758	BAS	8.244.216,627	180.614,431	1.053,09	227°51'57"	199°17'55"	30,790	0,777
1759	BAS	8.244.226,099	180.594,562	1.053,23	255°19'25"	226°45'23"	44,144	0,922
1760	BAS	8.244.231,320	180.599,076	1.052,97	261°07'30"	232°33'28"	38,652	0,662
1761	BAS	8.244.233,529	180.587,861	1.053,23	265°39'19"	237°05'17"	49,546	0,918
1762	BAS	8.244.250,817	180.583,620	1.053,01	284°09'35"	255°35'33"	55,325	0,698
1763	BAS	8.244.278,523	180.577,199	1.052,83	304°28'22"	275°54'20"	72,861	0,521
1764	BAS	8.244.237,032	180.594,786	1.052,99	269°39'41"	241°05'39"	42,480	0,677
1765	BAS	8.244.249,080	180.591,274	1.052,90	284°23'12"	255°49'10"	47,480	0,588
1766	BAS	8.244.266,959	180.588,595	1.052,76	301°22'22"	272°48'20"	57,004	0,447
1767	BAS	8.244.283,644	180.585,139	1.052,66	311°39'01"	283°04'59"	69,760	0,348
1768	BAS	8.244.272,265	180.596,904	1.052,58	310°54'59"	282°20'57"	53,411	0,271
1769	BAS	8.244.253,234	180.603,372	1.052,67	295°12'10"	266°38'08"	37,459	0,359
1770	BAS	8.244.260,113	180.609,189	1.052,51	309°07'00"	280°32'58"	36,187	0,198

Nome	Descrição	Norte	Este	Cota
M7		8.244.237,283	180.637,265	1.052,31

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1771	BAS	8.244.239,933	180.616,896	1.052,65	277°24'51"	248°50'49"	20,540	0,343
1772	BAS	8.244.244,985	180.624,416	1.052,47	300°56'18"	272°22'16"	14,980	0,158
1773	BAS	8.244.226,865	180.630,482	1.052,67	213°04'02"	184°30'00"	12,432	0,364
1774	BAS	8.244.233,445	180.636,427	1.052,47	192°18'49"	163°44'47"	3,929	0,160
1775	BAS	8.244.213,432	180.644,782	1.052,61	162°30'22"	133°56'20"	25,007	0,299
1776	BAS	8.244.216,883	180.653,912	1.052,46	140°47'01"	112°12'59"	26,330	0,145
1777	BAS-E93	8.244.242,599	180.653,432	1.051,59	71°47'55"	43°13'53"	17,019	-0,726
1778	BAS-E94	8.244.223,369	180.658,963	1.052,20	122°40'12"	94°06'10"	25,776	-0,113
1779	BAS-E95	8.244.205,596	180.667,828	1.052,48	136°02'01"	107°27'59"	44,025	0,167
1780	BAS-E96	8.244.189,658	180.679,809	1.052,67	138°13'32"	109°39'30"	63,860	0,354
1781	BAS-E96	8.244.175,475	180.693,987	1.052,78	137°27'25"	108°53'23"	83,890	0,465
1782	BAS-E97	8.244.161,269	180.708,045	1.052,90	137°02'32"	108°28'30"	103,865	0,592
1783	BAS-E98	8.244.147,387	180.722,595	1.052,98	136°29'34"	107°55'32"	123,945	0,671
1784	BAS-E99	8.244.133,213	180.736,649	1.053,04	136°19'10"	107°45'09"	143,902	0,726
1785	BAS-E100	8.244.119,421	180.751,153	1.053,00	135°58'56"	107°24'55"	163,896	0,692
1786	BAS-E101	8.244.105,258	180.765,280	1.053,02	135°53'00"	107°18'59"	183,898	0,709
1787	BAS-E102	8.244.091,390	180.779,682	1.053,02	135°41'26"	107°07'25"	203,881	0,710
1788	BAS-E103	8.244.077,318	180.793,787	1.053,05	135°37'23"	107°03'22"	223,803	0,740
1789	BAS-E104	8.244.063,398	180.808,217	1.052,97	135°29'14"	106°55'13"	243,845	0,660
1790	BAS-E105	8.244.049,336	180.822,368	1.052,90	135°26'12"	106°52'11"	263,794	0,585
1791	BAS-E106	8.244.035,477	180.836,845	1.052,72	135°19'03"	106°45'02"	283,827	0,412
1792	BAS-E107	8.244.021,278	180.851,015	1.052,38	135°18'02"	106°44'01"	303,887	0,071
1793	BAS-E108	8.244.007,423	180.865,374	1.051,74	135°13'08"	106°39'07"	323,836	-0,571
1794	BAS-E109	8.243.993,319	180.879,524	1.051,23	135°12'03"	106°38'02"	343,814	-1,084
1795	BAS-E110	8.243.979,490	180.894,016	1.050,77	135°06'57"	106°32'56"	363,839	-1,542
1796	BAS-E111	8.243.965,322	180.908,054	1.050,42	135°07'25"	106°33'24"	383,783	-1,896
1797	BAS-E113	8.243.951,567	180.922,628	1.050,18	135°02'07"	106°28'06"	403,814	-2,132
1798	BAS	8.243.946,434	180.917,706	1.050,42	136°02'37"	107°28'36"	404,030	-1,891
1799	BAS	8.243.960,572	180.903,319	1.050,31	136°07'29"	107°33'28"	383,867	-2,004
1800	BAS	8.243.960,498	180.903,312	1.050,32	136°07'59"	107°33'58"	383,916	-1,991
1801	BAS	8.243.974,405	180.889,032	1.050,56	136°14'12"	107°40'11"	363,994	-1,749
1802	BAS	8.243.988,350	180.874,927	1.051,12	136°19'36"	107°45'35"	344,167	-1,195
1803	BAS	8.244.002,184	180.860,551	1.051,69	136°28'34"	107°54'33"	324,234	-0,619
1804	BAS	8.244.016,302	180.846,300	1.052,45	136°35'28"	108°01'27"	304,184	0,138
1805	BAS	8.244.030,123	180.831,995	1.052,71	136°46'17"	108°12'16"	284,314	0,398
1806	BAS	8.244.044,337	180.817,578	1.053,02	136°56'18"	108°22'17"	264,085	0,705
1807	BAS	8.244.058,274	180.803,436	1.053,08	137°07'47"	108°33'46"	244,248	0,767
1808	BAS	8.244.071,847	180.789,538	1.053,12	137°22'20"	108°48'19"	224,847	0,813
1809	BAS	8.244.086,616	180.774,510	1.053,13	137°40'08"	109°06'07"	203,806	0,817
1810	BAS	8.244.100,205	180.760,657	1.053,13	138°00'27"	109°26'26"	184,434	0,814
1811	BAS	8.244.114,067	180.746,490	1.053,13	138°26'40"	109°52'39"	164,658	0,822
1812	BAS	8.244.128,122	180.732,361	1.053,18	138°56'21"	110°22'20"	144,774	0,865
1813	BAS	8.244.142,221	180.717,624	1.053,12	139°47'29"	111°13'27"	124,476	0,811
1814	BAS	8.244.155,986	180.703,590	1.053,01	140°47'29"	112°13'27"	104,920	0,694
1815	BAS	8.244.170,241	180.689,153	1.052,88	142°15'41"	113°41'39"	84,776	0,567
1816	BAS	8.244.184,595	180.674,937	1.052,82	144°26'06"	115°52'04"	64,770	0,507
1817	BAS	8.244.201,567	180.662,050	1.052,67	145°14'30"	116°40'28"	43,473	0,362
1818	BAS	8.244.220,960	180.652,319	1.052,43	137°18'58"	108°44'56"	22,205	0,117

Nome	Descrição	Norte	Este	Cota
M7		8.244.237,283	180.637,265	1.052,31

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1819	BAS	8.244.240,574	180.646,687	1.051,91	70°44'46"	42°10'44"	9,980	-0,405
1820	MF	8.244.267,310	180.652,255	1.050,43	26°31'46"	357°57'44"	33,561	-1,883
1821	MF	8.244.251,333	180.653,106	1.051,18	48°25'43"	19°51'41"	21,174	-1,131
1822	MF	8.244.236,760	180.655,544	1.051,77	91°38'21"	63°04'19"	18,287	-0,542
1823	MF	8.244.224,441	180.659,499	1.052,13	120°00'37"	91°26'35"	25,677	-0,180
1824	MF	8.244.213,826	180.663,940	1.052,32	131°19'38"	102°45'36"	35,522	0,004
1825	MF	8.244.198,347	180.673,559	1.052,54	137°00'40"	108°26'38"	53,229	0,232
1826	MF	8.244.190,139	180.680,586	1.052,61	137°25'11"	108°51'09"	64,025	0,299
1827	MF	8.244.188,787	180.683,501	1.052,64	136°21'59"	107°47'57"	67,005	0,331
1828	MF	8.244.186,601	180.686,445	1.052,63	135°51'41"	107°17'39"	70,621	0,314
1829	MF	8.244.172,960	180.700,474	1.052,69	135°30'02"	106°56'00"	90,183	0,380
1830	MF	8.244.158,955	180.714,967	1.052,84	135°13'47"	106°39'45"	110,331	0,533
1831	MF	8.244.148,257	180.725,857	1.052,94	135°08'24"	106°34'22"	125,595	0,631
1832	MF	8.244.138,643	180.735,776	1.052,97	135°02'15"	106°28'13"	139,407	0,655
1833	PON	8.244.138,155	180.716,002	1.053,22	141°32'24"	112°58'22"	126,593	0,904
1834	PON	8.244.140,710	180.713,374	1.053,16	141°45'30"	113°11'28"	122,959	0,849
1835	PON	8.244.138,904	180.711,513	1.053,28	142°57'28"	114°23'26"	123,253	0,965
1836	QQ	8.244.139,404	180.710,817	1.053,28	143°04'36"	114°30'34"	122,434	0,964
1837	QQ	8.244.143,063	180.706,063	1.053,24	143°51'49"	115°17'47"	116,664	0,930
1838	QQ	8.244.132,602	180.698,500	1.053,44	149°40'25"	121°06'24"	121,275	1,127
1839	PC	8.244.260,699	180.653,774	1.050,88	35°11'06"	6°37'04"	28,651	-1,431
1840	PCT	8.244.145,742	180.739,452	1.051,98	131°51'16"	103°17'14"	137,193	-0,335
1841	PC	8.244.225,780	180.660,958	1.052,01	115°53'47"	87°19'45"	26,338	-0,302
1842	PLS	8.244.160,172	180.716,770	1.052,76	134°07'27"	105°33'25"	110,757	0,449
1843	PC	8.244.194,174	180.688,677	1.052,14	129°58'48"	101°24'46"	67,094	-0,173
1844	AV	8.244.205,465	180.683,130	1.051,63	124°45'00"	96°10'58"	55,821	-0,680
1845	AV	8.244.194,524	180.689,274	1.052,11	129°25'30"	100°51'28"	67,330	-0,202
1846	AV	8.244.188,741	180.694,466	1.052,08	130°19'06"	101°45'04"	75,022	-0,233
1847	AV	8.244.177,897	180.706,103	1.052,10	130°47'02"	102°13'00"	90,914	-0,213
1848	LU	8.244.119,267	180.733,041	1.053,17	140°56'20"	112°22'19"	151,990	0,859
1849	AV	8.244.134,824	180.712,413	1.053,41	143°44'30"	115°10'29"	127,063	1,102
1850	AV	8.244.132,389	180.710,501	1.053,51	145°04'39"	116°30'38"	127,931	1,197
1851	PLS	8.244.119,672	180.733,589	1.053,18	140°40'56"	112°06'55"	152,022	0,866
1852	LU	8.244.091,263	180.761,329	1.053,24	139°38'50"	111°04'49"	191,608	0,930
1853	PLP	8.244.085,831	180.758,826	1.053,21	141°14'53"	112°40'52"	194,203	0,899
1854	QQ	8.244.095,638	180.751,306	1.053,38	141°09'42"	112°35'41"	181,847	1,067
1855	QQ	8.244.099,652	180.746,587	1.053,27	141°32'21"	112°58'20"	175,766	0,955
1856	QQ	8.244.093,757	180.741,809	1.054,05	143°55'49"	115°21'48"	177,564	1,741
1857	PLS	8.244.101,570	180.774,360	1.052,97	134°42'35"	106°08'34"	192,907	0,654

Nome	Descrição	Norte	Este	Cota
M8		8.244.080,947	180.772,097	1.053,18

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
AUX11	A	8.244.049,024	180.836,375	1.052,05	116°24'40"	157°11'14"	71,769	-1,139
1858	QQ	8.244.132,857	180.705,993	1.053,22	308°08'28"	348°55'03"	84,049	0,031
1859	QQ	8.244.134,253	180.704,552	1.053,25	308°16'48"	349°03'23"	86,046	0,065
1860	QQ	8.244.130,134	180.701,213	1.053,23	304°45'23"	345°31'58"	86,278	0,043

Nome	Descrição	Norte	Este	Cota
M8		8.244.080,947	180.772,097	1.053,18

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1861	CV	8.244.126,709	180.704,153	1.053,32	303°57'39"	344°44'14"	81,918	0,133
1862	AV	8.244.129,571	180.708,434	1.053,20	307°22'16"	348°08'51"	80,108	0,015
1863	C	8.244.101,797	180.709,087	1.053,50	288°18'33"	329°05'08"	66,370	0,319
1864	C	8.244.097,649	180.718,869	1.053,16	287°25'14"	328°11'49"	55,787	-0,023
1865	C	8.244.086,484	180.730,732	1.053,31	277°37'25"	318°24'00"	41,734	0,122
1866	C	8.244.079,953	180.740,942	1.053,30	268°10'18"	308°56'53"	31,171	0,110
1867	C	8.244.105,390	180.742,388	1.053,28	309°26'45"	350°13'20"	38,472	0,099
1868	AV	8.244.074,605	180.748,985	1.052,45	254°39'12"	295°25'47"	23,967	-0,733
1869	AV	8.244.075,040	180.760,768	1.053,20	242°27'31"	283°14'06"	12,777	0,018
1870	AV	8.244.075,514	180.763,983	1.053,22	236°11'35"	276°58'10"	9,765	0,040
1871	AV	8.244.072,774	180.766,550	1.053,28	214°09'51"	254°56'26"	9,878	0,091
1872	AV	8.244.091,337	180.753,610	1.053,20	299°20'09"	340°06'44"	21,207	0,011
1873	AV	8.244.087,167	180.749,297	1.053,31	285°15'33"	326°02'08"	23,633	0,124
1874	PC	8.244.069,929	180.766,490	1.053,59	206°58'15"	247°44'50"	12,364	0,404
1875	ED	8.244.046,589	180.764,633	1.053,56	192°15'24"	233°01'59"	35,160	0,379
1876	ED	8.244.059,625	180.777,176	1.053,36	166°36'03"	207°22'38"	21,919	0,179
1877	ED-PRJ	8.244.048,859	180.788,150	1.054,97	153°25'22"	194°11'57"	35,880	1,785
1878	PRJ	8.244.052,695	180.792,081	1.053,26	144°43'33"	185°30'08"	34,606	0,075
1879	PRJ	8.244.029,782	180.816,159	1.053,06	139°15'57"	180°02'32"	67,523	-0,125
1880	ED-PRJ	8.244.025,197	180.812,434	1.054,92	144°06'46"	184°53'21"	68,813	1,735
1881	ED	8.244.023,162	180.814,486	1.054,92	143°44'15"	184°30'50"	71,666	1,731

Nome	Descrição	Norte	Este	Cota
AUX11		8.244.049,024	180.836,375	1.052,05

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1886	LU	8.244.063,371	180.790,220	1.053,18	287°16'03"	350°51'23"	48,334	1,134
1887	LU	8.244.035,161	180.818,917	1.053,00	231°32'54"	295°08'14"	22,292	0,950
1888	LU	8.244.007,176	180.847,422	1.051,95	165°12'45"	228°48'05"	43,282	-0,099
1889	PLP	8.243.998,147	180.850,348	1.051,53	164°38'33"	228°13'53"	52,761	-0,519
1890	LU	8.243.979,205	180.876,003	1.050,01	150°25'18"	214°00'38"	80,282	-2,036
1891	LU	8.243.951,051	180.904,916	1.049,50	145°01'25"	208°36'45"	119,568	-2,550
1892	PLS	8.243.941,747	180.918,750	1.050,09	142°28'49"	206°04'09"	135,256	-1,951
1893	LU	8.243.923,191	180.933,433	1.049,62	142°21'22"	205°56'42"	158,915	-2,427
1894	LU	8.243.892,270	180.965,288	1.049,86	140°33'59"	204°09'19"	202,955	-2,183
1895	PLP	8.243.887,908	180.963,319	1.049,60	141°45'55"	205°21'15"	205,117	-2,445
1896	LU	8.243.864,272	180.994,027	1.050,28	139°31'31"	203°06'51"	242,873	-1,770
1897	PON	8.244.073,015	180.806,125	1.053,00	308°25'03"	12°00'23"	38,609	0,953
1898	PON	8.244.070,231	180.809,034	1.052,96	307°47'56"	11°23'16"	34,602	0,912
1899	PON	8.244.071,947	180.810,803	1.052,98	311°52'23"	15°27'43"	34,342	0,937
1900	PC	8.243.870,056	181.022,180	1.049,56	133°55'34"	197°30'54"	257,979	-2,482
1901	PC	8.243.915,475	180.975,773	1.048,70	133°46'20"	197°21'40"	193,047	-3,344
1902	PC	8.243.960,161	180.930,086	1.049,46	133°28'44"	197°04'04"	129,146	-2,583
1903	PC	8.244.005,679	180.883,703	1.050,62	132°29'05"	196°04'25"	64,178	-1,422
1904	PC	8.244.050,240	180.837,969	1.051,86	52°40'11"	116°15'31"	2,004	-0,184
1905	PC	8.244.095,472	180.791,702	1.052,04	316°06'57"	19°42'18"	64,445	-0,003
1906	C	8.244.166,588	180.711,254	1.052,64	313°12'58"	16°48'19"	171,687	0,594
1907	C	8.244.168,730	180.713,637	1.052,16	314°17'00"	17°52'21"	171,447	0,112

Nome	Descrição	Norte	Este	Cota
AUX11		8.244.049,024	180.836,375	1.052,05

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1908	C	8.244.176,989	180.722,585	1.049,13	318°21'20"	21°56'41"	171,240	-2,917
1909	C	8.244.166,645	180.740,523	1.048,50	320°49'21"	24°24'42"	151,730	-3,547
1910	C	8.244.155,727	180.726,864	1.052,23	314°15'21"	17°50'42"	152,899	0,188
1911	C	8.244.158,155	180.729,993	1.051,27	315°43'51"	19°19'12"	152,403	-0,773
1912	C	8.244.151,474	180.752,670	1.048,30	320°45'00"	24°20'21"	132,297	-3,745
1913	C	8.244.140,169	180.739,784	1.052,59	313°20'18"	16°55'39"	132,805	0,541
1914	C	8.244.143,633	180.744,018	1.051,40	315°41'24"	19°16'45"	132,214	-0,648
1915	C	8.244.138,156	180.769,762	1.047,87	323°13'37"	26°48'58"	111,273	-4,173
1916	C	8.244.124,507	180.756,178	1.052,47	313°15'56"	16°51'17"	110,132	0,428
1917	C	8.244.124,261	180.782,905	1.047,64	324°35'57"	28°11'18"	92,302	-4,408
1918	C	8.244.113,339	180.770,318	1.052,19	314°14'04"	17°49'25"	92,195	0,140
1919	C	8.244.111,650	180.797,206	1.047,52	327°58'36"	31°33'57"	73,866	-4,522
1920	C	8.244.114,662	180.773,805	1.051,52	316°22'15"	19°57'36"	90,683	-0,523
1921	C	8.244.099,656	180.784,343	1.052,47	314°13'07"	17°48'28"	72,601	0,427
1922	C	8.244.101,969	180.787,254	1.051,66	317°08'45"	20°44'06"	72,222	-0,386
1923	C	8.244.098,292	180.810,480	1.047,64	332°16'24"	35°51'45"	55,659	-4,409
1924	C	8.244.085,674	180.798,294	1.052,55	313°54'11"	17°29'32"	52,853	0,508
1925	C	8.244.088,034	180.800,868	1.051,80	317°41'27"	21°16'48"	52,750	-0,247
1926	C	8.244.083,784	180.828,102	1.046,48	346°36'42"	50°12'03"	35,731	-5,562
1927	C	8.244.067,744	180.811,977	1.052,92	307°29'53"	11°05'13"	30,752	0,878
1928	C	8.244.072,512	180.817,869	1.051,56	321°45'57"	25°21'17"	29,902	-0,488
1929	C	8.244.069,130	180.841,255	1.046,73	13°38'32"	77°13'52"	20,689	-5,314
1930	C	8.244.054,031	180.826,724	1.052,73	297°25'17"	1°00'37"	10,873	0,683
1931	C	8.244.058,419	180.831,477	1.051,58	332°27'58"	36°03'18"	10,594	-0,466
1932	C	8.244.055,513	180.855,430	1.046,73	71°11'43"	134°47'03"	20,130	-5,316
1933	C	8.244.039,724	180.840,520	1.052,63	155°58'29"	219°33'49"	10,182	0,588
1934	C	8.244.045,025	180.845,464	1.051,40	113°45'02"	177°20'22"	9,930	-0,641
1935	C	8.244.043,299	180.870,959	1.046,43	99°23'56"	162°59'16"	35,054	-5,613
1936	C	8.244.026,515	180.854,515	1.052,26	141°08'06"	204°43'26"	28,909	0,218
1937	C	8.244.032,531	180.859,154	1.051,14	125°54'24"	189°29'44"	28,124	-0,904
1938	C	8.244.028,890	180.885,477	1.046,93	112°17'45"	175°53'05"	53,070	-5,118
1939	C	8.244.012,835	180.869,109	1.051,73	137°52'10"	201°27'30"	48,797	-0,317
1940	C	8.244.018,995	180.874,139	1.050,49	128°29'27"	192°04'47"	48,248	-1,555
1941	C	8.244.013,608	180.896,437	1.047,88	120°31'33"	184°06'53"	69,726	-4,163
1942	C	8.244.012,290	180.894,354	1.047,87	122°21'25"	185°56'45"	68,637	-4,180
1943	C	8.244.000,894	180.880,830	1.051,24	137°16'24"	200°51'44"	65,519	-0,805
1944	C	8.244.006,509	180.887,271	1.050,01	129°52'22"	193°27'42"	66,317	-2,037
1945	C	8.243.997,906	180.908,076	1.048,32	125°29'11"	189°04'31"	88,057	-3,723
1946	C	8.244.008,447	180.889,114	1.050,09	127°34'28"	191°09'48"	66,542	-1,957
1947	C	8.243.996,725	180.906,689	1.048,90	126°38'30"	190°13'50"	87,632	-3,145
1948	C	8.243.995,904	180.905,755	1.048,59	127°26'21"	191°01'41"	87,381	-3,458
1949	C	8.243.986,339	180.896,008	1.050,75	136°25'44"	200°01'04"	86,519	-1,295
1950	C	8.243.992,441	180.901,372	1.049,69	131°02'27"	194°37'47"	86,176	-2,359
1951	C	8.243.994,236	180.902,862	1.049,63	129°29'22"	193°04'42"	86,153	-2,412
1952	C	8.243.981,032	180.921,569	1.048,80	128°35'34"	192°10'54"	109,000	-3,250
1953	C	8.243.980,123	180.920,518	1.049,20	129°18'45"	192°54'05"	108,754	-2,845
1954	C	8.243.979,252	180.919,539	1.048,90	129°59'44"	193°35'04"	108,556	-3,143
1955	C	8.243.970,916	180.911,208	1.050,40	136°13'36"	199°48'56"	108,171	-1,651

Nome	Descrição	Norte	Este	Cota
AUX11		8.244.049,024	180.836,375	1.052,05

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
1956	C	8.243.977,954	180.918,261	1.049,50	130°57'19"	194°32'39"	108,426	-2,545
1957	C	8.243.976,752	180.916,688	1.049,41	131°59'00"	195°34'20"	108,044	-2,633
1958	C	8.243.969,979	180.928,900	1.049,25	130°30'27"	194°05'47"	121,692	-2,800
1959	C	8.243.961,331	180.920,355	1.050,23	136°14'20"	199°49'40"	121,419	-1,821
1960	C	8.243.969,271	180.928,113	1.048,98	131°00'09"	194°35'29"	121,558	-3,062
1961	C	8.243.968,657	180.927,442	1.049,37	131°25'43"	195°01'03"	121,458	-2,671
1962	C	8.243.967,095	180.925,265	1.049,36	132°39'59"	196°15'19"	120,888	-2,684
1963	AV	8.243.969,280	180.929,691	1.049,26	130°30'57"	194°06'17"	122,748	-2,788
1964	PLS	8.243.943,019	180.936,130	1.050,14	136°44'23"	200°19'43"	145,562	-1,906
1965	PLS	8.243.930,905	180.949,203	1.050,10	136°18'45"	199°54'05"	163,347	-1,946
1966	PLP	8.243.928,260	180.954,031	1.049,84	135°44'49"	199°20'09"	168,603	-2,208
1967	MU	8.243.972,093	180.963,127	1.046,84	121°15'19"	184°50'39"	148,272	-5,203
1968	MU	8.243.986,578	180.947,771	1.046,86	119°16'26"	182°51'46"	127,705	-5,183
1969	MU	8.243.999,575	180.934,514	1.046,44	116°44'30"	180°19'50"	109,893	-5,603
1970	MU	8.244.012,462	180.921,480	1.046,23	113°14'55"	176°50'15"	92,626	-5,814
1971	MU	8.244.026,822	180.907,158	1.045,93	107°24'53"	171°00'13"	74,183	-6,120
1972	MU	8.244.043,671	180.889,120	1.046,06	95°47'41"	159°23'01"	53,016	-5,985
1973	MU	8.244.057,625	180.875,426	1.045,86	77°34'44"	141°10'04"	39,987	-6,181
1974	MU	8.244.076,835	180.855,963	1.046,03	35°09'28"	98°44'48"	34,017	-6,019
1975	MU	8.244.092,201	180.840,097	1.046,63	4°55'36"	68°30'57"	43,337	-5,418
1976	MU	8.244.106,525	180.825,351	1.046,29	349°08'50"	52°44'11"	58,548	-5,756
1977	MU	8.244.128,378	180.802,525	1.046,86	336°53'53"	40°29'14"	86,272	-5,190
1978	MU	8.244.142,608	180.787,829	1.047,11	332°34'56"	36°10'17"	105,426	-4,934
1979	MU	8.244.156,617	180.773,059	1.047,63	329°31'27"	33°06'48"	124,841	-4,414
1980	MU	8.244.169,316	180.759,779	1.047,53	327°30'46"	31°06'07"	142,608	-4,512
1981	MU	8.244.187,935	180.740,442	1.048,01	325°22'14"	28°57'35"	168,817	-4,035
1982	CV-MU	8.244.194,974	180.733,028	1.048,05	324°41'52"	28°17'13"	178,835	-4,001
1983	CV	8.244.179,477	180.716,465	1.050,21	317°24'41"	21°00'02"	177,190	-1,839
1984	CV	8.244.194,693	180.699,950	1.050,21	316°52'36"	20°27'57"	199,578	-1,836
1985	CV	8.244.212,169	180.681,814	1.050,47	316°32'51"	20°08'12"	224,734	-1,572
1986	AV	8.244.179,630	180.730,954	1.048,54	321°05'26"	24°40'47"	167,844	-3,502
1987	AV	8.244.173,538	180.726,334	1.049,11	318°31'51"	22°07'12"	166,170	-2,938
1988	AV	8.244.161,708	180.738,090	1.049,11	318°54'16"	22°29'37"	149,525	-2,934
1989	AV	8.244.174,178	180.744,112	1.048,04	323°36'08"	27°11'29"	155,486	-4,005
1990	AV	8.244.163,539	180.751,513	1.048,01	323°27'34"	27°02'55"	142,531	-4,041
1991	AV	8.244.165,915	180.753,952	1.047,83	324°48'40"	28°24'01"	143,028	-4,216
1992	AV	8.244.167,561	180.756,557	1.047,57	326°02'43"	29°38'04"	142,905	-4,475
1993	AV	8.244.167,469	180.757,721	1.047,51	326°24'49"	30°00'10"	142,182	-4,539
1994	AV	8.244.129,423	180.776,412	1.047,98	323°17'01"	26°52'22"	100,298	-4,066
1995	AV	8.244.121,317	180.781,347	1.048,75	322°43'20"	26°18'41"	90,853	-3,297
1996	POR	8.244.098,210	180.833,842	1.046,04	357°03'09"	60°38'30"	49,251	-6,005
1997	POR	8.244.089,363	180.843,012	1.046,61	9°20'36"	72°55'57"	40,881	-5,439
1998	ETR	8.244.092,732	180.828,453	1.046,41	349°43'37"	53°18'58"	44,420	-5,639
1999	ETR	8.244.088,409	180.826,532	1.046,46	345°58'08"	49°33'29"	40,596	-5,588
2000	ETR	8.244.084,128	180.827,792	1.046,52	346°15'37"	49°50'58"	36,138	-5,522
2001	ETR	8.244.078,889	180.832,298	1.046,46	352°13'38"	55°48'58"	30,142	-5,582
2002	ETR	8.244.084,043	180.837,576	1.046,37	1°57'52"	65°33'13"	35,039	-5,675
2003	ETR	8.244.080,853	180.835,947	1.046,35	359°13'44"	62°49'05"	31,832	-5,701

Nome	Descrição	Norte	Este	Cota
AUX11		8.244.049,024	180.836,375	1.052,05

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
2004	ETR	8.244.077,672	180.838,388	1.046,48	4°01'12"	67°36'32"	28,719	-5,570
2005	ETR	8.244.065,775	180.844,549	1.046,80	26°00'35"	89°35'55"	18,639	-5,243
2006	ETR	8.244.068,374	180.846,986	1.046,79	28°44'23"	92°19'43"	22,068	-5,256
2007	ETR	8.244.052,588	180.859,208	1.046,61	81°07'42"	144°43'02"	23,110	-5,439
2008	ETR	8.244.055,044	180.862,681	1.046,52	77°06'38"	140°41'58"	26,986	-5,531
2009	ETR	8.244.040,687	180.874,115	1.046,56	102°27'28"	166°02'48"	38,650	-5,488
2010	ETR	8.244.043,364	180.876,895	1.046,42	97°57'08"	161°32'28"	40,913	-5,631
2011	ETR	8.244.033,519	180.882,837	1.046,74	108°27'15"	172°02'35"	48,981	-5,304
2012	ETR	8.244.035,448	180.885,821	1.046,58	105°21'12"	168°56'32"	51,276	-5,471
2013	ETR	8.244.019,902	180.892,608	1.047,58	117°22'42"	180°58'02"	63,327	-4,469
2014	ETR	8.244.022,586	180.895,361	1.047,46	114°08'34"	177°43'54"	64,640	-4,587
2015	POR	8.244.028,957	180.903,559	1.046,11	106°37'49"	170°13'09"	70,117	-5,937
2016	POR	8.244.027,062	180.907,028	1.045,95	107°16'03"	170°51'23"	73,987	-6,099
2017	ETR	8.244.018,228	180.898,326	1.047,57	116°25'56"	180°01'16"	69,184	-4,472
2018	ETR	8.244.001,407	180.905,367	1.048,30	124°36'46"	188°12'06"	83,829	-3,746
2019	ETR	8.244.003,243	180.908,423	1.048,16	122°25'58"	186°01'18"	85,363	-3,885
2020	ETR	8.243.987,217	180.916,910	1.048,67	127°30'17"	191°05'37"	101,518	-3,376
2021	ETR	8.243.989,263	180.919,495	1.048,54	125°42'54"	189°18'14"	102,374	-3,511
2022	ETR	8.243.972,710	180.929,514	1.049,00	129°19'47"	192°55'07"	120,411	-3,048
2023	ETR	8.243.974,821	180.932,314	1.048,92	127°43'11"	191°18'31"	121,286	-3,126
2024	ETR	8.243.962,262	180.938,704	1.049,02	130°17'38"	193°52'58"	134,160	-3,022
2025	ETR	8.243.963,910	180.941,275	1.049,04	129°03'19"	192°38'39"	135,087	-3,005
2026	ETR	8.243.949,027	180.946,916	1.049,13	132°07'59"	195°43'19"	149,059	-2,917
2027	ETR	8.243.950,429	180.949,671	1.049,19	131°01'52"	194°37'12"	150,190	-2,861
2028	ETR	8.243.935,002	180.953,808	1.049,36	134°09'20"	197°44'40"	163,681	-2,686
2029	ETR	8.243.936,400	180.956,887	1.049,33	133°03'44"	196°39'04"	164,946	-2,718
2030	ETR-BAS	8.243.916,952	180.960,871	1.050,15	136°41'29"	200°16'49"	181,500	-1,891
2031	ETR-BAS	8.243.910,909	180.968,671	1.050,05	136°13'58"	199°49'18"	191,254	-1,992
2032	AV	8.243.932,168	180.980,361	1.048,37	129°03'43"	192°39'03"	185,439	-3,680
2033	AV	8.243.944,719	180.970,437	1.047,39	127°53'03"	191°28'23"	169,860	-4,657
2034	AV	8.243.932,998	180.982,210	1.048,16	128°30'20"	192°05'40"	186,359	-3,889
2035	AV	8.243.966,707	180.952,284	1.047,84	125°22'55"	188°58'15"	142,166	-4,203
2036	AV	8.243.954,418	180.975,498	1.047,16	124°12'58"	187°48'18"	168,243	-4,883
2037	AV	8.243.969,749	180.930,718	1.048,96	130°02'23"	193°37'43"	123,228	-3,086
2038	AV	8.243.967,699	180.966,293	1.046,83	122°02'43"	185°38'03"	153,272	-5,216
2039	COQ	8.243.987,256	180.935,238	1.047,71	121°59'47"	185°35'07"	116,573	-4,337
2040	AV	8.244.017,092	180.905,266	1.047,38	114°52'07"	178°27'27"	75,932	-4,666
2041	AV	8.244.034,764	180.872,238	1.047,94	111°41'03"	175°16'23"	38,595	-4,104
2042	MU	8.243.901,356	180.919,432	1.052,94	150°38'39"	214°13'59"	169,423	0,897
2043	MU	8.243.911,549	180.910,798	1.052,83	151°34'15"	215°09'35"	156,327	0,780
2044	MU	8.243.918,492	180.910,059	1.052,85	150°33'20"	214°08'40"	149,893	0,802
2045	MU	8.243.933,377	180.895,271	1.052,71	153°00'41"	216°36'01"	129,781	0,667
2046	MU	8.243.949,194	180.879,520	1.052,80	156°37'35"	220°12'55"	108,754	0,756
2047	MU	8.243.963,940	180.864,904	1.052,61	161°27'48"	225°03'08"	89,739	0,565
2048	MU	8.243.979,865	180.848,888	1.052,93	169°44'40"	233°20'00"	70,282	0,886
2049	MU	8.243.996,636	180.832,224	1.052,69	184°31'48"	248°07'08"	52,552	0,644
2050	POR	8.244.008,309	180.820,569	1.052,93	201°12'59"	264°48'19"	43,675	0,889
2051	POR	8.244.017,676	180.811,305	1.053,48	218°38'58"	282°14'18"	40,140	1,432

Nome	Descrição	Norte	Este	Cota
AUX11		8.244.049,024	180.836,375	1.052,05

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
2052	CR	8.243.992,065	180.837,882	1.052,76	178°29'05"	242°04'25"	56,980	0,717
2053	PE	8.243.993,399	180.839,239	1.051,79	177°03'08"	240°38'28"	55,699	-0,261
2054	CR	8.243.980,311	180.849,546	1.052,86	169°08'56"	232°44'16"	69,965	0,813
2055	CR	8.243.967,441	180.863,112	1.052,80	161°51'16"	225°26'36"	85,853	0,758
2056	CR	8.243.954,606	180.875,852	1.052,47	157°18'34"	220°53'54"	102,339	0,428
2057	CR	8.243.942,665	180.889,582	1.052,33	153°25'22"	217°00'42"	118,925	0,286
2058	CR	8.243.928,100	180.903,515	1.052,58	150°57'35"	214°32'55"	138,313	0,537
2059	CR	8.243.915,448	180.911,908	1.053,00	150°30'47"	214°06'07"	153,453	0,949
2060	CR	8.243.906,778	180.916,088	1.054,02	150°44'03"	214°19'23"	163,059	1,971
2061	CR	8.243.902,076	180.920,923	1.053,06	150°05'08"	213°40'28"	169,536	1,012
2062	PE	8.243.908,431	180.928,029	1.049,88	146°53'57"	210°29'17"	167,830	-2,164
2063	PE	8.243.921,897	180.917,816	1.049,59	147°21'19"	210°56'39"	150,977	-2,460
2064	PE	8.243.933,683	180.904,568	1.049,91	149°24'26"	212°59'46"	133,992	-2,132
2065	PE	8.243.946,225	180.893,381	1.049,81	150°59'24"	214°34'44"	117,548	-2,234
2066	PE	8.243.958,196	180.880,202	1.049,96	154°14'28"	217°49'48"	100,849	-2,088
2067	PE	8.243.968,797	180.867,424	1.050,35	158°50'35"	222°25'55"	86,026	-1,698
2068	PE	8.243.980,771	180.855,968	1.050,75	163°58'58"	227°34'18"	71,010	-1,296
2069	PE	8.243.991,436	180.842,466	1.051,48	173°57'43"	237°33'03"	57,909	-0,567
2070	C	8.243.913,419	180.932,418	1.049,60	144°41'30"	208°16'50"	166,171	-2,448
2071	C	8.243.927,223	180.918,635	1.049,43	145°57'59"	209°33'19"	146,977	-2,616
2072	C	8.243.941,029	180.905,587	1.049,52	147°20'41"	210°56'01"	128,270	-2,531
2073	C	8.243.957,066	180.890,729	1.049,54	149°24'49"	213°00'09"	106,821	-2,510
2074	C	8.243.972,272	180.875,755	1.049,82	152°50'18"	216°25'38"	86,265	-2,223
2075	C	8.243.986,740	180.861,964	1.050,57	157°39'54"	221°15'14"	67,336	-1,476
2076	C	8.244.013,855	180.834,958	1.052,42	182°18'25"	245°53'45"	35,197	0,374

Nome	Descrição	Norte	Este	Cota
M9		8.243.829,033	181.053,547	1.051,06

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
AUX12	A	8.243.608,227	180.432,667	1.070,04	250°25'23"	298°35'33"	658,975	18,978
2077	AV	8.243.886,539	181.033,965	1.048,46	341°11'42"	29°21'52"	60,748	-2,604
2078	AV	8.243.898,557	181.026,654	1.048,11	338°51'09"	27°01'19"	74,545	-2,955
2079	AV	8.243.878,464	181.042,239	1.048,60	347°06'50"	35°17'00"	50,708	-2,457
2080	AV	8.243.907,205	181.024,852	1.048,13	339°50'35"	28°00'45"	83,272	-2,932
2081	AV	8.243.861,787	181.065,842	1.048,72	20°34'27"	68°44'37"	34,985	-2,338
2082	AV	8.243.911,616	181.004,945	1.048,20	329°31'20"	17°41'30"	95,823	-2,861
2083	AV	8.243.846,232	181.074,780	1.049,27	50°59'34"	99°09'44"	27,325	-1,792
2084	AV	8.243.845,407	181.078,980	1.049,11	57°13'37"	105°23'47"	30,248	-1,951
2085	AV	8.243.848,170	181.081,684	1.049,12	55°46'44"	103°56'54"	34,028	-1,936
2086	AV	8.243.839,041	181.079,505	1.049,25	68°54'59"	117°05'09"	27,820	-1,808
2087	AV	8.243.802,540	181.110,013	1.049,81	115°08'06"	163°18'16"	62,372	-1,250
2088	AV	8.243.802,273	181.099,567	1.049,95	120°10'39"	168°20'49"	53,235	-1,113
2089	AV	8.243.799,389	181.112,721	1.049,95	116°36'34"	164°46'44"	66,184	-1,115
2090	AV	8.243.796,669	181.110,525	1.049,99	119°35'50"	167°46'00"	65,528	-1,069
2091	AV	8.243.795,932	181.113,208	1.050,07	119°01'23"	167°11'33"	68,228	-0,986
2092	AV	8.243.787,889	181.102,723	1.050,80	129°55'07"	178°05'17"	64,117	-0,257
2093	AV	8.243.786,046	181.105,051	1.050,95	129°51'00"	178°01'10"	67,086	-0,106

Nome	Descrição	Norte	Este	Cota
M9		8.243.829,033	181.053,547	1.051,06

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
2094	AV	8.243.785,123	181.102,871	1.051,18	131°40'38"	179°50'48"	66,038	0,115
2095	AV	8.243.786,665	181.099,612	1.051,11	132°36'24"	180°46'34"	62,586	0,050
2096	AV	8.243.768,720	181.116,726	1.051,75	133°40'14"	181°50'24"	87,345	0,691
2097	AV	8.243.771,394	181.116,074	1.051,69	132°40'15"	180°50'25"	85,041	0,633
2098	AV	8.243.774,765	181.084,416	1.051,47	150°22'04"	198°32'14"	62,433	0,409
2099	AV	8.243.773,660	181.118,709	1.051,37	130°21'26"	178°31'36"	85,512	0,308
2100	AV	8.243.767,021	181.076,477	1.051,70	159°42'29"	207°52'39"	66,116	0,644
2101	AV	8.243.772,402	181.073,751	1.051,71	160°21'57"	208°32'07"	60,128	0,652
2102	AV	8.243.775,527	181.070,015	1.051,81	162°53'33"	211°03'43"	55,983	0,748
2103	AV	8.243.781,388	181.060,514	1.051,72	171°40'53"	219°51'03"	48,151	0,660
2104	AV	8.243.784,781	181.057,996	1.051,86	174°15'33"	222°25'43"	44,475	0,804
2105	AV	8.243.791,093	181.049,848	1.051,70	185°34'08"	233°44'18"	38,120	0,644
2106	AV	8.243.804,859	181.052,675	1.051,25	182°03'59"	230°14'09"	24,190	0,187
2107	AV	8.243.804,635	181.048,517	1.051,24	191°38'55"	239°49'05"	24,911	0,184
2108	LU	8.243.789,576	181.095,585	1.051,38	133°11'10"	181°21'20"	57,655	0,317
2109	BAS-E114	8.243.937,722	180.937,004	1.050,10	313°00'10"	1°10'20"	159,360	-0,957
2110	BAS-E115	8.243.923,762	180.951,361	1.050,08	312°49'52"	1°00'02"	139,339	-0,977
2111	BAS-E116	8.243.909,831	180.965,757	1.050,13	312°37'30"	0°47'40"	119,313	-0,931
2112	BAS-E117	8.243.897,493	180.981,482	1.050,18	313°31'49"	1°41'59"	99,399	-0,876
2113	BAS-E118	8.243.884,518	180.996,669	1.050,31	314°17'23"	2°27'33"	79,459	-0,747
2114	BAS-E119	8.243.870,479	181.011,026	1.050,49	314°15'59"	2°26'09"	59,378	-0,568
2115	BAS-E120	8.243.856,530	181.025,337	1.050,64	314°16'00"	2°26'10"	39,394	-0,416
2116	BAS-E121	8.243.842,666	181.039,620	1.050,78	314°23'18"	2°33'28"	19,488	-0,276
2117	BAS-E122	8.243.828,518	181.054,073	1.051,05	134°25'03"	182°35'13"	0,736	-0,008
2118	BAS-E123	8.243.814,678	181.068,187	1.051,32	134°26'13"	182°36'23"	20,503	0,263
2119	BAS-E124	8.243.800,680	181.082,509	1.051,54	134°23'31"	182°33'41"	40,530	0,480
2120	BAS	8.243.792,103	181.090,791	1.051,60	134°45'30"	182°55'40"	52,449	0,542
2121	BAS	8.243.781,472	181.097,303	1.051,76	137°23'10"	185°33'20"	64,627	0,695
2122	BAS-E125	8.243.784,786	181.095,186	1.051,62	136°44'22"	184°54'32"	60,759	0,559
2123	BAS-E126	8.243.770,183	181.108,706	1.051,96	136°51'17"	185°01'27"	80,659	0,903
2124	BAS-E127	8.243.756,194	181.122,992	1.052,19	136°22'01"	184°32'11"	100,639	1,130
2125	BAS-E128	8.243.742,238	181.137,265	1.052,32	136°02'02"	184°12'12"	120,590	1,258
2126	BAS-E129	8.243.728,294	181.151,710	1.052,53	135°44'32"	183°54'42"	140,657	1,470
2127	BAS-E130	8.243.714,368	181.165,937	1.052,67	135°34'27"	183°44'37"	160,560	1,608
2128	BAS-E131	8.243.700,375	181.180,330	1.052,86	135°25'15"	183°35'25"	180,629	1,804
2129	BAS-E132	8.243.686,416	181.194,766	1.053,07	135°16'57"	183°27'07"	200,705	2,013
2130	BAS	8.243.681,406	181.189,720	1.052,90	137°18'41"	185°28'51"	200,840	1,837
2131	BAS	8.243.694,905	181.175,518	1.052,76	137°43'05"	185°53'15"	181,293	1,697
2132	BAS	8.243.709,373	181.160,471	1.052,61	138°13'03"	186°23'13"	160,472	1,550
2133	BAS	8.243.723,002	181.146,793	1.052,45	138°40'16"	186°50'26"	141,200	1,390
2134	BAS	8.243.737,121	181.132,399	1.052,27	139°22'25"	187°32'35"	121,101	1,208
2135	BAS	8.243.751,502	181.117,643	1.052,09	140°25'09"	188°35'19"	100,596	1,034
2136	BAS	8.243.764,899	181.103,816	1.051,96	141°54'38"	190°04'48"	81,486	0,903
2137	BAS	8.243.779,277	181.089,099	1.051,68	144°27'14"	192°37'24"	61,152	0,616
2138	BAS	8.243.792,860	181.075,212	1.051,48	149°04'55"	197°15'05"	42,164	0,416
2139	BAS	8.243.798,722	181.069,184	1.051,38	152°42'42"	200°52'52"	34,107	0,322
2140	BAS	8.243.805,229	181.058,378	1.051,27	168°31'40"	216°41'50"	24,290	0,210
2141	BAS	8.243.807,490	181.049,055	1.051,26	191°46'47"	239°56'57"	22,006	0,202

Nome	Descrição	Norte	Este	Cota
M9		8.243.829,033	181.053,547	1.051,06

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
2142	BAS	8.243.807,386	181.041,046	1.051,32	210°00'26"	258°10'36"	24,997	0,263
2143	BAS	8.243.805,915	181.034,513	1.051,41	219°27'57"	267°38'07"	29,946	0,346
2144	BAS	8.243.803,058	181.024,070	1.051,65	228°36'49"	276°46'59"	39,289	0,594
2145	BAS	8.243.797,259	181.004,782	1.052,18	236°54'47"	285°04'57"	58,203	1,122
2146	BAS-TT	8.243.791,036	180.984,160	1.053,26	241°17'39"	289°27'49"	79,110	2,200
2147	BAS-TT	8.243.790,729	180.982,828	1.053,23	241°33'31"	289°43'41"	80,427	2,172
2148	BAS-TT	8.243.796,907	180.978,841	1.053,25	246°43'51"	294°54'01"	81,321	2,192
2149	BAS-TT	8.243.797,282	180.980,000	1.053,30	246°38'58"	294°49'08"	80,108	2,236
2150	BAS	8.243.785,311	180.964,194	1.053,70	243°55'36"	292°05'46"	99,477	2,635
2151	MF	8.243.792,161	180.962,055	1.053,81	248°03'01"	296°13'11"	98,642	2,751
2152	PC	8.243.791,611	180.954,364	1.053,90	249°19'42"	297°29'52"	106,008	2,836
2153	CV	8.243.796,080	180.958,623	1.053,89	250°51'20"	299°01'30"	100,482	2,828
2154	CV-MU	8.243.807,680	180.950,407	1.053,47	258°18'12"	306°28'22"	105,327	2,408
2155	MU	8.243.810,735	180.954,485	1.053,33	259°32'06"	307°42'16"	100,738	2,270
2156	MU	8.243.823,251	180.945,627	1.053,18	266°56'00"	315°06'10"	108,075	2,121
2157	MU	8.243.820,291	180.941,405	1.053,34	265°32'33"	313°42'43"	112,483	2,277
2158	MU	8.243.835,123	180.928,318	1.053,46	272°47'03"	320°57'13"	125,377	2,396
2159	TT	8.243.831,005	180.957,275	1.053,43	271°10'24"	319°20'34"	96,293	2,374
2160	TT	8.243.830,424	180.956,431	1.053,37	270°49'14"	318°59'24"	97,126	2,310
2161	TT	8.243.816,262	180.967,610	1.053,36	261°32'50"	309°43'00"	86,881	2,298
2162	TT	8.243.815,717	180.966,695	1.053,33	261°16'59"	309°27'09"	87,867	2,267
2163	MU	8.243.833,087	180.960,178	1.052,93	272°29'11"	320°39'21"	93,457	1,866
2164	MU	8.243.842,688	180.968,413	1.052,44	279°06'45"	327°16'55"	86,223	1,380
2165	MU	8.243.857,271	180.956,179	1.052,55	286°10'23"	334°20'33"	101,380	1,493
2166	MU	8.243.870,686	180.944,968	1.052,91	290°59'15"	339°09'25"	116,295	1,851
2167	MU	8.243.881,984	180.935,611	1.052,83	294°10'45"	342°20'55"	129,278	1,767
2168	CANALETA	8.243.810,040	180.973,977	1.052,77	256°34'31"	304°44'41"	81,806	1,707
2169	CANALETA	8.243.810,404	180.974,408	1.052,76	256°45'15"	304°55'25"	81,302	1,704
2170	CANALETA	8.243.819,945	180.968,029	1.052,77	263°56'02"	312°06'12"	86,000	1,705
2171	CANALETA	8.243.819,534	180.967,494	1.052,81	263°42'04"	311°52'14"	86,576	1,751
2172	CANALETA	8.243.831,681	180.959,209	1.052,87	271°36'28"	319°46'38"	94,375	1,808
2173	CANALETA	8.243.832,037	180.959,720	1.052,86	271°50'02"	320°00'12"	93,875	1,798
2174	CANALETA	8.243.821,946	180.959,410	1.052,77	265°41'40"	313°51'50"	94,403	1,709
2175	CANALETA	8.243.822,229	180.959,923	1.052,80	265°50'37"	314°00'47"	93,871	1,742
2176	CANALETA	8.243.814,436	180.965,344	1.052,80	260°36'11"	308°46'21"	89,403	1,737
2177	CANALETA	8.243.814,160	180.964,781	1.052,78	260°29'17"	308°39'27"	90,003	1,718
2178	CANALETA	8.243.801,097	180.973,352	1.052,73	250°47'39"	298°57'49"	84,922	1,672
2179	CANALETA	8.243.801,514	180.973,894	1.052,79	250°56'27"	299°06'37"	84,273	1,729
2180	F	8.243.801,418	180.973,613	1.052,62	250°56'29"	299°06'39"	84,570	1,559
2181	F	8.243.812,046	180.966,610	1.052,48	258°56'38"	307°06'48"	88,581	1,420
2182	F	8.243.822,057	180.959,705	1.052,40	265°44'55"	313°55'05"	94,101	1,337
2183	F	8.243.810,498	180.974,022	1.052,51	256°52'48"	305°02'58"	81,657	1,446
2184	F	8.243.820,936	180.966,891	1.052,39	264°39'42"	312°49'52"	87,033	1,333
2185	F	8.243.828,958	180.961,365	1.052,44	269°57'13"	318°07'23"	92,182	1,383
2186	BAS	8.243.798,875	180.985,019	1.052,97	246°14'49"	294°24'59"	74,871	1,908
2187	BAS	8.243.800,855	180.990,019	1.052,63	246°04'48"	294°14'58"	69,497	1,571
2188	BAS	8.243.806,557	180.995,443	1.052,23	248°51'09"	297°01'19"	62,300	1,168
2189	BAS	8.243.813,223	180.997,270	1.051,92	254°18'31"	302°28'41"	58,455	0,860

Nome	Descrição	Norte	Este	Cota
M9		8.243.829,033	181.053,547	1.051,06

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
2190	BAS	8.243.817,845	180.996,713	1.051,76	258°51'48"	307°01'58"	57,925	0,700
2191	BAS	8.243.824,792	180.994,145	1.051,48	265°54'58"	314°05'08"	59,553	0,421
2192	BAS	8.243.846,034	180.986,111	1.050,79	284°08'58"	332°19'08"	69,546	-0,274
2193	BAS	8.243.862,872	180.979,719	1.050,34	294°37'27"	342°47'37"	81,213	-0,722
2194	BAS	8.243.889,796	180.969,349	1.050,18	305°49'01"	353°59'11"	103,834	-0,876
2195	BAS	8.243.896,020	180.965,342	1.050,05	307°12'53"	355°23'03"	110,759	-1,010
2196	BAS	8.243.903,107	180.959,604	1.050,10	308°15'20"	356°25'30"	119,634	-0,965
2197	BAS	8.243.904,992	180.958,811	1.050,14	308°43'21"	356°53'31"	121,428	-0,921
2198	BAS	8.243.907,194	180.957,889	1.050,14	309°15'06"	357°25'16"	123,530	-0,924
2199	BAS	8.243.909,210	180.956,050	1.050,12	309°25'56"	357°36'06"	126,229	-0,942
2200	BAS	8.243.918,436	180.946,493	1.050,03	309°51'58"	358°02'08"	139,476	-1,033
2201	BAS	8.243.888,152	180.977,669	1.050,25	307°55'24"	356°05'34"	96,191	-0,805
2202	BAS	8.243.870,238	180.984,529	1.050,34	300°50'15"	349°00'25"	80,383	-0,724
2203	BAS	8.243.852,314	180.991,291	1.050,75	290°30'11"	338°40'21"	66,467	-0,315
2204	BAS	8.243.834,579	180.998,012	1.051,27	275°42'09"	323°52'19"	55,812	0,212
2205	BAS	8.243.822,699	181.002,680	1.051,65	262°54'06"	311°04'16"	51,260	0,589
2206	BAS	8.243.831,449	181.012,292	1.050,89	273°21'03"	321°31'13"	41,326	-0,168
2207	BAS	8.243.838,791	181.020,456	1.050,62	286°25'48"	334°35'58"	34,500	-0,438
2208	BAS	8.243.842,531	181.024,361	1.050,72	294°49'12"	342°59'22"	32,156	-0,338
2209	BAS	8.243.855,066	181.011,404	1.050,53	301°42'19"	349°52'29"	49,535	-0,526
2210	BAS	8.243.868,702	180.997,464	1.050,38	305°16'23"	353°26'33"	68,695	-0,679
2211	BAS	8.243.837,642	181.029,223	1.050,80	289°29'24"	337°39'34"	25,803	-0,257
2212	BAS	8.243.839,011	181.027,860	1.050,78	291°13'38"	339°23'48"	27,557	-0,284
2213	BAS	8.243.827,325	181.015,261	1.050,99	267°26'42"	315°36'52"	38,325	-0,069
2214	BAS	8.243.821,058	181.008,327	1.051,45	259°59'51"	308°10'01"	45,918	0,389
2215	BAS	8.243.816,837	181.004,706	1.051,69	255°58'48"	304°08'58"	50,341	0,626
2216	BAS	8.243.811,755	181.004,250	1.051,97	250°41'08"	298°51'18"	52,237	0,912
2217	BAS	8.243.804,024	181.002,635	1.052,18	243°50'22"	292°00'32"	56,723	1,124
2218	BAS	8.243.806,014	181.009,128	1.051,90	242°36'22"	290°46'32"	50,030	0,836
2219	BAS	8.243.807,323	181.011,479	1.051,81	242°42'11"	290°52'21"	47,340	0,754
2220	BAS	8.243.821,597	181.020,071	1.051,14	257°28'35"	305°38'45"	34,292	0,077
2221	BAS	8.243.808,897	181.018,496	1.051,61	240°07'26"	288°17'36"	40,423	0,547
2222	BAS	8.243.822,033	181.026,064	1.051,09	255°42'35"	303°52'45"	28,361	0,028
2223	BAS	8.243.833,925	181.033,172	1.050,89	283°29'58"	331°40'08"	20,955	-0,167
2224	BAS	8.243.824,332	181.042,963	1.051,01	246°03'01"	294°13'11"	11,581	-0,046
2225	BAS	8.243.813,972	181.053,802	1.051,19	179°01'58"	227°12'08"	15,063	0,130
2226	BAS	8.243.814,756	181.047,202	1.051,15	203°57'35"	252°07'45"	15,624	0,091
2227	BAS	8.243.814,533	181.040,982	1.051,16	220°54'43"	269°04'53"	19,187	0,099
2228	BAS	8.243.813,421	181.034,941	1.051,23	230°00'00"	278°10'10"	24,289	0,168
2229	BAS	8.243.811,530	181.027,815	1.051,35	235°46'33"	283°56'43"	31,121	0,286
2230	RG	8.243.819,641	181.028,498	1.051,22	249°26'50"	297°37'00"	26,753	0,162
2231	PC	8.243.807,795	181.009,549	1.052,06	244°13'59"	292°24'09"	48,856	0,996
2232	PCT	8.243.818,771	181.043,597	1.051,22	224°06'51"	272°17'01"	14,294	0,159
2233	PVT	8.243.806,215	181.004,636	1.052,14	244°59'25"	293°09'35"	53,971	1,083
2234	PVT	8.243.807,288	180.994,424	1.052,45	249°48'24"	297°58'34"	62,996	1,395
2235	PLS	8.243.826,718	181.003,871	1.051,33	267°19'55"	315°30'05"	49,730	0,271
2236	PLS	8.243.813,823	180.994,585	1.052,27	255°32'05"	303°42'15"	60,892	1,208
2237	PLS	8.243.824,424	180.987,271	1.052,38	266°01'18"	314°11'28"	66,436	1,315

Nome	Descrição	Norte	Este	Cota
M9		8.243.829,033	181.053,547	1.051,06

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
2238	RG	8.243.857,072	180.968,206	1.052,03	288°11'17"	336°21'27"	89,829	0,967
2239	RG	8.243.812,608	180.993,370	1.052,39	254°44'00"	302°54'10"	62,378	1,328
2240	RG	8.243.811,883	180.993,123	1.052,42	254°09'17"	302°19'27"	62,810	1,363
2241	MU	8.243.779,292	181.009,345	1.052,71	221°37'32"	269°47'42"	66,543	1,654
2242	MU	8.243.779,326	181.009,375	1.052,61	221°37'34"	269°47'44"	66,498	1,549
2242	MU	8.243.803,317	181.032,316	1.051,59	219°32'34"	267°42'44"	33,348	0,526
2243	C	8.243.850,299	180.980,899	1.051,08	286°18'58"	334°29'08"	75,696	0,018
2244	C	8.243.842,742	180.977,452	1.051,94	280°12'45"	328°22'55"	77,321	0,877
2245	C	8.243.852,533	180.974,879	1.050,85	286°37'55"	334°48'05"	82,103	-0,209
2246	C	8.243.857,713	180.963,834	1.052,06	287°43'41"	335°53'51"	94,186	1,004
2247	C	8.243.864,855	180.970,794	1.050,59	293°24'24"	341°34'34"	90,173	-0,470
2248	C	8.243.874,396	180.969,178	1.049,62	298°15'56"	346°26'06"	95,791	-1,436
2249	C	8.243.871,958	180.954,742	1.051,37	293°28'55"	341°39'05"	107,727	0,305
2250	C	8.243.885,633	180.959,819	1.049,85	301°07'37"	349°17'47"	109,492	-1,207
2251	C	8.243.885,304	180.941,406	1.051,36	296°38'49"	344°48'59"	125,468	0,297
2252	C	8.243.883,519	180.952,532	1.050,00	298°20'31"	346°30'41"	114,772	-1,056
2253	C	8.243.895,869	180.933,735	1.051,39	299°09'16"	347°19'26"	137,193	0,328
2254	C	8.243.893,313	180.942,106	1.050,41	299°58'35"	348°08'45"	128,651	-0,655
2255	C	8.243.895,654	180.944,710	1.049,57	301°28'18"	349°38'28"	127,608	-1,495
2256	C	8.243.900,079	180.926,616	1.051,80	299°14'12"	347°24'22"	145,462	0,743
2257	C	8.243.903,011	180.946,993	1.049,41	304°46'17"	352°56'27"	129,717	-1,653
2258	C	8.243.908,548	180.928,831	1.049,81	302°31'13"	350°41'23"	147,908	-1,251
2259	C	8.243.909,993	180.937,340	1.049,54	304°51'52"	353°02'02"	141,628	-1,519
2260	C	8.243.918,781	180.930,761	1.049,50	306°09'51"	354°20'01"	152,089	-1,564
2261	BAS	8.243.897,602	180.981,402	1.050,20	313°32'39"	1°42'49"	99,532	-0,855
2262	BAS	8.243.898,920	180.992,722	1.049,13	318°57'56"	7°08'06"	92,649	-1,933
2263	BAS	8.243.903,971	180.999,991	1.048,49	324°26'51"	12°37'01"	92,109	-2,572
2264	BAS-POR	8.243.921,228	181.016,773	1.047,87	338°15'16"	26°25'26"	99,259	-3,186
2265	BAS-POR	8.243.918,095	181.020,036	1.047,96	339°22'50"	27°33'00"	95,158	-3,096
2266	BAS	8.243.900,915	181.003,525	1.048,69	325°09'58"	13°20'08"	87,574	-2,367
2267	BAS	8.243.895,654	180.999,362	1.049,06	320°52'38"	9°02'48"	85,874	-1,998
2268	BAS	8.243.883,593	180.997,646	1.050,52	314°18'16"	2°28'26"	78,114	-0,544
2269	MU	8.243.933,590	181.003,739	1.047,68	334°31'41"	22°41'51"	115,814	-3,381
2270	MU	8.243.904,962	181.033,717	1.047,96	345°21'47"	33°31'57"	78,475	-3,099
2271	MU	8.243.891,944	181.046,848	1.048,12	353°55'19"	42°05'29"	63,267	-2,938
2272	MU	8.243.878,266	181.060,924	1.048,36	8°31'17"	56°41'27"	49,782	-2,696
2273	MU	8.243.863,315	181.076,329	1.048,60	33°36'22"	81°46'32"	41,161	-2,464
2274	MU-CE	8.243.848,189	181.091,455	1.048,78	63°11'28"	111°21'38"	42,473	-2,285
2275	CE	8.243.834,968	181.078,912	1.049,19	76°49'50"	125°00'00"	26,050	-1,874
2276	CE	8.243.822,727	181.091,102	1.049,45	99°31'57"	147°42'07"	38,080	-1,611
2277	CE	8.243.797,578	181.117,071	1.050,09	116°20'37"	164°30'47"	70,885	-0,966
2278	MF	8.243.781,788	181.100,727	1.051,82	135°02'23"	183°12'33"	66,769	0,757
2279	MF	8.243.782,834	181.105,643	1.051,59	131°34'00"	179°44'10"	69,630	0,527
2280	MF	8.243.793,974	181.116,173	1.050,64	119°14'28"	167°24'38"	71,772	-0,422
2281	MF-CE	8.243.792,881	181.121,352	1.050,57	118°03'56"	166°14'06"	76,840	-0,488
2282	MF	8.243.780,731	181.110,419	1.051,56	130°20'30"	178°30'40"	74,616	0,497
2283	MF	8.243.777,463	181.105,378	1.051,91	134°51'21"	183°01'31"	73,116	0,847
2284	MF	8.243.774,196	181.109,032	1.051,96	134°39'49"	182°49'59"	78,011	0,899

Nome	Descrição	Norte	Este	Cota
M9		8.243.829,033	181.053,547	1.051,06

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
2285	MF	8.243.774,545	181.113,736	1.051,79	132°09'15"	180°19'25"	81,189	0,726
2286	MF	8.243.766,294	181.115,851	1.051,99	135°11'57"	183°22'07"	88,419	0,934
2287	PLS	8.243.741,426	181.124,815	1.052,16	140°52'20"	189°02'30"	112,934	1,103
2288	PC	8.243.736,511	181.127,820	1.052,18	141°14'39"	189°24'49"	118,646	1,118
2289	PON	8.243.723,426	181.139,714	1.052,30	140°47'18"	188°57'28"	136,299	1,237
2290	PON	8.243.725,839	181.136,914	1.052,37	141°04'00"	189°14'10"	132,661	1,309
2291	PON	8.243.723,862	181.135,084	1.052,31	142°12'52"	190°23'02"	133,076	1,245
2292	CXAD	8.243.718,567	181.126,607	1.052,75	146°31'13"	194°41'23"	132,441	1,685
2293	CXAD	8.243.720,439	181.128,292	1.052,75	145°27'39"	193°37'49"	131,831	1,689
2294	CXAD	8.243.722,735	181.126,008	1.052,67	145°43'08"	193°53'18"	128,646	1,607
2295	CXAD	8.243.696,851	181.149,340	1.053,05	144°04'09"	192°14'19"	163,244	1,992
2296	CXAD	8.243.698,754	181.151,075	1.053,04	143°10'53"	191°21'03"	162,740	1,975
2297	CXAD	8.243.701,031	181.148,648	1.053,05	143°23'21"	191°33'31"	159,464	1,989
2298	CE	8.243.685,121	181.178,466	1.052,90	139°02'29"	187°12'39"	190,566	1,840
2299	CE	8.243.674,124	181.167,124	1.053,09	143°45'07"	191°55'17"	192,085	2,030
2300	CE-MF	8.243.698,573	181.141,890	1.052,82	145°53'44"	194°03'54"	157,557	1,764
2301	CE-MF	8.243.700,801	181.139,111	1.053,91	146°17'12"	194°27'22"	154,158	2,847
2302	MF	8.243.711,768	181.146,377	1.052,50	141°38'03"	189°48'13"	149,561	1,435
2303	MF	8.243.714,635	181.148,104	1.052,47	140°25'28"	188°35'38"	148,418	1,411
2304	MF	8.243.718,457	181.147,206	1.052,44	139°44'07"	187°54'17"	144,910	1,375
2305	MF	8.243.709,840	181.156,283	1.052,54	139°14'28"	187°24'38"	157,358	1,482
2306	MF	8.243.709,885	181.153,070	1.052,52	140°07'43"	188°17'53"	155,245	1,457
2307	MF	8.243.708,070	181.150,172	1.052,56	141°22'57"	189°33'07"	154,817	1,496
2308	PC	8.243.708,551	181.156,564	1.052,53	139°28'06"	187°38'16"	158,520	1,466
2309	CXAD	8.243.678,825	181.167,933	1.053,27	142°42'37"	190°52'47"	188,803	2,212
2310	CXAD	8.243.680,758	181.169,764	1.053,21	141°54'40"	190°04'50"	188,392	2,149
2311	CXAD	8.243.684,602	181.165,518	1.053,17	142°12'55"	190°23'05"	182,750	2,109
2312	AV	8.243.688,001	181.158,539	1.053,19	143°20'03"	191°30'13"	175,822	2,128
2313	CV	8.243.712,410	181.128,129	1.052,82	147°24'02"	195°34'12"	138,432	1,757
2314	CV	8.243.724,945	181.113,273	1.052,43	150°09'11"	198°19'21"	120,006	1,367
2315	CV	8.243.739,670	181.098,249	1.052,14	153°25'29"	201°35'39"	99,920	1,078
2316	CV	8.243.760,751	181.076,171	1.051,77	161°40'08"	209°50'18"	71,933	0,705
2317	CV	8.243.772,048	181.086,474	1.051,53	149°58'49"	198°08'59"	65,814	0,468
2318	PC	8.243.764,527	181.099,199	1.051,82	144°42'45"	192°52'55"	79,027	0,764
2319	PC	8.243.792,404	181.070,598	1.051,48	155°02'18"	203°12'28"	40,403	0,420
2320	MF	8.243.782,407	181.082,331	1.051,59	148°18'41"	196°28'51"	54,795	0,528
2321	MF	8.243.783,341	181.079,164	1.051,56	150°43'26"	198°53'36"	52,383	0,498
2322	MF	8.243.782,697	181.076,857	1.051,54	153°17'43"	201°27'53"	51,869	0,480
2323	MF	8.243.785,567	181.074,212	1.051,54	154°34'23"	202°44'33"	48,128	0,481
2324	MF	8.243.787,717	181.075,385	1.051,55	152°08'28"	200°18'38"	46,732	0,487
2325	MF	8.243.789,633	181.075,545	1.051,49	150°49'28"	198°59'38"	45,125	0,426
2326	CE	8.243.793,416	181.064,893	1.051,29	162°19'54"	210°30'04"	37,381	0,228
2327	CE	8.243.805,558	181.052,213	1.051,45	183°15'12"	231°25'22"	23,513	0,385
2328	CE	8.243.803,001	181.032,578	1.051,62	218°51'04"	267°01'14"	33,427	0,562
2329	PA03	8.243.813,993	181.052,264	1.051,21	184°52'43"	233°02'53"	15,094	0,151
2330	PVT	8.243.825,981	181.060,876	1.051,19	112°36'38"	160°46'48"	7,939	0,131
2331	C	8.243.825,632	181.060,583	1.050,81	115°48'05"	163°58'15"	7,814	-0,249
2332	CXT	8.243.824,333	181.061,531	1.051,04	120°29'21"	168°39'31"	9,264	-0,020

Nome	Descrição	Norte	Este	Cota
M9		8.243.829,033	181.053,547	1.051,06

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
2333	CXT	8.243.823,782	181.061,009	1.051,01	125°08'11"	173°18'21"	9,124	-0,049
2334	CXT	8.243.822,778	181.061,937	1.050,96	126°42'30"	174°52'40"	10,465	-0,103
2335	CXT	8.243.821,336	181.064,520	1.050,96	125°02'56"	173°13'06"	13,403	-0,097
2336	CXT	8.243.820,631	181.063,985	1.051,18	128°49'58"	177°00'08"	13,399	0,125
2337	CXT	8.243.819,399	181.065,169	1.051,21	129°39'30"	177°49'40"	15,095	0,145
2338	PA3A	8.244.067,411	180.807,510	1.052,97	314°05'39"	2°15'49"	342,576	1,905

Nome	Descrição	Norte	Este	Cota
M10		8.243.642,299	181.238,305	1.053,34

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
2341	LU	8.243.704,345	181.182,275	1.052,41	317°55'02"	2°36'44"	83,601	-0,932
2342	LU	8.243.732,332	181.153,762	1.051,95	316°48'05"	1°29'47"	123,504	-1,389
2343	LU	8.243.676,076	181.211,043	1.053,15	321°05'33"	5°47'15"	43,406	-0,188
2344	LU	8.243.646,728	181.239,966	1.053,22	20°33'18"	65°15'00"	4,730	-0,121
2345	PLS	8.243.631,501	181.237,392	1.053,26	184°49'54"	229°31'36"	10,836	-0,083
2346	PLS	8.243.634,346	181.249,302	1.053,41	125°52'15"	170°33'57"	13,571	0,076
2347	LU	8.243.621,337	181.270,608	1.052,96	122°58'47"	167°40'29"	38,509	-0,379
2348	COQ	8.243.618,398	181.273,562	1.053,01	124°07'58"	168°49'40"	42,594	-0,329
2349	COQ	8.243.606,155	181.286,650	1.053,01	126°46'57"	171°28'39"	60,363	-0,331
2350	PLS	8.243.607,284	181.297,194	1.052,46	120°44'07"	165°25'49"	68,512	-0,875
2351	LU	8.243.594,974	181.296,297	1.052,72	129°12'58"	173°54'40"	74,852	-0,617
2352	COQ	8.243.578,774	181.308,577	1.052,61	132°06'46"	176°48'28"	94,729	-0,725
2353	PLS	8.243.577,676	181.316,370	1.052,51	129°37'05"	174°18'47"	101,342	-0,832
2354	AV	8.243.569,757	181.313,346	1.052,81	134°01'46"	178°43'28"	104,372	-0,526
2355	LU	8.243.564,507	181.315,606	1.053,16	135°10'53"	179°52'35"	109,668	-0,178
2356	COQ	8.243.562,983	181.317,504	1.052,94	135°02'32"	179°44'14"	112,087	-0,404
2357	COQ	8.243.547,482	181.326,488	1.053,04	137°04'34"	181°46'16"	129,485	-0,297
2358	PLS	8.243.549,682	181.316,522	1.054,18	139°49'05"	184°30'47"	121,227	0,846
2359	PLS	8.243.543,048	181.305,370	1.054,00	145°57'09"	190°38'51"	119,785	0,661
2360	PLS	8.243.536,828	181.309,026	1.054,14	146°09'25"	190°51'07"	126,987	0,798
2361	PLS	8.243.542,331	181.336,442	1.052,85	135°31'46"	180°13'28"	140,088	-0,489
2362	PLS	8.243.547,109	181.344,003	1.052,81	132°00'20"	176°42'02"	142,243	-0,527
2363	PLS	8.243.549,817	181.343,776	1.052,69	131°14'45"	175°56'27"	140,275	-0,646
2364	LU	8.243.533,087	181.335,044	1.053,41	138°27'56"	183°09'38"	145,897	0,075
2365	PLS	8.243.546,067	181.345,209	1.052,84	131°59'33"	176°41'15"	143,837	-0,499
2366	COQ	8.243.532,182	181.335,922	1.053,25	138°26'36"	183°08'18"	147,156	-0,088
2367	COQ	8.243.516,387	181.344,951	1.053,34	139°44'08"	184°25'50"	165,007	-0,003
2368	PLP	8.243.522,395	181.341,328	1.053,31	139°19'49"	184°01'31"	158,084	-0,029
2369	COQ	8.243.500,583	181.353,551	1.053,52	140°52'52"	185°34'34"	182,661	0,180
2370	LU	8.243.496,889	181.353,402	1.053,94	141°38'13"	186°19'55"	185,449	0,597
2371	COQ	8.243.561,208	181.340,165	1.052,34	128°31'24"	173°13'06"	130,197	-1,002
2372	COQ	8.243.569,486	181.352,639	1.052,01	122°29'27"	167°11'09"	135,551	-1,330
2373	COQ	8.243.575,462	181.339,273	1.052,25	123°30'11"	168°11'53"	121,086	-1,088
2374	COQ	8.243.583,193	181.327,041	1.052,24	123°40'01"	168°21'43"	106,620	-1,098
2375	COQ	8.243.581,955	181.374,894	1.051,58	113°50'08"	158°31'50"	149,325	-1,760
2376	COQ	8.243.596,382	181.319,861	1.052,18	119°22'48"	164°04'30"	93,594	-1,156
2377	COQ	8.243.585,948	181.389,479	1.051,05	110°26'35"	155°08'17"	161,335	-2,293

Nome	Descrição	Norte	Este	Cota
M10		8.243.642,299	181.238,305	1.053,34

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
2378	COQ	8.243.591,214	181.340,126	1.051,73	116°38'37"	161°20'19"	113,918	-1,614
2379	COQ	8.243.580,475	181.430,333	1.050,29	107°50'46"	152°32'28"	201,735	-3,046
2380	COQ	8.243.578,848	181.448,781	1.049,89	106°46'34"	151°28'16"	219,833	-3,450
2381	COQ	8.243.577,497	181.467,472	1.049,45	105°47'22"	150°29'04"	238,153	-3,887
2382	COQ	8.243.576,405	181.487,966	1.048,81	104°47'06"	149°28'48"	258,210	-4,533
2383	COQ	8.243.575,356	181.506,428	1.048,36	104°01'07"	148°42'49"	276,354	-4,979
2384	COQ	8.243.572,429	181.524,091	1.048,04	103°44'18"	148°26'00"	294,203	-5,299
2385	E10	8.243.559,279	181.514,047	1.048,22	106°45'21"	151°27'03"	287,969	-5,123
2386	E9	8.243.561,725	181.494,185	1.048,73	107°28'43"	152°10'25"	268,266	-4,612
2387	E146	8.243.592,767	181.450,672	1.049,57	103°07'43"	147°49'25"	218,067	-3,770
2388	E8	8.243.563,624	181.474,207	1.049,27	108°26'38"	153°08'20"	248,675	-4,071
2389	E145	8.243.595,166	181.430,841	1.050,03	103°45'20"	148°27'02"	198,222	-3,307
2390	E7	8.243.565,585	181.454,325	1.049,76	109°33'04"	154°14'46"	229,237	-3,577
2391	E141	8.243.597,170	181.410,931	1.050,46	104°39'02"	149°20'44"	178,428	-2,882
2391	E144	8.243.597,171	181.410,909	1.050,45	104°39'08"	149°20'50"	178,406	-2,885
2392	E6	8.243.567,704	181.434,385	1.050,22	110°49'42"	155°31'24"	209,790	-3,120
2393	E143	8.243.599,365	181.391,026	1.050,87	105°42'07"	150°23'49"	158,641	-2,474
2394	E5	8.243.569,681	181.414,603	1.050,58	112°23'13"	157°04'55"	190,669	-2,760
2395	E142	8.243.601,487	181.371,048	1.051,22	107°05'24"	151°47'06"	138,876	-2,117
2396	E4	8.243.571,860	181.394,766	1.050,97	114°14'14"	158°55'56"	171,586	-2,369
2397	E141	8.243.603,784	181.351,175	1.051,56	108°50'28"	153°32'10"	119,260	-1,784
2398	E3	8.243.570,156	181.374,974	1.051,43	117°49'41"	162°31'23"	154,542	-1,906
2399	E140	8.243.605,831	181.331,250	1.051,79	111°25'22"	156°07'04"	99,843	-1,545
2400	E2	8.243.558,412	181.359,211	1.051,94	124°45'12"	169°26'54"	147,158	-1,397
2401	E139	8.243.610,915	181.311,909	1.052,05	113°05'33"	157°47'15"	80,016	-1,291
2402	E1	8.243.539,662	181.352,708	1.052,38	131°53'48"	176°35'30"	153,696	-0,956
2403	E138	8.243.621,612	181.294,965	1.052,25	110°03'26"	154°45'08"	60,319	-1,092
2404	E0	8.243.520,346	181.357,573	1.052,73	135°38'16"	180°19'58"	170,580	-0,611
2405	E137	8.243.634,418	181.279,664	1.052,33	100°47'19"	145°29'01"	42,103	-1,013
2406	E136	8.243.646,391	181.263,566	1.052,55	80°47'54"	125°29'36"	25,591	-0,793
2407	E135	8.243.655,552	181.245,752	1.052,78	29°19'50"	74°01'32"	15,202	-0,561
2408	E134	8.243.664,065	181.227,648	1.052,93	333°54'47"	18°36'29"	24,235	-0,410
2409	E133	8.243.674,393	181.210,443	1.053,12	319°02'18"	3°44'00"	42,500	-0,216
2410	E137	8.243.635,159	181.280,283	1.052,32	99°39'10"	144°20'52"	42,581	-1,020
2411	E138	8.243.621,891	181.295,237	1.052,23	109°43'15"	154°24'57"	60,480	-1,111
2412	E139	8.243.611,146	181.311,984	1.052,02	112°55'09"	157°36'51"	79,994	-1,316
2413	E140	8.243.606,084	181.331,275	1.051,80	111°16'56"	155°58'38"	99,775	-1,538
2414	E141	8.243.603,931	181.351,179	1.051,57	108°46'25"	153°28'07"	119,217	-1,768
2415	E142	8.243.601,641	181.371,063	1.051,22	107°01'38"	151°43'20"	138,845	-2,116
2416	E143	8.243.599,572	181.391,001	1.050,86	105°37'57"	150°19'39"	158,561	-2,474
2417	E144	8.243.597,385	181.410,915	1.050,46	104°35'06"	149°16'48"	178,358	-2,875
2418	E145	8.243.595,208	181.430,813	1.050,02	103°44'44"	148°26'26"	198,184	-3,315
2419	E146	8.243.593,331	181.450,816	1.049,56	102°58'33"	147°40'15"	218,080	-3,775
2420	CER	8.243.669,218	181.194,847	1.052,90	301°46'31"	346°28'13"	51,119	-0,436
2421	CER	8.243.655,601	181.208,991	1.052,91	294°24'30"	339°06'12"	32,191	-0,424
2422	CER	8.243.642,167	181.222,683	1.053,23	269°30'56"	314°12'38"	15,622	-0,111
2423	CE	8.243.630,163	181.211,735	1.053,36	245°27'06"	290°08'48"	29,210	0,022
2424	CE	8.243.624,585	181.217,575	1.053,32	229°29'08"	274°10'50"	27,267	-0,017

Nome	Descrição	Norte	Este	Cota
M10		8.243.642,299	181.238,305	1.053,34

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
2425	CE	8.243.636,056	181.228,611	1.053,37	237°13'17"	281°54'59"	11,530	0,030
2426	CE	8.243.621,137	181.241,898	1.053,24	170°21'45"	215°03'27"	21,465	-0,102
2427	CE	8.243.605,546	181.255,388	1.053,43	155°04'15"	199°45'57"	40,529	0,096
2428	CE	8.243.586,076	181.271,888	1.053,50	149°08'58"	193°50'40"	65,489	0,160
2429	CE	8.243.569,389	181.285,453	1.053,78	147°06'38"	191°48'20"	86,826	0,445
2430	PC	8.243.580,316	181.282,988	1.053,68	144°12'45"	188°54'27"	76,410	0,344
2431	AV	8.243.579,135	181.280,320	1.053,82	146°22'07"	191°03'49"	75,861	0,484
2432	AV	8.243.583,246	181.276,871	1.053,65	146°51'08"	191°32'50"	70,531	0,316
2433	AV	8.243.588,199	181.272,995	1.053,62	147°19'50"	192°01'32"	64,266	0,280
2434	AV	8.243.593,616	181.268,032	1.053,56	148°35'24"	193°17'06"	57,041	0,225
2435	AV	8.243.600,602	181.263,356	1.053,53	149°00'09"	193°41'51"	48,644	0,193
2436	PC	8.243.607,842	181.260,279	1.053,44	147°28'21"	192°10'03"	40,867	0,100
2437	PC	8.243.630,229	181.237,394	1.053,25	184°18'59"	229°00'41"	12,104	-0,085
2438	PC	8.243.652,415	181.214,498	1.053,04	293°01'23"	337°43'05"	25,867	-0,294
2439	MF	8.243.635,752	181.231,078	1.053,27	227°49'42"	272°31'24"	9,751	-0,068
2440	MF	8.243.637,137	181.229,344	1.053,22	240°03'19"	284°45'01"	10,341	-0,121
2441	MF	8.243.636,813	181.226,969	1.053,17	244°10'39"	288°52'21"	12,593	-0,169
2442	MF	8.243.635,823	181.225,300	1.053,18	243°31'44"	288°13'26"	14,528	-0,156
2443	MF	8.243.639,188	181.221,362	1.053,16	259°35'51"	304°17'33"	17,226	-0,179
2444	MF	8.243.641,014	181.222,582	1.053,14	265°19'47"	310°01'29"	15,775	-0,200
2445	MF	8.243.642,972	181.223,008	1.053,16	272°31'15"	317°12'57"	15,312	-0,184
2446	MF	8.243.644,962	181.222,140	1.053,15	279°21'25"	324°03'07"	16,382	-0,188
2447	MF	8.243.629,783	181.212,217	1.053,30	244°22'13"	289°03'55"	28,935	-0,043
2448	MF	8.243.626,110	181.215,875	1.053,28	234°10'47"	278°52'29"	27,662	-0,063
2449	LU	8.243.636,199	181.217,925	1.054,88	253°20'18"	298°02'00"	21,273	1,546
2450	AV	8.243.634,344	181.226,264	1.053,33	236°32'50"	281°14'32"	14,431	-0,009
2451	BAS	8.243.676,428	181.194,752	1.052,95	308°04'58"	352°46'40"	55,332	-0,389
2452	BAS	8.243.662,316	181.209,042	1.053,06	304°22'29"	349°04'11"	35,454	-0,282
2453	BAS	8.243.651,037	181.220,744	1.053,10	296°27'19"	341°09'01"	19,615	-0,236
2454	BAS	8.243.639,915	181.232,030	1.053,22	249°11'55"	293°53'37"	6,713	-0,122
2455	BAS	8.243.626,284	181.246,120	1.053,35	153°59'15"	198°40'57"	17,820	0,011
2456	BAS	8.243.612,688	181.259,834	1.053,41	143°58'50"	188°40'32"	36,610	0,070
2457	BAS	8.243.599,784	181.271,697	1.053,49	141°51'10"	186°32'52"	54,060	0,153
2458	BAS	8.243.585,238	181.283,581	1.053,60	141°34'09"	186°15'51"	72,841	0,260
2459	MF	8.243.590,330	181.288,776	1.053,73	135°50'16"	180°31'58"	72,444	0,395
2460	MF	8.243.603,940	181.277,664	1.053,60	134°15'45"	178°57'27"	54,959	0,266
2461	MF	8.243.617,567	181.265,074	1.053,51	132°44'03"	177°25'45"	36,445	0,174
2462	MF	8.243.625,021	181.257,614	1.053,46	131°49'22"	176°31'04"	25,911	0,119
2463	MF	8.243.629,528	181.256,292	1.053,27	125°22'25"	170°04'07"	22,060	-0,069
2464	MF	8.243.632,649	181.258,168	1.052,95	115°54'33"	160°36'15"	22,083	-0,387
2465	MF	8.243.634,073	181.261,505	1.052,69	109°31'21"	154°13'03"	24,615	-0,650
2466	MF	8.243.632,285	181.266,168	1.052,52	109°46'05"	154°27'47"	29,608	-0,816
2467	MF	8.243.618,755	181.284,068	1.052,40	117°13'28"	161°55'10"	51,465	-0,938
2468	MF	8.243.612,402	181.294,098	1.052,31	118°11'05"	162°52'47"	63,299	-1,031
2469	MF	8.243.616,503	181.302,331	1.052,15	111°56'37"	156°38'19"	69,028	-1,191
2470	MF	8.243.623,389	181.293,532	1.052,24	108°54'03"	153°35'45"	58,375	-1,103
2471	MF	8.243.632,393	181.283,611	1.052,29	102°20'00"	147°01'42"	46,377	-1,051
2472	MF	8.243.642,220	181.270,264	1.052,46	90°08'26"	134°50'08"	31,959	-0,881

Nome	Descrição	Norte	Este	Cota
M10		8.243.642,299	181.238,305	1.053,34

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
2473	MF	8.243.650,663	181.255,839	1.052,62	64°29'56"	109°11'38"	19,427	-0,717
2474	MF	8.243.659,218	181.237,839	1.052,82	358°25'25"	43°07'07"	16,926	-0,521
2475	MF	8.243.669,146	181.218,890	1.053,06	324°07'37"	8°49'19"	33,132	-0,283
2476	MF	8.243.679,494	181.203,557	1.053,08	316°56'55"	1°38'37"	50,901	-0,261
2477	MF	8.243.641,037	181.258,226	1.052,59	93°37'29"	138°19'11"	19,961	-0,748
2478	MF	8.243.639,151	181.254,760	1.052,83	100°49'47"	145°31'29"	16,754	-0,508
2479	MF	8.243.636,118	181.251,684	1.053,13	114°47'35"	159°29'17"	14,738	-0,206
2480	MF	8.243.632,808	181.249,729	1.053,37	129°43'07"	174°24'49"	14,852	0,027
2481	MF	8.243.647,152	181.235,136	1.053,29	326°51'42"	11°33'24"	5,796	-0,051
2482	MF	8.243.649,016	181.234,690	1.053,28	331°42'57"	16°24'39"	7,628	-0,058
2483	MF	8.243.651,359	181.235,821	1.053,07	344°40'05"	29°21'47"	9,394	-0,268
2484	MF	8.243.651,718	181.237,260	1.052,97	353°40'13"	38°21'55"	9,478	-0,370
2485	PVT	8.243.687,714	181.204,234	1.052,68	323°07'21"	7°49'03"	56,775	-0,656
2486	C	8.243.688,139	181.204,646	1.051,99	323°42'40"	8°24'22"	56,870	-1,348
2487	MU-CE	8.243.708,425	181.235,454	1.050,73	357°31'52"	42°13'34"	66,188	-2,611
2488	MU	8.243.721,672	181.221,718	1.050,68	348°11'47"	32°53'29"	81,088	-2,658
2489	MU	8.243.733,794	181.209,248	1.050,56	342°22'54"	27°04'36"	95,998	-2,780
2490	MU-POR	8.243.741,792	181.200,779	1.050,68	339°20'06"	24°01'48"	106,334	-2,657
2491	MU-POR	8.243.744,555	181.197,957	1.050,66	338°28'02"	23°09'44"	109,929	-2,676
2492	MU	8.243.757,752	181.184,192	1.050,42	334°53'15"	19°34'57"	127,506	-2,920
2493	MU	8.243.777,536	181.163,671	1.050,17	331°06'25"	15°48'07"	154,465	-3,168
2494	CE	8.243.763,834	181.150,906	1.050,48	324°16'45"	8°58'27"	149,697	-2,859
2495	BAS	8.243.740,085	181.200,209	1.050,60	338°42'54"	23°24'36"	104,945	-2,742
2496	BAS	8.243.743,777	181.196,075	1.050,55	337°24'20"	22°06'02"	109,915	-2,792
2497	BAS	8.243.731,097	181.183,659	1.050,92	328°23'32"	13°05'14"	104,266	-2,423
2498	BAS	8.243.726,943	181.187,870	1.050,97	329°12'42"	13°54'24"	98,531	-2,366
2499	BAS	8.243.719,112	181.180,471	1.051,51	323°01'25"	7°43'07"	96,151	-1,825
2500	BAS	8.243.714,115	181.177,087	1.051,99	319°33'17"	4°14'59"	94,367	-1,349
2501	BAS	8.243.706,526	181.176,161	1.052,75	315°56'40"	0°38'22"	89,370	-0,591
2502	BAS	8.243.718,980	181.163,640	1.052,57	315°45'48"	0°27'30"	107,027	-0,772
2503	BAS	8.243.721,870	181.173,903	1.051,54	321°00'53"	5°42'35"	102,368	-1,798
2504	AV	8.243.736,379	181.178,673	1.050,92	327°37'54"	12°19'36"	111,387	-2,415
2505	AV	8.243.739,690	181.175,374	1.050,80	327°07'51"	11°49'33"	115,954	-2,542
2506	AV	8.243.742,621	181.172,291	1.050,74	326°39'16"	11°20'58"	120,093	-2,598
2507	AV	8.243.740,994	181.188,276	1.050,75	333°07'10"	17°48'52"	110,651	-2,587
2508	COQ	8.243.736,832	181.200,930	1.050,65	338°25'41"	23°07'23"	101,653	-2,688
2509	COQ	8.243.732,684	181.197,104	1.050,62	335°29'42"	20°11'24"	99,333	-2,716
2510	COQ	8.243.725,948	181.203,455	1.050,70	337°22'58"	22°04'40"	90,619	-2,637
2511	COQ	8.243.707,968	181.222,131	1.050,74	346°09'50"	30°51'32"	67,632	-2,597
2512	COQ	8.243.703,807	181.223,089	1.050,91	346°06'21"	30°48'03"	63,363	-2,432
2513	C	8.243.713,851	181.199,460	1.050,90	331°30'10"	16°11'52"	81,416	-2,441
2514	C	8.243.707,634	181.193,512	1.051,19	325°33'57"	10°15'39"	79,216	-2,146
2515	C	8.243.701,962	181.213,650	1.051,00	337°32'53"	22°14'35"	64,557	-2,343
2516	C	8.243.700,721	181.200,239	1.051,71	326°54'48"	11°36'30"	69,729	-1,632
2517	C	8.243.690,702	181.227,555	1.051,04	347°28'42"	32°10'24"	49,582	-2,297
2518	C	8.243.694,944	181.205,715	1.051,40	328°14'26"	12°56'08"	61,916	-1,938
2519	C	8.243.679,445	181.241,797	1.051,24	5°22'13"	50°03'55"	37,310	-2,101
2520	C	8.243.682,921	181.219,789	1.051,51	335°29'49"	20°11'31"	44,643	-1,826

Nome	Descrição	Norte	Este	Cota
M10		8.243.642,299	181.238,305	1.053,34

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
2521	C	8.243.668,254	181.255,313	1.051,22	33°14'09"	77°55'51"	31,031	-2,115
2522	C	8.243.676,027	181.227,020	1.051,77	341°30'04"	26°11'46"	35,566	-1,572
2523	C	8.243.657,506	181.268,404	1.051,30	63°11'44"	107°53'26"	33,723	-2,035
2524	C	8.243.672,481	181.230,559	1.051,56	345°36'25"	30°18'07"	31,161	-1,776
2525	C	8.243.647,094	181.281,169	1.051,34	83°37'00"	128°18'42"	43,132	-2,002
2526	C	8.243.662,190	181.242,265	1.051,62	11°15'40"	55°57'22"	20,282	-1,716
2527	C	8.243.658,304	181.241,134	1.052,83	10°01'29"	54°43'11"	16,253	-0,505
2528	C	8.243.666,842	181.225,461	1.052,83	332°22'39"	17°04'21"	27,701	-0,511
2529	C	8.243.678,882	181.210,349	1.052,93	322°36'52"	7°18'34"	46,042	-0,408
2530	C	8.243.656,294	181.251,393	1.051,68	43°04'56"	87°46'38"	19,161	-1,656
2531	C	8.243.691,538	181.194,110	1.052,64	318°05'26"	2°47'08"	66,164	-0,698
2532	C	8.243.649,229	181.266,123	1.051,61	76°00'38"	120°42'20"	28,669	-1,725
2533	C	8.243.647,770	181.268,763	1.051,93	79°48'57"	124°30'39"	30,945	-1,405
2534	C	8.243.643,597	181.273,404	1.052,15	87°52'53"	132°34'35"	35,123	-1,188
2535	C	8.243.702,252	181.184,138	1.052,55	317°54'11"	2°35'53"	80,799	-0,788
2536	C	8.243.640,729	181.276,902	1.051,73	92°19'45"	137°01'27"	38,630	-1,607
2537	C	8.243.634,263	181.285,187	1.051,71	99°43'36"	144°25'18"	47,566	-1,631
2538	C	8.243.681,565	181.214,728	1.051,85	329°01'06"	13°42'48"	45,801	-1,486
2539	C	8.243.667,938	181.232,194	1.051,72	346°35'38"	31°17'20"	26,357	-1,624
2540	CE	8.243.608,529	181.326,615	1.051,61	110°55'36"	155°37'18"	94,546	-1,732
2541	CE	8.243.621,749	181.309,843	1.051,57	106°01'37"	150°43'19"	74,431	-1,765
2542	CE	8.243.643,014	181.283,348	1.051,41	89°05'26"	133°47'08"	45,049	-1,929
2543	CE	8.243.653,524	181.280,359	1.051,14	75°03'19"	119°45'01"	43,527	-2,197
2544	CE	8.243.661,113	181.284,619	1.050,88	67°53'28"	112°35'10"	49,991	-2,459
2545	CE	8.243.666,879	181.277,411	1.051,17	57°50'56"	102°32'38"	46,190	-2,166
2546	CE	8.243.680,737	181.262,931	1.050,74	32°38'49"	77°20'31"	45,651	-2,597
2547	CE	8.243.694,839	181.248,469	1.050,74	10°56'55"	55°38'37"	53,514	-2,599
2548	C	8.243.725,086	181.176,878	1.051,32	323°25'31"	8°07'13"	103,087	-2,018
2549	C	8.243.738,010	181.162,529	1.050,97	321°37'51"	6°19'33"	122,076	-2,370
2550	C	8.243.734,226	181.156,473	1.051,18	318°19'31"	3°01'13"	123,073	-2,162
2551	C	8.243.751,564	181.147,863	1.050,73	320°23'04"	5°04'46"	141,840	-2,610
2552	C	8.243.746,004	181.142,302	1.051,30	317°12'31"	1°54'13"	141,320	-2,042
2553	C	8.243.763,999	181.135,699	1.050,65	319°51'56"	4°33'38"	159,182	-2,684
2554	C	8.243.757,913	181.130,686	1.051,63	317°03'05"	1°44'47"	157,951	-1,712
2555	C	8.243.775,985	181.123,802	1.050,57	319°25'12"	4°06'54"	176,020	-2,768
2556	C	8.243.756,967	181.127,304	1.052,01	315°55'52"	0°37'34"	159,593	-1,329
2557	C	8.243.741,134	181.142,547	1.052,30	315°54'22"	0°36'04"	137,615	-1,039
2558	C	8.243.728,522	181.155,861	1.052,31	316°17'01"	0°58'43"	119,295	-1,028
2559	PVT	8.243.756,846	181.131,507	1.052,06	317°00'19"	1°42'01"	156,610	-1,284

Nome	Descrição	Norte	Este	Cota
M11		8.243.600,470	181.283,535	1.053,62

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
AUX14	A	8.243.429,500	181.384,311	1.053,47	149°29'00"	196°43'16"	198,460	-0,149
2560	CE	8.243.588,107	181.270,136	1.053,52	227°18'12"	274°32'28"	18,232	-0,099
2561	CE	8.243.574,255	181.281,497	1.053,60	184°26'45"	231°41'01"	26,294	-0,014
2562	CE	8.243.560,538	181.292,707	1.053,98	167°03'54"	214°18'10"	40,971	0,368

Nome	Descrição	Norte	Este	Cota
M11		8.243.600,470	181.283,535	1.053,62

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
2563	CE	8.243.556,218	181.285,231	1.053,95	177°48'22"	225°02'38"	44,285	0,330
2564	CE	8.243.555,216	181.285,661	1.054,04	177°18'39"	224°32'55"	45,303	0,424
2565	CE	8.243.540,938	181.259,283	1.054,58	202°09'55"	249°24'11"	64,282	0,959
2566	CE	8.243.531,391	181.264,834	1.054,69	195°08'53"	242°23'09"	71,565	1,073
2567	CE	8.243.538,871	181.278,171	1.054,34	184°58'39"	232°12'55"	61,832	0,726
2568	CE	8.243.549,305	181.298,005	1.053,99	164°12'33"	211°26'49"	53,172	0,372
2569	CE	8.243.548,358	181.300,431	1.054,01	162°02'10"	209°16'26"	54,783	0,394
2570	CE	8.243.532,375	181.308,406	1.054,03	159°56'10"	207°10'26"	72,494	0,413
2571	MF	8.243.538,895	181.263,038	1.054,55	198°24'44"	245°39'00"	64,897	0,936
2572	MF	8.243.534,637	181.266,220	1.054,60	194°44'10"	241°58'26"	68,072	0,986
2573	MF	8.243.543,022	181.280,942	1.054,18	182°35'05"	229°49'21"	57,507	0,564
2574	MF	8.243.547,859	181.278,753	1.054,12	185°11'39"	232°25'55"	52,827	0,505
2575	MF	8.243.555,819	181.292,926	1.053,82	168°07'25"	215°21'41"	45,627	0,208
2576	MF	8.243.557,232	181.294,659	1.053,82	165°34'22"	212°48'38"	44,646	0,200
2577	MF	8.243.559,674	181.295,236	1.053,83	163°59'49"	211°14'05"	42,440	0,213
2578	MF	8.243.562,415	181.294,411	1.053,82	164°03'01"	211°17'17"	39,578	0,208
2579	MF	8.243.534,160	181.313,211	1.054,04	155°53'24"	203°07'40"	72,647	0,427
2580	MF	8.243.535,741	181.311,221	1.053,99	156°50'35"	204°04'51"	70,401	0,376
2581	MF	8.243.536,729	181.309,345	1.053,98	157°57'23"	205°11'39"	68,767	0,366
2582	MF	8.243.548,690	181.302,527	1.053,89	159°51'30"	207°05'46"	55,153	0,277
2583	MF	8.243.551,087	181.300,257	1.053,88	161°17'37"	208°31'53"	52,137	0,260
2584	MF	8.243.551,920	181.296,934	1.053,87	164°34'20"	211°48'36"	50,365	0,250
2585	CAL	8.243.561,633	181.293,573	1.053,96	165°30'34"	212°44'50"	40,113	0,342
2586	CAL	8.243.559,032	181.294,124	1.053,94	165°39'56"	212°54'12"	42,770	0,328
2587	CAL	8.243.557,591	181.293,421	1.054,00	167°01'02"	214°15'18"	44,003	0,382
2588	CAL	8.243.547,934	181.276,296	1.054,35	187°50'47"	235°05'03"	53,033	0,730
2589	CAL	8.243.539,811	181.261,985	1.054,70	199°33'33"	246°47'49"	64,373	1,088
2590	CAL	8.243.533,174	181.266,157	1.054,77	194°28'48"	241°43'04"	69,504	1,152
2591	CAL	8.243.540,267	181.278,592	1.054,48	184°41'38"	231°55'54"	60,406	0,860
2592	CAL	8.243.550,919	181.297,737	1.054,00	164°00'27"	211°14'43"	51,546	0,383
2593	CAL	8.243.549,344	181.300,298	1.053,97	161°50'50"	209°05'06"	53,804	0,353
2594	CAL	8.243.535,301	181.308,572	1.054,06	158°59'04"	206°13'20"	69,812	0,448
2595	CAL	8.243.533,304	181.311,858	1.054,18	157°08'09"	204°22'25"	72,893	0,568
2596	PON	8.243.525,650	181.316,702	1.054,37	156°05'34"	203°19'50"	81,841	0,757
2597	PON	8.243.527,704	181.315,445	1.054,37	156°19'17"	203°33'33"	79,455	0,753
2598	PON	8.243.526,398	181.313,132	1.054,17	158°13'12"	205°27'28"	79,766	0,556
2599	CAL	8.243.516,125	181.321,382	1.054,33	155°50'02"	203°04'18"	92,447	0,715
2600	CAL	8.243.514,936	181.319,253	1.054,33	157°20'08"	204°34'24"	92,692	0,714
2601	CAL	8.243.507,507	181.323,275	1.054,42	156°51'15"	204°05'31"	101,101	0,806
2602	CAL	8.243.508,673	181.325,507	1.054,42	155°25'45"	202°40'01"	100,937	0,805
2603	MF	8.243.515,443	181.323,553	1.054,19	154°47'46"	202°02'02"	93,973	0,572
2604	MF	8.243.514,273	181.321,421	1.054,22	156°16'25"	203°30'41"	94,155	0,602
2605	MF	8.243.509,818	181.324,043	1.054,22	155°55'21"	203°09'37"	99,290	0,607
2606	MF	8.243.510,902	181.326,084	1.054,20	154°35'26"	201°49'42"	99,160	0,586
2607	CE	8.243.514,480	181.317,466	1.054,09	158°27'59"	205°42'15"	92,442	0,474
2608	CE	8.243.498,105	181.325,702	1.054,12	157°36'44"	204°51'00"	110,709	0,499
2609	CE	8.243.475,837	181.336,836	1.054,31	156°50'44"	204°05'00"	135,551	0,693
2610	PVE	8.243.474,799	181.342,003	1.054,51	155°03'01"	202°17'17"	138,606	0,893

Nome	Descrição	Norte	Este	Cota
M11		8.243.600,470	181.283,535	1.053,62

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
2611	MF	8.243.469,791	181.348,932	1.054,04	153°24'54"	200°39'10"	146,129	0,427
2612	MF	8.243.488,391	181.338,612	1.054,17	153°49'48"	201°04'04"	124,880	0,558
2613	MF	8.243.468,863	181.347,513	1.054,27	154°04'28"	201°18'44"	146,334	0,659
2614	CAL	8.243.468,890	181.347,501	1.054,28	154°04'26"	201°18'42"	146,304	0,659
2615	CAL	8.243.487,480	181.337,266	1.054,36	154°34'03"	201°48'19"	125,114	0,746
2616	PC	8.243.475,416	181.345,046	1.054,34	153°48'31"	201°02'47"	139,363	0,726
2617	LU	8.243.489,638	181.335,690	1.054,30	154°47'59"	202°02'15"	122,489	0,685
2618	AV	8.243.488,638	181.332,718	1.054,17	156°15'38"	203°29'54"	122,169	0,549
2619	AV	8.243.493,692	181.329,700	1.054,24	156°37'09"	203°51'25"	116,330	0,626
2620	AV	8.243.506,196	181.323,972	1.054,15	156°47'03"	204°01'19"	102,580	0,535
2621	PC	8.243.506,114	181.327,634	1.054,42	154°57'01"	202°11'17"	104,153	0,800
2622	PC	8.243.522,866	181.318,048	1.054,35	156°01'27"	203°15'43"	84,932	0,738
2623	PLS	8.243.536,170	181.307,721	1.054,08	159°23'12"	206°37'28"	68,698	0,459
2624	PC	8.243.549,145	181.301,472	1.054,18	160°44'13"	207°58'29"	54,369	0,563
2625	MF	8.243.571,376	181.302,120	1.053,96	147°25'46"	194°40'02"	34,523	0,346
2626	MF	8.243.561,978	181.307,985	1.054,05	147°34'36"	194°48'52"	45,600	0,431
2627	MF	8.243.526,035	181.331,802	1.054,23	147°02'21"	194°16'37"	88,714	0,612
2628	MF	8.243.510,535	181.340,564	1.054,23	147°37'15"	194°51'31"	106,492	0,614
2629	MF	8.243.486,959	181.353,883	1.054,29	148°12'42"	195°26'58"	133,542	0,672
2630	MF	8.243.485,246	181.355,347	1.054,27	148°04'02"	195°18'18"	135,770	0,654
2631	MF	8.243.483,956	181.357,965	1.054,14	147°25'46"	194°40'02"	138,257	0,528
2632	MF	8.243.484,182	181.361,441	1.053,74	146°10'50"	193°25'06"	139,972	0,123
2633	MF	8.243.486,408	181.364,183	1.053,30	144°44'16"	191°58'32"	139,693	-0,316
2634	MF	8.243.492,228	181.364,712	1.053,09	143°07'55"	190°22'11"	135,299	-0,530
2635	MF	8.243.509,053	181.355,564	1.053,00	141°45'54"	189°00'10"	116,383	-0,617
2636	MF	8.243.526,484	181.345,996	1.052,86	139°49'41"	187°03'57"	96,826	-0,757
2637	MF	8.243.542,883	181.337,012	1.052,66	137°07'10"	184°21'26"	78,587	-0,952
2638	MF	8.243.560,403	181.327,459	1.052,47	132°22'16"	179°36'32"	59,453	-1,142
2639	MF	8.243.577,594	181.317,980	1.052,33	123°35'24"	170°49'40"	41,349	-1,285
2640	MF	8.243.594,314	181.308,181	1.052,22	104°01'25"	151°15'41"	25,403	-1,395
2641	MF	8.243.478,461	181.372,303	1.053,10	143°57'44"	191°12'00"	150,883	-0,521
2642	MF	8.243.476,037	181.373,610	1.053,06	144°06'00"	191°20'16"	153,613	-0,560
2643	MF	8.243.468,945	181.360,587	1.054,26	149°38'13"	196°52'29"	152,432	0,645
2644	MF	8.243.471,282	181.359,151	1.054,28	149°39'33"	196°53'49"	149,690	0,662
2645	MF	8.243.479,766	181.379,782	1.053,00	141°25'55"	188°40'11"	154,378	-0,620
2646	CAL	8.243.481,046	181.380,997	1.053,16	140°46'56"	188°01'12"	154,145	-0,453
2647	CAL	8.243.496,228	181.372,757	1.053,06	139°26'22"	186°40'38"	137,211	-0,556
2648	MF	8.243.495,168	181.371,385	1.053,05	140°09'47"	187°24'03"	137,136	-0,565
2649	MF	8.243.515,669	181.360,056	1.052,81	137°56'19"	185°10'35"	114,222	-0,809
2650	MF	8.243.524,235	181.355,835	1.052,64	136°31'04"	183°45'20"	105,066	-0,978
2651	MF	8.243.530,127	181.353,986	1.052,57	134°57'22"	182°11'38"	99,556	-1,044
2652	MF	8.243.538,148	181.352,669	1.052,42	132°02'02"	179°16'18"	93,078	-1,198
2653	MF	8.243.546,810	181.353,752	1.052,21	127°23'14"	174°37'30"	88,373	-1,402
2654	MF	8.243.554,883	181.357,028	1.051,99	121°48'40"	169°02'56"	86,483	-1,626
2655	MF	8.243.561,589	181.361,900	1.051,83	116°23'19"	163°37'35"	87,480	-1,788
2656	MF	8.243.567,812	181.369,903	1.051,60	110°42'47"	157°57'03"	92,336	-2,014
2657	MF	8.243.571,717	181.379,346	1.051,31	106°42'17"	153°56'33"	100,032	-2,309
2658	MF	8.243.572,370	181.389,763	1.051,01	104°49'00"	152°03'16"	109,881	-2,604

Nome	Descrição	Norte	Este	Cota
M11		8.243.600,470	181.283,535	1.053,62

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
2659	MF	8.243.541,923	181.345,806	1.052,71	133°14'05"	180°28'21"	85,472	-0,911
2660	MF	8.243.565,678	181.332,732	1.052,54	125°16'06"	172°30'22"	60,256	-1,079
2661	MF	8.243.590,711	181.318,769	1.052,20	105°28'55"	152°43'11"	36,560	-1,419
2662	MF	8.243.596,733	181.315,096	1.052,14	96°45'10"	143°59'26"	31,781	-1,473
2663	MF	8.243.601,771	181.311,584	1.052,14	87°20'42"	134°34'58"	28,078	-1,477
2664	MF	8.243.604,555	181.309,477	1.052,13	81°03'05"	128°17'21"	26,261	-1,481
2665	MF	8.243.549,333	181.347,115	1.052,57	128°48'36"	176°02'52"	81,592	-1,048
2666	MF	8.243.556,245	181.349,732	1.052,37	123°44'46"	170°59'02"	79,610	-1,242
2667	MF	8.243.564,498	181.355,087	1.052,23	116°41'27"	163°55'43"	80,085	-1,381
2668	MF	8.243.570,960	181.361,628	1.052,00	110°42'02"	157°56'18"	83,483	-1,618
2669	MF	8.243.576,007	181.370,103	1.051,78	105°46'47"	153°01'03"	89,958	-1,837
2670	MF	8.243.579,120	181.380,218	1.051,50	102°27'09"	149°41'25"	99,011	-2,111
2671	MF	8.243.579,278	181.392,313	1.051,14	101°01'28"	148°15'44"	110,822	-2,474
2672	MF	8.243.578,233	181.403,538	1.050,79	100°29'53"	147°44'09"	122,045	-2,823
2673	MF	8.243.590,810	181.404,946	1.050,39	94°32'56"	141°47'12"	121,794	-3,226
2674	BL	8.243.591,318	181.400,351	1.050,36	94°28'46"	141°43'02"	117,174	-3,256
2675	MF	8.243.593,122	181.383,634	1.050,84	94°11'53"	141°26'09"	100,368	-2,779
2676	MF	8.243.595,018	181.366,362	1.051,15	93°45'57"	141°00'13"	83,005	-2,468
2677	MF	8.243.597,675	181.340,962	1.051,51	92°47'12"	140°01'28"	57,495	-2,103
2678	MF	8.243.600,202	181.317,427	1.051,90	90°27'11"	137°41'27"	33,892	-1,716
2679	MF	8.243.600,667	181.316,055	1.051,93	89°39'07"	136°53'23"	32,520	-1,684
2680	MF	8.243.609,246	181.317,195	1.052,00	75°23'09"	122°37'25"	34,785	-1,620
2681	MF	8.243.605,020	181.341,232	1.051,66	85°29'27"	132°43'43"	57,876	-1,960
2682	MF	8.243.602,678	181.362,229	1.051,34	88°23'33"	135°37'49"	78,724	-2,278
2683	MF	8.243.600,626	181.381,588	1.051,00	89°54'31"	137°08'47"	98,053	-2,613
2684	MF	8.243.598,521	181.401,121	1.050,67	90°56'59"	138°11'15"	117,602	-2,943
2685	MF	8.243.597,158	181.413,601	1.050,40	91°27'31"	138°41'47"	130,108	-3,221
2686	MF	8.243.597,812	181.416,250	1.050,33	91°08'50"	138°23'06"	132,742	-3,284
2687	MF	8.243.599,971	181.418,126	1.050,29	90°12'44"	137°27'00"	134,592	-3,330
2688	MF	8.243.606,065	181.419,068	1.049,95	87°38'09"	134°52'25"	135,648	-3,667
2689	MF	8.243.605,723	181.422,442	1.049,89	87°50'03"	135°04'19"	139,006	-3,726
2690	MF	8.243.599,785	181.421,701	1.050,17	90°17'03"	137°31'19"	138,167	-3,449
2691	MF	8.243.597,313	181.422,517	1.050,20	91°18'04"	138°32'20"	139,017	-3,417
2692	MF	8.243.595,859	181.425,764	1.050,15	91°51'24"	139°05'40"	142,303	-3,471
2693	MF	8.243.594,196	181.441,790	1.049,73	92°16'13"	139°30'29"	158,379	-3,887
2694	MF	8.243.592,160	181.460,702	1.049,35	92°41'08"	139°55'24"	177,361	-4,262
2695	MF	8.243.589,927	181.481,108	1.048,89	93°03'16"	140°17'32"	197,853	-4,727
2696	MF	8.243.587,869	181.500,119	1.048,44	93°19'47"	140°34'03"	216,950	-5,180
2697	MF	8.243.585,650	181.521,203	1.047,94	93°34'05"	140°48'21"	238,129	-5,673
2698	E148	8.243.586,755	181.510,531	1.048,21	93°27'27"	140°41'43"	227,410	-5,411
2698	E148	8.243.588,900	181.490,525	1.048,67	93°11'57"	140°26'13"	207,313	-4,941
2699	E147	8.243.591,067	181.470,613	1.049,10	92°52'39"	140°06'55"	187,314	-4,516
2700	E149	8.243.586,792	181.510,507	1.048,20	93°26'55"	140°41'11"	227,384	-5,413
2701	E150	8.243.584,665	181.530,400	1.047,78	93°39'48"	140°54'04"	247,370	-5,836
2702	E11	8.243.557,174	181.533,969	1.047,69	99°48'31"	147°02'47"	254,148	-5,923
2703	E12	8.243.555,009	181.553,951	1.047,03	99°32'35"	146°46'51"	274,210	-6,590
2704	MF	8.243.562,528	181.551,580	1.046,90	98°03'24"	145°17'40"	270,717	-6,712
2705	MF	8.243.562,889	181.548,811	1.047,17	98°03'48"	145°18'04"	267,925	-6,445

Nome	Descrição	Norte	Este	Cota
M11		8.243.600,470	181.283,535	1.053,62

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
2706	MF	8.243.575,192	181.550,060	1.047,18	95°25'04"	142°39'20"	267,721	-6,440
2707	MF	8.243.576,741	181.535,907	1.047,52	95°22'17"	142°36'33"	253,485	-6,100
2708	MF	8.243.574,784	181.538,736	1.047,35	95°44'51"	142°59'07"	256,490	-6,266
2709	MF	8.243.569,897	181.539,035	1.047,33	96°49'25"	144°03'41"	257,322	-6,286
2710	MF	8.243.567,954	181.537,138	1.047,37	97°18'23"	144°32'39"	255,678	-6,246
2711	MF	8.243.567,324	181.533,483	1.047,49	97°33'14"	144°47'30"	252,136	-6,125
2712	BL	8.243.578,393	181.520,426	1.047,68	95°19'27"	142°33'43"	237,917	-5,931
2713	BL	8.243.568,634	181.521,599	1.047,73	97°37'01"	144°51'17"	240,183	-5,882
2714	PVA	8.243.560,365	181.522,516	1.047,99	99°31'35"	146°45'51"	242,322	-5,622
2715	MF	8.243.558,465	181.522,308	1.047,99	99°58'39"	147°12'55"	242,439	-5,627
2716	MF	8.243.580,591	181.499,933	1.048,27	95°14'55"	142°29'11"	217,309	-5,351
2717	MF	8.243.560,462	181.503,303	1.048,46	100°19'03"	147°33'19"	223,379	-5,158
2718	MF	8.243.581,481	181.491,119	1.048,46	95°13'36"	142°27'52"	208,451	-5,155
2719	MF	8.243.570,470	181.504,308	1.048,31	97°44'18"	144°58'34"	222,802	-5,307
2720	BL	8.243.581,631	181.473,799	1.048,75	95°39'17"	142°53'33"	191,194	-4,865
2721	BL	8.243.572,839	181.473,516	1.048,92	98°16'30"	145°30'46"	191,979	-4,699
2722	PVA	8.243.565,289	181.472,856	1.049,25	100°31'37"	147°45'53"	192,562	-4,367
2723	MF	8.243.562,618	181.482,943	1.049,04	100°44'53"	147°59'09"	202,968	-4,576
2724	MF	8.243.561,999	181.480,091	1.049,02	101°04'27"	148°18'43"	200,285	-4,598
2725	MF	8.243.559,837	181.477,872	1.049,20	101°48'35"	149°02'51"	198,539	-4,414
2726	MF	8.243.556,377	181.476,320	1.049,27	102°52'58"	150°07'14"	197,762	-4,345
2727	MF	8.243.554,010	181.476,434	1.049,32	103°32'31"	150°46'47"	198,415	-4,294
2728	MF	8.243.555,641	181.469,214	1.049,40	103°34'24"	150°48'40"	191,014	-4,212
2729	MF	8.243.558,135	181.469,027	1.049,38	102°51'23"	150°05'39"	190,261	-4,233
2730	MF	8.243.561,442	181.467,784	1.049,39	101°57'35"	149°11'51"	188,337	-4,230
2731	MF	8.243.563,749	181.465,399	1.049,45	101°24'55"	148°39'11"	185,534	-4,168
2732	BL	8.243.564,728	181.462,199	1.049,41	101°18'46"	148°33'02"	182,204	-4,208
2733	MF	8.243.581,803	181.462,468	1.049,16	95°57'21"	143°11'37"	179,904	-4,456
2734	MF	8.243.573,689	181.461,899	1.049,37	98°32'21"	145°46'37"	180,363	-4,246
2735	MF	8.243.583,621	181.444,453	1.049,51	95°58'39"	143°12'55"	161,798	-4,102
2736	MF	8.243.574,088	181.442,134	1.049,88	99°26'39"	146°40'55"	160,778	-3,741
2737	MF	8.243.585,409	181.427,543	1.049,94	95°58'14"	143°12'30"	144,793	-3,680
2738	MF	8.243.567,034	181.440,891	1.050,02	101°59'46"	149°14'02"	160,869	-3,595
2739	MF	8.243.586,265	181.419,506	1.050,17	95°57'50"	143°12'06"	136,710	-3,449
2740	MF	8.243.585,723	181.416,586	1.050,28	96°19'29"	143°33'45"	133,865	-3,334
2741	MF	8.243.584,139	181.414,901	1.050,31	97°05'11"	144°19'27"	132,376	-3,301
2742	MF	8.243.581,993	181.414,052	1.050,39	98°03'28"	145°17'44"	131,818	-3,229
2743	MF	8.243.579,684	181.414,345	1.050,42	99°01'44"	146°16'00"	132,450	-3,199
2744	MF	8.243.577,439	181.415,823	1.050,47	99°52'34"	147°06'50"	134,278	-3,142
2745	MF	8.243.576,598	181.418,501	1.050,45	100°01'49"	147°16'05"	137,061	-3,168
2746	MF	8.243.568,959	181.422,078	1.050,42	102°48'49"	150°03'05"	142,081	-3,195
2747	BL	8.243.571,543	181.397,729	1.050,76	104°12'53"	151°27'09"	117,800	-2,858
2748	PVA	8.243.574,014	181.398,145	1.050,94	102°59'53"	150°14'09"	117,623	-2,674

Nome	Descrição	Norte	Este	Cota
G3		8.243.573,007	181.553,263	1.047,09

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
2749	E167	8.243.548,357	181.868,578	1.042,69	94°28'12"	178°39'23"	316,277	-4,395
2750	E166	8.243.550,491	181.848,733	1.042,97	94°21'28"	178°32'39"	296,327	-4,117
2751	E165	8.243.552,644	181.828,840	1.043,25	94°13'34"	178°24'45"	276,328	-3,841
2752	E164	8.243.554,790	181.808,946	1.043,45	94°04'31"	178°15'42"	256,331	-3,636
2753	E163	8.243.556,923	181.789,033	1.043,74	93°54'09"	178°05'20"	236,318	-3,352
2754	E162	8.243.559,081	181.769,192	1.043,98	93°41'24"	177°52'35"	216,378	-3,112
2755	E161	8.243.561,194	181.749,243	1.044,21	93°26'58"	177°38'09"	196,336	-2,876
2756	E160	8.243.563,337	181.729,371	1.044,49	93°08'35"	177°19'46"	176,373	-2,597
2757	E159	8.243.565,441	181.709,511	1.044,75	92°46'20"	176°57'31"	156,431	-2,345
2758	E158	8.243.567,559	181.689,687	1.044,97	92°17'13"	176°28'24"	136,533	-2,124
2759	E157	8.243.569,724	181.669,702	1.045,14	91°36'54"	175°48'05"	116,485	-1,951
2760	E156	8.243.571,865	181.649,758	1.045,44	90°40'40"	174°51'51"	96,501	-1,647
2761	E155	8.243.574,031	181.629,839	1.045,73	89°14'01"	173°25'12"	76,583	-1,362
2762	E154	8.243.576,079	181.609,998	1.046,04	86°54'01"	171°05'12"	56,818	-1,045
2763	E153	8.243.578,171	181.590,065	1.046,39	82°00'46"	166°11'57"	37,163	-0,701
2764	E152	8.243.580,359	181.570,220	1.046,83	66°33'36"	150°44'47"	18,483	-0,263
2765	E151	8.243.582,506	181.550,291	1.047,32	342°37'39"	66°48'50"	9,953	0,230
2766	E13	8.243.552,900	181.573,762	1.046,67	134°26'47"	218°37'58"	28,714	-0,422
2767	E14	8.243.550,860	181.593,731	1.046,40	118°41'29"	202°52'40"	46,132	-0,692
2768	E15	8.243.548,739	181.613,511	1.046,14	111°56'22"	196°07'33"	64,952	-0,953
2769	E16	8.243.546,565	181.633,454	1.046,06	108°14'57"	192°26'08"	84,438	-1,030
2770	E17	8.243.544,454	181.653,351	1.045,59	105°55'20"	190°06'31"	104,081	-1,501
2771	E18	8.243.542,444	181.673,165	1.045,42	104°18'01"	188°29'12"	123,736	-1,666
2772	E19	8.243.540,405	181.693,047	1.045,07	103°07'42"	187°18'53"	143,536	-2,019
2773	E20	8.243.538,203	181.712,838	1.044,60	102°18'14"	186°29'25"	163,326	-2,492
2774	E21	8.243.536,045	181.732,844	1.044,55	101°37'49"	185°49'00"	183,345	-2,541
2775	E22	8.243.534,034	181.752,709	1.044,32	101°03'24"	185°14'35"	203,218	-2,771
2776	E23	8.243.531,892	181.772,598	1.044,07	100°37'01"	184°48'12"	223,156	-3,022
2777	E24	8.243.529,822	181.792,475	1.043,83	100°14'00"	184°25'11"	243,079	-3,261
2778	E25	8.243.527,737	181.812,413	1.043,54	99°54'32"	184°05'43"	263,074	-3,551
2779	E26	8.243.525,664	181.832,281	1.043,32	99°37'48"	183°48'59"	283,006	-3,767
2780	E27	8.243.523,537	181.852,168	1.043,15	99°23'51"	183°35'02"	302,971	-3,941
2781	BL	8.243.529,955	181.862,135	1.042,81	97°56'06"	182°07'17"	311,858	-4,283
2782	BL	8.243.539,616	181.863,303	1.042,49	96°08'49"	180°20'00"	311,833	-4,603
2783	MF	8.243.539,599	181.854,277	1.042,70	96°19'59"	180°31'10"	302,862	-4,391
2784	MF	8.243.531,221	181.847,692	1.043,09	98°04'39"	182°15'50"	297,380	-4,004
2785	MF	8.243.541,550	181.836,623	1.042,89	96°20'05"	180°31'16"	285,101	-4,202
2786	MF	8.243.532,577	181.836,159	1.043,19	98°08'00"	182°19'11"	285,771	-3,900
2787	MF	8.243.543,458	181.819,138	1.043,13	96°20'30"	180°31'41"	267,512	-3,958
2788	MF	8.243.534,244	181.818,615	1.043,41	98°18'40"	182°29'51"	268,169	-3,683
2789	MF	8.243.544,489	181.809,593	1.043,32	96°20'54"	180°32'05"	257,911	-3,774
2790	MF	8.243.543,960	181.806,456	1.043,39	96°32'40"	180°43'51"	254,853	-3,702
2791	MF	8.243.542,594	181.804,809	1.043,33	96°53'38"	181°04'49"	253,378	-3,764
2792	MF	8.243.539,819	181.803,841	1.043,45	97°32'41"	181°43'52"	252,766	-3,637
2793	MF	8.243.538,085	181.804,386	1.043,50	97°55'01"	182°06'12"	253,539	-3,590
2794	MF	8.243.536,464	181.805,578	1.043,52	98°14'27"	182°25'38"	254,947	-3,568
2795	MF	8.243.535,319	181.808,736	1.043,53	98°23'31"	182°34'42"	258,238	-3,560
2796	MF	8.243.537,280	181.790,611	1.043,70	98°33'37"	182°44'48"	240,022	-3,390

Nome	Descrição	Norte	Este	Cota
G3		8.243.573,007	181.553,263	1.047,09

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
2797	MF	8.243.537,000	181.793,495	1.043,69	98°31'27"	182°42'38"	242,915	-3,401
2798	MF	8.243.548,976	181.794,687	1.043,54	95°41'04"	179°52'15"	242,617	-3,554
2799	MF	8.243.542,204	181.769,881	1.043,89	98°05'35"	182°16'46"	218,797	-3,200
2800	MF	8.243.542,105	181.778,584	1.043,73	97°48'33"	181°59'44"	227,431	-3,356
2801	BL	8.243.542,558	181.779,269	1.043,62	97°40'23"	181°51'34"	228,048	-3,471
2802	BL	8.243.549,183	181.780,175	1.043,56	95°59'37"	180°10'48"	228,159	-3,528
2803	MF	8.243.543,297	181.780,276	1.043,70	97°27'22"	181°38'33"	228,949	-3,395
2804	MF	8.243.546,865	181.781,458	1.043,61	96°32'07"	180°43'18"	229,687	-3,477
2805	MF	8.243.550,271	181.779,239	1.043,67	95°44'43"	179°55'54"	227,117	-3,417
2806	MF	8.243.550,777	181.777,534	1.043,72	95°39'39"	179°50'50"	225,370	-3,365
2807	MF	8.243.543,876	181.755,147	1.044,04	98°12'39"	182°23'50"	203,975	-3,052
2808	MF	8.243.553,011	181.756,261	1.043,95	95°37'32"	179°48'43"	203,980	-3,139
2809	MF	8.243.546,331	181.732,578	1.044,36	98°27'42"	182°38'53"	181,289	-2,735
2810	MF	8.243.555,475	181.733,530	1.044,30	95°33'18"	179°44'29"	181,118	-2,790
2811	MF	8.243.536,019	181.733,040	1.044,54	101°37'34"	185°48'45"	183,542	-2,548
2812	MF	8.243.535,794	181.730,623	1.044,54	101°50'59"	186°02'10"	181,222	-2,547
2813	MF	8.243.534,767	181.728,885	1.044,50	102°17'02"	186°28'13"	179,737	-2,586
2814	MF	8.243.532,632	181.727,092	1.044,64	103°04'34"	187°15'45"	178,456	-2,449
2815	MF	8.243.530,208	181.725,772	1.044,70	103°56'01"	188°07'12"	177,739	-2,392
2816	MF	8.243.531,602	181.717,584	1.044,80	104°08'34"	188°19'45"	169,458	-2,287
2817	MF	8.243.533,389	181.717,070	1.044,78	103°35'47"	187°46'58"	168,530	-2,314
2818	MF	8.243.535,248	181.715,885	1.044,76	103°04'19"	187°15'30"	166,948	-2,330
2819	MF	8.243.537,540	181.713,407	1.044,74	102°29'16"	186°40'27"	164,025	-2,350
2820	MF	8.243.538,438	181.711,209	1.044,80	102°20'43"	186°31'54"	161,684	-2,293
2821	MF	8.243.538,852	181.708,204	1.044,84	102°25'53"	186°37'04"	158,661	-2,249
2822	BL	8.243.556,431	181.724,034	1.044,28	95°32'39"	179°43'50"	171,574	-2,810
2823	BL	8.243.546,476	181.723,071	1.044,36	98°52'48"	183°03'59"	171,868	-2,730
2824	MF	8.243.558,499	181.705,336	1.044,63	95°26'58"	179°38'09"	152,763	-2,462
2825	MF	8.243.546,653	181.700,723	1.044,87	100°07'59"	184°19'10"	149,796	-2,221
2826	MF	8.243.561,054	181.681,413	1.044,91	95°19'43"	179°30'54"	128,707	-2,181
2827	MF	8.243.548,799	181.680,025	1.045,07	100°48'42"	184°59'53"	129,053	-2,015
2828	BL	8.243.563,409	181.658,625	1.045,00	95°12'18"	179°23'29"	105,798	-2,089
2829	BL	8.243.551,237	181.657,267	1.045,29	101°49'21"	186°00'32"	106,258	-1,805
2830	MF	8.243.570,016	181.668,794	1.045,19	91°28'58"	175°40'09"	115,570	-1,904
2831	MF	8.243.571,079	181.658,898	1.045,28	91°02'44"	175°13'55"	105,653	-1,809
2832	POR	8.243.579,945	181.659,809	1.045,31	86°16'28"	170°27'39"	106,772	-1,781
2833	POR	8.243.579,951	181.663,084	1.045,29	86°22'55"	170°34'06"	110,041	-1,797
2834	MF	8.243.566,179	181.633,007	1.045,54	94°53'38"	179°04'49"	80,036	-1,555
2835	MF	8.243.553,975	181.631,982	1.045,76	103°35'29"	187°46'40"	80,987	-1,332
2836	MF	8.243.565,885	181.608,637	1.045,87	97°19'44"	181°30'55"	55,830	-1,222
2837	MF	8.243.556,440	181.608,674	1.045,93	106°38'46"	190°49'57"	57,835	-1,161
2838	BL	8.243.567,418	181.594,280	1.045,98	97°45'32"	181°56'43"	41,396	-1,105
2839	BL	8.243.557,810	181.595,947	1.046,13	109°35'52"	193°47'03"	45,308	-0,964
2840	MF	8.243.549,063	181.609,477	1.046,17	113°04'17"	197°15'28"	61,101	-0,916
2841	MF	8.243.548,792	181.606,980	1.046,21	114°15'55"	198°27'06"	58,923	-0,882
2842	MF	8.243.547,630	181.604,583	1.046,23	116°18'43"	200°29'54"	57,251	-0,861
2843	MF	8.243.545,544	181.602,383	1.046,27	119°12'36"	203°23'47"	56,276	-0,815
2844	MF	8.243.541,776	181.600,759	1.046,33	123°19'36"	207°30'47"	56,844	-0,764

Nome	Descrição	Norte	Este	Cota
G3		8.243.573,007	181.553,263	1.047,09

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
2845	MF	8.243.542,498	181.593,745	1.046,35	127°00'10"	211°11'21"	50,691	-0,739
2846	MF	8.243.545,000	181.593,710	1.046,35	124°42'01"	208°53'12"	49,197	-0,739
2847	MF	8.243.547,782	181.593,117	1.046,36	122°19'52"	206°31'03"	47,166	-0,729
2848	MF	8.243.550,336	181.591,899	1.046,43	120°24'13"	204°35'24"	44,797	-0,656
2849	MF	8.243.551,298	181.589,580	1.046,46	120°52'09"	205°03'20"	42,311	-0,625
2850	PVA	8.243.552,912	181.596,763	1.046,35	114°47'41"	198°58'52"	47,917	-0,744
2851	MF	8.243.568,921	181.580,205	1.046,39	98°37'25"	182°48'36"	27,250	-0,704
2852	MF	8.243.559,424	181.580,080	1.046,50	116°51'49"	201°03'00"	30,061	-0,593
2853	MF	8.243.570,198	181.568,068	1.046,70	100°44'35"	184°55'46"	15,069	-0,392
2854	MF	8.243.560,737	181.567,600	1.046,74	130°33'24"	214°44'35"	18,871	-0,348
2855	MF	8.243.561,296	181.564,850	1.046,75	135°18'25"	219°29'36"	16,474	-0,336
2856	MF	8.243.563,362	181.562,774	1.046,72	135°24'02"	219°35'13"	13,545	-0,371
2857	MF	8.243.565,816	181.562,157	1.046,69	128°57'25"	213°08'36"	11,437	-0,403
2858	MF	8.243.568,014	181.563,067	1.046,73	116°59'24"	201°10'35"	11,003	-0,357
2859	MF	8.243.570,226	181.565,809	1.046,72	102°29'47"	186°40'58"	12,851	-0,369
2860	MU	8.243.548,142	181.534,400	1.048,35	217°11'07"	301°22'18"	31,210	1,257
2861	MU	8.243.543,743	181.578,176	1.047,67	139°35'28"	223°46'39"	38,432	0,577
2862	MU	8.243.540,067	181.609,209	1.046,62	120°29'20"	204°40'31"	64,923	-0,466
2863	PVA	8.243.538,810	181.722,473	1.044,67	101°25'32"	185°36'43"	172,631	-2,425
2864	PVE	8.243.546,046	181.656,521	1.045,59	104°38'00"	188°49'11"	106,719	-1,496
2865	MU	8.243.595,366	181.520,005	1.047,63	303°54'46"	28°05'57"	40,076	0,537
2866	MU	8.243.589,939	181.569,693	1.046,82	44°08'19"	128°19'30"	23,593	-0,269

Nome	Descrição	Norte	Este	Cota
G4		8.243.546,899	181.893,173	1.042,43

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
AUX15	A	8.243.453,682	181.966,749	1.042,25	141°42'57"	227°19'25"	118,756	-0,176
2867	E167	8.243.548,368	181.868,627	1.042,70	273°25'28"	359°01'56"	24,590	0,267
2868	E168	8.243.546,191	181.888,602	1.042,47	261°11'22"	346°47'50"	4,625	0,036
2869	E169	8.243.543,975	181.908,337	1.042,37	100°54'51"	186°31'19"	15,444	-0,061
2870	E170	8.243.537,212	181.927,235	1.042,46	105°52'32"	191°29'00"	35,412	0,025
2871	E171	8.243.525,976	181.943,901	1.042,36	112°24'51"	198°01'19"	54,874	-0,066
2872	E172	8.243.510,200	181.956,253	1.042,21	120°11'25"	205°47'53"	72,979	-0,223
2873	E173	8.243.492,779	181.966,123	1.042,06	126°34'16"	212°10'44"	90,833	-0,368
2874	E33	8.243.470,380	181.948,487	1.042,19	144°08'15"	229°44'43"	94,418	-0,239
2875	E32	8.243.488,062	181.939,168	1.042,50	141°59'02"	227°35'30"	74,681	0,072
2876	E31	8.243.504,439	181.927,843	1.042,54	140°46'00"	226°22'28"	54,817	0,113
2877	E30	8.243.515,656	181.911,564	1.042,64	149°31'00"	235°07'28"	36,254	0,207
2878	E29	8.243.519,397	181.891,986	1.042,80	182°28'14"	268°04'42"	27,528	0,367
2879	E28	8.243.521,249	181.871,911	1.043,02	219°39'25"	305°15'53"	33,317	0,589
2880	MF	8.243.520,698	181.869,329	1.043,02	222°18'11"	307°54'39"	35,426	0,588
2881	MF	8.243.519,151	181.866,809	1.043,03	223°32'05"	309°08'33"	38,275	0,602
2882	MF	8.243.516,246	181.864,520	1.043,10	223°04'05"	308°40'33"	41,960	0,670
2883	MF	8.243.512,900	181.863,836	1.043,18	220°47'24"	306°23'52"	44,907	0,745
2884	MF	8.243.509,627	181.863,878	1.043,23	218°10'00"	303°46'28"	47,407	0,800
2885	MF	8.243.508,145	181.865,620	1.043,26	215°24'42"	301°01'10"	47,551	0,829
2886	MF	8.243.507,615	181.870,601	1.043,10	209°52'52"	295°29'20"	45,307	0,674

Nome	Descrição	Norte	Este	Cota
G4		8.243.546,899	181.893,173	1.042,43

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
2887	MF	8.243.493,936	181.869,156	1.043,40	204°23'34"	290°00'02"	58,154	0,969
2888	MF	8.243.496,458	181.854,806	1.043,64	217°15'26"	302°51'54"	63,375	1,209
2889	MF	8.243.513,598	181.856,713	1.043,28	227°35'33"	313°12'01"	49,379	0,852
2890	MF	8.243.516,492	181.856,692	1.043,20	230°11'17"	315°47'45"	47,492	0,774
2891	MF	8.243.519,372	181.855,670	1.043,17	233°43'16"	319°19'44"	46,521	0,737
2892	MF	8.243.521,712	181.853,747	1.043,17	237°25'41"	323°02'09"	46,784	0,742
2893	MF	8.243.523,777	181.849,990	1.043,20	241°49'59"	327°26'27"	48,984	0,765
2894	PVA	8.243.504,145	181.859,509	1.043,46	218°12'59"	303°49'27"	54,416	1,032
2895	PVA	8.243.524,272	181.861,476	1.043,04	234°28'42"	320°05'10"	38,945	0,607
2896	MF	8.243.528,681	181.872,730	1.042,92	228°17'39"	313°54'07"	27,383	0,490
2897	MF	8.243.539,336	181.883,471	1.042,39	232°03'40"	317°40'08"	12,301	-0,035
2898	MF	8.243.528,619	181.887,626	1.042,91	196°52'45"	282°29'13"	19,103	0,481
2899	MF	8.243.536,809	181.906,529	1.042,21	127°04'11"	212°40'39"	16,738	-0,218
2900	MF	8.243.528,580	181.900,507	1.042,92	158°10'50"	243°47'18"	19,733	0,489
2901	BL	8.243.536,496	181.907,782	1.042,10	125°27'16"	211°03'44"	17,934	-0,329
2902	BL	8.243.516,379	181.909,204	1.042,53	152°17'20"	237°53'48"	34,474	0,104
2903	PVA	8.243.522,061	181.902,285	1.042,81	159°51'15"	245°27'43"	26,456	0,382
2904	MF	8.243.533,069	181.918,907	1.042,21	118°15'19"	203°51'47"	29,215	-0,224
2905	MF	8.243.527,844	181.906,720	1.042,92	144°35'24"	230°11'52"	23,380	0,494
2906	MF	8.243.529,343	181.926,878	1.042,17	117°30'47"	203°07'15"	38,003	-0,258
2907	MF	8.243.524,571	181.916,324	1.042,88	133°57'48"	219°34'16"	32,163	0,446
2908	MF	8.243.523,219	181.935,858	1.042,15	119°01'10"	204°37'38"	48,814	-0,277
2909	MF	8.243.520,345	181.924,600	1.042,75	130°11'45"	215°48'13"	41,143	0,318
2910	MF	8.243.516,300	181.943,082	1.042,16	121°30'44"	207°07'12"	58,542	-0,271
2911	MF	8.243.515,761	181.930,955	1.042,78	129°29'35"	215°06'03"	48,960	0,352
2912	BLD	8.243.518,329	181.941,135	1.042,02	120°46'53"	206°23'21"	55,826	-0,408
2913	BL	8.243.499,968	181.931,358	1.042,46	140°52'01"	226°28'29"	60,503	0,026
2914	MF	8.243.511,008	181.935,941	1.042,76	130°00'11"	215°36'39"	55,832	0,328
2915	MF	8.243.509,164	181.948,783	1.042,17	124°09'35"	209°46'03"	67,204	-0,262
2916	MF	8.243.506,156	181.949,817	1.042,16	125°43'35"	211°20'03"	69,775	-0,270
2917	MF	8.243.503,787	181.949,021	1.042,25	127°39'58"	213°16'26"	70,552	-0,181
2918	MF	8.243.502,152	181.946,989	1.042,42	129°44'33"	215°21'01"	69,989	-0,011
2919	MF	8.243.502,032	181.943,929	1.042,58	131°28'32"	217°05'00"	67,744	0,150
2920	MF	8.243.504,552	181.941,019	1.042,69	131°30'41"	217°07'09"	63,895	0,259
2921	MF	8.243.503,038	181.942,295	1.042,66	131°45'42"	217°22'10"	65,854	0,225
2922	MF	8.243.495,331	181.956,365	1.042,25	129°12'58"	214°49'26"	81,563	-0,184
2923	MF	8.243.489,982	181.946,319	1.042,66	136°57'44"	222°34'12"	77,871	0,234
2924	MF	8.243.480,689	181.964,796	1.042,18	132°45'03"	218°21'31"	97,538	-0,250
2925	MF	8.243.475,762	181.953,790	1.042,63	139°33'55"	225°10'23"	93,460	0,197
2926	MF	8.243.467,065	181.957,533	1.042,60	141°07'31"	226°43'59"	102,546	0,168
2927	MF	8.243.470,434	181.970,621	1.042,01	134°38'03"	220°14'31"	108,836	-0,418
2928	MF	8.243.460,952	181.958,611	1.042,50	142°42'56"	228°19'24"	108,023	0,072
2929	MF	8.243.460,436	181.976,336	1.042,02	136°06'53"	221°43'21"	119,966	-0,412
2930	MF	8.243.476,718	181.976,568	1.041,73	130°04'57"	215°41'25"	108,996	-0,699
2931	MF	8.243.470,913	181.995,197	1.041,61	126°40'42"	212°17'10"	127,211	-0,821
2932	BL	8.243.471,475	181.985,570	1.041,55	129°13'30"	214°49'58"	119,273	-0,876
2933	MF	8.243.482,222	181.972,066	1.041,90	129°20'42"	214°57'10"	102,016	-0,529
2934	MF	8.243.499,574	181.962,291	1.042,12	124°23'57"	210°00'25"	83,768	-0,310

Nome	Descrição	Norte	Este	Cota
G4		8.243.546,899	181.893,173	1.042,43

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
2935	MF	8.243.517,369	181.951,561	1.042,29	116°49'41"	202°26'09"	65,431	-0,139
2936	MF	8.243.533,429	181.934,014	1.042,42	108°15'13"	193°51'41"	43,006	-0,005
2937	MF	8.243.541,626	181.916,270	1.042,41	102°51'39"	188°28'07"	23,691	-0,021
2938	MF	8.243.545,373	181.903,779	1.042,38	98°11'18"	183°47'46"	10,715	-0,046
2939	MF	8.243.548,854	181.899,219	1.042,36	72°05'00"	157°41'28"	6,354	-0,066
2940	MF	8.243.551,777	181.897,700	1.042,32	42°51'49"	128°28'17"	6,656	-0,113
2941	MF	8.243.554,865	181.896,842	1.042,31	24°44'00"	110°20'28"	8,770	-0,120
2942	MF	8.243.566,580	181.897,937	1.042,02	13°36'29"	99°12'57"	20,250	-0,411
2943	MF	8.243.567,539	181.890,647	1.041,95	353°01'22"	78°37'50"	20,794	-0,477
2944	MF	8.243.556,272	181.889,445	1.042,25	338°18'36"	63°55'04"	10,087	-0,180
2945	MF	8.243.550,276	181.888,627	1.042,41	306°36'10"	32°12'38"	5,663	-0,017
2946	MF	8.243.548,140	181.887,277	1.042,51	281°53'15"	7°29'43"	6,025	0,081
2947	MF	8.243.546,885	181.884,541	1.042,57	269°54'16"	355°30'44"	8,632	0,141
2948	MF	8.243.547,092	181.880,177	1.042,64	270°51'03"	356°27'31"	12,998	0,213
2949	MU	8.243.524,964	181.810,579	1.043,65	255°07'37"	340°44'05"	85,457	1,219
2950	ALB	8.243.533,161	181.731,390	1.044,90	265°08'47"	350°45'15"	162,366	2,472
2951	ALB	8.243.520,265	181.851,132	1.043,62	237°38'41"	323°15'09"	49,768	1,188
2952	MU	8.243.529,945	181.708,805	1.045,40	264°44'46"	350°21'14"	185,146	2,967

Nome	Descrição	Norte	Este	Cota
AUX15		8.243.453,682	181.966,749	1.042,25

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
2953	E33	8.243.470,282	181.948,577	1.042,38	312°24'41"	350°41'44"	24,613	0,128
2954	E34	8.243.451,162	181.949,674	1.042,41	261°36'10"	299°53'13"	17,260	0,151
2955	MF	8.243.436,621	181.930,916	1.042,77	244°32'22"	282°49'25"	39,688	0,514
2956	MF	8.243.443,784	181.943,432	1.042,60	246°59'53"	285°16'56"	25,331	0,345
2957	MF	8.243.446,608	181.946,643	1.042,55	250°37'03"	288°54'06"	21,315	0,301
2958	MF	8.243.450,830	181.949,641	1.042,41	260°32'05"	298°49'08"	17,345	0,155
2959	MF	8.243.455,903	181.951,142	1.042,37	278°06'00"	316°23'03"	15,765	0,115
2960	MF	8.243.461,969	181.951,429	1.042,36	298°24'33"	336°41'36"	17,418	0,106
2961	PVA	8.243.459,086	181.952,645	1.042,40	290°57'55"	329°14'58"	15,104	0,151
2962	BL	8.243.453,184	181.950,522	1.042,24	268°14'30"	306°31'33"	16,235	-0,013
2963	MF	8.243.454,680	181.958,222	1.042,43	276°40'32"	314°57'35"	8,586	0,179
2964	MF	8.243.449,673	181.956,578	1.042,34	248°29'20"	286°46'23"	10,933	0,089
2965	BL	8.243.471,464	181.985,527	1.041,49	46°33'36"	84°50'39"	25,862	-0,766
2966	MF	8.243.470,475	181.989,726	1.041,65	53°50'19"	92°07'22"	28,460	-0,606
2967	MF	8.243.470,299	181.994,325	1.041,62	58°55'36"	97°12'39"	32,195	-0,638
2968	MF	8.243.478,999	182.010,216	1.041,21	59°46'52"	98°03'55"	50,303	-1,039
2969	BL	8.243.480,038	182.012,003	1.041,08	59°47'00"	98°04'03"	52,369	-1,177
2970	MF	8.243.490,170	182.030,565	1.040,75	60°14'26"	98°31'29"	73,510	-1,503
2971	MF	8.243.485,359	182.056,775	1.040,41	70°36'54"	108°53'57"	95,436	-1,840
2972	MF	8.243.475,347	182.038,584	1.040,86	73°13'01"	111°30'04"	75,030	-1,390
2973	MF	8.243.465,945	182.041,405	1.041,26	80°40'19"	118°57'22"	75,656	-0,991
2974	MF	8.243.466,720	182.019,182	1.041,37	76°02'11"	114°19'14"	54,029	-0,880
2975	BL	8.243.454,474	182.055,729	1.040,80	89°29'24"	127°46'27"	88,983	-1,454
2976	MF	8.243.455,799	182.026,182	1.041,67	87°57'36"	126°14'39"	59,471	-0,585
2977	MF	8.243.441,710	182.032,275	1.041,60	100°21'15"	138°38'18"	66,611	-0,658

Nome	Descrição	Norte	Este	Cota
AUX15		8.243.453,682	181.966,749	1.042,25

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
2978	MF	8.243.434,658	182.019,518	1.041,82	109°49'29"	148°06'32"	56,093	-0,437
2979	MF	8.243.444,360	182.009,145	1.042,05	102°24'04"	140°41'07"	43,409	-0,208
2980	MF	8.243.428,285	182.013,203	1.042,01	118°39'59"	156°57'02"	52,943	-0,242
2981	MF	8.243.418,901	182.009,829	1.042,17	128°54'58"	167°12'01"	55,368	-0,088
2982	MF	8.243.436,202	181.994,169	1.042,34	122°31'03"	160°48'06"	32,517	0,087
2983	MF	8.243.427,657	182.006,931	1.042,25	122°55'49"	161°12'52"	47,874	-0,007
2984	MF	8.243.439,800	181.992,102	1.042,35	118°42'09"	156°59'12"	28,905	0,094
2985	MF	8.243.422,681	182.005,091	1.042,31	128°57'25"	167°14'28"	49,307	0,056
2986	MF	8.243.417,534	182.004,195	1.042,41	133°59'23"	172°16'26"	52,047	0,160
2987	MF	8.243.424,185	182.000,555	1.042,38	131°06'21"	169°23'24"	44,866	0,123
2988	MF	8.243.451,375	181.987,669	1.042,13	96°17'36"	134°34'39"	21,046	-0,125
2989	MF	8.243.409,798	182.000,362	1.042,54	142°33'00"	180°50'03"	55,278	0,286
2990	MF	8.243.420,741	181.994,301	1.042,52	140°05'27"	178°22'30"	42,944	0,262
2991	MF	8.243.458,402	182.000,409	1.041,87	82°01'02"	120°18'05"	33,989	-0,387
2992	MF	8.243.415,996	181.985,612	1.042,61	153°24'41"	191°41'44"	42,143	0,361
2993	MF	8.243.406,229	181.990,903	1.042,77	153°01'25"	191°18'28"	53,247	0,512
2994	MF	8.243.432,692	181.987,803	1.042,48	134°54'45"	173°11'48"	29,729	0,224
2995	MF	8.243.435,339	181.986,413	1.042,43	133°00'34"	171°17'37"	26,891	0,175
2996	MF	8.243.437,975	181.984,119	1.042,39	132°07'22"	170°24'25"	23,418	0,138
2997	MF	8.243.440,857	181.978,597	1.042,42	137°16'02"	175°33'05"	17,460	0,166
2998	MF	8.243.441,654	181.973,563	1.042,43	150°28'12"	188°45'15"	13,823	0,180
2999	MF	8.243.441,433	181.969,382	1.042,44	167°52'15"	206°09'18"	12,529	0,184
3000	MF	8.243.431,841	181.951,967	1.042,69	214°05'27"	252°22'30"	26,373	0,441
3001	MF	8.243.399,176	181.986,461	1.042,86	160°07'04"	198°24'07"	57,961	0,602
3002	MF	8.243.403,085	181.981,165	1.042,80	164°05'50"	202°22'53"	52,610	0,547
3003	MF	8.243.404,996	181.975,251	1.042,69	170°05'43"	208°22'46"	49,423	0,437
3004	BL	8.243.405,087	181.971,881	1.042,68	173°58'18"	212°15'21"	48,866	0,429
3005	MF	8.243.416,976	181.959,113	1.042,96	191°45'06"	230°02'09"	37,492	0,710
3006	MF	8.243.401,308	181.961,386	1.042,83	185°50'48"	224°07'51"	52,648	0,573
3007	MF	8.243.390,979	181.943,305	1.043,06	200°30'02"	238°47'05"	66,943	0,808
3008	MF	8.243.404,418	181.936,281	1.043,25	211°44'09"	250°01'12"	57,925	0,992
3009	MF	8.243.419,082	181.928,514	1.043,08	227°51'27"	266°08'30"	51,566	0,824
3010	MF	8.243.427,993	181.979,391	1.042,65	153°47'52"	192°04'55"	28,631	0,398
3011	MF	8.243.435,519	181.928,767	1.042,79	244°26'34"	282°43'37"	42,102	0,534

Nome	Descrição	Norte	Este	Cota
AUX14		8.243.429,500	181.384,311	1.053,47

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
AUX14A	A	8.243.195,919	181.495,464	1.047,66	154°33'07"	185°04'07"	258,680	-5,803
3012	MF	8.243.464,098	181.352,042	1.054,00	316°59'38"	347°30'38"	47,311	0,536
3013	MF	8.243.447,889	181.360,928	1.053,85	308°10'54"	338°41'54"	29,748	0,384
3014	MF	8.243.447,299	181.359,897	1.053,90	306°05'34"	336°36'34"	30,214	0,429
3015	MF	8.243.445,382	181.360,916	1.053,86	304°10'08"	334°41'08"	28,276	0,394
3016	MF	8.243.445,732	181.361,614	1.053,84	305°34'10"	336°05'10"	27,904	0,378
3017	MF	8.243.445,225	181.362,460	1.053,78	305°44'22"	336°15'22"	26,922	0,317
3018	MF	8.243.455,001	181.368,151	1.054,09	327°38'08"	358°09'08"	30,190	0,619
3019	MF	8.243.458,775	181.367,610	1.054,07	330°17'42"	0°48'42"	33,703	0,605

Nome	Descrição	Norte	Este	Cota
AUX14		8.243.429,500	181.384,311	1.053,47

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
3020	MF	8.243.461,856	181.369,463	1.053,86	335°20'57"	5°51'57"	35,600	0,391
3021	MF	8.243.463,462	181.373,375	1.053,24	342°09'02"	12°40'02"	35,679	-0,226
3022	MF	8.243.462,588	181.376,383	1.052,91	346°31'28"	17°02'28"	34,024	-0,555
3023	MF	8.243.459,917	181.378,922	1.052,81	349°57'06"	20°28'06"	30,890	-0,657
3024	MF	8.243.430,753	181.370,694	1.053,53	275°15'24"	305°46'24"	13,674	0,061
3025	MF	8.243.427,955	181.370,174	1.053,47	263°45'35"	294°16'35"	14,222	0,000
3026	MF	8.243.426,299	181.369,320	1.053,42	257°56'48"	288°27'48"	15,330	-0,042
3027	MF	8.243.425,082	181.367,719	1.053,38	255°05'15"	285°36'15"	17,171	-0,088
3028	MF	8.243.423,439	181.364,929	1.053,52	252°38'05"	283°09'05"	20,308	0,056
3029	MF	8.243.434,253	181.379,540	1.053,67	314°53'06"	345°24'06"	6,735	0,200
3030	BL	8.243.422,112	181.362,631	1.053,44	251°10'53"	281°41'53"	22,905	-0,024
3031	MF	8.243.415,995	181.351,501	1.053,87	247°37'34"	278°08'34"	35,481	0,401
3032	MF	8.243.403,362	181.358,748	1.053,84	224°21'47"	254°52'47"	36,561	0,374
3033	BL	8.243.405,954	181.363,561	1.053,64	221°23'17"	251°54'17"	31,385	0,170
3034	MF	8.243.409,756	181.370,647	1.053,59	214°41'10"	245°12'10"	24,012	0,127
3035	MF	8.243.413,956	181.368,111	1.053,62	226°11'03"	256°42'03"	22,451	0,150
3036	MF	8.243.415,987	181.367,932	1.053,62	230°28'35"	260°59'35"	21,234	0,156
3037	MF	8.243.417,563	181.369,370	1.053,57	231°22'32"	261°53'32"	19,124	0,102
3038	MF	8.243.418,566	181.371,154	1.053,50	230°16'12"	260°47'12"	17,108	0,032
3039	MF	8.243.419,084	181.373,530	1.053,45	225°59'01"	256°30'01"	14,991	-0,017
3040	MF	8.243.418,528	181.375,791	1.053,38	217°49'52"	248°20'52"	13,893	-0,082
3041	MF	8.243.415,994	181.378,748	1.053,23	202°23'10"	232°54'10"	14,607	-0,239
3042	BL	8.243.442,241	181.388,585	1.052,15	18°32'31"	49°03'31"	13,438	-1,320
3043	MF	8.243.443,939	181.399,196	1.052,30	45°52'15"	76°23'15"	20,737	-1,169
3044	MF	8.243.400,338	181.387,463	1.052,64	173°49'51"	204°20'51"	29,332	-0,827
3045	MF	8.243.405,137	181.395,486	1.052,79	155°21'38"	185°52'38"	26,803	-0,680
3046	MF	8.243.421,229	181.400,072	1.051,56	117°41'22"	148°12'22"	17,799	-1,905
3047	MF	8.243.427,210	181.410,628	1.051,72	94°58'24"	125°29'24"	26,416	-1,744
3048	MF	8.243.417,549	181.417,073	1.051,36	110°02'30"	140°33'30"	34,873	-2,111
3049	MF	8.243.401,404	181.414,195	1.050,83	133°14'03"	163°45'03"	41,017	-2,636
3050	MF	8.243.389,966	181.403,801	1.052,18	153°45'25"	184°16'25"	44,077	-1,284
3051	MF	8.243.387,315	181.394,838	1.052,11	165°59'18"	196°30'18"	43,479	-1,352
3052	BL	8.243.403,490	181.424,871	1.050,82	122°40'19"	153°11'19"	48,183	-2,648
3053	MF	8.243.395,337	181.429,213	1.050,63	127°15'55"	157°46'55"	56,421	-2,838
3054	MF	8.243.393,779	181.431,258	1.050,45	127°16'03"	157°47'03"	58,992	-3,012
3055	MF	8.243.393,717	181.434,061	1.050,58	125°43'35"	156°14'35"	61,282	-2,884
3056	MF	8.243.384,159	181.437,763	1.050,04	130°18'24"	160°49'24"	70,092	-3,425
3057	MF	8.243.383,339	181.436,669	1.050,09	131°24'05"	161°55'05"	69,801	-3,381
3058	MF	8.243.381,774	181.436,595	1.050,08	132°23'27"	162°54'27"	70,792	-3,386
3059	BL	8.243.379,692	181.426,206	1.049,88	139°55'56"	170°26'56"	65,085	-3,588
3060	MF	8.243.370,262	181.404,231	1.051,49	161°24'50"	191°55'50"	62,498	-1,977
3061	MF	8.243.367,869	181.404,433	1.051,41	161°55'09"	192°26'09"	64,833	-2,057
3062	MF	8.243.364,459	181.402,386	1.051,42	164°28'11"	194°59'11"	67,507	-2,048
3063	MF	8.243.362,184	181.399,128	1.051,51	167°35'13"	198°06'13"	68,928	-1,954
3064	MF	8.243.361,535	181.397,549	1.051,58	168°58'43"	199°29'43"	69,243	-1,892
3065	MF	8.243.367,626	181.393,443	1.052,21	171°36'17"	202°07'17"	62,545	-1,257
3066	MF	8.243.346,386	181.400,591	1.051,32	168°55'03"	199°26'03"	84,693	-2,150
3067	MF	8.243.348,360	181.403,672	1.051,40	166°34'47"	197°05'47"	83,418	-2,063

Nome	Descrição	Norte	Este	Cota
AUX14		8.243.429,500	181.384,311	1.053,47

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
3068	MF	8.243.352,355	181.401,398	1.051,30	167°30'40"	198°01'40"	79,015	-2,164
3069	MF	8.243.354,635	181.401,014	1.051,27	167°25'22"	197°56'22"	76,706	-2,200
3070	MF	8.243.356,759	181.404,324	1.051,22	164°37'02"	195°08'02"	75,444	-2,244
3071	MF	8.243.357,777	181.408,540	1.051,10	161°20'04"	191°51'04"	75,705	-2,367
3072	MF	8.243.356,501	181.411,800	1.051,02	159°21'56"	189°52'56"	78,004	-2,447
3073	MF	8.243.366,378	181.416,719	1.051,26	152°49'25"	183°20'25"	70,956	-2,206
3074	MF	8.243.363,908	181.446,254	1.049,26	136°38'22"	167°09'22"	90,218	-4,205
3075	MF	8.243.356,407	181.439,021	1.048,98	143°11'08"	173°42'08"	91,300	-4,488
3076	MF	8.243.345,284	181.428,323	1.050,53	152°24'29"	182°55'29"	95,023	-2,937
3077	MF	8.243.339,330	181.420,996	1.050,43	157°51'41"	188°22'41"	97,347	-3,036
3078	MF	8.243.341,305	181.455,653	1.048,40	141°01'49"	171°32'49"	113,437	-5,062
3079	MF	8.243.325,387	181.439,303	1.049,83	152°09'27"	182°40'27"	117,744	-3,635
3080	MF	8.243.321,294	181.430,808	1.049,71	156°44'48"	187°15'48"	117,773	-3,759
3081	MF	8.243.332,218	181.452,056	1.048,15	145°08'52"	175°39'52"	118,546	-5,316
3082	MF	8.243.312,453	181.446,568	1.049,40	151°59'30"	182°30'30"	132,574	-4,069
3083	MF	8.243.311,574	181.436,217	1.049,35	156°14'35"	186°45'35"	128,845	-4,115
3084	MF	8.243.305,337	181.437,137	1.049,10	156°57'09"	187°28'09"	134,934	-4,366
3085	MF	8.243.302,763	181.435,590	1.049,00	157°58'17"	188°29'17"	136,718	-4,471
3086	MF	8.243.301,432	181.433,318	1.048,95	159°03'37"	189°34'37"	137,125	-4,518
3087	MF	8.243.291,215	181.441,667	1.048,38	157°28'23"	187°59'23"	149,708	-5,089
3088	MF	8.243.289,349	181.438,079	1.048,44	159°00'40"	189°31'40"	150,111	-5,026
3089	MF	8.243.294,717	181.437,096	1.048,61	158°36'48"	189°07'48"	144,751	-4,858
3090	MF	8.243.296,760	181.439,619	1.048,66	157°22'50"	187°53'50"	143,802	-4,803
3091	MF	8.243.296,798	181.443,404	1.048,76	155°59'47"	186°30'47"	145,265	-4,707
3092	MF	8.243.294,431	181.446,048	1.048,75	155°26'10"	185°57'10"	148,509	-4,721
3093	MF	8.243.278,277	181.448,646	1.048,11	156°57'13"	187°28'13"	164,339	-5,353
3094	MF	8.243.279,813	181.454,103	1.048,28	155°00'10"	185°31'10"	165,158	-5,187
3095	MF	8.243.284,946	181.464,758	1.048,33	150°54'12"	181°25'12"	165,432	-5,141
3096	MF	8.243.319,564	181.467,202	1.047,58	142°59'03"	173°30'03"	137,684	-5,887
3097	MF	8.243.268,254	181.474,449	1.047,85	150°47'41"	181°18'41"	184,730	-5,612
3098	BL	8.243.313,184	181.462,594	1.047,46	146°03'32"	176°34'32"	140,206	-6,008
3099	MF	8.243.262,041	181.463,796	1.047,79	154°36'31"	185°07'31"	185,366	-5,679
3100	MF	8.243.302,706	181.476,442	1.047,29	143°59'50"	174°30'50"	156,732	-6,172
3101	MF	8.243.299,496	181.479,331	1.047,26	143°50'13"	174°21'13"	161,028	-6,205
3102	MF	8.243.302,069	181.480,620	1.047,20	142°55'09"	173°26'09"	159,731	-6,271
3103	MF	8.243.309,709	181.483,913	1.047,09	140°15'28"	170°46'28"	155,790	-6,376
3104	MF	8.243.306,594	181.488,706	1.047,06	139°39'21"	170°10'21"	161,258	-6,402
3105	MF	8.243.304,678	181.487,041	1.047,07	140°32'43"	171°03'43"	161,660	-6,394
3106	MF	8.243.301,631	181.486,280	1.047,14	141°25'46"	171°56'46"	163,549	-6,331
3107	MF	8.243.298,476	181.487,234	1.047,23	141°50'58"	172°21'58"	166,615	-6,233
3108	MF	8.243.300,514	181.491,139	1.047,29	140°22'05"	170°53'05"	167,480	-6,173
3109	MF	8.243.296,183	181.493,628	1.047,29	140°38'57"	171°09'57"	172,406	-6,178
3110	MF	8.243.245,127	181.466,825	1.048,38	155°53'23"	186°24'23"	201,995	-5,084
3111	MF	8.243.241,619	181.461,203	1.047,68	157°44'34"	188°15'34"	203,007	-5,791
3112	MF	8.243.235,271	181.463,339	1.047,68	157°51'35"	188°22'35"	209,692	-5,788
3113	BL	8.243.230,310	181.462,950	1.047,54	158°27'23"	188°58'23"	214,152	-5,930
3114	BL	8.243.282,541	181.479,419	1.047,10	147°05'25"	177°36'25"	175,050	-6,369
3115	MF	8.243.227,319	181.462,076	1.047,35	158°57'43"	189°28'43"	216,621	-6,119

Nome	Descrição	Norte	Este	Cota
AUX14		8.243.429,500	181.384,311	1.053,47

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
3116	MF	8.243.242,233	181.489,253	1.047,33	150°44'04"	181°15'04"	214,667	-6,140
3117	MF	8.243.241,092	181.492,213	1.047,27	150°12'01"	180°43'01"	217,119	-6,195
3118	MF	8.243.245,736	181.498,178	1.047,14	148°12'59"	178°43'59"	216,183	-6,325
3119	MF	8.243.249,640	181.497,476	1.047,15	147°49'22"	178°20'22"	212,499	-6,320
3120	BL	8.243.258,362	181.492,740	1.047,03	147°38'34"	178°09'34"	202,596	-6,438
3121	MF	8.243.260,788	181.512,561	1.047,28	142°45'33"	173°16'33"	211,924	-6,190
3122	MF	8.243.257,984	181.508,120	1.047,20	144°10'35"	174°41'35"	211,534	-6,268
3123	MF	8.243.248,835	181.513,508	1.047,21	144°25'51"	174°56'51"	222,108	-6,259
3124	MF	8.243.246,931	181.515,984	1.047,22	144°12'00"	174°43'00"	225,098	-6,249
3125	MF	8.243.246,949	181.521,524	1.047,23	143°04'12"	173°35'12"	228,369	-6,232
3126	MF	8.243.251,803	181.519,792	1.047,31	142°40'38"	173°11'38"	223,454	-6,160
3127	MF	8.243.239,019	181.527,602	1.047,30	143°02'51"	173°33'51"	238,359	-6,168
3128	MF	8.243.242,598	181.524,611	1.047,27	143°06'22"	173°37'22"	233,702	-6,196
3129	MF	8.243.241,344	181.520,841	1.047,19	144°02'05"	174°33'05"	232,472	-6,279
3130	MF	8.243.241,478	181.516,541	1.047,12	144°52'57"	175°23'57"	229,863	-6,342
3131	MF	8.243.244,154	181.510,958	1.047,09	145°39'19"	176°10'19"	224,483	-6,382
3132	MF	8.243.252,851	181.505,571	1.047,15	145°31'57"	176°02'57"	214,264	-6,313
3133	MF	8.243.252,873	181.504,536	1.047,18	145°45'29"	176°16'29"	213,661	-6,285
3134	MF	8.243.251,843	181.504,253	1.047,16	145°58'32"	176°29'32"	214,355	-6,305
3135	MF	8.243.240,896	181.510,377	1.046,99	146°14'27"	176°45'27"	226,857	-6,478
3136	MF	8.243.231,289	181.515,579	1.047,10	146°29'06"	177°00'06"	237,738	-6,371
3137	BF	8.243.225,235	181.521,180	1.046,74	146°10'33"	176°41'33"	245,880	-6,722
3138	MF	8.243.221,700	181.527,576	1.046,84	145°24'59"	175°55'59"	252,400	-6,629
3139	MF	8.243.220,174	181.535,805	1.046,87	144°06'22"	174°37'22"	258,395	-6,594
3140	MF	8.243.213,983	181.525,974	1.047,01	146°40'57"	177°11'57"	257,907	-6,458
3141	MF	8.243.217,274	181.519,622	1.047,10	147°28'46"	177°59'46"	251,692	-6,372
3142	MF	8.243.223,917	181.511,870	1.047,15	148°10'54"	178°41'54"	241,942	-6,314
3143	MF	8.243.235,492	181.504,997	1.047,14	148°06'57"	178°37'57"	228,482	-6,329
3144	MF	8.243.228,665	181.492,595	1.047,33	151°40'05"	182°11'05"	228,167	-6,137
3145	MF	8.243.217,993	181.498,349	1.047,40	151°40'05"	182°11'05"	240,292	-6,069
3146	MF	8.243.203,028	181.506,505	1.047,43	151°39'03"	182°10'03"	257,334	-6,039
3147	MF	8.243.207,194	181.514,011	1.047,28	149°44'22"	180°15'22"	257,375	-6,191
3148	MF	8.243.199,518	181.500,155	1.047,51	153°15'55"	183°46'55"	257,510	-5,954
3149	MF	8.243.204,170	181.497,549	1.047,47	153°19'07"	183°50'07"	252,184	-5,995
3150	MF	8.243.196,592	181.494,800	1.047,64	154°37'15"	185°08'15"	257,787	-5,823
3151	MF	8.243.247,925	181.471,505	1.047,64	154°20'58"	184°51'58"	201,426	-5,823
3152	MF	8.243.248,791	181.472,944	1.047,54	153°52'24"	184°23'24"	201,275	-5,931
3153	MF	8.243.238,873	181.478,428	1.047,42	153°43'25"	184°14'25"	212,596	-6,044
3154	MF	8.243.231,601	181.476,644	1.047,44	154°59'17"	185°30'17"	218,380	-6,022
3155	MF	8.243.222,093	181.470,893	1.047,52	157°20'31"	187°51'31"	224,754	-5,950
3156	BL	8.243.222,129	181.470,881	1.047,52	157°20'29"	187°51'29"	224,716	-5,948
3157	BL	8.243.224,512	181.481,523	1.047,39	154°37'42"	185°08'42"	226,870	-6,076
3158	MF	8.243.227,927	181.484,335	1.047,29	153°36'31"	184°07'31"	225,026	-6,176
3159	BL	8.243.224,875	181.486,233	1.047,30	153°31'21"	184°02'21"	228,604	-6,171
3160	MF	8.243.219,225	181.489,357	1.047,45	153°27'18"	183°58'18"	235,054	-6,021
3161	MF	8.243.209,894	181.491,373	1.047,47	154°00'36"	184°31'36"	244,313	-5,999
3162	MF	8.243.203,513	181.490,186	1.047,47	154°53'49"	185°24'49"	249,559	-5,993

Nome	Descrição	Norte	Este	Cota
AUX14A		8.243.195,919	181.495,464	1.047,66

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
3163	MF	8.243.212,545	181.472,474	1.047,69	305°52'26"	331°19'19"	28,373	0,023
3164	MF	8.243.218,001	181.467,848	1.047,56	308°38'49"	334°05'42"	35,359	-0,104
3165	MF	8.243.195,545	181.459,774	1.047,95	269°24'00"	294°50'53"	35,693	0,289
3166	MF	8.243.205,372	181.458,492	1.047,73	284°20'33"	309°47'26"	38,161	0,065
3167	MF	8.243.199,675	181.454,133	1.047,84	275°11'35"	300°38'28"	41,502	0,180
3168	MF	8.243.199,308	181.452,091	1.047,87	274°28'06"	299°54'59"	43,506	0,206
3169	MF	8.243.200,675	181.450,527	1.047,88	276°02'31"	301°29'24"	45,188	0,217
3170	MF	8.243.175,391	181.444,909	1.048,78	247°54'02"	273°20'55"	54,564	1,115
3171	MF	8.243.178,607	181.461,294	1.048,17	243°07'53"	268°34'46"	38,305	0,505
3172	MF	8.243.187,226	181.471,240	1.047,86	250°15'33"	275°42'26"	25,737	0,197
3173	BLT	8.243.194,011	181.483,246	1.047,56	261°07'37"	286°34'30"	12,367	-0,105
3174	MF	8.243.194,857	181.484,703	1.047,62	264°21'53"	289°48'46"	10,813	-0,039
3175	MF	8.243.197,895	181.487,412	1.047,55	283°47'19"	309°14'12"	8,292	-0,110
3176	MF	8.243.200,826	181.489,166	1.047,51	307°55'19"	333°22'12"	7,985	-0,156
3177	MF	8.243.206,891	181.446,969	1.047,90	282°44'57"	308°11'50"	49,721	0,235
3178	MF	8.243.212,592	181.444,094	1.047,96	287°58'57"	313°25'50"	54,008	0,299
3179	MF	8.243.218,569	181.454,480	1.047,76	298°55'40"	324°22'33"	46,827	0,100
3180	MF	8.243.221,313	181.457,997	1.047,69	304°07'40"	329°34'33"	45,262	0,029
3181	MF	8.243.204,882	181.440,002	1.048,05	279°10'50"	304°37'43"	56,182	0,383
3182	MF	8.243.197,518	181.426,802	1.048,43	271°20'04"	296°46'57"	68,681	0,762
3183	MF	8.243.192,945	181.447,132	1.048,13	266°28'44"	291°55'37"	48,423	0,468
3184	MF	8.243.190,276	181.447,114	1.048,29	263°20'37"	288°47'30"	48,679	0,626
3185	MF	8.243.181,620	181.440,981	1.049,10	255°17'41"	280°44'34"	56,329	1,439
3186	MF	8.243.187,860	181.506,445	1.047,72	126°16'29"	151°43'22"	13,620	0,053
3187	MF	8.243.180,787	181.512,122	1.047,77	132°15'01"	157°41'54"	22,505	0,108
3188	MF	8.243.176,152	181.520,123	1.047,74	128°42'56"	154°09'49"	31,603	0,078
3189	MF	8.243.178,433	181.489,375	1.048,02	199°11'55"	224°38'48"	18,516	0,355
3190	MF	8.243.163,522	181.496,859	1.048,08	177°32'07"	202°59'00"	32,426	0,417
3191	MF	8.243.168,547	181.471,263	1.048,36	221°28'58"	246°55'51"	36,536	0,700
3192	MF	8.243.152,674	181.476,912	1.048,43	203°13'12"	228°40'05"	47,056	0,762
3193	MF	8.243.159,779	181.455,387	1.048,69	227°57'27"	253°24'20"	53,965	1,029
3194	MF	8.243.143,710	181.460,678	1.048,72	213°40'32"	239°07'25"	62,736	1,060
3195	MF	8.243.146,635	181.431,368	1.049,13	232°26'36"	257°53'29"	80,853	1,467
3196	MF	8.243.130,162	181.436,044	1.049,19	222°06'08"	247°33'01"	88,627	1,527
3197	MF	8.243.131,386	181.403,555	1.049,71	234°55'34"	260°22'27"	112,302	2,046
3198	BAS	8.243.173,989	181.459,235	1.048,37	238°48'47"	264°15'40"	42,349	0,708
3199	BAS	8.243.164,558	181.442,177	1.048,66	239°31'20"	264°58'13"	61,831	0,999
3200	BAS	8.243.153,928	181.422,722	1.049,02	240°00'14"	265°27'07"	83,992	1,355
3201	BAS	8.243.144,651	181.405,904	1.049,37	240°12'42"	265°39'35"	103,196	1,707
3202	BAS	8.243.135,691	181.389,483	1.049,68	240°23'28"	265°50'21"	121,899	2,016
3203	MF	8.243.191,361	181.512,795	1.047,61	104°44'02"	130°10'55"	17,920	-0,053
3204	MF	8.243.186,840	181.515,953	1.047,62	113°53'51"	139°20'44"	22,409	-0,046
3205	MF	8.243.184,316	181.519,258	1.047,63	115°59'43"	141°26'36"	26,472	-0,032
3206	MF	8.243.182,376	181.523,981	1.047,59	115°24'14"	140°51'07"	31,569	-0,070
3207	MF	8.243.182,189	181.529,374	1.047,55	112°02'32"	137°29'25"	36,584	-0,112
3208	MF	8.243.182,905	181.532,314	1.047,51	109°27'05"	134°53'58"	39,080	-0,158
3209	MF	8.243.190,218	181.545,719	1.047,32	96°28'17"	121°55'10"	50,577	-0,342
3210	MF	8.243.206,841	181.576,066	1.046,96	82°16'59"	107°43'52"	81,338	-0,708

Nome	Descrição	Norte	Este	Cota
AUX14A		8.243.195,919	181.495,464	1.047,66

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
3211	MF	8.243.217,417	181.595,299	1.046,77	77°50'51"	103°17'44"	102,123	-0,889
3212	MF	8.243.226,841	181.612,463	1.046,59	75°11'44"	100°38'37"	121,016	-1,075
3213	MF	8.243.236,669	181.630,478	1.046,41	73°12'18"	98°39'11"	141,029	-1,258
3214	MF	8.243.221,242	181.630,309	1.046,17	79°21'50"	104°48'43"	137,201	-1,492
3215	MF	8.243.212,261	181.613,865	1.046,29	82°08'29"	107°35'22"	119,523	-1,375
3216	MF	8.243.199,235	181.590,085	1.046,58	87°59'34"	113°26'27"	94,679	-1,085
3217	MF	8.243.187,718	181.569,445	1.046,86	96°19'32"	121°46'25"	74,434	-0,803
3218	MF	8.243.178,582	181.553,520	1.047,13	106°37'38"	132°04'31"	60,589	-0,537
3219	MF	8.243.168,642	181.535,709	1.047,35	124°07'41"	149°34'34"	48,617	-0,310
3220	MF	8.243.157,033	181.515,169	1.047,72	153°07'39"	178°34'32"	43,593	0,059
3221	MF	8.243.149,961	181.502,034	1.047,89	171°51'52"	197°18'45"	46,425	0,226
3222	MF	8.243.139,286	181.482,614	1.048,19	192°47'04"	218°13'57"	58,072	0,522
3223	MF	8.243.133,644	181.472,215	1.048,32	200°28'21"	225°55'14"	66,473	0,661
3224	MF	8.243.122,379	181.462,770	1.048,03	203°58'09"	229°25'02"	80,479	0,363
3225	MF	8.243.128,681	181.466,816	1.048,28	203°04'41"	228°31'34"	73,086	0,620
3226	MF	8.243.113,464	181.460,556	1.047,76	202°56'47"	228°23'40"	89,540	0,093
3227	MF	8.243.110,849	181.452,019	1.048,64	207°03'13"	232°30'06"	95,521	0,974
3228	MF	8.243.111,848	181.451,828	1.048,24	207°25'52"	232°52'45"	94,720	0,572
3229	MF	8.243.116,244	181.451,595	1.048,38	208°50'14"	234°17'07"	90,954	0,715
3230	MF	8.243.123,925	181.454,260	1.048,60	209°47'03"	235°13'56"	82,951	0,932
3231	MF	8.243.116,356	181.439,999	1.048,87	214°52'54"	240°19'47"	96,988	1,205
3232	MF	8.243.115,148	181.446,172	1.048,83	211°23'41"	236°50'34"	94,623	1,169
3233	MF	8.243.115,181	181.446,208	1.048,72	211°23'11"	236°50'04"	94,576	1,057
3234	MF	8.243.100,690	181.450,358	1.047,92	205°20'43"	230°47'36"	105,371	0,258
3235	MF	8.243.105,980	181.440,903	1.048,12	211°14'35"	236°41'28"	105,195	0,460
3236	MF	8.243.107,590	181.429,445	1.049,76	216°46'32"	242°13'25"	110,275	2,099
3237	MF	8.243.103,751	181.417,388	1.049,31	220°16'07"	245°43'00"	120,792	1,649
3238	MF	8.243.096,633	181.405,024	1.049,46	222°19'51"	247°46'44"	134,303	1,797
3239	MF	8.243.225,247	181.546,698	1.046,69	60°12'40"	85°39'33"	59,035	-0,973
3240	MF	8.243.230,703	181.556,448	1.046,59	60°17'59"	85°44'52"	70,206	-1,071
3241	MF	8.243.232,188	181.558,197	1.046,60	59°57'57"	85°24'50"	72,463	-1,065
3242	MF	8.243.234,772	181.559,406	1.046,54	58°42'56"	84°09'49"	74,821	-1,127
3243	MF	8.243.251,446	181.564,608	1.046,66	51°13'58"	76°40'51"	88,680	-1,005
3244	MF	8.243.200,550	181.529,577	1.047,28	82°16'09"	107°43'02"	34,426	-0,384
3245	MF	8.243.256,284	181.565,383	1.046,67	49°11'38"	74°38'31"	92,373	-0,990
3246	MF	8.243.265,458	181.560,408	1.046,77	43°02'35"	68°29'28"	95,150	-0,894
3247	MF	8.243.210,255	181.547,344	1.046,98	74°33'09"	100°00'02"	53,824	-0,683
3248	MF	8.243.246,676	181.585,709	1.046,20	60°38'41"	86°05'34"	103,539	-1,459
3249	MF	8.243.256,953	181.588,226	1.046,97	56°39'22"	82°06'15"	111,040	-0,695
3250	MF	8.243.252,099	181.596,046	1.045,98	60°48'52"	86°15'45"	115,208	-1,682
3251	MF	8.243.257,997	181.606,701	1.045,88	60°50'07"	86°17'00"	127,387	-1,780
3252	MF	8.243.261,903	181.596,965	1.046,95	56°58'22"	82°25'15"	121,063	-0,716
3253	MF	8.243.260,007	181.601,627	1.046,74	58°52'54"	84°19'47"	124,007	-0,928
3254	MF	8.243.219,974	181.565,075	1.046,75	70°56'10"	96°23'03"	73,650	-0,911
3255	MF	8.243.230,568	181.584,391	1.046,51	68°42'43"	94°09'36"	95,439	-1,152
3256	MF	8.243.239,864	181.601,288	1.046,27	67°26'55"	92°53'48"	114,586	-1,390
3257	MF	8.243.285,713	181.616,646	1.046,50	53°27'43"	78°54'36"	150,825	-1,163
3258	MF	8.243.282,047	181.627,316	1.046,07	56°50'47"	82°17'40"	157,489	-1,598

Nome	Descrição	Norte	Este	Cota
AUX14A		8.243.195,919	181.495,464	1.047,66

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
3259	MF	8.243.280,301	181.632,662	1.046,13	58°24'24"	83°51'17"	161,070	-1,536
3260	MF	8.243.280,212	181.638,086	1.045,62	59°24'56"	84°51'49"	165,669	-2,039
3261	MF	8.243.281,721	181.648,844	1.045,49	60°46'37"	86°13'30"	175,748	-2,178
3262	MF	8.243.248,510	181.617,201	1.046,11	66°38'07"	92°05'00"	132,611	-1,552
3263	BL	8.243.282,740	181.649,858	1.045,37	60°38'57"	86°05'50"	177,131	-2,292
3264	MF	8.243.283,194	181.651,661	1.045,48	60°48'20"	86°15'13"	178,926	-2,179
3265	MF	8.243.294,570	181.672,888	1.045,36	60°55'30"	86°22'23"	203,006	-2,300
3266	MF	8.243.255,972	181.631,024	1.045,91	66°06'24"	91°33'17"	148,266	-1,750
3267	MF	8.243.264,806	181.649,301	1.045,77	65°52'38"	91°19'31"	168,556	-1,897
3268	MF	8.243.273,769	181.667,850	1.045,63	65°41'45"	91°08'38"	189,149	-2,036
3269	MF	8.243.283,133	181.687,130	1.045,52	65°31'58"	90°58'51"	210,576	-2,148

Nome	Descrição	Norte	Este	Cota
AUX12		8.243.608,227	180.432,667	1.070,04

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
3270	MF	8.243.608,475	180.398,121	1.071,09	270°24'38"	199°59'15"	34,547	1,054
3271	MF	8.243.608,602	180.394,975	1.071,12	270°34'09"	200°08'46"	37,694	1,078
3272	MF	8.243.611,299	180.393,380	1.071,08	274°28'15"	204°02'52"	39,406	1,042
3273	MF	8.243.613,428	180.393,456	1.071,01	277°33'21"	207°07'58"	39,554	0,971
3274	MF	8.243.613,919	180.394,118	1.070,98	278°23'54"	207°58'31"	38,967	0,942
3275	MF	8.243.604,721	180.385,872	1.071,48	265°42'54"	195°17'31"	46,926	1,444
3276	MF	8.243.606,670	180.387,030	1.071,35	268°02'45"	197°37'22"	45,664	1,308
3277	MF	8.243.610,179	180.385,821	1.071,30	272°23'08"	201°57'45"	46,887	1,259
3278	MF	8.243.610,600	180.382,350	1.071,43	272°42'01"	202°16'38"	50,373	1,389
3279	MF	8.243.607,407	180.371,637	1.071,97	269°13'46"	198°48'23"	61,035	1,937
3280	MF	8.243.617,232	180.368,286	1.071,84	277°57'43"	207°32'20"	65,007	1,805
3281	MF	8.243.623,825	180.367,565	1.071,86	283°28'25"	213°03'02"	66,944	1,822
3282	MF	8.243.622,090	180.385,019	1.071,08	286°13'20"	215°47'57"	49,623	1,038
3283	MF	8.243.630,621	180.383,136	1.071,17	294°19'43"	223°54'20"	54,358	1,130
3284	MF	8.243.626,728	180.400,715	1.070,36	300°04'17"	229°38'54"	36,922	0,323
3285	MF	8.243.640,446	180.399,430	1.070,42	314°06'32"	243°41'09"	46,290	0,380
3286	MF	8.243.630,083	180.412,176	1.069,95	316°50'48"	246°25'25"	29,959	-0,086
3287	MF	8.243.648,167	180.409,875	1.069,96	330°17'20"	259°51'57"	45,985	-0,077
3288	MF	8.243.620,631	180.416,871	1.070,16	308°08'30"	237°43'07"	20,084	0,125
3289	MF	8.243.657,120	180.419,520	1.069,53	344°56'57"	274°31'34"	50,629	-0,508
3290	MF	8.243.650,183	180.421,259	1.069,42	344°47'21"	274°21'58"	43,479	-0,618
3291	MF	8.243.642,685	180.425,675	1.069,32	348°31'48"	278°06'25"	35,159	-0,722
3292	MF	8.243.638,550	180.429,537	1.069,27	354°06'23"	283°41'00"	30,484	-0,766
3293	MF	8.243.636,392	180.433,382	1.069,29	1°27'18"	291°01'55"	28,174	-0,746
3294	MF	8.243.623,443	180.426,698	1.069,90	338°34'56"	268°09'33"	16,344	-0,139
3295	MF	8.243.626,666	180.439,553	1.069,56	20°28'47"	310°03'24"	19,683	-0,477
3296	MF	8.243.665,191	180.428,245	1.069,15	355°33'39"	285°08'16"	57,135	-0,883
3297	MF	8.243.657,788	180.427,048	1.069,26	353°31'54"	283°06'31"	49,879	-0,774
3298	MF	8.243.650,877	180.429,146	1.069,18	355°16'53"	284°51'30"	42,795	-0,863
3299	MF	8.243.644,986	180.433,449	1.069,10	1°13'10"	290°47'47"	36,767	-0,937
3300	MF	8.243.641,689	180.439,615	1.068,98	11°43'47"	301°18'24"	34,176	-1,062
3301	MF	8.243.640,594	180.448,079	1.068,93	25°27'45"	315°02'22"	35,849	-1,104

Nome	Descrição	Norte	Este	Cota
AUX12		8.243.608,227	180.432,667	1.070,04

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
3302	MF	8.243.631,223	180.455,165	1.069,36	44°22'25"	333°57'02"	32,171	-0,680
3303	MF	8.243.645,112	180.461,603	1.068,76	38°06'49"	327°41'26"	46,881	-1,282
3304	MF	8.243.635,782	180.467,202	1.069,23	51°24'55"	340°59'32"	44,181	-0,811
3305	MF	8.243.678,389	180.436,186	1.068,75	2°52'16"	292°26'53"	70,250	-1,285
3306	MF	8.243.652,671	180.474,998	1.068,55	43°36'19"	333°10'56"	61,378	-1,487
3307	MF	8.243.641,929	180.478,351	1.069,11	53°35'00"	343°09'37"	56,770	-0,932
3308	MF	8.243.690,658	180.443,332	1.068,49	7°22'19"	296°56'56"	83,118	-1,548
3309	MF	8.243.662,902	180.486,581	1.068,41	44°35'56"	334°10'33"	76,785	-1,633
3310	MF	8.243.650,087	180.488,812	1.069,02	53°17'36"	342°52'13"	70,032	-1,017
3311	MF	8.243.703,774	180.449,301	1.068,27	9°52'33"	299°27'10"	96,983	-1,768
3312	MF	8.243.672,810	180.494,376	1.068,30	43°41'47"	333°16'24"	89,325	-1,743
3313	MF	8.243.658,912	180.497,357	1.068,81	51°55'18"	341°29'55"	82,181	-1,229
3314	MF	8.243.718,462	180.454,203	1.068,06	11°03'16"	300°37'53"	112,319	-1,975
3315	MF	8.243.686,400	180.501,417	1.068,18	41°19'50"	330°54'27"	104,103	-1,854
3316	MF	8.243.664,486	180.501,809	1.068,66	50°51'57"	340°26'34"	89,139	-1,374
3317	MF	8.243.667,257	180.505,969	1.068,60	51°09'20"	340°43'57"	94,115	-1,443
3318	MF	8.243.668,094	180.513,957	1.068,23	53°37'48"	343°12'25"	100,956	-1,809
3319	MF	8.243.666,078	180.523,070	1.067,75	57°23'02"	346°57'39"	107,328	-2,292
3320	MF	8.243.663,455	180.531,918	1.067,29	60°54'24"	350°29'01"	113,582	-2,746
3321	MF	8.243.662,942	180.539,130	1.066,92	62°48'00"	352°22'37"	119,700	-3,114
3322	MF	8.243.664,457	180.547,776	1.066,53	63°57'54"	353°32'31"	128,109	-3,511
3323	MF	8.243.671,610	180.545,533	1.066,35	60°40'58"	350°15'35"	129,446	-3,689
3324	MF	8.243.670,774	180.534,916	1.066,93	58°32'44"	348°07'21"	119,862	-3,104
3325	MF	8.243.674,112	180.524,742	1.067,66	54°24'52"	343°59'29"	113,220	-2,378
3326	MF	8.243.681,505	180.517,270	1.068,30	49°06'11"	338°40'48"	111,926	-1,740
3327	MF	8.243.688,394	180.514,098	1.068,50	45°26'55"	335°01'32"	114,270	-1,538
3328	MF	8.243.702,619	180.516,919	1.068,53	41°45'05"	331°19'42"	126,524	-1,510
3329	MF	8.243.699,361	180.505,445	1.068,08	38°36'38"	328°11'15"	116,628	-1,956
3330	MF	8.243.728,655	180.456,546	1.067,99	11°12'56"	300°47'33"	122,772	-2,051
3331	MF	8.243.713,454	180.506,795	1.068,00	35°09'47"	324°44'24"	128,715	-2,043
3332	MF	8.243.746,818	180.458,813	1.067,86	10°41'01"	300°15'38"	141,035	-2,182
3333	MF	8.243.728,370	180.505,705	1.067,86	31°17'48"	320°52'25"	140,602	-2,181
3334	MF	8.243.754,187	180.461,335	1.067,62	11°06'44"	300°41'21"	148,748	-2,415
3335	MF	8.243.741,410	180.501,973	1.067,71	27°29'30"	317°04'07"	150,136	-2,327
3336	MF	8.243.760,442	180.467,304	1.067,40	12°49'11"	302°23'48"	156,106	-2,637
3337	MF	8.243.752,132	180.496,938	1.067,62	24°04'00"	313°38'37"	157,605	-2,413
3338	MF	8.243.763,570	180.475,005	1.067,30	15°14'44"	304°49'21"	161,009	-2,737
3339	MF	8.243.760,101	180.491,896	1.067,50	21°18'19"	310°52'56"	163,014	-2,536
3340	MF	8.243.763,421	180.483,024	1.067,33	17°58'38"	307°33'15"	163,159	-2,710
3341	MF	8.243.681,033	180.510,737	1.068,58	46°59'54"	336°34'31"	106,750	-1,457
3342	MF	8.243.673,451	180.507,009	1.068,54	48°44'18"	338°18'55"	98,899	-1,493
3343	MF	8.243.673,683	180.512,005	1.068,45	50°28'36"	340°03'13"	102,854	-1,590
3344	MF	8.243.673,610	180.516,367	1.068,26	52°00'17"	341°34'54"	106,210	-1,778
3345	MF	8.243.762,742	180.458,906	1.067,72	9°38'16"	299°12'53"	156,727	-2,318
3346	MF	8.243.767,043	180.464,421	1.067,66	11°18'24"	300°53'01"	161,959	-2,383
3347	MF	8.243.770,046	180.471,114	1.067,54	13°21'55"	302°56'32"	166,323	-2,493
3348	MF	8.243.771,228	180.478,856	1.067,46	15°49'16"	305°23'53"	169,419	-2,579
3349	MF	8.243.770,301	180.486,179	1.067,45	18°16'18"	307°50'55"	170,679	-2,585

Nome	Descrição	Norte	Este	Cota
AUX12		8.243.608,227	180.432,667	1.070,04

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
3350	MF	8.243.724,455	180.516,998	1.068,35	35°57'48"	325°32'25"	143,599	-1,687
3351	MF	8.243.744,516	180.512,361	1.068,17	30°19'00"	319°53'37"	157,879	-1,867
3352	MF	8.243.762,124	180.503,638	1.068,01	24°45'26"	314°20'03"	169,473	-2,028
3353	MF	8.243.778,970	180.493,464	1.067,81	19°35'59"	309°10'36"	181,244	-2,229
3354	MF	8.243.793,966	180.484,157	1.067,60	15°29'40"	305°04'17"	192,744	-2,436
3355	MF	8.243.787,068	180.476,192	1.067,31	13°40'42"	303°15'19"	184,061	-2,727
3356	MF	8.243.778,942	180.456,871	1.067,72	8°04'11"	297°38'48"	172,422	-2,316
3357	MF	8.243.810,454	180.474,145	1.067,43	11°35'28"	301°10'05"	206,436	-2,606
3358	MF	8.243.805,872	180.464,950	1.067,17	9°16'36"	298°51'13"	200,264	-2,866
3359	MF	8.243.803,272	180.450,761	1.067,54	5°18'01"	294°52'38"	195,882	-2,500
3360	MF	8.243.831,598	180.461,566	1.067,14	7°22'19"	296°56'57"	225,232	-2,903
3361	MF	8.243.827,093	180.452,360	1.066,97	5°08'30"	294°43'07"	219,750	-3,064
3362	MF	8.243.823,587	180.443,195	1.067,50	2°47'56"	292°22'33"	215,617	-2,535
3363	MF	8.243.819,002	180.433,860	1.067,14	0°19'28"	289°54'05"	210,778	-2,895
3364	MF	8.243.798,833	180.441,386	1.067,19	2°37'09"	292°11'46"	190,804	-2,850
3365	MF	8.243.773,339	180.447,481	1.067,31	5°07'37"	294°42'14"	165,775	-2,732
3366	MF	8.243.752,312	180.448,918	1.067,42	6°26'06"	296°00'43"	144,999	-2,621
3367	MF	8.243.734,144	180.447,144	1.067,53	6°33'31"	296°08'08"	126,746	-2,512
3368	MF	8.243.710,630	180.441,021	1.067,76	4°39'50"	294°14'27"	102,742	-2,277
3369	MF	8.243.686,362	180.429,138	1.068,30	357°24'52"	286°59'29"	78,214	-1,735
3370	MF	8.243.670,988	180.417,849	1.068,73	346°42'58"	276°17'35"	64,486	-1,308
3371	MF	8.243.658,840	180.406,045	1.069,42	332°15'21"	261°49'58"	57,187	-0,618
3372	MF	8.243.646,106	180.389,041	1.070,33	310°58'00"	240°32'37"	57,775	0,295
3373	MF	8.243.640,468	180.379,515	1.070,85	301°14'25"	230°49'02"	62,166	0,815
3374	MF	8.243.642,771	180.369,284	1.071,47	298°35'26"	228°10'03"	72,185	1,435
3375	MF	8.243.635,279	180.367,875	1.071,48	292°39'41"	222°14'18"	70,213	1,441
3376	MF	8.243.639,354	180.358,167	1.072,07	292°40'32"	222°15'09"	80,741	2,033
3377	MF	8.243.631,774	180.357,866	1.071,92	287°28'24"	217°03'01"	78,419	1,887
3378	MF	8.243.637,324	180.352,373	1.072,19	289°55'10"	219°29'47"	85,403	2,147
3379	MF	8.243.631,681	180.351,327	1.072,28	286°05'03"	215°39'40"	84,654	2,239
3380	MF	8.243.629,334	180.349,736	1.072,35	284°16'46"	213°51'23"	85,574	2,314
3381	MF	8.243.626,093	180.338,262	1.072,83	280°42'59"	210°17'36"	96,081	2,787
3382	MF	8.243.622,574	180.326,157	1.073,34	277°40'18"	207°14'55"	107,472	3,301
3383	MF	8.243.611,999	180.326,762	1.073,55	272°02'23"	201°37'00"	105,972	3,511
3384	MF	8.243.669,570	180.565,884	1.065,82	65°16'31"	354°51'08"	146,662	-4,213
3385	MF	8.243.676,185	180.561,224	1.065,65	62°08'18"	351°42'55"	145,414	-4,389
3386	BAS	8.243.675,549	180.585,723	1.065,22	66°15'28"	355°50'05"	167,208	-4,819
3387	BAS	8.243.682,962	180.585,597	1.064,99	63°57'22"	353°31'59"	170,214	-5,047
3388	BAS	8.243.689,722	180.608,629	1.064,27	65°08'58"	354°43'35"	193,918	-5,769
3389	BAS	8.243.682,921	180.611,090	1.064,56	67°17'04"	356°51'41"	193,427	-5,483
3390	BAS	8.243.695,071	180.627,339	1.063,78	65°57'30"	355°32'07"	213,164	-6,256
3391	BAS	8.243.690,040	180.635,611	1.063,75	68°02'39"	357°37'16"	218,814	-6,290
3392	BAS	8.243.696,275	180.656,736	1.063,18	68°32'52"	358°07'29"	240,748	-6,862
3393	BAS	8.243.702,982	180.654,705	1.063,05	66°53'23"	356°28'00"	241,411	-6,989
3394	BAS	8.243.712,350	180.687,212	1.062,07	67°45'10"	357°19'47"	275,018	-7,973
3395	BAS	8.243.717,872	180.706,139	1.061,44	68°09'09"	357°43'46"	294,633	-8,601
3396	BAS	8.243.704,201	180.684,689	1.062,29	69°09'09"	358°43'46"	269,678	-7,751
3397	BAS	8.243.717,796	180.706,126	1.061,45	68°09'55"	357°44'32"	294,593	-8,588

Nome	Descrição	Norte	Este	Cota
AUX12		8.243.608,227	180.432,667	1.070,04

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
3398	BAS	8.243.711,104	180.708,157	1.061,62	69°31'22"	359°05'59"	294,072	-8,422
3399	BAS	8.243.718,237	180.733,083	1.060,77	69°53'16"	359°27'53"	319,925	-9,265
3400	BAS	8.243.725,554	180.733,025	1.060,70	68°39'48"	358°14'25"	322,461	-9,339
3401	BAS	8.243.725,470	180.758,007	1.060,03	70°10'57"	359°45'34"	345,821	-10,012
3402	BAS	8.243.733,588	180.760,176	1.059,81	69°03'17"	358°37'54"	350,681	-10,232
3403	BAS	8.243.739,539	180.780,697	1.059,20	69°19'43"	358°54'20"	371,978	-10,842
3404	BAS	8.243.733,068	180.783,999	1.059,28	70°26'17"	0°00'54"	372,854	-10,761
3405	BAS	8.243.746,340	180.804,095	1.058,50	69°36'10"	359°10'47"	396,275	-11,537
3406	BAS	8.243.739,620	180.806,470	1.058,74	70°38'00"	0°12'37"	396,223	-11,295
3407	BAS	8.243.746,346	180.829,667	1.058,53	70°49'01"	0°23'38"	420,340	-11,508
3408	BAS	8.243.752,873	180.826,580	1.057,79	69°50'12"	359°24'49"	419,631	-12,248
3409	BAS	8.243.760,661	180.853,467	1.056,83	70°05'14"	359°39'51"	447,558	-13,211
3410	BAS	8.243.753,837	180.855,440	1.057,63	70°59'44"	0°34'21"	447,146	-12,405
3411	BAS	8.243.761,710	180.882,475	1.056,45	71°09'34"	0°44'11"	475,272	-13,588
3412	MF	8.243.768,822	180.881,800	1.055,94	70°19'29"	359°54'06"	476,982	-14,099
3413	MF	8.243.768,143	180.905,886	1.055,61	71°19'42"	0°54'19"	499,509	-14,427
3414	MF	8.243.775,293	180.929,531	1.054,89	71°24'55"	0°59'32"	524,199	-15,148
3415	MF	8.243.782,351	180.927,961	1.054,57	70°37'50"	0°12'27"	525,010	-15,469
3416	MF	8.243.777,182	180.909,852	1.055,15	70°30'10"	0°04'47"	506,213	-14,893
3417	MF	8.243.779,006	180.907,160	1.055,10	70°12'19"	359°46'56"	504,291	-14,937
3418	MF	8.243.785,024	180.903,631	1.054,83	69°25'27"	359°00'04"	503,055	-15,210
3419	MF	8.243.782,821	180.898,084	1.054,91	69°26'14"	359°00'51"	497,088	-15,125
3420	MF	8.243.779,364	180.898,570	1.055,15	69°49'50"	359°24'27"	496,340	-14,893
3421	MF	8.243.775,575	180.897,869	1.055,36	70°12'53"	359°47'30"	494,387	-14,681
3422	MF	8.243.772,896	180.895,336	1.055,55	70°24'32"	359°59'09"	491,099	-14,488
3423	MF	8.243.769,664	180.880,808	1.055,99	70°11'21"	359°45'58"	476,332	-14,052
3424	MF	8.243.766,134	180.868,277	1.056,28	70°04'29"	359°39'06"	463,347	-13,763
3425	MF	8.243.748,421	180.793,496	1.058,31	68°46'02"	358°20'39"	387,107	-11,728
3426	MF	8.243.745,503	180.792,743	1.058,58	69°07'52"	358°42'29"	385,356	-11,456
3427	MF	8.243.743,319	180.790,218	1.058,78	69°18'08"	358°52'45"	382,221	-11,256
3428	BAS	8.243.749,579	180.798,021	1.058,12	68°50'57"	358°25'34"	391,745	-11,913
3429	BAS	8.243.746,513	180.799,495	1.058,43	69°20'41"	358°55'18"	392,028	-11,604
3430	BAS	8.243.745,497	180.801,428	1.058,54	69°34'57"	359°09'34"	393,482	-11,495
3431	MF	8.243.737,420	180.770,056	1.059,42	69°02'50"	358°37'27"	361,279	-10,620
3432	MF	8.243.732,300	180.752,458	1.059,95	68°47'41"	358°22'18"	343,017	-10,086
3433	MF	8.243.729,306	180.742,250	1.060,41	68°38'22"	358°12'59"	332,419	-9,631
3434	MF	8.243.733,128	180.741,354	1.059,95	67°58'15"	357°32'52"	332,998	-10,087
3435	MF	8.243.736,330	180.733,419	1.059,98	66°55'44"	356°30'21"	326,898	-10,058
3436	MF	8.243.730,168	180.733,331	1.060,36	67°55'26"	357°30'03"	324,451	-9,677
3437	MF	8.243.727,165	180.732,206	1.060,68	68°20'37"	357°55'14"	322,289	-9,359
3438	MF	8.243.724,599	180.726,168	1.060,76	68°22'19"	357°56'56"	315,730	-9,280
3439	MF	8.243.721,574	180.715,235	1.061,08	68°08'34"	357°43'11"	304,454	-8,960
3440	MF	8.243.716,704	180.697,907	1.061,76	67°45'24"	357°20'01"	286,565	-8,278
3441	BAS	8.243.718,711	180.734,590	1.060,81	69°54'03"	359°28'40"	321,503	-9,227
3442	BAS	8.243.716,608	180.737,175	1.060,49	70°24'30"	359°59'07"	323,221	-9,545
3443	MF	8.243.712,630	180.740,060	1.060,38	71°14'26"	0°49'03"	324,639	-9,662
3444	MF	8.243.710,165	180.740,647	1.060,34	71°41'10"	1°15'47"	324,412	-9,693
3445	MF	8.243.712,522	180.746,088	1.060,30	71°35'40"	1°10'17"	330,318	-9,743

Nome	Descrição	Norte	Este	Cota
AUX12		8.243.608,227	180.432,667	1.070,04

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
3446	MF	8.243.715,468	180.745,890	1.060,39	71°06'00"	0°40'37"	331,073	-9,643
3447	MF	8.243.718,848	180.746,585	1.060,35	70°35'18"	0°09'55"	332,839	-9,693
3448	MF	8.243.720,549	180.747,319	1.060,45	70°21'18"	359°55'55"	334,099	-9,585
3449	MF	8.243.721,699	180.750,088	1.060,39	70°19'45"	359°54'22"	337,094	-9,646
3450	BAS	8.243.683,800	180.614,031	1.064,40	67°22'45"	356°57'22"	196,479	-5,641
3451	BAS	8.243.679,983	180.613,506	1.064,48	68°21'26"	357°56'03"	194,555	-5,563
3452	BAS	8.243.676,258	180.614,360	1.064,45	69°28'22"	359°02'59"	194,012	-5,592
3453	BAS	8.243.674,805	180.611,266	1.064,40	69°33'21"	359°07'58"	190,605	-5,639
3454	BAS	8.243.678,318	180.608,995	1.064,51	68°19'20"	357°53'57"	189,748	-5,526
3455	BAS	8.243.681,050	180.604,775	1.064,68	67°03'57"	356°38'34"	186,881	-5,356

Nome	Descrição	Norte	Este	Cota
M6		8.244.377,553	180.713,638	1.044,03

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
AUX16	A	8.244.467,083	180.825,456	1.038,97	51°19'00"	202°44'59"	143,245	-5,055

Nome	Descrição	Norte	Este	Cota
AUX16		8.244.467,083	180.825,456	1.038,97

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
4293	AV	8.244.466,166	180.837,672	1.038,66	94°17'40"	222°58'41"	12,251	-0,308
4294	AV	8.244.468,615	180.836,757	1.038,50	82°16'44"	210°57'45"	11,404	-0,471
4295	AV	8.244.474,896	180.838,702	1.038,27	59°27'52"	188°08'53"	15,379	-0,705
4296	AV	8.244.488,070	180.831,512	1.037,85	16°05'40"	144°46'41"	21,843	-1,122
4297	COQ	8.244.483,135	180.842,794	1.037,89	47°12'17"	175°53'18"	23,627	-1,082
4298	COQ	8.244.486,026	180.847,237	1.037,80	48°59'07"	177°40'08"	28,866	-1,171
4299	COQ	8.244.490,387	180.838,023	1.037,78	28°20'11"	157°01'12"	26,476	-1,189
4300	COQ	8.244.478,520	180.852,137	1.037,97	66°47'52"	195°28'53"	29,029	-1,005
4301	COQ	8.244.493,506	180.842,438	1.037,61	32°43'44"	161°24'45"	31,410	-1,357
4302	COQ	8.244.475,491	180.847,843	1.038,09	69°24'56"	198°05'57"	23,914	-0,881
4303	COQ	8.244.496,418	180.833,596	1.037,48	15°30'27"	144°11'28"	30,443	-1,493
4304	COQ	8.244.469,004	180.852,289	1.038,11	85°54'19"	214°35'20"	26,902	-0,866
4305	COQ	8.244.499,758	180.838,061	1.037,33	21°05'40"	149°46'41"	35,022	-1,644
4306	COQ	8.244.472,398	180.856,923	1.037,89	80°24'42"	209°05'43"	31,912	-1,079
4307	COQ	8.244.465,024	180.861,595	1.037,94	93°15'36"	221°56'37"	36,197	-1,029
4308	COQ	8.244.465,586	180.852,849	1.038,20	93°07'36"	221°48'37"	27,434	-0,776
4309	AV	8.244.501,496	180.841,974	1.037,52	25°38'26"	154°19'27"	38,172	-1,453
4310	AV	8.244.507,938	180.856,375	1.036,97	37°07'07"	165°48'08"	51,236	-2,001
4311	AV	8.244.516,955	180.861,596	1.036,19	35°55'46"	164°36'47"	61,590	-2,779
4312	AV	8.244.505,297	180.861,100	1.036,82	43°00'23"	171°41'24"	52,257	-2,150
4313	AV	8.244.486,302	180.888,606	1.036,57	73°04'23"	201°45'24"	66,010	-2,398
4314	AV	8.244.498,549	180.865,465	1.037,07	51°48'56"	180°29'57"	50,900	-1,900
4315	AV	8.244.483,937	180.886,194	1.036,74	74°29'29"	203°10'30"	63,033	-2,236
4316	AV	8.244.492,489	180.860,787	1.037,20	54°16'51"	182°57'52"	43,517	-1,770
4317	AV	8.244.475,102	180.889,269	1.037,00	82°50'14"	211°31'15"	64,315	-1,971
4318	AV	8.244.459,047	180.847,089	1.038,55	110°22'44"	239°03'45"	23,077	-0,421
4319	AV	8.244.462,898	180.845,455	1.038,19	101°49'12"	230°30'13"	20,432	-0,779
4320	AV	8.244.455,597	180.838,811	1.038,75	130°41'52"	259°22'53"	17,614	-0,225
4321	AV	8.244.460,806	180.822,315	1.039,24	206°35'12"	335°16'13"	7,019	0,266
4322	AV	8.244.467,882	180.818,743	1.038,95	276°47'26"	45°28'27"	6,761	-0,025
4323	AV	8.244.476,668	180.815,769	1.038,75	314°41'44"	83°22'45"	13,627	-0,222
4324	AV	8.244.474,273	180.813,987	1.038,96	302°04'58"	70°45'59"	13,536	-0,016
4325	AV	8.244.476,287	180.813,200	1.038,88	306°54'22"	75°35'23"	15,328	-0,096
4326	AV	8.244.458,742	180.797,512	1.039,93	253°22'50"	22°03'51"	29,162	0,962
4327	AV	8.244.454,969	180.797,129	1.039,96	246°50'47"	15°31'48"	30,808	0,986
4328	AV	8.244.455,848	180.800,803	1.039,97	245°30'03"	14°11'04"	27,093	0,998
4329	ED	8.244.447,538	180.791,623	1.040,13	239°59'06"	8°40'07"	39,073	1,155
4330	ED	8.244.451,405	180.785,237	1.040,45	248°42'15"	17°23'16"	43,167	1,481
4331	MF	8.244.452,326	180.820,740	1.040,08	197°43'27"	326°24'28"	15,492	1,112
4332	MF	8.244.454,274	180.819,744	1.039,79	204°01'58"	332°42'59"	14,025	0,821
4333	MF	8.244.458,787	180.819,725	1.039,61	214°38'15"	343°19'16"	10,083	0,642
4334	MF	8.244.460,846	180.811,840	1.039,82	245°23'15"	14°04'16"	14,976	0,853

Nome	Descrição	Norte	Este	Cota
AUX16		8.244.467,083	180.825,456	1.038,97

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
4335	MF	8.244.461,095	180.814,446	1.039,68	241°27'37"	10°08'38"	12,533	0,704
4336	MF	8.244.462,250	180.816,500	1.039,46	241°38'46"	10°19'47"	10,177	0,486
4337	MF	8.244.467,951	180.794,211	1.039,56	271°35'26"	40°16'27"	31,257	0,591
4338	MF	8.244.473,436	180.799,116	1.039,42	283°33'35"	52°14'36"	27,096	0,452
4339	PC	8.244.471,307	180.802,711	1.039,53	280°31'13"	49°12'14"	23,134	0,554
4340	MF	8.244.484,696	180.777,151	1.039,02	290°01'59"	58°43'00"	51,416	0,051
4341	MF	8.244.489,362	180.782,472	1.038,88	297°23'55"	66°04'56"	48,415	-0,092
4342	MU	8.244.502,814	180.791,451	1.037,70	316°25'03"	85°06'04"	49,326	-1,267
4343	MU	8.244.480,977	180.814,176	1.038,60	320°55'36"	89°36'37"	17,896	-0,369
4344	MU-POR	8.244.470,483	180.824,982	1.039,01	352°03'15"	120°44'16"	3,433	0,040
4345	MU-POR	8.244.468,065	180.827,472	1.039,01	64°01'49"	192°42'50"	2,243	0,042
4346	GRA	8.244.463,170	180.832,543	1.038,81	118°54'07"	247°35'08"	8,096	-0,157
4347	GRA	8.244.457,473	180.828,217	1.039,07	163°58'26"	292°39'27"	9,999	0,101
4348	GRA	8.244.454,800	180.827,098	1.039,51	172°23'14"	301°04'15"	12,393	0,538
4349	GRA	8.244.453,929	180.831,202	1.039,44	156°24'15"	285°05'16"	14,354	0,468
4350	GRA-POR	8.244.448,464	180.836,742	1.039,45	148°46'41"	277°27'42"	21,772	0,474
4351	GRA-POR	8.244.445,675	180.839,629	1.039,49	146°29'39"	275°10'40"	25,674	0,515
4352	GRA-CV	8.244.443,379	180.841,861	1.039,72	145°18'49"	273°59'50"	28,827	0,753
4353	ED	8.244.451,536	180.834,164	1.039,23	150°44'43"	279°25'44"	17,819	0,262
4354	ED	8.244.456,636	180.838,749	1.039,32	128°09'53"	256°50'54"	16,907	0,343
4355	ED	8.244.455,356	180.840,465	1.039,12	128°00'03"	256°41'04"	19,047	0,148
4356	ED	8.244.458,945	180.843,849	1.038,55	113°51'57"	242°32'58"	20,113	-0,423
4357	ED	8.244.464,867	180.837,762	1.038,69	100°12'27"	228°53'28"	12,504	-0,286
4358	ED	8.244.456,213	180.829,300	1.039,03	160°31'35"	289°12'36"	11,529	0,054
4359	CV	8.244.458,989	180.876,816	1.038,00	98°57'20"	227°38'21"	51,994	-0,975
4360	CV	8.244.475,070	180.902,586	1.036,32	84°05'17"	212°46'18"	77,542	-2,654
4361	CV	8.244.487,227	180.893,590	1.036,11	73°31'45"	202°12'46"	71,049	-2,864
4362	CV	8.244.504,992	180.879,889	1.035,89	55°08'42"	183°49'43"	66,333	-3,078
4363	CV	8.244.520,674	180.867,968	1.035,57	38°25'25"	167°06'26"	68,405	-3,404
4364	ET	8.244.494,463	180.836,170	1.037,57	21°22'15"	150°03'16"	29,401	-1,403
4365	ET	8.244.496,759	180.839,465	1.037,56	25°16'11"	153°57'12"	32,817	-1,410
4366	ET	8.244.485,819	180.841,972	1.037,71	41°23'46"	170°04'47"	24,976	-1,263
4367	ET	8.244.488,298	180.844,986	1.037,63	42°37'54"	171°18'55"	28,836	-1,341
4368	ET	8.244.476,194	180.848,343	1.037,93	68°17'35"	196°58'36"	24,634	-1,042
4369	ET	8.244.478,267	180.851,742	1.037,90	66°57'04"	195°38'05"	28,566	-1,067
4370	ET	8.244.468,696	180.853,444	1.038,09	86°42'06"	215°23'07"	28,035	-0,883
4371	ET	8.244.470,032	180.857,442	1.038,01	84°43'53"	213°24'54"	32,121	-0,960
4372	ET	8.244.465,532	180.854,104	1.038,06	93°05'54"	221°46'55"	28,690	-0,908
4373	ET	8.244.463,360	180.852,816	1.038,23	97°44'54"	226°25'55"	27,612	-0,740
4374	ET	8.244.467,611	180.858,999	1.038,03	89°05'50"	217°46'51"	33,547	-0,939
4375	ET	8.244.465,203	180.859,940	1.038,10	93°07'11"	221°48'12"	34,535	-0,873
4376	ET	8.244.462,068	180.857,885	1.038,08	98°47'27"	227°28'28"	32,815	-0,897

Nome	Descrição	Norte	Este	Cota
M5		8.244.466,252	180.915,280	1.036,48

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
AUX17	A	8.244.507,525	180.919,976	1.034,67	6°29'31"	120°14'10"	41,539	-1,811

Nome	Descrição	Norte	Este	Cota
AUX17		8.244.507,525	180.919,976	1.034,67

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
4377	C	8.244.503,823	180.911,031	1.034,96	247°31'03"	61°01'32"	9,681	0,295
4378	C	8.244.514,263	180.900,107	1.035,05	288°43'58"	102°14'27"	20,981	0,386
4379	C	8.244.527,030	180.888,184	1.034,95	301°31'47"	115°02'16"	37,299	0,285
4380	C	8.244.512,440	180.921,484	1.034,53	17°03'21"	190°33'50"	5,142	-0,140
4381	C	8.244.526,149	180.912,147	1.034,30	337°11'55"	150°42'24"	20,203	-0,369
4382	C	8.244.537,087	180.905,598	1.034,21	334°03'47"	147°34'16"	32,873	-0,450
4383	C	8.244.518,444	180.930,854	1.034,03	44°53'28"	218°23'57"	15,413	-0,639
4384	C	8.244.530,608	180.920,729	1.034,16	1°52'02"	175°22'31"	23,095	-0,501
4385	C	8.244.541,857	180.910,608	1.034,07	344°44'15"	158°14'44"	35,588	-0,593
4386	C	8.244.526,802	180.939,424	1.033,61	45°15'12"	218°45'41"	27,383	-1,060
4387	C	8.244.537,454	180.929,653	1.033,86	17°54'59"	191°25'28"	31,455	-0,803
4388	C	8.244.550,216	180.922,153	1.033,92	2°55'07"	176°25'36"	42,747	-0,743
4389	C	8.244.536,587	180.949,321	1.033,05	45°16'39"	218°47'08"	41,301	-1,612
4390	C	8.244.545,562	180.939,505	1.033,61	27°10'36"	200°41'05"	42,758	-1,052
4391	C	8.244.544,411	180.957,318	1.032,90	45°21'06"	218°51'35"	52,489	-1,767
4392	C	8.244.544,401	180.957,214	1.031,89	45°16'45"	218°47'14"	52,407	-2,772
4393	C	8.244.552,127	180.950,263	1.032,11	34°10'40"	207°41'09"	53,914	-2,550
4394	C	8.244.559,997	180.932,226	1.033,32	13°08'27"	186°38'56"	53,883	-1,340
4395	C	8.244.566,988	180.942,999	1.032,69	21°09'57"	194°40'26"	63,764	-1,978
4396	AV	8.244.530,842	180.928,663	1.034,04	20°25'56"	193°56'25"	24,882	-0,622
4397	AV	8.244.537,909	180.917,663	1.033,96	355°38'47"	169°09'16"	30,472	-0,703
4398	AV	8.244.519,851	180.931,793	1.033,99	43°47'30"	217°17'59"	17,076	-0,675
4399	AV	8.244.502,609	180.923,348	1.034,69	145°33'11"	319°03'40"	5,961	0,026

	Estação de Partida	Referência de Partida
Nome	G1	G2
Norte	8.245.766,640	8.245.552,028
Este	181.201,112	181.243,287
Cota	1.074,850	1.072,450
Azimute	168°52'55"	
Distância	218,7168 m	

	Estação de Chegada	Referência de Chegada
Nome	G2	G1
Norte	8.245.552,028	8.245.766,640
Este	181.243,287	181.201,112
Cota	1.072,450	1.074,850
Azimute	348°52'55"	
Distância	218,7168 m	

	Observados	Compensados
Perímetro	1.456,0975 m	1.457,0974 m
Área		

	Erros	Tolerâncias	Fora
Angular	0°00'08"	0°01'19" (= 0°00'30" x N½)	
Relativo	1:31636	1:10000	
Linear	0,0460 m		
Eixo Norte	-0,0437 m		
Eixo Este	-0,0144 m		
Altimétrico	0,030 m	0,060 m (= 50 mm x K½)	

Meridiano	Datum
-45°00'00"	Astro Chuá

Estação	AH Plano	DH Plana	Desnível	Azim Plano	Norte	Este	Altitude
G2					8.245.552,028	181.243,287	
				348°52'55"			
G1	116°57'56"				8.245.766,640	181.201,112	1.074,85
		143,920	-0,809	285°50'49"			
L1	174°40'59"				8.245.805,940	181.062,662	1.074,04
		170,292	-0,466	280°31'41"			
L2	354°10'58"				8.245.837,056	180.895,236	1.073,57
		399,280	2,702	94°42'26"			
L3	169°15'21"				8.245.804,290	181.293,170	1.076,28
		241,499	2,220	83°57'48"			
L4	355°57'22"				8.245.829,687	181.533,330	1.078,50
		270,587	-2,522	259°55'19"			
L5	105°56'11"				8.245.782,337	181.266,918	1.075,98
		231,519	-3,525	185°51'30"			
G2	343°01'22"				8.245.552,028	181.243,287	1.072,45
				348°52'55"			
G1					8.245.766,640	181.201,112	1.074,85

Nome	Descrição	Norte	Este	Cota
L2		8.245.837,056	180.895,236	1.073,57

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
AUX16	A	8.245.910,601	180.807,409	1.074,81	309°56'33"	209°24'52"	114,554	1,238
3507	AV	8.245.842,930	181.007,337	1.074,04	87°00'01"	346°28'20"	112,254	0,469
3508	AV	8.245.850,616	180.997,742	1.074,46	82°27'51"	341°56'10"	103,398	0,883
3509	AV	8.245.848,448	180.990,877	1.074,13	83°12'25"	342°40'44"	96,316	0,552
3510	AV	8.245.852,683	180.980,815	1.074,42	79°39'05"	339°07'24"	86,994	0,842
3511	AV	8.245.839,132	180.982,060	1.073,58	88°37'49"	348°06'08"	86,849	0,001
3512	LU	8.245.838,478	180.980,385	1.073,37	89°02'34"	348°30'53"	85,161	-0,204
3513	AV	8.245.857,216	180.973,142	1.074,64	75°29'28"	334°57'47"	80,472	1,062
3514	AV	8.245.849,180	180.972,783	1.074,04	81°06'51"	340°35'10"	78,489	0,468
3515	AV	8.245.853,074	180.973,640	1.074,32	78°27'11"	337°55'30"	80,023	0,742
3516	AV	8.245.844,044	180.960,893	1.073,55	83°55'27"	343°23'46"	66,028	-0,022
3517	AV	8.245.858,838	180.961,374	1.074,33	71°46'14"	331°14'33"	69,632	0,754
3518	LU	8.245.846,602	180.944,484	1.073,61	79°01'48"	338°30'07"	50,165	0,038
3519	AV	8.245.857,983	180.951,600	1.074,12	69°37'50"	329°06'09"	60,123	0,549
3520	AV	8.245.862,946	180.951,954	1.074,41	65°27'52"	324°56'11"	62,347	0,830
3521	AV	8.245.866,482	180.937,837	1.074,54	55°21'54"	314°50'13"	51,776	0,961
3522	AV	8.245.876,034	180.922,600	1.074,91	35°04'11"	294°32'30"	47,625	1,330
3523	AV	8.245.863,856	180.923,660	1.074,06	46°41'03"	306°09'22"	39,066	0,487
3524	AV	8.245.876,652	180.920,098	1.074,91	32°07'28"	291°35'47"	46,754	1,337
3525	AV	8.245.867,189	180.915,652	1.074,39	34°07'04"	293°35'23"	36,398	0,817
3526	LU	8.245.858,366	180.908,072	1.073,55	31°03'40"	290°31'59"	24,877	-0,022
3527	AV	8.245.878,479	180.906,250	1.074,76	14°53'20"	274°21'39"	42,863	1,181
3528	TP	8.245.869,674	180.901,518	1.074,22	10°54'02"	270°22'21"	33,218	0,646
3529	AV	8.245.884,837	180.899,542	1.075,11	5°08'55"	264°37'14"	47,975	1,531
3530	AV	8.245.879,270	180.895,048	1.074,60	359°44'39"	259°12'58"	42,215	1,027
3531	AV	8.245.877,880	180.890,583	1.074,52	353°29'51"	252°58'10"	41,088	0,945
3532	AV	8.245.885,659	180.889,221	1.075,02	352°56'42"	252°25'01"	48,974	1,447
3533	LU	8.245.870,497	180.874,833	1.073,53	328°36'43"	228°05'02"	39,174	-0,043
3534	PLS	8.245.865,392	180.875,234	1.073,57	324°46'56"	224°15'15"	34,685	-0,010
3535	AV	8.245.890,587	180.886,709	1.075,28	350°56'57"	250°25'16"	54,206	1,704
3536	AV	8.245.884,275	180.874,494	1.074,82	336°17'09"	235°45'28"	51,575	1,244
3537	AV	8.245.889,100	180.881,798	1.075,14	345°31'18"	244°59'37"	53,751	1,563
3538	AV	8.245.892,189	180.872,875	1.075,18	337°55'23"	237°23'42"	59,496	1,601
3539	AV	8.245.893,776	180.877,914	1.075,26	343°01'01"	242°29'20"	59,307	1,686
3540	AV	8.245.890,303	180.866,400	1.075,03	331°33'44"	231°02'03"	60,554	1,454
3541	AV	8.245.899,108	180.867,532	1.075,42	335°56'28"	235°24'47"	67,956	1,844
3542	AV	8.245.893,448	180.860,390	1.075,06	328°17'14"	227°45'33"	66,290	1,485
3543	AV	8.245.898,344	180.858,620	1.075,32	329°08'38"	228°36'57"	71,393	1,744
3544	AV	8.245.894,785	180.855,886	1.074,99	325°43'12"	225°11'31"	69,865	1,418
3545	AV	8.245.900,320	180.852,768	1.075,36	326°07'39"	225°35'58"	76,197	1,782
3546	AV	8.245.902,730	180.847,517	1.075,31	323°59'51"	223°28'10"	81,180	1,732
3547	AV	8.245.896,127	180.851,772	1.074,97	323°39'15"	223°07'34"	73,339	1,397
3548	AV	8.245.900,168	180.844,542	1.075,21	321°13'37"	220°41'56"	80,951	1,639
3549	AV	8.245.896,332	180.842,877	1.074,98	318°32'43"	218°01'02"	79,090	1,404
3550	AV	8.245.905,506	180.839,477	1.075,38	320°50'01"	220°18'20"	88,287	1,809
3551	AV	8.245.875,269	180.855,308	1.073,53	313°44'34"	213°12'53"	55,268	-0,041
3552	AV	8.245.906,407	180.835,796	1.075,32	319°24'02"	218°52'21"	91,339	1,745
3553	AV	8.245.873,819	180.859,609	1.073,56	315°53'59"	215°22'18"	51,194	-0,019

Nome	Descrição	Norte	Este	Cota
L2		8.245.837,056	180.895,236	1.073,57

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
3554	AV	8.245.872,879	180.863,563	1.073,48	318°31'06"	217°59'25"	47,818	-0,095
3555	AV	8.245.902,196	180.835,960	1.075,06	317°41'54"	217°10'13"	88,074	1,484
3556	LU	8.245.883,358	180.840,817	1.073,73	310°23'34"	209°51'53"	71,452	0,152
3557	AV	8.245.885,040	180.837,111	1.073,80	309°32'27"	209°00'46"	75,373	0,229
3558	AV	8.245.911,346	180.828,514	1.075,35	318°04'19"	217°32'38"	99,855	1,771
3559	AV	8.245.890,525	180.836,029	1.074,17	312°05'05"	211°33'24"	79,777	0,590
3560	AV	8.245.886,493	180.831,102	1.073,80	307°37'37"	207°05'56"	80,977	0,225
3561	AV	8.245.896,170	180.827,344	1.074,36	311°02'47"	210°31'06"	90,022	0,783
3562	AV	8.245.898,404	180.807,575	1.074,02	304°59'09"	204°27'28"	106,996	0,441
3563	AV	8.245.891,363	180.826,045	1.074,07	308°07'41"	207°36'00"	87,959	0,493
3564	AV	8.245.911,339	180.800,970	1.074,76	308°14'19"	207°42'38"	120,018	1,185
3565	LU	8.245.899,034	180.807,420	1.073,89	305°12'47"	204°41'06"	107,485	0,312
3566	LU	8.245.879,462	180.800,120	1.074,62	294°01'45"	193°30'04"	104,142	1,044
3567	PLS	8.245.879,319	180.810,877	1.074,01	296°36'38"	196°04'57"	94,354	0,434
3568	LU	8.245.863,734	180.834,667	1.073,74	293°46'19"	193°14'38"	66,185	0,166
3569	AV	8.245.856,522	180.846,069	1.073,61	291°35'59"	191°04'18"	52,880	0,032
3570	AV	8.245.855,765	180.851,761	1.073,59	293°17'05"	192°45'24"	47,331	0,020
3571	AV	8.245.853,954	180.856,065	1.073,59	293°20'05"	192°48'24"	42,660	0,017
3572	AV	8.245.851,071	180.868,353	1.073,55	297°32'06"	197°00'25"	30,317	-0,021
3573	PLS	8.245.847,812	180.863,818	1.073,52	288°53'54"	188°22'13"	33,209	-0,059
3574	PLS	8.245.853,872	180.871,124	1.073,61	304°53'29"	204°21'48"	29,397	0,038
3575	LU	8.245.849,164	180.870,031	1.073,57	295°39'32"	195°07'51"	27,963	-0,006
3576	AV	8.245.841,594	180.898,387	1.073,33	34°45'56"	294°14'15"	5,525	-0,246
3577	LU	8.245.837,070	180.905,390	1.073,56	89°55'08"	349°23'27"	10,154	-0,014
3578	LU	8.245.826,169	180.941,876	1.073,54	103°08'20"	2°36'39"	47,893	-0,031
3579	LU	8.245.816,304	180.979,579	1.073,67	103°49'22"	3°17'41"	86,858	0,090
3580	PLP	8.245.806,407	180.947,330	1.074,01	120°28'10"	19°56'29"	60,441	0,432
3581	PLP	8.245.805,326	180.947,030	1.073,94	121°29'33"	20°57'52"	60,740	0,364
3582	PLS	8.245.803,521	180.944,602	1.073,77	124°11'20"	23°39'39"	59,679	0,197
3583	PLP	8.245.809,938	180.922,060	1.073,75	135°18'45"	34°47'04"	38,143	0,178
3584	LU	8.245.785,447	180.941,530	1.072,58	138°06'27"	37°34'46"	69,329	-0,999
3585	LU	8.245.795,678	180.914,105	1.072,04	155°29'12"	54°57'31"	45,476	-1,537
3586	LU	8.245.809,329	180.877,753	1.071,84	212°14'02"	111°42'21"	32,779	-1,740
3587	AV	8.245.819,304	180.893,121	1.073,33	186°47'40"	86°15'59"	17,877	-0,241
3588	AV	8.245.823,114	180.883,105	1.073,27	221°01'42"	120°30'01"	18,481	-0,305
3589	PLP	8.245.821,514	180.876,869	1.072,61	229°45'48"	129°14'07"	24,061	-0,970
3590	PLP	8.245.806,603	180.858,481	1.071,89	230°21'28"	129°49'47"	47,732	-1,686
3591	LU	8.245.822,993	180.841,826	1.072,01	255°14'56"	154°43'15"	55,231	-1,562
3592	AV	8.245.826,569	180.834,642	1.072,08	260°10'54"	159°39'13"	61,495	-1,494
3593	PLP	8.245.837,757	180.843,746	1.073,64	270°46'51"	170°15'10"	51,496	0,063
3594	LU	8.245.836,535	180.805,020	1.072,56	269°40'10"	169°08'29"	90,218	-1,015
3595	PLP	8.245.850,273	180.801,971	1.072,82	278°03'59"	177°32'18"	94,197	-0,754
3596	LU	8.245.850,228	180.768,824	1.073,72	275°56'56"	175°25'15"	127,097	0,143
3597	PLP	8.245.874,602	180.768,307	1.074,08	286°28'43"	185°57'02"	132,366	0,507
3598	PLP	8.245.873,297	180.769,082	1.073,91	286°01'42"	185°30'01"	131,257	0,338
3599	PLP	8.245.872,263	180.767,630	1.073,93	285°25'28"	184°53'47"	132,374	0,353
3600	PLP	8.245.874,490	180.770,985	1.073,97	286°45'59"	186°14'18"	129,768	0,392
3601	MF	8.245.862,394	180.994,715	1.074,56	75°42'35"	335°10'54"	102,655	0,984

Nome	Descrição	Norte	Este	Cota
L2		8.245.837,056	180.895,236	1.073,57

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
3602	MF	8.245.855,369	180.993,402	1.074,39	79°25'58"	338°54'17"	99,859	0,818
3603	CAL	8.245.854,732	180.991,274	1.074,54	79°34'16"	339°02'35"	97,650	0,969
3604	PVE	8.245.858,199	180.976,186	1.074,92	75°21'43"	334°50'02"	83,666	1,341
3605	PC	8.245.866,049	180.984,380	1.074,73	71°59'00"	331°27'19"	93,740	1,158
3606	M	8.245.862,319	180.972,058	1.074,54	71°47'46"	331°16'05"	80,869	0,965
3607	BL	8.245.864,303	180.966,206	1.074,48	68°59'47"	328°28'06"	76,020	0,908
3608	MF	8.245.871,183	180.968,290	1.074,76	64°57'36"	324°25'55"	80,632	1,182
3609	PC	8.245.872,749	180.964,441	1.074,77	62°43'01"	322°11'20"	77,867	1,192
3610	PC	8.245.880,000	180.944,766	1.075,35	49°04'24"	308°32'43"	65,554	1,771
3611	CAL	8.245.862,631	180.967,731	1.074,67	70°34'04"	330°02'23"	76,874	1,090
3612	CAL	8.245.868,093	180.952,054	1.074,76	61°21'13"	320°49'32"	64,743	1,188
3613	MF	8.245.869,071	180.952,445	1.074,58	60°46'03"	320°14'22"	65,558	1,004
3614	MF	8.245.875,992	180.954,383	1.074,84	56°38'34"	316°06'53"	70,812	1,261
3615	MU	8.245.876,892	180.954,679	1.074,90	56°10'17"	315°38'36"	71,556	1,328
3616	MU	8.245.866,574	180.984,834	1.074,80	71°45'54"	331°14'13"	94,335	1,222
3617	MU	8.245.884,402	180.935,263	1.075,26	40°12'39"	299°40'58"	61,999	1,687
3618	MF	8.245.883,393	180.934,708	1.075,08	40°25'30"	299°53'49"	60,870	1,505
3619	MF	8.245.876,861	180.931,902	1.074,86	42°38'56"	302°07'15"	54,118	1,290
3620	CAL	8.245.875,810	180.931,224	1.074,95	42°52'47"	302°21'06"	52,886	1,371
3621	PVE	8.245.879,244	180.919,636	1.075,18	30°02'35"	289°30'54"	48,737	1,608
3622	CAL	8.245.884,719	180.908,984	1.075,23	16°05'23"	275°33'42"	49,606	1,654
3623	MF	8.245.885,697	180.909,551	1.075,08	16°23'53"	275°52'12"	50,704	1,502
3624	MF	8.245.892,670	180.910,421	1.075,33	15°16'18"	274°44'37"	57,650	1,753
3625	PC	8.245.895,044	180.906,116	1.075,43	10°37'33"	270°05'52"	59,000	1,858
3626	MU	8.245.896,018	180.906,096	1.075,72	10°26'07"	269°54'26"	59,954	2,150
3627	MU	8.245.904,276	180.887,117	1.075,71	353°06'45"	252°35'04"	67,709	2,133
3628	MF	8.245.903,100	180.886,666	1.075,47	352°36'22"	252°04'41"	66,598	1,899
3629	MF	8.245.897,090	180.882,670	1.075,30	348°10'40"	247°38'59"	61,335	1,722
3630	CAL	8.245.896,033	180.882,500	1.075,42	347°48'51"	247°17'10"	60,337	1,842
3631	CAL	8.245.903,274	180.865,577	1.075,48	335°52'21"	235°20'40"	72,557	1,904
3632	CAL	8.245.901,068	180.864,633	1.075,47	334°26'53"	233°55'12"	70,952	1,898
3633	CAL	8.245.900,217	180.865,503	1.075,49	334°47'27"	234°15'46"	69,810	1,919
3634	CAL	8.245.898,725	180.863,789	1.075,42	332°58'52"	232°27'11"	69,225	1,846
3635	BL	8.245.901,276	180.861,290	1.075,24	332°08'22"	231°36'41"	72,640	1,661
3636	PVE	8.245.903,226	180.863,865	1.075,44	334°38'05"	234°06'24"	73,231	1,861
3637	MF	8.245.905,023	180.864,812	1.075,39	335°53'06"	235°21'25"	74,466	1,811
3638	MF	8.245.900,599	180.862,802	1.075,38	332°57'33"	232°25'52"	71,342	1,804
3639	MF	8.245.911,704	180.867,808	1.075,65	339°49'30"	239°17'49"	79,528	2,077
3640	PC	8.245.911,975	180.867,823	1.075,72	339°54'08"	239°22'27"	79,777	2,142
3641	MU	8.245.912,736	180.868,293	1.075,91	340°24'13"	239°52'32"	80,333	2,335
3642	MU	8.245.921,715	180.849,505	1.075,82	331°37'22"	231°05'41"	96,221	2,245
3643	MF	8.245.920,456	180.848,500	1.075,63	330°44'03"	230°12'22"	95,603	2,059
3644	MF	8.245.910,008	180.842,922	1.075,36	324°21'19"	223°49'38"	89,771	1,789
3645	CAL	8.245.908,925	180.842,420	1.075,53	323°41'17"	223°09'36"	89,190	1,960
3646	CAL	8.245.917,917	180.824,430	1.075,53	318°47'34"	218°15'53"	107,481	1,951
3647	MF	8.245.919,012	180.824,824	1.075,38	319°19'58"	218°48'17"	108,050	1,807
3648	MF	8.245.929,633	180.830,642	1.075,77	325°05'43"	224°34'02"	112,885	2,194
3649	MF	8.245.929,663	180.830,615	1.075,57	325°05'34"	224°33'53"	112,925	1,994

Nome	Descrição	Norte	Este	Cota
L2		8.245.837,056	180.895,236	1.073,57

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
3650	PC	8.245.930,135	180.830,717	1.075,89	325°16'17"	224°44'36"	113,254	2,316
3651	MU	8.245.930,738	180.830,774	1.076,09	325°28'06"	224°56'25"	113,718	2,518
3652	PC	8.245.901,550	180.814,878	1.074,48	308°45'00"	208°13'19"	103,039	0,901
3653	CAL	8.245.900,539	180.814,574	1.074,32	308°12'12"	207°40'31"	102,648	0,744
3654	CAL	8.245.898,376	180.813,675	1.074,18	306°56'13"	206°24'32"	102,041	0,607
3655	CAL	8.245.894,105	180.812,383	1.073,82	304°32'59"	204°01'18"	100,594	0,242
3656	CAL	8.245.892,720	180.811,825	1.073,82	303°43'01"	203°11'20"	100,279	0,241
3657	MF	8.245.891,124	180.811,278	1.073,64	302°46'52"	202°15'11"	99,862	0,064
3658	PVE	8.245.892,147	180.820,353	1.074,33	306°20'31"	205°48'50"	92,965	0,757
3659	C	8.245.890,985	180.820,259	1.073,75	305°43'35"	205°11'54"	92,358	0,176
3660	MF	8.245.883,215	180.828,637	1.073,51	304°43'32"	204°11'51"	81,032	-0,063
3661	CAL	8.245.884,599	180.829,466	1.073,74	305°51'43"	205°20'02"	81,155	0,169
3662	CAL	8.245.885,834	180.830,128	1.073,77	306°50'25"	206°18'44"	81,354	0,195
3663	CAL	8.245.889,643	180.832,194	1.074,08	309°50'01"	209°18'20"	82,097	0,507
3664	CAL	8.245.891,477	180.833,094	1.074,11	311°12'37"	210°40'56"	82,603	0,533
3665	CAL	8.245.878,811	180.842,769	1.073,61	308°30'50"	207°59'09"	67,055	0,038
3666	CAL	8.245.878,184	180.844,157	1.073,61	308°50'25"	208°18'44"	65,579	0,035
3667	CAL	8.245.879,556	180.844,800	1.073,62	310°07'11"	209°35'30"	65,956	0,045
3668	CAL	8.245.880,316	180.843,396	1.073,63	309°50'39"	209°18'58"	67,520	0,053
3669	CAL	8.245.884,050	180.845,280	1.073,92	313°15'01"	212°43'20"	68,586	0,346
3670	CAL	8.245.883,357	180.846,731	1.073,88	313°40'05"	213°08'24"	67,056	0,304
3671	CAL	8.245.885,386	180.847,603	1.073,85	315°24'58"	214°53'17"	67,858	0,277
3672	CAL	8.245.885,920	180.846,204	1.073,89	314°54'07"	214°22'26"	69,224	0,315
3673	PVA	8.245.886,000	180.856,443	1.074,85	321°36'00"	221°04'19"	62,454	1,278
3674	C	8.245.885,612	180.856,251	1.074,32	321°14'22"	220°42'41"	62,270	0,748
3675	CXAP	8.245.877,924	180.851,730	1.074,12	313°12'33"	212°40'52"	59,691	0,547
3676	BL	8.245.873,954	180.850,303	1.073,19	309°23'33"	208°51'52"	58,142	-0,380
3677	BL	8.245.872,538	180.853,827	1.073,15	310°35'33"	210°03'52"	54,532	-0,424
3678	BL	8.245.867,000	180.867,920	1.073,09	317°37'39"	217°05'58"	40,532	-0,482
3679	PC	8.245.880,858	180.861,525	1.074,16	322°25'02"	221°53'21"	55,273	0,581
3680	CAL	8.245.868,386	180.868,833	1.073,50	319°52'39"	219°20'58"	40,972	-0,071
3681	CAL	8.245.869,769	180.869,177	1.073,52	321°27'33"	220°55'52"	41,824	-0,056
3682	CAL	8.245.874,341	180.870,699	1.073,90	326°39'05"	226°07'24"	44,635	0,324
3683	CAL	8.245.876,191	180.871,917	1.074,00	329°12'39"	228°40'58"	45,556	0,427
3684	CAL	8.245.861,660	180.887,482	1.073,51	342°30'24"	241°58'43"	25,798	-0,069
3685	CAL	8.245.862,770	180.887,805	1.073,49	343°52'53"	243°21'12"	26,766	-0,082
3686	CAL	8.245.867,661	180.889,651	1.073,84	349°39'27"	249°07'46"	31,110	0,270
3687	CAL	8.245.869,359	180.890,614	1.073,91	351°51'27"	251°19'46"	32,633	0,332
3688	PVE	8.245.865,682	180.884,948	1.073,98	340°13'50"	239°42'09"	30,419	0,409
3689	CAL	8.245.863,669	180.906,386	1.073,82	22°43'53"	282°12'12"	28,855	0,246
3690	CAL	8.245.862,035	180.905,828	1.073,79	22°58'40"	282°26'59"	27,132	0,210
3691	CAL	8.245.857,537	180.903,962	1.073,44	23°04'31"	282°32'50"	22,262	-0,134
3692	CAL	8.245.856,514	180.903,619	1.073,41	23°18'21"	282°46'40"	21,188	-0,163
3693	MF	8.245.854,621	180.903,163	1.073,20	24°17'10"	283°45'29"	19,271	-0,373
3694	BL	8.245.852,964	180.908,623	1.073,00	40°04'49"	299°33'08"	20,791	-0,570
3695	QQ	8.245.862,794	180.912,931	1.074,19	34°30'27"	293°58'46"	31,234	0,616
3696	QQ	8.245.866,190	180.903,350	1.074,17	15°33'45"	275°02'04"	30,243	0,590
3697	QQ	8.245.878,130	180.907,460	1.074,82	16°34'22"	276°02'41"	42,855	1,249

Nome	Descrição	Norte	Este	Cota
L2		8.245.837,056	180.895,236	1.073,57

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
3698	PC	8.245.863,683	180.909,560	1.073,96	28°16'35"	287°44'54"	30,236	0,380
3699	PON	8.245.857,786	180.915,706	1.073,71	44°38'16"	304°06'35"	29,133	0,131
3700	PON	8.245.854,286	180.914,750	1.073,40	48°33'16"	308°01'35"	26,032	-0,178
3701	PON	8.245.852,604	180.920,266	1.073,42	58°09'04"	317°37'23"	29,466	-0,155
3702	MF	8.245.847,054	180.927,729	1.073,20	72°53'46"	332°22'05"	33,996	-0,376
3703	CAL	8.245.848,748	180.928,294	1.073,39	70°31'17"	329°59'36"	35,064	-0,187
3704	CAL	8.245.850,111	180.928,517	1.073,40	68°34'51"	328°03'10"	35,750	-0,176
3705	CAL	8.245.854,492	180.930,027	1.073,64	63°22'50"	322°51'09"	38,916	0,066
3706	CAL	8.245.856,655	180.930,284	1.073,85	60°47'08"	320°15'27"	40,156	0,274
3707	PC	8.245.849,161	180.958,721	1.073,81	79°12'14"	338°40'33"	64,629	0,235
3708	BL	8.245.837,540	180.966,605	1.073,11	89°36'41"	349°05'00"	71,370	-0,460
3709	CAL	8.245.839,097	180.967,000	1.073,47	88°22'15"	347°50'34"	71,793	-0,103
3710	CAL	8.245.840,306	180.967,378	1.073,47	87°25'13"	346°53'32"	72,215	-0,101
3711	CAL	8.245.845,265	180.968,493	1.073,76	83°36'21"	343°04'40"	73,715	0,189
3712	CAL	8.245.846,965	180.968,805	1.073,79	82°19'42"	341°48'01"	74,233	0,210
3713	PVA	8.245.848,949	180.970,320	1.073,99	80°59'57"	340°28'16"	76,019	0,414
3714	CAL	8.245.842,773	181.000,488	1.073,90	86°53'27"	346°21'46"	105,407	0,328
3715	CAL	8.245.840,820	181.000,192	1.073,85	87°56'45"	347°25'04"	105,023	0,276
3716	CAL	8.245.833,725	181.000,041	1.073,51	91°49'13"	351°17'32"	104,857	-0,060
3717	CAL	8.245.832,305	180.999,598	1.073,53	92°36'23"	352°04'42"	104,470	-0,041
3718	MF	8.245.830,660	180.999,471	1.073,34	93°30'41"	352°59'00"	104,431	-0,240
3719	PVE	8.245.834,597	181.001,856	1.073,86	91°19'15"	350°47'34"	106,648	0,285
3720	MF	8.245.827,312	180.963,340	1.073,50	98°08'31"	357°36'50"	68,797	-0,071
3721	MF	8.245.814,538	180.959,517	1.073,58	109°18'20"	8°46'39"	68,111	0,001
3722	MF	8.245.832,128	180.943,431	1.073,50	95°50'15"	355°18'34"	48,445	-0,072
3723	MF	8.245.820,719	180.940,123	1.073,53	109°59'58"	9°28'17"	47,767	-0,041
3724	MF	8.245.837,886	180.922,173	1.073,44	88°14'02"	347°42'21"	26,950	-0,133
3725	BL	8.245.826,324	180.923,142	1.073,41	111°02'07"	10°30'26"	29,898	-0,169
3726	MF	8.245.827,898	180.918,401	1.073,43	111°34'11"	11°02'30"	24,909	-0,148
3727	MF	8.245.844,041	180.902,230	1.073,39	45°02'10"	304°30'29"	9,885	-0,185
3728	MF	8.245.834,378	180.898,794	1.073,36	126°57'58"	26°26'17"	4,452	-0,216
3729	MF	8.245.835,500	180.895,686	1.073,36	163°53'36"	63°21'55"	1,619	-0,211
3730	MF	8.245.851,254	180.881,097	1.073,40	315°07'14"	214°35'33"	20,038	-0,179
3731	BL	8.245.840,628	180.880,688	1.073,19	283°47'50"	183°16'09"	14,980	-0,390
3732	MF	8.245.858,311	180.861,996	1.073,55	302°35'47"	202°04'06"	39,455	-0,027
3733	BL	8.245.846,561	180.863,926	1.073,33	286°53'14"	186°21'33"	32,722	-0,248
3734	PVA	8.245.852,487	180.865,529	1.073,93	297°26'59"	196°55'18"	33,476	0,355
3735	MF	8.245.865,815	180.842,946	1.073,72	298°48'38"	198°16'57"	59,677	0,146
3736	MF	8.245.855,870	180.840,274	1.073,41	288°53'47"	188°22'06"	58,093	-0,160
3737	MF-CAL	8.245.867,181	180.839,249	1.073,90	298°17'02"	197°45'21"	63,578	0,321
3738	MF-CAL	8.245.867,686	180.837,994	1.073,98	298°09'04"	197°37'23"	64,923	0,407
3739	MF-CAL	8.245.858,449	180.833,974	1.073,42	289°14'59"	188°43'18"	64,891	-0,153
3740	MF-CAL	8.245.857,911	180.835,333	1.073,40	289°11'46"	188°40'05"	63,430	-0,174
3741	MF	8.245.875,818	180.818,992	1.073,82	296°56'55"	196°25'14"	85,532	0,248
3742	MF	8.245.866,888	180.814,439	1.073,49	290°15'56"	189°44'15"	86,129	-0,084
3743	MF	8.245.879,901	180.810,109	1.073,89	296°43'00"	196°11'19"	95,302	0,315
3744	MF	8.245.870,701	180.805,978	1.073,52	290°39'13"	190°07'32"	95,389	-0,052
3745	MF	8.245.885,038	180.799,370	1.074,03	296°35'18"	196°03'37"	107,204	0,459

Nome	Descrição	Norte	Este	Cota
L2		8.245.837,056	180.895,236	1.073,57

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
3746	MF	8.245.883,733	180.800,923	1.074,00	296°19'54"	195°48'13"	105,233	0,430
3747	MF	8.245.881,326	180.801,627	1.073,98	295°18'39"	194°46'58"	103,549	0,407
3748	MF	8.245.878,485	180.800,072	1.073,69	293°31'33"	192°59'52"	103,792	0,116
3749	MF	8.245.884,144	180.786,688	1.073,72	293°27'04"	192°55'23"	118,322	0,144
3750	MF	8.245.889,714	180.789,953	1.074,06	296°34'20"	196°02'39"	117,717	0,484
3751	MF	8.245.890,965	180.771,669	1.073,86	293°34'13"	193°02'32"	134,815	0,283
3752	MF	8.245.891,824	180.762,281	1.073,84	292°23'18"	191°51'37"	143,794	0,264
3753	MF	8.245.900,932	180.767,347	1.074,24	296°32'26"	196°00'45"	142,955	0,669
3754	BL	8.245.897,748	180.751,249	1.073,77	292°51'22"	192°19'41"	156,256	0,199
3755	MF	8.245.906,650	180.756,223	1.074,31	296°35'38"	196°03'57"	155,461	0,736
3756	PVA	8.245.902,665	180.754,253	1.074,21	294°57'21"	194°25'40"	155,502	0,632
3757	MF	8.245.886,218	180.747,608	1.074,56	288°25'06"	187°53'25"	155,599	0,985
3758	MF	8.245.887,529	180.747,004	1.074,56	288°48'13"	188°16'32"	156,590	0,990
3759	MF	8.245.896,899	180.730,591	1.074,75	289°58'28"	189°26'47"	175,184	1,173
3760	MF	8.245.895,913	180.730,089	1.074,55	289°36'57"	189°05'16"	175,322	0,979
3761	MF	8.245.884,085	180.722,434	1.074,72	285°13'29"	184°41'48"	179,088	1,144
3762	MF	8.245.878,598	180.730,396	1.074,68	284°08'42"	183°37'01"	169,994	1,101
3763	MF	8.245.877,321	180.734,791	1.074,58	284°05'17"	183°33'36"	165,421	1,007
3764	MF	8.245.876,796	180.740,078	1.074,50	284°21'59"	183°50'18"	160,167	0,926
3765	MF	8.245.875,111	180.741,543	1.074,48	283°54'26"	183°22'45"	158,334	0,905
3766	MF	8.245.865,379	180.734,325	1.074,34	279°58'58"	179°27'17"	163,385	0,764
3767	MF	8.245.850,303	180.722,953	1.074,00	274°23'49"	173°52'08"	172,792	0,429
3768	MF	8.245.848,660	180.742,953	1.073,76	274°21'28"	173°49'47"	152,724	0,188
3769	MF	8.245.859,768	180.751,456	1.074,03	278°58'35"	178°26'54"	145,563	0,453
3770	MF	8.245.868,061	180.757,668	1.074,22	282°42'04"	182°10'23"	141,019	0,644
3771	MF	8.245.872,960	180.762,093	1.074,37	285°05'30"	184°33'49"	137,899	0,791
3772	MF	8.245.874,998	180.766,337	1.074,40	286°24'07"	185°52'26"	134,368	0,828
3773	MF	8.245.875,199	180.770,905	1.074,44	287°03'20"	186°31'39"	130,051	0,864
3774	MF	8.245.874,545	180.773,130	1.074,43	287°04'04"	186°32'23"	127,732	0,854
3775	MF	8.245.864,479	180.793,249	1.074,19	285°03'01"	184°31'20"	105,610	0,615
3776	MF	8.245.853,512	180.809,149	1.074,23	280°49'20"	180°17'39"	87,646	0,658
3777	MF	8.245.841,737	180.837,133	1.073,91	274°36'23"	174°04'42"	58,291	0,339
3778	MF	8.245.837,493	180.857,217	1.073,76	270°39'35"	170°07'54"	38,022	0,183
3779	PON	8.245.838,791	180.831,891	1.073,90	271°34'10"	171°02'29"	63,369	0,321
3780	PON	8.245.841,500	180.833,153	1.073,91	274°05'41"	173°34'00"	62,242	0,333
3781	PON	8.245.843,393	180.828,481	1.073,94	275°25'23"	174°53'42"	67,055	0,367
3782	MF	8.245.832,759	180.870,938	1.073,61	259°58'23"	159°26'42"	24,675	0,034
3783	MF	8.245.822,681	180.890,113	1.073,62	199°36'58"	99°05'17"	15,261	0,044
3784	MF	8.245.812,923	180.918,170	1.073,68	136°27'33"	35°55'52"	33,292	0,101
3785	MF	8.245.810,278	180.923,266	1.073,59	133°41'26"	33°09'45"	38,765	0,016
3786	MF	8.245.805,838	180.927,615	1.073,32	133°57'16"	33°25'35"	44,977	-0,257
3787	MF	8.245.799,596	180.930,401	1.072,83	136°48'37"	36°16'56"	51,378	-0,748
3788	MF	8.245.788,160	180.931,099	1.072,18	143°44'29"	43°12'48"	60,638	-1,400
3789	BL	8.245.785,326	180.930,527	1.071,86	145°41'53"	45°10'12"	62,621	-1,718
3790	MF	8.245.771,545	180.926,868	1.071,62	154°13'36"	53°41'55"	72,747	-1,952
3791	MF	8.245.768,345	180.923,955	1.071,47	157°19'00"	56°47'19"	74,471	-2,102
3792	MF	8.245.767,448	180.921,132	1.071,44	159°35'38"	59°03'57"	74,268	-2,140
3793	MF	8.245.768,506	180.916,357	1.071,45	162°52'32"	62°20'51"	71,729	-2,130

Nome	Descrição	Norte	Este	Cota
L2		8.245.837,056	180.895,236	1.073,57

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
3794	MF	8.245.769,655	180.933,729	1.071,59	150°16'09"	49°44'28"	77,618	-1,987
3795	MF	8.245.768,110	180.939,395	1.071,53	147°21'40"	46°49'59"	81,874	-2,047
3796	MF	8.245.792,695	180.940,694	1.072,77	134°18'00"	33°46'19"	63,516	-0,808
3797	MF	8.245.794,811	180.941,845	1.072,95	132°11'18"	31°39'37"	62,904	-0,621
3798	MF	8.245.795,506	180.944,482	1.073,04	130°09'19"	29°37'38"	64,432	-0,533
3799	MF	8.245.793,073	180.946,654	1.072,97	130°32'36"	30°00'55"	67,663	-0,602
3800	MF	8.245.790,965	180.946,286	1.072,84	132°04'39"	31°32'58"	68,778	-0,740
3801	MF	8.245.801,666	180.949,447	1.073,57	123°08'15"	22°36'34"	64,740	-0,002
3802	MF	8.245.803,109	180.943,788	1.073,54	124°57'38"	24°25'57"	59,242	-0,036
3803	MF	8.245.807,722	180.945,176	1.073,77	120°25'45"	19°54'04"	57,918	0,191
3804	MF	8.245.806,011	180.950,841	1.073,81	119°10'30"	18°38'49"	63,684	0,238
3805	MF	8.245.757,625	180.947,912	1.071,38	146°26'56"	45°55'15"	95,310	-2,193
3806	MF	8.245.771,652	180.952,259	1.072,00	138°54'58"	38°23'17"	86,771	-1,576
3807	MF	8.245.772,372	180.948,628	1.071,89	140°27'47"	39°56'06"	83,873	-1,690
3808	MF	8.245.777,193	180.950,132	1.072,15	137°28'42"	36°57'01"	81,222	-1,422
3809	MF	8.245.779,598	180.952,019	1.072,30	135°20'18"	34°48'37"	80,782	-1,274
3810	MF	8.245.780,448	180.955,201	1.072,40	133°21'01"	32°49'20"	82,463	-1,172
3811	MF	8.245.779,710	180.959,187	1.072,38	131°52'59"	31°21'18"	85,896	-1,196
3812	CAL	8.245.777,271	180.958,728	1.072,32	133°16'40"	32°44'59"	87,209	-1,254
3813	MF	8.245.774,927	180.971,606	1.072,34	129°07'45"	28°36'04"	98,449	-1,235
3814	MF	8.245.785,837	180.975,746	1.072,72	122°27'49"	21°56'08"	95,421	-0,854
3815	MF	8.245.788,376	180.962,252	1.072,78	125°59'39"	25°27'58"	82,830	-0,790
3816	MF	8.245.786,453	180.961,738	1.072,69	127°16'07"	26°44'26"	83,565	-0,882
3817	MF	8.245.787,268	180.957,938	1.072,73	128°27'03"	27°55'22"	80,064	-0,847
3818	MF	8.245.789,035	180.956,756	1.072,89	127°58'30"	27°26'49"	78,043	-0,681
3819	MF	8.245.791,827	180.957,776	1.073,14	125°52'29"	25°20'48"	77,180	-0,432
3820	MF	8.245.793,750	180.961,341	1.073,42	123°13'46"	22°42'05"	79,026	-0,153
3821	MF	8.245.793,896	180.965,392	1.073,55	121°35'59"	21°04'18"	82,369	-0,025
3822	MF	8.245.791,891	180.979,052	1.073,70	118°19'07"	17°47'26"	95,210	0,121
3823	MF	8.245.788,908	180.998,503	1.073,81	114°59'50"	14°28'09"	113,940	0,240
3824	PVA	8.245.782,814	180.958,406	1.072,52	130°39'06"	30°07'25"	83,262	-1,055

Nome	Descrição	Norte	Este	Cota
AUX16		8.245.910,601	180.807,409	1.074,81

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
3825	CAL	8.245.901,884	180.811,821	1.074,33	153°09'27"	23°12'54"	9,771	-0,486
3826	CAL	8.245.901,023	180.813,434	1.074,31	147°49'41"	17°53'08"	11,316	-0,506
3827	CAL	8.245.899,653	180.811,266	1.074,23	160°35'40"	30°39'07"	11,608	-0,587
3828	CAL	8.245.896,701	180.806,945	1.073,90	181°54'42"	51°58'09"	13,909	-0,911
3829	CAL	8.245.895,312	180.806,237	1.073,88	184°23'03"	54°26'30"	15,335	-0,936
3830	CAL	8.245.897,369	180.803,987	1.073,92	194°29'56"	64°33'23"	13,667	-0,898
3831	CAL	8.245.898,981	180.804,676	1.074,03	193°14'01"	63°17'28"	11,937	-0,787
3832	CAL	8.245.904,840	180.800,883	1.074,40	228°33'42"	98°37'09"	8,705	-0,415
3833	CAL	8.245.904,007	180.799,575	1.074,29	229°54'26"	99°57'53"	10,240	-0,527
3834	MF	8.245.894,499	180.804,255	1.073,85	191°04'56"	61°08'23"	16,408	-0,958
3835	MF	8.245.899,861	180.801,383	1.073,80	209°17'51"	79°21'18"	12,316	-1,012
3836	MF	8.245.904,896	180.791,023	1.073,92	250°48'14"	120°51'41"	17,351	-0,896

Nome	Descrição	Norte	Este	Cota
AUX16		8.245.910,601	180.807,409	1.074,81

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
3837	MF	8.245.906,036	180.789,322	1.073,96	255°50'00"	125°53'27"	18,655	-0,856
3838	MF	8.245.910,343	180.786,434	1.074,18	269°17'38"	139°21'05"	20,976	-0,628
3839	MF	8.245.913,800	180.785,411	1.074,35	278°16'21"	148°19'48"	22,229	-0,462
3840	MF	8.245.917,338	180.786,209	1.074,68	287°37'41"	157°41'08"	22,244	-0,132
3841	MF	8.245.913,074	180.794,290	1.074,49	280°40'22"	150°43'49"	13,350	-0,320
3842	BLD	8.245.913,804	180.793,096	1.074,89	282°36'36"	152°40'03"	14,667	0,077
3843	MF	8.245.926,558	180.801,986	1.075,27	341°13'37"	211°17'04"	16,853	0,454
3844	MF	8.245.937,711	180.808,342	1.075,75	1°58'18"	232°01'45"	27,126	0,933
3845	MF	8.245.953,816	180.795,857	1.076,06	345°02'03"	215°05'30"	44,732	1,249
3846	MF	8.245.955,981	180.797,687	1.076,18	347°54'27"	217°57'54"	46,409	1,365
3847	MF	8.245.968,677	180.787,183	1.076,44	340°47'53"	210°51'20"	61,496	1,626
3848	MF	8.245.971,348	180.782,268	1.076,45	337°31'01"	207°34'28"	65,743	1,639
3849	MF	8.245.964,470	180.779,804	1.076,29	332°52'00"	202°55'27"	60,530	1,473
3850	MF	8.245.949,858	180.771,975	1.075,81	317°55'47"	187°59'14"	52,884	0,999
3851	MF	8.245.934,474	180.763,220	1.075,27	298°22'46"	168°26'13"	50,226	0,454
3852	MF	8.245.932,528	180.759,400	1.075,32	294°32'48"	164°36'15"	52,779	0,504
3853	MF	8.245.931,985	180.756,534	1.074,86	292°47'51"	162°51'18"	55,186	0,051
3854	MF	8.245.929,070	180.741,940	1.074,35	285°45'12"	155°48'39"	68,024	-0,466
3855	MF	8.245.928,889	180.739,710	1.074,10	285°07'00"	155°10'27"	70,125	-0,712
3856	MF	8.245.929,725	180.736,728	1.074,20	285°08'23"	155°11'50"	73,223	-0,611
3857	MF	8.245.925,338	180.744,292	1.074,24	283°08'32"	153°11'59"	64,815	-0,573
3858	MF	8.245.928,657	180.760,163	1.074,95	290°54'53"	160°58'20"	50,579	0,139
3859	MF	8.245.928,850	180.763,739	1.074,98	292°40'45"	162°44'12"	47,330	0,166
3860	MF	8.245.927,991	180.766,898	1.075,00	293°13'52"	163°17'19"	44,085	0,187
3861	MF	8.245.919,958	180.781,569	1.074,81	289°54'18"	159°57'45"	27,482	-0,004
3862	MF	8.245.912,861	180.781,133	1.074,24	274°54'56"	144°58'23"	26,373	-0,570
3863	MF	8.245.903,937	180.784,958	1.073,88	253°27'58"	123°31'25"	23,419	-0,932
3864	BL	8.245.916,078	180.761,107	1.074,19	276°44'43"	146°48'10"	46,625	-0,619

Nome	Descrição	Norte	Este	Cota
L3		8.245.804,290	181.293,170	1.076,28

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
3865	CAL-MF	8.245.792,368	181.086,806	1.074,04	266°41'37"	351°59'11"	206,708	-2,235
3866	CAL-MF	8.245.792,428	181.084,767	1.074,03	266°44'33"	352°02'07"	208,740	-2,248
3867	CAL-MF	8.245.808,287	181.085,245	1.073,89	271°06'05"	356°23'39"	207,964	-2,385
3868	CAL-MF	8.245.808,250	181.087,181	1.073,89	271°06'05"	356°23'39"	206,028	-2,384
3869	CAL-MF	8.245.816,175	181.279,794	1.076,52	311°37'27"	36°55'01"	17,893	0,238
3870	CAL-MF	8.245.816,466	181.282,180	1.076,56	317°55'51"	43°13'25"	16,402	0,283
3871	CAL-MF	8.245.801,861	181.293,329	1.076,04	176°14'49"	261°32'23"	2,434	-0,235
3872	CAL-MF	8.245.801,607	181.291,083	1.076,05	217°53'08"	303°10'42"	3,399	-0,229
3873	CAL-MF	8.245.790,831	181.291,252	1.076,23	188°06'38"	273°24'12"	13,594	-0,045
3874	CAL-MF	8.245.791,100	181.293,150	1.076,25	180°05'09"	265°22'43"	13,190	-0,024
3875	CAL-MF	8.245.780,317	181.297,284	1.076,33	170°15'47"	255°33'21"	24,323	0,050
3876	CAL-MF	8.245.779,071	181.295,811	1.076,33	174°01'16"	259°18'50"	25,356	0,050

Nome	Descrição	Norte	Este	Cota
L4		8.245.829,687	181.533,330	1.078,50

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
3877	TP	8.245.809,254	181.480,541	1.078,53	248°50'25"	344°52'37"	56,606	0,034
3878	PLS	8.245.821,173	181.501,833	1.078,49	254°52'26"	350°54'38"	32,627	-0,012
3879	PLS	8.245.822,295	181.509,453	1.078,57	252°47'47"	348°49'59"	24,995	0,071
3880	AV	8.245.811,879	181.498,539	1.078,86	242°53'35"	338°55'47"	39,084	0,361
3881	AV	8.245.815,739	181.499,427	1.078,51	247°38'11"	343°40'23"	36,660	0,011
3882	AV	8.245.811,464	181.502,029	1.078,66	239°47'33"	335°49'45"	36,219	0,158
3883	AV	8.245.811,119	181.505,003	1.078,71	236°45'19"	332°47'31"	33,870	0,208
3884	AV	8.245.815,366	181.507,815	1.078,61	240°41'42"	336°43'54"	29,260	0,111
3885	AV	8.245.810,492	181.508,312	1.078,77	232°30'08"	328°32'20"	31,534	0,276
3886	AV	8.245.809,961	181.511,739	1.078,78	227°35'04"	323°37'16"	29,245	0,287
3887	AV	8.245.816,555	181.521,312	1.078,71	222°27'52"	318°30'04"	17,801	0,216
3888	AV	8.245.815,563	181.528,348	1.079,00	199°25'50"	295°28'02"	14,977	0,505
3889	TP	8.245.816,279	181.532,002	1.078,92	185°39'15"	281°41'27"	13,474	0,425
3890	AV	8.245.825,356	181.572,307	1.079,06	96°20'30"	192°22'42"	39,217	0,558
3891	PLS	8.245.834,095	181.570,729	1.078,82	83°16'45"	179°18'57"	37,658	0,326
3892	PLS	8.245.830,743	181.579,740	1.078,98	88°41'50"	184°44'02"	46,422	0,481
3893	BRLT	8.245.832,713	181.568,261	1.078,85	85°02'58"	181°05'10"	35,062	0,352
3894	PLP	8.245.847,494	181.662,854	1.078,70	82°10'20"	178°12'32"	130,742	0,205
3895	PLS	8.245.833,014	181.644,328	1.079,35	88°17'01"	184°19'13"	111,048	0,851
3896	PLS	8.245.835,170	181.661,847	1.079,31	87°33'27"	183°35'39"	128,634	0,809
3897	PLS	8.245.836,300	181.668,566	1.079,19	87°12'03"	183°14'15"	135,398	0,693
3898	AV	8.245.849,599	181.696,210	1.079,05	83°01'49"	179°04'01"	164,092	0,552
3899	AV	8.245.854,694	181.724,139	1.078,83	82°32'01"	178°34'13"	192,440	0,333
3900	AV	8.245.868,215	181.712,292	1.078,98	77°51'02"	173°53'14"	183,062	0,481
3901	AV	8.245.869,236	181.716,620	1.078,96	77°49'26"	173°51'38"	187,508	0,460
3902	PLS	8.245.871,555	181.709,065	1.078,88	76°35'59"	172°38'11"	180,653	0,387
3903	PLS	8.245.870,542	181.702,164	1.078,95	76°23'49"	172°26'01"	173,707	0,454
3904	PLS	8.245.869,667	181.696,505	1.078,96	76°14'00"	172°16'12"	168,001	0,463
3905	PLS	8.245.863,562	181.682,080	1.079,20	77°10'16"	173°12'28"	152,558	0,699
3906	PLS	8.245.862,017	181.671,104	1.079,11	76°47'39"	172°49'51"	141,517	0,613
3907	AV	8.245.866,764	181.700,146	1.079,04	77°28'09"	173°30'21"	170,887	0,547
3908	AV	8.245.866,542	181.697,053	1.079,03	77°18'50"	173°21'02"	167,820	0,535
3909	AV	8.245.862,829	181.653,563	1.079,07	74°35'23"	170°37'35"	124,717	0,577
3910	LU	8.245.866,089	181.690,057	1.079,03	76°55'27"	172°57'39"	160,899	0,536
3911	LU	8.245.862,562	181.649,296	1.079,08	74°10'22"	170°12'34"	120,535	0,580
3912	AV	8.245.862,001	181.644,294	1.079,04	73°45'50"	169°48'02"	115,573	0,542
3913	AV	8.245.860,081	181.639,457	1.079,08	74°01'08"	170°03'20"	110,393	0,585
3914	AV	8.245.860,562	181.628,241	1.079,09	71°58'49"	168°01'01"	99,806	0,590
3915	AV	8.245.857,213	181.625,489	1.079,09	73°22'13"	169°24'25"	96,182	0,592
3916	AV	8.245.856,897	181.619,563	1.079,06	72°29'16"	168°31'28"	90,424	0,559
3917	AV	8.245.856,704	181.616,103	1.079,07	71°55'26"	167°57'38"	87,071	0,575
3918	AV	8.245.858,683	181.617,233	1.079,12	70°56'09"	166°58'21"	88,772	0,627
3919	AV	8.245.858,255	181.614,419	1.079,10	70°35'34"	166°37'46"	85,974	0,605
3920	PLS	8.245.862,315	181.617,466	1.079,12	68°48'15"	164°50'27"	90,241	0,619
3921	PLS	8.245.852,286	181.606,254	1.079,15	72°46'55"	168°49'07"	76,345	0,650
3922	LU	8.245.857,069	181.609,624	1.079,09	70°15'26"	166°17'38"	81,058	0,589
3923	AV	8.245.856,301	181.590,694	1.078,93	65°06'40"	161°08'52"	63,237	0,430
3924	AV	8.245.851,354	181.576,213	1.078,95	63°11'40"	159°13'52"	48,046	0,455

Nome	Descrição	Norte	Este	Cota
L4		8.245.829,687	181.533,330	1.078,50

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
3925	AV	8.245.849,900	181.570,858	1.079,14	61°41'37"	157°43'49"	42,625	0,646
3926	AV	8.245.853,861	181.570,840	1.078,90	57°12'02"	153°14'14"	44,625	0,401
3927	LU	8.245.851,402	181.570,233	1.079,66	59°31'36"	155°33'48"	42,817	1,161
3928	AV	8.245.850,766	181.563,415	1.079,05	54°59'00"	151°01'12"	36,734	0,556
3929	AV	8.245.848,030	181.564,614	1.079,07	59°36'54"	155°39'06"	36,265	0,570
3930	AV	8.245.848,032	181.555,008	1.078,98	49°45'40"	145°47'52"	28,398	0,485
3931	BRLT	8.245.847,088	181.566,218	1.079,09	62°07'03"	158°09'15"	37,207	0,597
3932	AV	8.245.844,795	181.550,112	1.079,00	48°00'24"	144°02'36"	22,580	0,506
3933	AV	8.245.843,328	181.545,010	1.078,99	40°34'16"	136°36'28"	17,958	0,489
3934	AV	8.245.850,199	181.542,538	1.078,79	24°10'35"	120°12'47"	22,483	0,294
3935	PLS	8.245.852,431	181.546,659	1.079,00	30°22'20"	126°24'32"	26,362	0,501
3936	PLS	8.245.850,039	181.537,539	1.078,95	11°41'10"	107°43'22"	20,782	0,448
3937	LU	8.245.841,270	181.531,435	1.079,07	350°42'25"	86°44'37"	11,737	0,569
3937	LU	8.245.845,798	181.530,944	1.078,93	351°34'38"	87°36'50"	16,286	0,437
3938	AV	8.245.841,377	181.517,476	1.078,84	306°24'06"	42°26'18"	19,697	0,338
3939	AV	8.245.840,031	181.508,682	1.078,77	292°45'55"	28°48'07"	26,730	0,269
3940	PLS	8.245.837,557	181.507,264	1.078,69	286°47'58"	22°50'10"	27,228	0,195
3941	LU	8.245.839,881	181.491,913	1.078,62	283°49'37"	19°51'49"	42,653	0,126
3942	PLS	8.245.840,906	181.467,498	1.078,38	279°40'17"	15°42'29"	66,781	-0,122
3943	PLS	8.245.827,758	181.452,594	1.078,26	268°37'52"	4°40'04"	80,759	-0,234
3944	LU	8.245.833,682	181.452,535	1.078,43	272°49'49"	8°52'01"	80,893	-0,067
3945	AV	8.245.857,846	181.450,141	1.078,21	288°42'02"	24°44'14"	87,825	-0,288
3946	AV	8.245.836,111	181.458,588	1.078,46	274°54'43"	10°56'55"	75,017	-0,035
3947	AV	8.245.833,345	181.460,447	1.078,47	272°52'24"	8°54'36"	72,975	-0,028
3948	AV	8.245.856,807	181.454,671	1.078,51	289°01'22"	25°03'34"	83,203	0,014
3949	AV	8.245.859,123	181.445,796	1.078,25	288°35'12"	24°37'24"	92,350	-0,247
3950	AV	8.245.861,943	181.458,232	1.078,28	293°14'39"	29°16'51"	81,732	-0,219
3951	AV	8.245.865,057	181.450,171	1.078,14	293°02'29"	29°04'41"	90,368	-0,359
3952	AV	8.245.865,429	181.458,181	1.078,46	295°26'11"	31°28'23"	83,216	-0,035
3953	AV	8.245.867,495	181.451,479	1.078,61	294°47'34"	30°49'46"	90,161	0,108
3954	PLP	8.245.857,315	181.460,156	1.078,43	290°41'04"	26°43'16"	78,216	-0,068
3955	PLP	8.245.856,987	181.474,840	1.078,37	295°01'12"	31°03'24"	64,547	-0,127
3956	LU	8.245.859,614	181.477,577	1.078,38	298°13'34"	34°15'46"	63,277	-0,120
3957	AV	8.245.863,716	181.496,177	1.078,56	312°29'14"	48°31'26"	50,381	0,060
3958	AV	8.245.866,825	181.497,520	1.078,43	316°02'35"	52°04'47"	51,590	-0,063
3959	AV	8.245.867,852	181.500,470	1.078,58	319°16'17"	55°18'29"	50,361	0,087
3960	LU	8.245.864,356	181.513,223	1.078,49	329°53'13"	65°55'25"	40,077	-0,012
3961	AV	8.245.865,383	181.524,122	1.078,43	345°32'06"	81°34'18"	36,864	-0,067
3962	PLS	8.245.866,497	181.536,180	1.078,58	4°25'37"	100°27'49"	36,920	0,080
3963	PLS	8.245.864,086	181.544,045	1.078,74	17°18'08"	113°20'20"	36,029	0,246
3964	AV	8.245.867,748	181.544,327	1.078,60	16°06'58"	112°09'10"	39,617	0,104
3965	AV	8.245.869,400	181.555,603	1.078,74	29°17'08"	125°19'20"	45,532	0,241
3966	LU	8.245.868,607	181.547,529	1.078,64	20°02'37"	116°04'49"	41,429	0,138
3967	AV	8.245.871,217	181.573,714	1.078,91	44°11'55"	140°14'07"	57,928	0,415
3968	AV	8.245.871,938	181.578,223	1.078,91	46°44'12"	142°46'24"	61,648	0,412
3969	LU	8.245.874,534	181.586,013	1.079,37	49°35'39"	145°37'51"	69,186	0,875
3970	AV	8.245.874,531	181.589,335	1.079,43	51°18'55"	147°21'07"	71,746	0,928
3971	AV	8.245.879,027	181.596,486	1.079,51	52°00'06"	148°02'18"	80,144	1,008

Nome	Descrição	Norte	Este	Cota
L4		8.245.829,687	181.533,330	1.078,50

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
3972	AV	8.245.874,782	181.596,871	1.079,45	54°38'12"	150°40'24"	77,916	0,948
3973	AV	8.245.880,451	181.602,440	1.079,45	53°42'07"	149°44'19"	85,751	0,956
3974	AV	8.245.879,363	181.604,229	1.079,04	54°58'59"	151°01'11"	86,570	0,538
3975	AV	8.245.881,599	181.606,562	1.079,07	54°40'07"	150°42'19"	89,765	0,573
3976	AV	8.245.880,095	181.613,868	1.079,10	57°57'30"	153°59'42"	95,012	0,602
3977	PLS	8.245.874,012	181.616,073	1.079,09	61°49'22"	157°51'34"	93,867	0,596
3978	LU	8.245.879,372	181.623,639	1.079,05	61°10'56"	157°13'08"	103,074	0,557
3979	AV	8.245.883,342	181.632,044	1.079,15	61°28'28"	157°30'40"	112,353	0,657
3980	AV	8.245.882,714	181.647,726	1.079,19	65°07'51"	161°10'03"	126,088	0,695
3981	AV	8.245.884,066	181.646,554	1.079,17	64°20'47"	160°22'59"	125,605	0,673
3982	AV	8.245.878,839	181.650,476	1.079,19	67°14'18"	163°16'30"	127,040	0,696
3982	BRLT	8.245.878,852	181.650,507	1.079,20	67°14'18"	163°16'30"	127,073	0,698
3983	LU	8.245.884,023	181.657,691	1.079,35	66°23'55"	162°26'07"	135,713	0,848
3984	AV	8.245.887,778	181.664,010	1.079,43	66°02'02"	162°04'14"	143,010	0,932
3985	AV	8.245.884,886	181.671,460	1.079,21	68°13'04"	164°15'16"	148,751	0,709
3986	AV	8.245.888,625	181.676,100	1.079,13	67°34'06"	163°36'18"	154,457	0,633
3987	AV	8.245.887,656	181.689,334	1.079,19	69°36'57"	165°39'09"	166,426	0,692
3988	AV	8.245.892,143	181.706,639	1.079,06	70°10'56"	166°13'08"	184,219	0,563
3989	PLS	8.245.898,855	181.715,982	1.079,02	69°15'33"	165°17'45"	195,309	0,518
3990	AV	8.245.888,431	181.700,593	1.079,21	70°38'55"	166°41'07"	177,278	0,717
3991	CAL	8.245.851,108	181.442,422	1.077,89	283°15'32"	19°17'44"	93,398	-0,603
3992	CAL	8.245.852,668	181.442,250	1.077,95	284°09'40"	20°11'52"	93,934	-0,545
3993	CAL	8.245.862,903	181.441,157	1.077,89	289°49'03"	25°51'15"	97,975	-0,603
3994	PON	8.245.852,905	181.443,232	1.077,95	284°27'01"	20°29'13"	93,042	-0,543
3995	PON	8.245.853,602	181.448,259	1.078,02	285°42'06"	21°44'18"	88,368	-0,474
3996	PON	8.245.856,613	181.447,786	1.077,95	287°28'19"	23°30'31"	89,681	-0,544
3997	CAL	8.245.866,053	181.466,525	1.078,10	298°33'43"	34°35'55"	76,062	-0,394
3998	CAL	8.245.881,106	181.464,497	1.078,03	306°45'37"	42°47'49"	85,918	-0,472
3999	CAL	8.245.865,440	181.468,534	1.078,15	298°53'19"	34°55'31"	74,006	-0,343
4000	CAL	8.245.856,420	181.469,870	1.078,19	292°50'37"	28°52'49"	68,861	-0,312
4001	CAL	8.245.854,955	181.470,082	1.078,17	291°46'35"	27°48'47"	68,109	-0,328
4002	BL	8.245.853,754	181.473,109	1.077,95	291°47'01"	27°49'13"	64,852	-0,544
4003	PVE	8.245.854,660	181.458,366	1.078,10	288°25'29"	24°27'41"	79,014	-0,394
4004	PVA	8.245.855,418	181.464,088	1.078,13	290°23'08"	26°25'20"	73,869	-0,371
4005	PVT	8.245.857,855	181.466,063	1.078,25	292°43'17"	28°45'29"	72,927	-0,251
4006	PVT	8.245.875,222	181.463,642	1.078,01	303°09'40"	39°11'52"	83,246	-0,489
4007	PVE	8.245.864,943	181.468,583	1.078,18	298°34'07"	34°36'19"	73,723	-0,314
4008	PVA	8.245.861,521	181.472,230	1.078,71	297°31'11"	33°33'23"	68,895	0,214
4009	C	8.245.861,510	181.472,681	1.078,21	297°41'11"	33°43'23"	68,491	-0,288
4010	BL	8.245.868,329	181.471,485	1.078,19	301°59'53"	38°02'05"	72,925	-0,304
4011	MF	8.245.868,197	181.470,998	1.078,26	301°42'30"	37°44'42"	73,268	-0,241
4012	MF	8.245.880,437	181.469,676	1.078,18	308°33'51"	44°36'03"	81,409	-0,313
4013	MU	8.245.881,624	181.470,437	1.078,24	309°32'59"	45°35'11"	81,566	-0,262
4014	CAL	8.245.867,008	181.477,439	1.078,41	303°43'59"	39°46'11"	67,206	-0,092
4015	CAL	8.245.867,364	181.479,497	1.078,39	304°59'13"	41°01'25"	65,708	-0,109
4016	CAL	8.245.858,809	181.486,024	1.078,31	301°36'59"	37°39'11"	55,551	-0,186
4017	CAL	8.245.858,337	181.483,773	1.078,30	300°01'59"	36°04'11"	57,242	-0,198
4018	CAL	8.245.856,940	181.484,689	1.078,28	299°15'41"	35°17'53"	55,755	-0,218

Nome	Descrição	Norte	Este	Cota
L4		8.245.829,687	181.533,330	1.078,50

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
4019	CAL	8.245.857,233	181.487,111	1.078,29	300°47'37"	36°49'49"	53,805	-0,204
4020	CAL-MF	8.245.855,994	181.487,937	1.078,23	300°05'39"	36°07'51"	52,465	-0,265
4021	CAL-MF	8.245.855,576	181.485,640	1.078,27	298°29'45"	34°31'57"	54,264	-0,226
4022	MU	8.245.883,806	181.485,311	1.078,46	318°25'03"	54°27'15"	72,351	-0,037
4023	MF	8.245.882,707	181.486,155	1.078,47	318°20'20"	54°22'32"	70,969	-0,031
4024	MF	8.245.870,436	181.487,965	1.078,25	311°55'53"	47°58'05"	60,979	-0,249
4025	CAL	8.245.868,784	181.490,546	1.078,46	312°25'18"	48°27'30"	57,958	-0,035
4026	PC	8.245.885,114	181.501,160	1.078,50	329°52'08"	65°54'20"	64,086	0,004
4027	MU	8.245.885,844	181.501,219	1.078,60	330°14'18"	66°16'30"	64,689	0,103
4028	MF	8.245.884,746	181.501,827	1.078,37	330°13'24"	66°15'36"	63,434	-0,126
4029	MF	8.245.872,561	181.503,380	1.078,31	325°03'47"	61°05'59"	52,299	-0,184
4030	CAL	8.245.870,573	181.503,698	1.078,49	324°04'03"	60°06'15"	50,495	-0,010
4031	CAL	8.245.861,290	181.505,291	1.078,47	318°25'09"	54°27'21"	42,248	-0,029
4032	CAL	8.245.859,812	181.505,548	1.078,44	317°18'59"	53°21'11"	40,980	-0,055
4033	MF	8.245.858,170	181.506,099	1.078,29	316°17'13"	52°19'25"	39,406	-0,204
4034	PCT	8.245.864,383	181.475,820	1.078,42	301°06'10"	37°08'22"	67,165	-0,077
4035	PC	8.245.874,669	181.467,782	1.078,40	304°27'35"	40°29'47"	79,497	-0,099
4036	MU	8.245.888,063	181.517,182	1.078,60	344°32'15"	80°34'27"	60,567	0,098
4037	MU	8.245.889,182	181.524,878	1.078,59	351°54'51"	87°57'03"	60,092	0,093
4038	MF	8.245.887,896	181.525,081	1.078,50	351°56'02"	87°58'14"	58,790	0,007
4039	MF	8.245.883,002	181.525,731	1.078,47	351°53'19"	87°55'31"	53,854	-0,025
4040	MF	8.245.875,789	181.526,553	1.078,39	351°38'15"	87°40'27"	46,597	-0,111
4041	CAL	8.245.873,731	181.526,682	1.078,57	351°24'59"	87°27'11"	44,542	0,074
4042	CAL	8.245.864,502	181.528,210	1.078,52	351°38'02"	87°40'14"	35,189	0,018
4043	CAL	8.245.862,977	181.528,433	1.078,53	351°37'57"	87°40'09"	33,648	0,028
4044	MF	8.245.861,396	181.528,708	1.078,41	351°42'22"	87°44'34"	32,044	-0,088
4045	BL	8.245.863,400	181.543,045	1.078,43	16°04'33"	112°06'45"	35,085	-0,066
4046	CAL	8.245.864,827	181.542,263	1.078,62	14°15'48"	110°18'00"	36,257	0,121
4047	CAL	8.245.866,270	181.541,929	1.078,64	13°13'38"	109°15'50"	37,580	0,139
4048	CAL	8.245.875,449	181.540,575	1.078,65	8°59'49"	105°02'01"	46,332	0,148
4049	BL	8.245.877,644	181.540,853	1.078,47	8°54'55"	104°57'07"	48,543	-0,032
4050	MF	8.245.884,858	181.539,838	1.078,53	6°43'41"	102°45'53"	55,553	0,033
4051	MU	8.245.885,970	181.539,503	1.078,72	6°15'35"	102°17'47"	56,620	0,223
4052	PVA	8.245.870,770	181.541,705	1.078,94	11°31'20"	107°33'32"	41,928	0,444
4053	C	8.245.870,391	181.541,539	1.078,63	11°24'08"	107°26'20"	41,523	0,134
4054	C	8.245.869,251	181.549,769	1.078,74	22°33'50"	118°36'02"	42,843	0,239
4055	PVT	8.245.869,451	181.550,357	1.078,86	23°10'54"	119°13'06"	43,256	0,364
4056	PC	8.245.874,032	181.547,518	1.078,72	17°44'33"	113°46'45"	46,559	0,219
4057	PC	8.245.886,467	181.549,596	1.078,63	15°59'09"	112°01'21"	59,063	0,136
4058	MU	8.245.888,707	181.559,335	1.078,84	23°46'44"	119°48'56"	64,495	0,344
4059	MF	8.245.887,493	181.559,554	1.078,64	24°24'07"	120°26'19"	63,475	0,139
4060	MF	8.245.880,264	181.560,731	1.078,62	28°26'52"	124°29'04"	57,522	0,122
4061	CAL	8.245.878,263	181.561,131	1.078,78	29°47'01"	125°49'13"	55,968	0,282
4062	CAL	8.245.869,102	181.562,330	1.078,81	36°20'40"	132°22'52"	48,933	0,310
4063	CAL	8.245.867,568	181.562,291	1.078,76	37°23'58"	133°26'10"	47,684	0,258
4064	MF	8.245.865,869	181.562,399	1.078,64	38°46'43"	134°48'55"	46,413	0,144
4065	MF	8.245.891,416	181.579,292	1.079,13	36°40'14"	132°42'26"	76,961	0,635
4065	MU	8.245.891,429	181.579,300	1.079,13	36°40'12"	132°42'24"	76,976	0,635

Nome	Descrição	Norte	Este	Cota
L4		8.245.829,687	181.533,330	1.078,50

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
4066	MF	8.245.890,212	181.579,414	1.078,82	37°17'11"	133°19'23"	76,072	0,323
4067	MF	8.245.882,985	181.580,126	1.078,86	41°17'01"	137°19'13"	70,926	0,363
4068	CAL	8.245.880,838	181.580,097	1.078,99	42°26'12"	138°28'24"	69,307	0,497
4069	CAL	8.245.871,709	181.581,953	1.078,97	49°09'55"	145°12'07"	64,265	0,474
4070	CAL	8.245.870,127	181.581,991	1.078,96	50°16'17"	146°18'29"	63,271	0,462
4071	MF	8.245.868,685	181.582,222	1.078,83	51°25'22"	147°27'34"	62,540	0,334
4072	PC	8.245.892,071	181.589,057	1.079,02	41°46'27"	137°48'39"	83,649	0,524
4073	MU	8.245.894,125	181.599,111	1.079,20	45°35'28"	141°37'40"	92,084	0,702
4074	MF	8.245.892,882	181.599,132	1.078,96	46°09'29"	142°11'41"	91,232	0,462
4075	MF	8.245.885,641	181.599,339	1.078,85	49°42'47"	145°44'59"	86,533	0,351
4076	CAL	8.245.883,638	181.600,594	1.079,06	51°16'05"	147°18'17"	86,227	0,560
4077	CAL	8.245.874,364	181.601,080	1.079,03	56°35'52"	152°38'04"	81,154	0,532
4078	CAL	8.245.872,791	181.601,344	1.079,14	57°38'08"	153°40'20"	80,522	0,640
4079	MF	8.245.871,276	181.602,014	1.078,92	58°48'18"	154°50'30"	80,294	0,420
4080	CAL-MF	8.245.872,449	181.610,498	1.078,92	61°00'28"	157°02'40"	88,223	0,424
4081	CAL-MF	8.245.872,706	181.612,441	1.078,90	61°27'49"	157°30'01"	90,051	0,407
4082	CAL	8.245.874,372	181.614,035	1.079,03	61°01'39"	157°03'51"	92,250	0,535
4083	CAL	8.245.874,144	181.610,645	1.079,03	60°06'03"	156°08'15"	89,185	0,532
4084	CAL	8.245.876,264	181.611,896	1.079,05	59°20'20"	155°22'32"	91,334	0,550
4085	CAL	8.245.876,269	181.614,638	1.079,05	60°11'30"	156°13'42"	93,706	0,556
4086	CAL	8.245.886,974	181.626,619	1.079,09	58°26'49"	154°29'01"	109,474	0,596
4087	CAL	8.245.886,802	181.624,248	1.079,02	57°51'48"	153°54'00"	107,369	0,526
4088	PC	8.245.883,626	181.619,458	1.079,21	57°56'34"	153°58'46"	101,623	0,713
4089	PVA	8.245.880,996	181.615,852	1.079,35	58°07'43"	154°09'55"	97,172	0,853
4090	BL	8.245.887,792	181.615,097	1.078,91	54°36'07"	150°38'19"	100,310	0,417
4091	MU	8.245.896,657	181.618,483	1.079,29	51°48'59"	147°51'11"	108,332	0,792
4092	MF	8.245.895,564	181.618,816	1.079,08	52°22'54"	148°25'06"	107,924	0,583
4093	PC	8.245.897,338	181.628,595	1.079,21	54°37'14"	150°39'26"	116,842	0,715
4094	MU	8.245.900,844	181.648,728	1.079,24	58°20'29"	154°22'41"	135,573	0,746
4095	MF	8.245.899,567	181.648,660	1.079,08	58°47'17"	154°49'29"	134,849	0,584
4096	MF	8.245.892,405	181.649,419	1.078,94	61°37'11"	157°39'23"	131,947	0,444
4097	CAL	8.245.890,360	181.647,028	1.079,01	61°54'52"	157°57'04"	128,874	0,510
4098	CAL	8.245.880,798	181.647,893	1.079,18	65°57'24"	161°59'36"	125,448	0,679
4099	CAL	8.245.879,186	181.647,908	1.079,17	66°38'07"	162°40'19"	124,813	0,676
4100	MF	8.245.877,546	181.648,068	1.079,02	67°21'31"	163°23'43"	124,319	0,518
4101	MF	8.245.881,099	181.638,109	1.079,27	63°51'52"	159°54'04"	116,713	0,768
4101	MF	8.245.879,767	181.664,012	1.079,11	69°01'57"	165°04'09"	139,949	0,610
4102	MF	8.245.886,267	181.685,352	1.079,11	69°35'09"	165°37'21"	162,210	0,612
4103	PVT	8.245.881,091	181.638,114	1.079,27	63°52'09"	159°54'21"	116,714	0,773
4104	MU	8.245.903,377	181.668,535	1.079,26	61°24'31"	157°26'43"	153,982	0,764
4105	PC	8.245.902,969	181.668,348	1.079,16	61°30'32"	157°32'44"	153,623	0,665
4106	MF	8.245.902,280	181.668,642	1.078,95	61°47'14"	157°49'26"	153,555	0,454
4107	MF	8.245.895,103	181.669,189	1.078,91	64°17'22"	160°19'34"	150,788	0,408
4108	CAL	8.245.892,968	181.669,365	1.079,01	65°03'12"	161°05'24"	150,034	0,509
4109	CAL	8.245.884,535	181.672,626	1.079,19	68°30'30"	164°32'42"	149,705	0,694
4110	CAL	8.245.883,089	181.673,104	1.079,18	69°05'26"	165°07'38"	149,628	0,685
4111	MF	8.245.882,579	181.673,237	1.079,14	69°17'28"	165°19'40"	149,571	0,646
4112	MU	8.245.906,292	181.688,315	1.079,06	63°41'53"	159°44'05"	172,883	0,566

Nome	Descrição	Norte	Este	Cota
L4		8.245.829,687	181.533,330	1.078,50

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
4113	MF	8.245.904,947	181.688,593	1.078,90	64°08'22"	160°10'34"	172,542	0,399
4114	MF	8.245.897,901	181.689,365	1.078,77	66°23'12"	162°25'24"	170,293	0,276
4115	CAL	8.245.895,789	181.689,814	1.078,95	67°06'00"	163°08'12"	169,873	0,454
4116	CAL	8.245.891,933	181.691,167	1.079,00	68°28'39"	164°30'51"	169,667	0,504
4117	CAL	8.245.890,380	181.691,513	1.079,09	69°00'32"	165°02'44"	169,427	0,588
4118	MF	8.245.887,100	181.692,050	1.079,09	70°06'50"	166°09'02"	168,784	0,589
4119	PC	8.245.893,454	181.690,919	1.079,04	67°58'12"	164°00'24"	170,001	0,545
4120	PC	8.245.897,253	181.717,507	1.079,54	69°51'16"	165°53'28"	196,179	1,038
4121	PC	8.245.908,587	181.708,109	1.079,10	65°42'16"	161°44'28"	191,763	0,598
4122	BL	8.245.898,659	181.696,680	1.078,91	67°06'33"	163°08'45"	177,314	0,414
4123	MF	8.245.900,418	181.707,817	1.078,76	67°56'03"	163°58'15"	188,278	0,264
4124	MF	8.245.901,341	181.714,837	1.078,87	68°27'27"	164°29'39"	195,138	0,375
4125	MF	8.245.900,845	181.717,483	1.078,90	68°52'24"	164°54'36"	197,423	0,406
4126	MF	8.245.898,375	181.718,922	1.079,03	69°41'26"	165°43'38"	197,895	0,529
4127	MF	8.245.895,078	181.719,412	1.079,03	70°38'17"	166°40'29"	197,237	0,529
4128	MF	8.245.891,956	181.716,895	1.079,04	71°15'44"	167°17'56"	193,838	0,540
4129	MF	8.245.889,162	181.708,214	1.079,07	71°13'04"	167°15'16"	184,720	0,574
4130	MF	8.245.908,025	181.711,000	1.079,00	66°12'24"	162°14'36"	194,174	0,502
4131	MF	8.245.908,948	181.715,618	1.078,96	66°30'01"	162°32'13"	198,774	0,460
4132	MF	8.245.910,033	181.716,606	1.078,96	66°19'41"	162°21'53"	200,114	0,463
4133	MF	8.245.910,602	181.716,854	1.078,96	66°12'28"	162°14'40"	200,570	0,464
4134	MF	8.245.911,841	181.724,276	1.079,16	66°43'14"	162°45'26"	207,869	0,666
4135	MF	8.245.895,877	181.726,559	1.079,44	71°05'29"	167°07'41"	204,252	0,945
4136	MF	8.245.893,598	181.729,178	1.079,14	71°55'38"	167°57'50"	206,012	0,643
4137	MF	8.245.893,406	181.733,398	1.079,15	72°20'03"	168°22'15"	209,969	0,656
4138	MF	8.245.895,467	181.754,304	1.079,32	73°25'22"	169°27'34"	230,557	0,822
4139	MF	8.245.880,941	181.750,170	1.079,51	76°42'05"	172°44'17"	222,815	1,012
4140	MF	8.245.878,937	181.735,193	1.079,42	76°17'21"	172°19'33"	207,784	0,918
4141	MF	8.245.873,505	181.717,755	1.079,48	76°38'06"	172°40'18"	189,559	0,986
4142	MF	8.245.872,410	181.737,286	1.079,81	78°10'10"	174°12'22"	208,382	1,308
4143	MF	8.245.867,074	181.720,287	1.079,46	78°41'30"	174°43'42"	190,658	0,965
4144	MF	8.245.863,865	181.696,810	1.079,41	78°11'30"	174°13'42"	167,014	0,914
4145	MF	8.245.862,230	181.684,261	1.079,42	77°49'58"	173°52'10"	154,400	0,920
4146	MF	8.245.862,789	181.681,767	1.079,41	77°25'44"	173°27'56"	152,083	0,909
4147	MF	8.245.864,841	181.680,567	1.079,38	76°34'19"	172°36'31"	151,375	0,878
4148	MF	8.245.866,992	181.682,336	1.079,39	75°56'41"	171°58'53"	153,605	0,892
4149	MF	8.245.868,531	181.686,494	1.079,39	75°46'10"	171°48'22"	158,013	0,896
4150	MF	8.245.870,043	181.671,094	1.079,31	73°40'23"	169°42'35"	143,553	0,811
4151	MF	8.245.860,626	181.672,309	1.079,40	77°27'00"	173°29'12"	142,381	0,900
4152	MF	8.245.867,166	181.649,468	1.079,31	72°06'53"	168°09'05"	122,035	0,809
4153	MF	8.245.857,719	181.650,903	1.079,42	76°35'24"	172°37'36"	120,869	0,923
4154	MF	8.245.864,412	181.628,518	1.079,21	69°57'30"	165°59'42"	101,324	0,714
4155	MF	8.245.854,844	181.629,927	1.079,29	75°24'11"	171°26'23"	99,819	0,796
4156	CAL-MF	8.245.862,146	181.612,353	1.079,20	67°40'10"	163°42'22"	85,429	0,705
4157	CAL-MF	8.245.861,836	181.610,395	1.079,20	67°21'22"	163°23'34"	83,502	0,705
4158	MF	8.245.852,333	181.611,466	1.079,24	73°50'15"	169°52'27"	81,352	0,742
4159	CAL-MF	8.245.852,275	181.611,447	1.079,24	73°52'23"	169°54'35"	81,317	0,743
4160	CAL-MF	8.245.852,607	181.613,417	1.079,25	74°01'47"	170°03'59"	83,302	0,750

Nome	Descrição	Norte	Este	Cota
L4		8.245.829,687	181.533,330	1.078,50

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
4161	MF	8.245.859,644	181.593,944	1.079,11	63°42'02"	159°44'14"	67,612	0,615
4162	MF	8.245.850,067	181.595,897	1.079,15	71°57'31"	167°59'43"	65,802	0,656
4163	MF	8.245.856,306	181.569,598	1.078,95	53°43'25"	149°45'37"	44,988	0,452
4164	MF	8.245.846,648	181.571,832	1.079,06	66°13'33"	162°15'45"	42,073	0,558
4165	MF	8.245.853,147	181.546,564	1.078,81	29°25'40"	125°27'52"	26,934	0,311
4166	MF	8.245.843,097	181.547,883	1.078,88	47°20'30"	143°22'42"	19,789	0,385
4167	MF	8.245.850,605	181.527,894	1.078,69	345°26'00"	81°28'12"	21,613	0,193
4168	MF	8.245.840,283	181.529,642	1.078,75	340°48'33"	76°50'45"	11,219	0,251
4169	MF	8.245.848,943	181.515,945	1.078,54	317°55'18"	53°57'30"	25,943	0,047
4170	MF	8.245.838,506	181.518,143	1.078,60	300°08'29"	36°10'41"	17,562	0,098
4171	CAL-MF	8.245.846,185	181.495,291	1.078,34	293°26'48"	29°29'00"	41,462	-0,154
4172	CAL-MF	8.245.845,822	181.492,904	1.078,29	291°45'27"	27°47'39"	43,527	-0,203
4173	CAL-MF	8.245.835,617	181.500,402	1.078,43	280°12'33"	16°14'45"	33,458	-0,067
4174	CAL-MF	8.245.836,027	181.502,843	1.078,46	281°44'51"	17°47'03"	31,139	-0,037
4175	CAL-MF	8.245.842,845	181.471,426	1.078,10	281°59'59"	18°02'11"	63,287	-0,398
4176	CAL-MF	8.245.842,477	181.468,479	1.078,04	281°09'23"	17°11'35"	66,100	-0,457
4177	CAL-MF	8.245.832,527	181.482,162	1.078,26	273°10'35"	9°12'47"	51,247	-0,233
4178	CAL-MF	8.245.833,036	181.485,285	1.078,32	273°59'15"	10°01'27"	48,162	-0,182
4179	PON	8.245.804,584	181.462,445	1.078,33	250°29'55"	346°32'07"	75,198	-0,165
4180	PON	8.245.805,999	181.462,070	1.078,28	251°36'45"	347°38'57"	75,094	-0,217
4181	PON	8.245.805,121	181.457,257	1.078,22	252°06'11"	348°08'23"	79,942	-0,278
4182	RG	8.245.808,743	181.467,289	1.078,43	252°24'15"	348°26'27"	69,282	-0,063
4183	MF	8.245.808,174	181.463,277	1.077,94	252°55'43"	348°57'55"	73,282	-0,562
4184	MF	8.245.803,802	181.464,072	1.078,26	249°30'24"	345°32'36"	73,938	-0,236
4185	CAL	8.245.807,237	181.466,313	1.078,33	251°28'45"	347°30'57"	70,677	-0,168
4186	CAL	8.245.806,550	181.466,569	1.078,35	250°53'07"	346°55'19"	70,656	-0,143
4187	MU	8.245.796,758	181.469,720	1.078,29	242°37'49"	338°40'01"	71,628	-0,208
4188	MU	8.245.800,377	181.486,449	1.078,33	237°59'10"	334°01'22"	55,290	-0,165
4189	MF	8.245.800,673	181.486,483	1.078,33	238°13'42"	334°15'54"	55,105	-0,168
4190	MF	8.245.807,809	181.485,780	1.078,39	245°17'32"	341°19'44"	52,342	-0,113
4191	MF	8.245.808,312	181.488,830	1.078,40	244°20'37"	340°22'49"	49,368	-0,093
4192	MF	8.245.808,476	181.494,026	1.078,42	241°38'45"	337°40'57"	44,663	-0,082
4193	MF	8.245.807,378	181.501,266	1.078,44	235°10'14"	331°12'26"	39,062	-0,062
4194	MF	8.245.805,214	181.511,313	1.078,57	221°58'32"	318°00'44"	32,920	0,075
4195	MF	8.245.798,109	181.510,940	1.078,50	215°20'19"	311°22'31"	38,710	-0,002
4196	MF	8.245.800,693	181.498,949	1.078,39	229°51'30"	325°53'42"	44,975	-0,110
4197	PC	8.245.808,840	181.488,304	1.078,59	245°09'19"	341°11'31"	49,618	0,094
4198	CAL	8.245.810,358	181.487,763	1.078,57	247°00'48"	343°03'00"	49,497	0,074
4199	CAL	8.245.810,645	181.494,902	1.078,62	243°38'24"	339°40'36"	42,887	0,121
4200	CAL	8.245.808,891	181.504,657	1.078,67	234°02'49"	330°05'01"	35,421	0,172
4201	CAL	8.245.806,398	181.516,338	1.078,80	216°06'54"	312°09'06"	28,830	0,307
4202	CAL	8.245.804,216	181.526,598	1.078,95	194°48'18"	290°50'30"	26,346	0,452
4203	CAL	8.245.813,925	181.518,265	1.078,75	223°42'17"	319°44'29"	21,804	0,249
4204	CAL	8.245.822,657	181.510,122	1.078,50	253°08'47"	349°10'59"	24,250	0,007
4205	CAL	8.245.822,918	181.509,089	1.078,49	254°23'54"	350°26'06"	25,168	-0,005
4206	CAL	8.245.820,387	181.494,419	1.078,38	256°33'26"	352°35'38"	40,007	-0,119
4207	CAL	8.245.816,722	181.486,670	1.078,34	254°28'16"	350°30'28"	48,428	-0,161
4208	CAL	8.245.811,353	181.475,350	1.078,31	252°27'09"	348°29'21"	60,810	-0,183

Nome	Descrição	Norte	Este	Cota
L4		8.245.829,687	181.533,330	1.078,50

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
4209	MF	8.245.822,413	181.493,455	1.078,19	259°39'38"	355°41'50"	40,533	-0,308
4210	MF	8.245.825,201	181.510,894	1.078,35	258°41'31"	354°43'43"	22,881	-0,148
4211	MF	8.245.823,390	181.513,495	1.078,39	252°23'07"	348°25'19"	20,811	-0,105
4212	CAL	8.245.820,972	181.514,848	1.078,56	244°45'10"	340°47'22"	20,434	0,058
4213	CAL	8.245.818,967	181.529,756	1.078,78	198°26'13"	294°28'25"	11,301	0,286
4214	CAL	8.245.806,440	181.527,734	1.078,98	193°32'06"	289°34'18"	23,911	0,479
4215	QQ	8.245.810,708	181.536,434	1.079,05	170°42'46"	266°44'58"	19,231	0,556
4216	QQ	8.245.811,888	181.530,059	1.078,97	190°24'48"	286°27'00"	18,097	0,475
4217	QQ	8.245.805,570	181.528,929	1.079,01	190°20'33"	286°22'45"	24,516	0,510
4218	MF	8.245.821,128	181.529,904	1.078,58	201°48'53"	297°51'05"	9,219	0,085
4219	MF	8.245.818,846	181.536,257	1.078,65	164°53'27"	260°55'39"	11,230	0,152
4220	MF	8.245.812,198	181.541,005	1.078,72	156°18'17"	252°20'29"	19,099	0,225
4221	MF	8.245.804,684	181.543,146	1.078,83	158°33'56"	254°36'08"	26,861	0,336
4222	MF	8.245.800,311	181.541,335	1.078,86	164°45'27"	260°47'39"	30,448	0,365
4223	MF	8.245.799,445	181.540,396	1.078,88	166°51'00"	262°53'12"	31,057	0,383
4224	MF	8.245.799,265	181.538,848	1.078,89	169°43'11"	265°45'23"	30,919	0,390
4225	MF	8.245.809,581	181.549,689	1.078,87	140°51'59"	236°54'11"	25,921	0,371
4226	MF	8.245.824,301	181.560,234	1.078,92	101°19'16"	197°21'28"	27,438	0,424
4227	MF	8.245.834,882	181.573,064	1.078,81	82°33'06"	178°35'18"	40,072	0,311
4228	MF	8.245.832,062	181.552,624	1.078,64	82°59'01"	179°01'13"	19,439	0,142
4229	MF	8.245.829,138	181.533,243	1.078,48	188°58'16"	285°00'28"	0,556	-0,014
4230	MF	8.245.826,575	181.540,308	1.078,63	114°02'09"	210°04'21"	7,640	0,135
4231	MF	8.245.815,343	181.547,106	1.078,87	136°09'28"	232°11'40"	19,888	0,370
4232	MF	8.245.790,271	181.550,791	1.078,98	156°06'25"	252°08'37"	43,110	0,480
4233	PC	8.245.797,021	181.552,213	1.078,96	149°58'11"	246°00'23"	37,732	0,466
4234	MF	8.245.806,840	181.556,643	1.078,97	134°25'19"	230°27'31"	32,642	0,470
4235	MF	8.245.815,501	181.562,004	1.078,98	116°19'27"	212°21'39"	31,992	0,480
4236	MF	8.245.825,720	181.571,823	1.078,93	95°53'05"	191°55'17"	38,696	0,433
4237	MF	8.245.831,622	181.580,673	1.078,98	87°39'36"	183°41'48"	47,382	0,484
4238	MF	8.245.817,199	181.583,066	1.079,24	104°05'44"	200°07'56"	51,280	0,745
4239	MF	8.245.825,493	181.588,900	1.079,25	94°19'00"	190°21'12"	55,728	0,756
4240	MF	8.245.832,947	181.587,800	1.079,19	86°34'33"	182°36'45"	54,567	0,689
4241	MU	8.245.824,008	181.589,268	1.079,25	95°47'51"	191°50'03"	56,225	0,752
4242	MU	8.245.791,096	181.552,384	1.079,12	153°43'23"	249°45'35"	43,038	0,620
4243	CAN-MF	8.245.838,344	181.593,172	1.078,99	81°46'07"	177°48'19"	60,465	0,490
4244	CAN-MF	8.245.837,249	181.593,363	1.079,09	82°49'17"	178°51'29"	60,507	0,592
4245	F	8.245.837,831	181.593,297	1.078,94	82°15'58"	178°18'10"	60,517	0,446
4246	MF	8.245.826,366	181.595,072	1.079,32	93°04'45"	189°06'57"	61,831	0,826
4247	PC	8.245.828,546	181.594,780	1.079,10	91°03'52"	187°06'04"	61,461	0,605
4248	CAL-MF	8.245.841,572	181.614,356	1.079,18	81°39'21"	177°41'33"	81,893	0,685
4249	CAL-MF	8.245.841,445	181.613,302	1.079,17	81°38'11"	177°40'23"	80,831	0,675
4250	CAL-MF	8.245.840,016	181.613,618	1.079,17	82°40'10"	178°42'22"	80,949	0,674
4251	CAL-MF	8.245.840,090	181.614,560	1.079,18	82°42'08"	178°44'20"	81,893	0,684
4252	CAL-MF	8.245.844,743	181.637,419	1.079,28	81°46'11"	177°48'23"	105,172	0,785
4253	CAL-MF	8.245.843,928	181.631,215	1.079,26	81°43'22"	177°45'34"	98,916	0,758
4254	CAL-MF	8.245.842,433	181.631,626	1.079,22	82°36'43"	178°38'55"	99,119	0,720
4255	CAL-MF	8.245.843,168	181.637,575	1.079,23	82°37'55"	178°40'07"	105,113	0,731
4256	MF	8.245.829,226	181.615,768	1.079,41	90°19'14"	186°21'26"	82,439	0,915

Nome	Descrição	Norte	Este	Cota
L4		8.245.829,687	181.533,330	1.078,50

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
4257	F	8.245.840,553	181.613,036	1.078,98	82°14'14"	178°16'26"	80,443	0,480
4258	F	8.245.840,924	181.615,005	1.079,00	82°10'00"	178°12'12"	82,444	0,503
4259	F	8.245.843,865	181.637,060	1.079,09	82°13'03"	178°15'15"	104,695	0,591
4260	F	8.245.843,221	181.631,753	1.079,05	82°10'15"	178°12'27"	99,349	0,557
4261	PVT	8.245.841,516	181.644,305	1.079,39	83°54'57"	179°57'09"	111,603	0,895
4262	PC	8.245.834,423	181.638,533	1.079,50	87°25'21"	183°27'33"	105,310	1,004
4263	MU	8.245.830,904	181.639,382	1.079,77	89°20'34"	185°22'46"	106,059	1,272
4264	MF	8.245.832,420	181.639,069	1.079,57	88°31'11"	184°33'23"	105,774	1,072
4265	MF	8.245.835,870	181.664,897	1.079,55	87°18'35"	183°20'47"	131,712	1,052
4266	BL-CAN	8.245.846,800	181.663,313	1.079,21	82°30'00"	178°32'12"	131,105	0,716
4267	MF-CAN	8.245.848,264	181.663,164	1.079,31	81°51'27"	177°53'39"	131,157	0,811
4268	BL-CAN	8.245.851,310	181.685,872	1.079,19	81°55'56"	177°58'08"	154,067	0,696
4269	MF-CAN	8.245.849,290	181.681,978	1.079,35	82°29'16"	178°31'28"	149,934	0,855
4270	MF	8.245.839,590	181.692,752	1.079,70	86°26'45"	182°28'57"	159,729	1,199
4271	MU	8.245.837,134	181.688,577	1.079,83	87°15'14"	183°17'26"	155,425	1,337
4272	PC	8.245.840,926	181.688,507	1.079,67	85°51'28"	181°53'40"	155,583	1,172
4273	MF	8.245.840,338	181.697,908	1.079,66	86°17'50"	182°20'02"	164,923	1,162
4274	MF	8.245.852,692	181.696,822	1.079,20	81°59'27"	178°01'39"	165,103	0,706
4275	MF	8.245.852,630	181.695,608	1.079,19	81°57'11"	177°59'23"	163,892	0,690
4276	MF	8.245.847,256	181.691,996	1.079,53	83°40'54"	179°43'06"	159,636	1,035
4277	MF	8.245.848,173	181.687,141	1.079,47	83°08'49"	179°11'01"	154,918	0,969
4278	MF	8.245.851,990	181.691,272	1.079,20	81°57'46"	177°59'58"	159,509	0,704
4279	F	8.245.850,536	181.684,049	1.079,15	82°07'28"	178°09'40"	152,154	0,651
4280	F	8.245.847,325	181.662,723	1.079,08	82°14'16"	178°16'28"	130,589	0,585
4281	MF	8.245.842,539	181.715,414	1.079,62	85°57'46"	181°59'58"	182,537	1,127
4282	MF	8.245.846,936	181.748,126	1.079,70	85°24'32"	181°26'44"	215,487	1,201
4283	MF	8.245.858,119	181.746,935	1.079,62	82°25'06"	178°27'18"	215,489	1,121
4284	MF	8.245.859,687	181.747,591	1.079,31	82°01'47"	178°03'59"	216,351	0,811
4285	MF	8.245.858,317	181.737,583	1.079,17	82°01'16"	178°03'28"	206,250	0,677
4286	MF	8.245.856,853	181.737,839	1.079,47	82°26'01"	178°28'13"	206,305	0,971
4287	MF	8.245.850,301	181.725,105	1.079,51	83°51'54"	179°54'06"	192,880	1,015
4288	MF	8.245.849,424	181.718,033	1.079,51	83°54'03"	179°56'15"	185,755	1,015
4289	MF	8.245.851,885	181.715,949	1.079,66	83°04'11"	179°06'23"	183,963	1,167
4290	MF	8.245.853,838	181.716,183	1.079,35	82°28'34"	178°30'46"	184,441	0,852
4291	MF	8.245.855,853	181.719,450	1.079,20	81°59'51"	178°02'03"	187,950	0,707

	Estação de Partida	Referência de Partida
Nome	M5	M4
Norte	8.244.466,252	8.244.694,429
Este	180.915,280	181.142,258
Cota	1.036,480	1.040,250
Azimute	44°50'57"	
Distância	321,8443 m	

	Estação de Chegada	Referência de Chegada
Nome	G4	G3
Norte	8.243.546,899	8.243.573,007
Este	181.893,173	181.553,263
Cota	1.042,430	1.047,090
Azimute	274°23'32"	
Distância	340,9112 m	

	Observados	Compensados
Perímetro	2.379,3845 m	2.380,9826 m
Área		

	Erros	Tolerâncias	Fora
Angular	0°00'44"	0°01'48" (= 0°00'30" x N½)	
Relativo	1:22980	1:10000	
Linear	0,1035 m		
Eixo Norte	0,0309 m		
Eixo Este	0,0988 m		
Altimétrico	0,044 m	0,077 m (= 50 mm x K½)	

Meridiano	Datum
-45°00'00"	Astro Chuá

Estação	AH Plano	DH Plana	Desnível	Azim Plano	Norte	Este	Altitude
M4					8.244.694,429	181.142,258	
				224°50'57"			
M5	185°32'17"				8.244.466,252	180.915,280	1.036,48
		83,592	3,299	230°23'22"			
C1	82°04'13"				8.244.412,957	180.850,881	1.039,78
		255,006	-2,705	132°27'42"			
C2	184°06'04"				8.244.240,803	181.039,007	1.037,07
		172,181	0,528	136°33'51"			
C3	178°08'27"				8.244.115,775	181.157,389	1.037,60
		281,634	3,486	134°42'22"			
C4	160°30'56"				8.243.917,654	181.357,553	1.041,09
		198,607	-0,769	115°13'20"			
C5	161°03'36"				8.243.833,022	181.537,225	1.040,32
		306,722	-4,165	96°16'58"			
C6	178°06'09"				8.243.799,455	181.842,104	1.036,15
		271,725	-3,918	94°23'11"			
C7	182°22'44"				8.243.778,673	182.113,034	1.032,24
		209,417	-6,860	96°46'00"			
C8	290°33'26"				8.243.753,998	182.320,993	1.025,38
		166,388	7,119	207°19'32"			
C9	214°00'45"				8.243.606,177	182.244,613	1.032,49
		197,142	7,412	241°20'20"			
C10	179°44'41"				8.243.511,622	182.071,626	1.039,91
		119,819	2,364	241°05'01"			
C11	260°37'58"				8.243.453,686	181.966,746	1.042,27
		118,750	0,159	321°42'58"			
G4	132°40'35"				8.243.546,899	181.893,173	1.042,43
				274°23'32"			
G3					8.243.573,007	181.553,263	1.047,09

Nome	Descrição	Norte	Este	Cota
C1		8.244.412,957	180.850,881	1.039,78

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
5000	MF	8.244.407,396	180.856,933	1.039,44	132°34'37"	82°11'15"	8,219	-0,342
5000	MF	8.244.407,343	180.856,991	1.039,44	132°34'41"	82°11'19"	8,297	-0,337
5001	MF	8.244.401,062	180.856,708	1.039,58	153°54'13"	103°30'51"	13,245	-0,199
5002	MF	8.244.396,342	180.855,239	1.039,77	165°18'12"	114°54'50"	17,177	-0,011
5003	MFPOR	8.244.376,788	180.834,434	1.041,13	204°27'11"	154°03'49"	39,733	1,346
5004	MFPOR	8.244.373,449	180.838,148	1.041,09	197°51'50"	147°28'28"	41,509	1,312
5005	MF	8.244.392,831	180.858,774	1.039,84	158°35'12"	108°11'50"	21,618	0,059
5006	MF	8.244.394,111	180.863,159	1.039,63	146°55'01"	96°31'39"	22,493	-0,147
5007	MF	8.244.394,479	180.870,200	1.039,40	133°43'33"	83°20'11"	26,733	-0,378
5008	MF	8.244.397,229	180.859,915	1.039,66	150°07'45"	99°44'23"	18,138	-0,118
5009	MF	8.244.399,821	180.864,621	1.039,50	133°42'44"	83°19'22"	19,008	-0,278
5010	MF	8.244.401,964	180.862,473	1.039,49	133°28'48"	83°05'26"	15,975	-0,285
5011	MU	8.244.340,645	180.872,104	1.040,28	163°38'38"	113°15'16"	75,361	0,496
5012	MU	8.244.394,374	180.888,633	1.039,37	116°12'30"	65°49'08"	42,077	-0,406
5013	MF	8.244.402,493	180.871,720	1.039,53	116°39'42"	66°16'20"	23,318	-0,253
5014	MF	8.244.403,619	180.871,075	1.039,40	114°48'59"	64°25'37"	22,248	-0,382
5015	MF	8.244.404,488	180.871,101	1.039,34	112°43'33"	62°20'11"	21,921	-0,435
5016	MF-POR	8.244.408,626	180.875,089	1.038,86	100°08'33"	49°45'11"	24,592	-0,921
5017	MF-POR	8.244.411,625	180.872,194	1.038,91	93°34'31"	43°11'09"	21,354	-0,868
5018	MF	8.244.409,175	180.869,400	1.039,18	101°32'28"	51°09'06"	18,901	-0,603
5019	MF	8.244.408,137	180.867,695	1.039,37	105°59'41"	55°36'19"	17,490	-0,410
5020	MF	8.244.408,689	180.865,869	1.039,34	105°53'45"	55°30'23"	15,584	-0,440
5021	MF	8.244.410,021	180.865,128	1.039,18	101°38'39"	51°15'17"	14,546	-0,595
5022	MF	8.244.411,288	180.865,259	1.039,18	96°37'11"	46°13'49"	14,474	-0,599
5023	MF	8.244.383,588	180.891,615	1.039,06	125°47'31"	75°24'09"	50,217	-0,722
5024	MF	8.244.380,647	180.899,386	1.038,81	123°40'06"	73°16'44"	58,281	-0,974
5025	MF	8.244.380,561	180.902,779	1.038,75	121°58'24"	71°35'02"	61,179	-1,026
5026	MF	8.244.381,070	180.904,221	1.038,71	120°52'18"	70°28'56"	62,144	-1,065
5027	MF	8.244.377,239	180.908,131	1.038,68	121°57'35"	71°34'13"	67,478	-1,096
5028	MF	8.244.375,431	180.906,901	1.038,90	123°48'59"	73°25'37"	67,427	-0,879
5029	MF	8.244.370,560	180.907,444	1.038,95	126°51'11"	76°27'49"	70,688	-0,830
5030	MF	8.244.366,107	180.909,902	1.038,95	128°26'32"	78°03'10"	75,354	-0,834
5031	MF	8.244.344,791	180.931,158	1.038,51	130°20'08"	79°56'46"	105,313	-1,270
5032	MF	8.244.344,617	180.933,040	1.038,52	129°45'13"	79°21'51"	106,866	-1,257
5033	MF	8.244.342,401	180.934,990	1.038,46	129°59'31"	79°36'09"	109,783	-1,315
5034	MF	8.244.341,888	180.936,992	1.038,39	129°32'00"	79°08'38"	111,651	-1,387
5035	MF	8.244.343,306	180.941,686	1.038,34	127°29'23"	77°06'01"	114,441	-1,438
5036	MF	8.244.338,465	180.946,871	1.038,28	127°48'46"	77°25'24"	121,503	-1,497
5037	MF	8.244.337,670	180.945,995	1.038,30	128°21'47"	77°58'25"	121,304	-1,481
5038	MF	8.244.329,636	180.947,919	1.038,21	130°39'02"	80°15'40"	127,901	-1,571
5039	MF	8.244.327,533	180.950,117	1.038,15	130°43'21"	80°19'59"	130,939	-1,625
5040	MF	8.244.326,460	180.950,155	1.038,10	131°03'56"	80°40'34"	131,670	-1,681
5041	MF	8.244.337,679	180.942,326	1.038,31	129°27'42"	79°04'20"	118,443	-1,469
5042	MF	8.244.337,120	180.939,596	1.038,33	130°31'30"	80°08'08"	116,711	-1,452
5043	MF	8.244.334,721	180.941,878	1.038,25	130°41'16"	80°17'54"	120,004	-1,533
5044	MF	8.244.336,894	180.929,584	1.038,39	134°01'22"	83°38'00"	109,451	-1,389
5045	MF	8.244.332,811	180.931,042	1.038,41	134°59'41"	84°36'19"	113,354	-1,366
5046	MF	8.244.327,822	180.929,518	1.038,43	137°16'20"	86°52'58"	115,895	-1,354

Nome	Descrição	Norte	Este	Cota
C1		8.244.412,957	180.850,881	1.039,78

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
5047	MF	8.244.318,202	180.920,100	1.038,78	143°51'07"	93°27'45"	117,345	-1,001
5048	MF	8.244.317,731	180.918,821	1.038,86	144°29'38"	94°06'16"	116,977	-0,921
5049	MF	8.244.318,033	180.917,491	1.038,91	144°56'32"	94°33'10"	115,963	-0,873
5050	MF	8.244.319,255	180.914,039	1.038,93	146°01'08"	95°37'46"	113,000	-0,850
5051	MF	8.244.312,839	180.907,824	1.039,22	150°22'14"	99°58'52"	115,178	-0,557
5052	MF	8.244.310,962	180.912,821	1.039,22	148°43'49"	98°20'27"	119,329	-0,555
5053	MF-POR	8.244.305,495	180.907,709	1.039,63	152°07'46"	101°44'24"	121,563	-0,146
5054	MF-POR	8.244.301,605	180.911,840	1.039,58	151°18'07"	100°54'45"	126,945	-0,196
5055	MF	8.244.306,402	180.916,887	1.039,22	148°13'26"	97°50'04"	125,342	-0,558
5056	MF	8.244.301,624	180.919,218	1.039,20	148°27'30"	98°04'08"	130,633	-0,575
5057	MF	8.244.307,980	180.925,372	1.038,87	144°38'26"	94°15'04"	128,720	-0,910
5058	MF	8.244.311,763	180.923,660	1.038,84	144°16'35"	93°53'13"	124,647	-0,944
5059	MF	8.244.312,693	180.923,429	1.038,83	144°06'42"	93°43'20"	123,758	-0,950
5060	MF	8.244.313,727	180.923,969	1.038,78	143°37'35"	93°14'13"	123,241	-0,998
5061	MF	8.244.323,634	180.934,017	1.038,41	137°03'17"	86°39'55"	122,025	-1,373
5062	MF	8.244.324,796	180.936,849	1.038,30	135°43'18"	85°19'56"	123,137	-1,483
5063	MF	8.244.325,021	180.940,845	1.038,17	134°20'49"	83°57'27"	125,801	-1,612
5064	MF	8.244.323,849	180.942,979	1.038,14	134°03'17"	83°39'55"	128,149	-1,638
5065	MU	8.244.314,982	180.898,025	1.039,63	154°18'14"	103°54'52"	108,728	-0,151
5066	MU	8.244.316,475	180.983,738	1.036,80	125°59'15"	75°35'53"	164,194	-2,981
5067	MU	8.244.270,778	180.944,038	1.039,07	146°46'01"	96°22'39"	169,979	-0,705
5068	MF	8.244.304,817	180.972,645	1.037,65	131°36'31"	81°13'09"	162,851	-2,129
5069	MF	8.244.299,734	180.967,900	1.037,69	134°03'20"	83°39'58"	162,827	-2,090
5070	MF	8.244.290,153	180.987,559	1.037,45	131°56'22"	81°33'00"	183,744	-2,326
5071	MF	8.244.289,748	180.989,510	1.037,42	131°37'47"	81°14'25"	185,468	-2,362
5072	MF	8.244.290,945	180.992,937	1.036,99	130°39'34"	80°16'12"	187,261	-2,791

Nome	Descrição	Norte	Este	Cota
C2		8.244.240,803	181.039,007	1.037,07

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
5073	MU	8.244.318,031	180.986,162	1.036,28	325°37'02"	13°09'20"	93,577	-0,795
5074	POR-MU	8.244.297,363	181.001,894	1.036,15	326°43'43"	14°16'01"	67,649	-0,923
5075	POR-MU	8.244.294,186	181.005,040	1.036,16	327°31'53"	15°04'11"	63,273	-0,917
5076	MF	8.244.288,964	181.000,459	1.036,56	321°19'35"	8°51'53"	61,688	-0,510
5077	MF	8.244.284,589	180.998,328	1.036,99	317°06'23"	4°38'41"	59,767	-0,089
5078	MF	8.244.280,047	180.998,042	1.037,29	313°46'13"	1°18'31"	56,729	0,219
5079	MF	8.244.270,624	180.997,806	1.037,23	305°53'48"	353°26'06"	50,860	0,153
5080	MF	8.244.265,269	180.996,006	1.037,29	299°38'18"	347°10'36"	49,474	0,216
5081	MF	8.244.262,742	180.998,312	1.037,36	298°19'45"	345°52'03"	46,232	0,287
5082	MF	8.244.265,861	181.002,395	1.037,19	304°23'16"	351°55'34"	44,366	0,118
5083	MF	8.244.254,832	180.987,079	1.037,79	285°07'06"	332°39'24"	53,790	0,711
5084	MF	8.244.251,917	180.989,460	1.037,74	282°38'33"	330°10'51"	50,778	0,670
5085	MF-POR	8.244.240,509	180.974,780	1.038,64	269°44'15"	317°16'33"	64,228	1,570
5086	MF-POR	8.244.238,029	180.977,194	1.038,54	267°25'50"	314°58'08"	61,875	1,462
5087	MF-POR	8.244.226,742	180.989,015	1.038,26	254°17'27"	301°49'45"	51,932	1,182
5088	MF-POR	8.244.222,407	180.993,633	1.038,34	247°55'50"	295°28'08"	48,962	1,266
5089	MU	8.244.235,809	180.979,419	1.038,41	265°12'35"	312°44'53"	59,798	1,331

Nome	Descrição	Norte	Este	Cota
C2		8.244.240,803	181.039,007	1.037,07

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
5090	MU	8.244.275,495	181.025,625	1.035,41	338°54'22"	26°26'40"	37,184	-1,669
5091	MU	8.244.287,603	181.037,973	1.035,13	358°44'05"	46°16'23"	46,812	-1,941
5092	MU	8.244.267,729	181.058,112	1.034,94	35°21'23"	82°53'41"	33,015	-2,134
5093	MU	8.244.259,343	181.073,678	1.034,86	61°51'51"	109°24'09"	39,316	-2,219
5094	MF	8.244.229,591	181.006,256	1.037,63	251°06'08"	298°38'26"	34,617	0,553
5095	MF	8.244.233,974	181.002,757	1.037,65	259°19'53"	306°52'11"	36,888	0,575
5096	MF	8.244.241,239	181.027,876	1.036,92	272°14'22"	319°46'40"	11,140	-0,156
5097	MF	8.244.245,805	181.023,258	1.036,95	287°37'09"	335°09'27"	16,524	-0,122
5098	MF	8.244.231,035	181.048,457	1.036,88	135°56'57"	183°29'15"	13,591	-0,197
5099	MF	8.244.227,612	181.041,907	1.036,90	167°36'05"	215°08'23"	13,506	-0,173
5100	MF	8.244.223,629	181.046,019	1.036,91	157°47'24"	205°19'42"	18,551	-0,161
5101	MF	8.244.211,091	181.033,017	1.037,52	191°23'53"	238°56'11"	30,310	0,450
5102	MF	8.244.214,430	181.029,514	1.037,53	199°47'47"	247°20'05"	28,029	0,451
5103	MF-POR	8.244.197,703	181.019,713	1.037,76	204°06'56"	251°39'14"	47,222	0,687
5104	MF-POR	8.244.200,961	181.016,184	1.037,87	209°48'22"	257°20'40"	45,916	0,796
5105	MF	8.244.204,085	181.076,243	1.036,95	134°35'57"	182°08'15"	52,295	-0,125
5106	MF	8.244.202,210	181.079,697	1.037,04	133°29'07"	181°01'25"	56,081	-0,034
5107	MF	8.244.202,051	181.082,699	1.036,76	131°34'16"	179°06'34"	58,402	-0,313
5108	MF	8.244.203,349	181.084,791	1.036,50	129°17'09"	176°49'27"	59,152	-0,579
5109	MF	8.244.213,361	181.094,539	1.035,36	116°17'51"	163°50'09"	61,943	-1,715
5110	MF	8.244.217,613	181.092,332	1.035,15	113°30'13"	161°02'31"	58,149	-1,929
5111	MF	8.244.226,531	181.101,011	1.034,51	102°57'45"	150°30'03"	63,625	-2,568
5112	MF	8.244.222,427	181.103,244	1.034,71	105°57'51"	153°30'09"	66,813	-2,366
5113	MF	8.244.218,058	181.107,573	1.034,81	108°21'07"	155°53'25"	72,240	-2,264
5114	MF	8.244.216,140	181.111,728	1.034,88	108°44'05"	156°16'23"	76,789	-2,196
5115	MF	8.244.207,189	181.103,147	1.035,32	117°39'29"	165°11'47"	72,414	-1,757
5116	MF	8.244.209,211	181.098,850	1.035,43	117°49'50"	165°22'08"	67,670	-1,648
5117	MF	8.244.199,607	181.089,499	1.036,56	129°12'39"	176°44'57"	65,165	-0,518
5118	MF	8.244.196,400	181.087,918	1.036,84	132°14'03"	179°46'21"	66,060	-0,234
5119	MF	8.244.191,448	181.089,260	1.036,92	134°29'02"	182°01'20"	70,436	-0,151
5120	MF	8.244.191,884	181.078,606	1.036,92	141°00'39"	188°32'57"	62,938	-0,158
5121	MF-POR	8.244.222,424	181.111,653	1.034,61	104°11'53"	151°44'11"	74,935	-2,466
5122	MF-POR	8.244.226,549	181.107,443	1.034,57	101°45'56"	149°18'14"	69,905	-2,501
5123	MF	8.244.175,080	181.095,897	1.037,01	139°07'14"	186°39'32"	86,925	-0,068
5124	MF	8.244.172,531	181.095,020	1.037,11	140°38'01"	188°10'19"	88,309	0,031
5125	MF	8.244.168,650	181.092,934	1.037,14	143°13'33"	190°45'51"	90,079	0,062
5126	MF	8.244.165,757	181.095,174	1.037,15	143°11'15"	190°43'33"	93,737	0,072
5127	MF	8.244.168,023	181.098,491	1.037,09	140°44'26"	188°16'44"	93,996	0,017
5128	MF	8.244.168,350	181.102,749	1.037,07	138°39'36"	186°11'54"	96,501	-0,004

Nome	Descrição	Norte	Este	Cota
C3		8.244.115,775	181.157,389	1.037,60

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
5129	MU	8.244.132,163	181.089,393	1.037,94	283°33'02"	326°59'11"	69,943	0,333
5130	MU	8.244.130,710	181.088,044	1.038,03	282°09'16"	325°35'25"	70,935	0,432
5131	MF-POR	8.244.101,862	181.117,388	1.038,77	250°49'16"	294°15'25"	42,351	1,163
5132	MF-POR	8.244.097,473	181.122,110	1.038,79	242°34'49"	286°00'58"	39,744	1,186

Nome	Descrição	Norte	Este	Cota
C3		8.244.115,775	181.157,389	1.037,60

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
5133	MF	8.244.099,295	181.128,427	1.038,54	240°21'32"	283°47'41"	33,322	0,936
5134	MF	8.244.105,555	181.136,054	1.038,22	244°24'20"	287°50'29"	23,656	0,619
5135	MF	8.244.115,304	181.146,406	1.037,76	267°32'34"	310°58'43"	10,993	0,156
5136	MF	8.244.117,317	181.149,997	1.037,64	281°46'54"	325°13'03"	7,551	0,036
5137	MF	8.244.117,346	181.152,190	1.037,64	286°49'03"	330°15'12"	5,431	0,036
5138	MF	8.244.129,482	181.142,832	1.037,34	313°16'34"	356°42'43"	19,995	-0,267
5139	MF	8.244.123,923	181.143,089	1.037,44	299°40'31"	343°06'40"	16,458	-0,167
5140	MF	8.244.118,293	181.140,173	1.037,65	278°19'13"	321°45'22"	17,399	0,043
5141	MF	8.244.109,086	181.130,525	1.038,21	256°01'04"	299°27'13"	27,684	0,604
5142	BAS	8.244.127,809	181.154,955	1.037,47	348°33'51"	32°00'00"	12,278	-0,134
5143	MU	8.244.189,521	181.145,455	1.034,71	350°48'29"	34°14'38"	74,706	-2,896
5144	MU	8.244.120,222	181.217,734	1.036,25	85°47'07"	129°13'16"	60,509	-1,349
5145	MF-POR	8.244.133,980	181.203,677	1.036,16	68°31'47"	111°57'56"	49,739	-1,445
5146	MF-POR	8.244.131,694	181.206,028	1.036,08	71°52'37"	115°18'46"	51,177	-1,520
5147	MF-POR	8.244.129,321	181.208,417	1.036,07	75°07'59"	118°34'08"	52,796	-1,535
5148	BAS	8.244.121,620	181.191,657	1.036,60	80°19'14"	123°45'23"	34,763	-1,003
5149	BAS	8.244.119,373	181.194,228	1.036,68	84°25'17"	127°51'26"	37,015	-0,927
5150	BAS	8.244.116,034	181.198,990	1.036,75	89°38'33"	133°04'42"	41,602	-0,851
5151	BAS	8.244.114,145	181.202,516	1.036,78	92°04'08"	135°30'17"	45,156	-0,826
5152	BAS	8.244.100,618	181.190,700	1.037,76	114°27'55"	157°54'04"	36,597	0,160
5153	BAS	8.244.098,233	181.193,716	1.037,74	115°46'28"	159°12'37"	40,341	0,137
5154	BAS	8.244.110,864	181.181,351	1.037,36	101°34'54"	145°01'03"	24,460	-0,247
5155	BAS	8.244.098,613	181.187,241	1.038,14	119°53'38"	163°19'47"	34,434	0,534
5156	BAS	8.244.094,081	181.192,795	1.038,22	121°29'48"	164°55'57"	41,524	0,621
5157	BAS	8.244.108,159	181.183,723	1.037,41	106°07'51"	149°34'00"	27,413	-0,196
5158	BAS	8.244.099,223	181.183,566	1.038,01	122°18'17"	165°44'26"	30,970	0,404
5159	BAS	8.244.090,676	181.193,481	1.038,08	124°48'56"	168°15'05"	43,961	0,481
5160	BAS	8.244.105,340	181.182,498	1.037,67	112°34'02"	156°00'11"	27,191	0,067
5161	BAS	8.244.109,328	181.178,364	1.037,59	107°05'04"	150°31'13"	21,943	-0,017
5162	BAS	8.244.109,538	181.173,521	1.037,81	111°08'11"	154°34'20"	17,296	0,209
5163	MF	8.244.103,483	181.166,064	1.037,80	144°47'13"	188°13'22"	15,045	0,196
5164	MF	8.244.091,129	181.175,697	1.038,04	143°23'36"	186°49'45"	30,702	0,442
5165	MF	8.244.095,584	181.173,916	1.037,95	140°41'56"	184°08'05"	26,092	0,343
5166	MF	8.244.085,265	181.173,166	1.038,17	152°39'21"	196°05'30"	34,348	0,570
5167	MF-POR	8.244.066,115	181.154,931	1.039,27	182°50'02"	226°16'11"	49,720	1,671
5168	MF-POR	8.244.062,141	181.158,988	1.039,32	178°17'32"	221°43'41"	53,657	1,720
5169	MU	8.244.061,216	181.159,755	1.039,45	177°31'00"	220°57'09"	54,610	1,847
5170	MU	8.244.061,923	181.160,470	1.039,39	176°43'30"	220°09'39"	53,940	1,783
5171	MF	8.244.081,115	181.177,658	1.038,38	149°40'52"	193°07'01"	40,152	0,781
5172	MF	8.244.085,229	181.183,515	1.038,20	139°27'31"	182°53'40"	40,195	0,596
5173	MF	8.244.084,530	181.185,440	1.038,21	138°04'58"	181°31'07"	41,989	0,604
5174	MF	8.244.079,431	181.191,269	1.038,29	137°00'33"	180°26'42"	49,686	0,687
5175	MF	8.244.077,182	181.196,672	1.038,36	134°29'32"	177°55'41"	55,069	0,757
5176	MF	8.244.066,752	181.206,980	1.038,57	134°40'11"	178°06'20"	69,731	0,972
5177	MF	8.244.061,973	181.208,519	1.038,57	136°27'31"	179°53'40"	74,222	0,971
5178	MF	8.244.056,936	181.213,628	1.038,73	136°17'39"	179°43'48"	81,393	1,127
5179	MF	8.244.053,339	181.215,190	1.038,91	137°12'27"	180°38'36"	85,083	1,303
5180	MF	8.244.050,141	181.213,705	1.039,01	139°22'09"	182°48'18"	86,483	1,407

Nome	Descrição	Norte	Este	Cota
C3		8.244.115,775	181.157,389	1.037,60

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
5181	MU	8.244.030,904	181.192,279	1.040,14	157°39'09"	201°05'18"	91,763	2,536
5182	MU	8.244.030,234	181.191,842	1.040,12	158°03'43"	201°29'52"	92,219	2,519
5183	MU	8.244.022,443	181.199,753	1.040,21	155°35'11"	199°01'20"	102,496	2,610
5184	MU	8.244.022,992	181.200,271	1.040,18	155°11'41"	198°37'50"	102,213	2,572
5185	POR	8.244.027,901	181.194,176	1.040,19	157°17'03"	200°43'12"	95,263	2,584
5186	POR	8.244.025,286	181.196,814	1.040,23	156°27'27"	199°53'36"	98,704	2,629
5187	MF	8.244.028,816	181.193,201	1.040,02	157°37'01"	201°03'10"	94,044	2,415
5188	MF	8.244.023,867	181.198,330	1.040,04	155°59'20"	199°25'29"	100,615	2,440
5189	MF	8.244.044,415	181.218,287	1.039,06	139°31'22"	182°57'31"	93,813	1,453
5190	MF	8.244.046,774	181.222,497	1.039,01	136°39'45"	180°05'54"	94,869	1,407
5191	MF	8.244.045,995	181.224,459	1.039,02	136°08'03"	179°34'12"	96,786	1,417
5192	MF	8.244.040,181	181.232,129	1.039,07	135°19'31"	178°45'40"	106,304	1,471
5193	MF	8.244.037,953	181.237,040	1.039,15	134°20'04"	177°46'13"	111,358	1,547
5194	MF	8.244.073,815	181.210,555	1.038,57	128°16'52"	171°43'01"	67,729	0,970
5195	MF	8.244.071,826	181.212,703	1.038,60	128°28'04"	171°54'13"	70,648	0,999
5196	MF	8.244.070,894	181.215,562	1.038,70	127°39'01"	171°05'10"	73,474	1,094
5197	MF	8.244.067,944	181.223,263	1.038,73	125°58'58"	169°25'07"	81,407	1,131
5198	MF	8.244.066,892	181.228,931	1.038,50	124°20'37"	167°46'46"	86,648	0,895
5199	MF	8.244.067,816	181.232,087	1.038,36	122°42'07"	166°08'16"	88,769	0,761
5200	MF	8.244.079,203	181.243,120	1.037,61	113°06'09"	156°32'18"	93,206	0,006
5201	MF	8.244.081,515	181.244,220	1.037,52	111°31'56"	154°58'05"	93,346	-0,080
5202	MF-POR	8.244.087,940	181.250,701	1.037,19	106°36'34"	150°02'43"	97,375	-0,412
5203	MF-POR	8.244.083,643	181.254,876	1.037,31	108°14'31"	151°40'40"	102,646	-0,289
5204	MF-POR	8.244.080,299	181.256,501	1.037,38	109°41'38"	153°07'47"	105,270	-0,225
5205	MF	8.244.082,359	181.254,501	1.037,23	108°59'16"	152°25'25"	102,700	-0,372
5206	MF	8.244.073,775	181.250,388	1.037,56	114°18'17"	157°44'26"	102,044	-0,045
5207	MF	8.244.075,756	181.248,066	1.037,62	113°48'48"	157°14'57"	99,116	0,019
5208	MF	8.244.064,362	181.237,067	1.038,34	122°49'57"	166°16'06"	94,826	0,736
5209	MF	8.244.057,046	181.234,741	1.038,95	127°12'26"	170°38'35"	97,120	1,349
5210	MF	8.244.049,425	181.238,449	1.039,16	129°18'04"	172°44'13"	104,753	1,559
5211	MF	8.244.062,323	181.223,127	1.038,87	129°06'53"	172°33'02"	84,727	1,271
5212	MF	8.244.060,594	181.229,438	1.038,90	127°26'52"	170°53'01"	90,753	1,296
5213	MF	8.244.055,603	181.229,976	1.038,95	129°39'27"	173°05'36"	94,284	1,345
5214	MU	8.244.050,386	181.288,676	1.038,00	116°28'33"	159°54'42"	146,670	0,399
5215	MF	8.244.003,932	181.282,558	1.039,84	131°46'54"	175°13'03"	167,857	2,237
5216	MF	8.244.000,090	181.291,649	1.039,78	130°44'59"	174°11'08"	177,225	2,173
5217	MF	8.243.997,517	181.299,166	1.039,54	129°49'54"	173°16'03"	184,623	1,940
5218	MF	8.243.997,376	181.305,044	1.039,28	128°43'29"	172°09'38"	189,262	1,673
5219	MF	8.243.999,453	181.309,629	1.039,06	127°22'56"	170°49'05"	191,593	1,456
5220	MF	8.244.001,780	181.311,861	1.038,97	126°25'33"	169°51'42"	191,980	1,372
5221	MF	8.244.007,593	181.314,973	1.038,72	124°28'11"	167°54'20"	191,144	1,114
5222	MF	8.244.015,080	181.319,149	1.038,44	121°54'07"	165°20'16"	190,541	0,832
5223	MF	8.244.009,127	181.322,619	1.038,56	122°50'25"	166°16'34"	196,659	0,954
5224	MF	8.244.007,183	181.321,539	1.038,59	123°29'10"	166°55'19"	196,818	0,985
5225	MF	8.243.990,482	181.324,496	1.039,09	126°51'42"	170°17'51"	208,862	1,482
5226	MF	8.243.973,167	181.327,803	1.039,70	129°55'25"	173°21'34"	222,212	2,095
5227	MF	8.243.957,071	181.331,953	1.040,55	132°16'31"	175°42'40"	235,922	2,951
5228	MF	8.243.993,378	181.294,113	1.040,04	131°50'07"	175°16'16"	183,506	2,436

Nome	Descrição	Norte	Este	Cota
C3		8.244.115,775	181.157,389	1.037,60

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
5229	MF	8.243.992,613	181.294,116	1.040,00	132°00'43"	175°26'52"	184,019	2,394
5230	MF	8.243.991,268	181.304,924	1.039,49	130°09'41"	173°35'50"	193,051	1,885
5231	MF	8.243.990,558	181.314,506	1.039,16	128°33'13"	171°59'22"	200,910	1,561
5232	MF	8.243.988,737	181.318,769	1.039,10	128°12'35"	171°38'44"	205,383	1,502
5233	MF	8.243.986,373	181.319,874	1.039,25	128°32'00"	171°58'09"	207,717	1,650
5234	MF	8.243.975,931	181.321,232	1.039,66	130°28'53"	173°55'02"	215,408	2,062
5235	MF	8.243.965,887	181.322,463	1.040,46	132°14'22"	175°40'31"	222,970	2,857
5236	MF	8.243.965,728	181.321,829	1.040,33	132°22'46"	175°48'55"	222,608	2,727
5237	BAS	8.243.980,011	181.306,702	1.040,17	132°16'44"	175°42'53"	201,808	2,571
5238	MF	8.243.975,589	181.301,519	1.040,20	134°12'19"	177°38'28"	201,061	2,599

Nome	Descrição	Norte	Este	Cota
C4		8.243.917,654	181.357,553	1.041,09

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
5239	MU	8.243.992,390	181.232,226	1.040,81	300°48'32"	346°06'10"	145,919	-0,282
5240	MU	8.243.981,416	181.360,928	1.038,78	3°01'49"	48°19'27"	63,851	-2,310
5241	MF-POR	8.243.980,924	181.361,464	1.038,74	3°32'15"	48°49'53"	63,391	-2,353
5242	MF-POR	8.243.978,288	181.364,088	1.038,92	6°09'04"	51°26'42"	60,985	-2,172
5243	MF	8.243.965,160	181.351,914	1.039,43	353°13'49"	38°31'27"	47,840	-1,659
5244	MF	8.243.967,671	181.348,612	1.039,45	349°51'54"	35°09'32"	50,810	-1,642
5245	MF	8.243.956,706	181.337,966	1.040,38	333°21'46"	18°39'24"	43,689	-0,712
5246	MF	8.243.955,042	181.334,871	1.040,62	328°45'24"	14°03'02"	43,730	-0,465
5247	MF	8.243.957,148	181.331,935	1.040,54	327°01'49"	12°19'27"	47,076	-0,546
5248	MF	8.243.954,459	181.341,446	1.040,34	336°21'52"	21°39'30"	40,176	-0,748
5249	MF	8.243.950,621	181.340,251	1.040,64	332°18'31"	17°36'09"	37,232	-0,448
5250	MF-BAS	8.243.947,197	181.340,907	1.040,57	330°36'03"	15°53'41"	33,910	-0,519
5251	MF	8.243.964,978	181.312,433	1.040,35	316°21'57"	1°39'35"	65,386	-0,742
5252	MF	8.243.960,307	181.313,346	1.040,42	313°58'29"	359°16'07"	61,429	-0,666
5253	MF	8.243.954,839	181.313,007	1.040,61	309°51'13"	355°08'51"	58,027	-0,479
5254	MF	8.243.953,433	181.312,444	1.040,45	308°25'15"	353°42'53"	57,576	-0,642
5255	MF	8.243.959,478	181.318,010	1.040,42	316°36'20"	1°53'58"	57,558	-0,664
5256	MF	8.243.953,431	181.317,227	1.040,65	311°34'43"	356°52'21"	53,909	-0,441
5257	MF	8.243.947,834	181.315,092	1.040,87	305°24'16"	350°41'54"	52,094	-0,223
5258	MF	8.243.946,190	181.315,039	1.040,93	303°52'11"	349°09'49"	51,203	-0,159
5259	MF	8.243.946,625	181.316,638	1.040,87	305°18'08"	350°35'46"	50,134	-0,217
5260	MF	8.243.949,575	181.320,882	1.040,68	311°02'20"	356°19'58"	48,619	-0,410
5261	MF	8.243.951,906	181.325,792	1.040,53	317°09'40"	2°27'18"	46,711	-0,564
5262	MF-MU	8.243.932,885	181.292,592	1.042,20	283°11'44"	328°29'22"	66,723	1,111
5263	MF-MU	8.243.922,010	181.303,324	1.042,06	274°35'34"	319°53'12"	54,404	0,975
5264	POR	8.243.927,911	181.297,409	1.041,99	279°40'41"	324°58'19"	61,012	0,904
5265	POR	8.243.923,732	181.301,530	1.041,97	276°11'33"	321°29'11"	56,352	0,879
5266	MF	8.243.938,808	181.318,731	1.041,09	298°35'10"	343°52'48"	44,212	-0,003
5267	MF	8.243.943,395	181.322,923	1.040,78	306°37'27"	351°55'05"	43,149	-0,307
5268	MF	8.243.945,850	181.324,712	1.040,69	310°38'53"	355°56'31"	43,285	-0,394
5269	MF	8.243.946,832	181.328,092	1.040,68	314°43'23"	0°01'01"	41,465	-0,407
5270	MF	8.243.946,549	181.331,465	1.040,60	317°55'19"	3°12'57"	38,930	-0,484
5271	MF	8.243.934,806	181.343,684	1.040,78	321°02'31"	6°20'09"	22,058	-0,304

Nome	Descrição	Norte	Este	Cota
C4		8.243.917,654	181.357,553	1.041,09

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
5272	MF	8.243.933,887	181.344,205	1.040,82	320°34'15"	5°51'53"	21,017	-0,266
5273	BAS	8.243.927,538	181.344,120	1.040,94	306°20'49"	351°38'27"	16,678	-0,153
5274	BAS	8.243.922,181	181.343,078	1.041,10	287°21'57"	332°39'35"	15,166	0,013
5275	BAS-POR	8.243.898,197	181.323,713	1.042,58	240°06'13"	285°23'51"	39,035	1,493
5276	BAS-POR	8.243.895,687	181.327,110	1.042,65	234°11'13"	279°28'51"	37,541	1,565
5277	BAS	8.243.912,217	181.344,104	1.041,46	247°59'21"	293°16'59"	14,507	0,374
5278	BAS	8.243.914,544	181.347,638	1.041,33	252°35'01"	297°52'39"	10,391	0,243
5279	BAS	8.243.916,372	181.352,921	1.041,20	254°32'04"	299°49'42"	4,806	0,113
5280	MF	8.243.917,263	181.362,071	1.041,05	94°56'25"	140°14'03"	4,535	-0,035
5281	MF	8.243.915,865	181.365,583	1.041,09	102°33'28"	147°51'06"	8,227	-0,001
5282	MF	8.243.895,838	181.392,795	1.041,33	121°45'32"	167°03'10"	41,448	0,237
5283	BAS-MF	8.243.904,606	181.392,442	1.041,16	110°30'17"	155°47'55"	37,249	0,069
5284	BAS-MF	8.243.892,362	181.412,015	1.041,22	114°54'37"	160°12'15"	60,048	0,135
5285	MF	8.243.905,541	181.395,225	1.041,22	107°49'29"	153°07'07"	39,571	0,127
5286	MF	8.243.910,151	181.395,683	1.040,84	101°07'55"	146°25'33"	38,861	-0,247
5287	MF	8.243.911,962	181.394,798	1.040,59	98°41'19"	143°58'57"	37,677	-0,502
5288	MF	8.243.916,854	181.391,114	1.040,29	91°21'57"	136°39'35"	33,570	-0,802
5289	MF	8.243.920,708	181.393,159	1.040,05	85°05'53"	130°23'31"	35,737	-1,038
5290	MF	8.243.920,824	181.396,409	1.040,10	85°20'08"	130°37'46"	38,985	-0,987
5291	MF	8.243.922,182	181.398,126	1.039,99	83°37'56"	128°55'34"	40,824	-1,096
5292	MF	8.243.924,063	181.398,458	1.039,85	81°05'44"	126°23'22"	41,404	-1,241
5293	MF	8.243.926,119	181.396,562	1.039,67	77°45'25"	123°03'03"	39,917	-1,417
5294	MF	8.243.930,105	181.397,596	1.039,53	72°43'36"	118°01'14"	41,934	-1,559
5295	MF	8.243.930,920	181.402,090	1.039,52	73°24'46"	118°42'24"	46,471	-1,565
5296	MF	8.243.931,881	181.404,370	1.039,51	73°05'46"	118°23'24"	48,931	-1,574
5297	MF	8.243.935,453	181.408,076	1.039,50	70°35'35"	115°53'13"	53,566	-1,591
5298	MF	8.243.931,366	181.412,282	1.039,53	75°56'05"	121°13'43"	56,420	-1,555
5299	MF-POR	8.243.931,383	181.412,347	1.039,53	75°56'02"	121°13'40"	56,488	-1,557
5300	POR	8.243.937,595	181.406,016	1.039,54	67°38'02"	112°55'40"	52,405	-1,544
5301	CV	8.243.930,842	181.413,002	1.039,49	76°37'16"	121°54'54"	56,995	-1,595
5302	MF	8.243.923,924	181.406,332	1.039,76	82°40'30"	127°58'08"	49,180	-1,328
5303	MF	8.243.919,550	181.404,393	1.039,97	87°40'56"	132°58'34"	46,878	-1,122
5304	MF	8.243.908,552	181.404,592	1.040,66	100°57'06"	146°14'44"	47,911	-0,426
5305	MU	8.243.852,064	181.375,129	1.043,06	164°59'57"	210°17'35"	67,904	1,975
5306	MF	8.243.883,239	181.412,468	1.041,27	122°04'32"	167°22'10"	64,808	0,180
5307	CV-MU	8.243.911,111	181.432,499	1.039,56	94°59'21"	140°16'59"	75,231	-1,531
5308	CE	8.243.839,091	181.389,454	1.043,21	157°54'00"	203°11'38"	84,793	2,117
5309	CE	8.243.831,693	181.383,388	1.043,53	163°16'21"	208°33'59"	89,759	2,437
5310	MF	8.243.887,635	181.419,359	1.041,13	115°54'19"	161°11'57"	68,710	0,037
5311	MF	8.243.887,709	181.422,865	1.041,29	114°37'51"	159°55'29"	71,850	0,199
5312	MF	8.243.889,275	181.426,616	1.040,73	112°20'18"	157°37'56"	74,667	-0,354
5313	MF	8.243.891,524	181.428,818	1.040,30	110°08'10"	155°25'48"	75,904	-0,791
5314	MF	8.243.878,205	181.421,201	1.041,31	121°47'25"	167°05'03"	74,882	0,217
5315	MF-POR	8.243.907,946	181.438,170	1.038,72	96°51'59"	142°09'37"	81,199	-2,367
5316	MF-POR	8.243.905,340	181.442,374	1.038,71	98°15'36"	143°33'14"	85,710	-2,376
5317	MF	8.243.889,322	181.433,596	1.040,33	110°26'03"	155°43'41"	81,149	-0,762
5318	MF	8.243.884,221	181.433,065	1.040,94	113°52'52"	159°10'30"	82,582	-0,145
5319	MF	8.243.878,206	181.436,802	1.041,22	116°27'46"	161°45'24"	88,524	0,135

Nome	Descrição	Norte	Este	Cota
C4		8.243.917,654	181.357,553	1.041,09

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
5320	MF	8.243.867,956	181.440,518	1.041,29	120°55'21"	166°12'59"	96,711	0,203
5321	MF	8.243.862,755	181.444,172	1.041,22	122°22'00"	167°39'38"	102,551	0,133
5322	MF	8.243.857,897	181.444,245	1.041,30	124°34'44"	169°52'22"	105,292	0,213
5323	MF	8.243.831,502	181.442,183	1.042,21	135°30'38"	180°48'16"	120,765	1,122
5324	MF-POR	8.243.805,580	181.440,238	1.043,05	143°34'52"	188°52'30"	139,274	1,961
5325	MF-POR	8.243.805,118	181.444,322	1.043,04	142°22'00"	187°39'38"	142,103	1,949
5326	CE	8.243.820,241	181.438,705	1.042,55	140°12'12"	185°29'50"	126,787	1,464
5327	CE	8.243.817,673	181.439,762	1.042,68	140°34'17"	185°51'55"	129,439	1,590
5328	CE-MU	8.243.805,709	181.439,029	1.043,30	143°57'07"	189°14'45"	138,456	2,214
5329	CE-MU	8.243.805,065	181.445,549	1.043,06	141°59'24"	187°17'02"	142,897	1,975
5330	CE	8.243.815,112	181.446,473	1.042,65	139°04'11"	184°21'49"	135,726	1,565
5331	CE	8.243.816,711	181.447,950	1.042,44	138°09'18"	183°26'56"	135,503	1,353
5332	MF	8.243.827,754	181.446,392	1.042,12	135°20'25"	180°38'03"	126,389	1,034
5333	MF	8.243.851,953	181.448,321	1.041,18	125°53'54"	171°11'32"	112,050	0,094
5334	MF	8.243.857,801	181.451,053	1.040,96	122°37'30"	167°55'08"	111,017	-0,130
5335	MF	8.243.859,696	181.454,784	1.040,93	120°47'56"	166°05'34"	113,194	-0,154
5336	MF	8.243.859,215	181.459,446	1.040,81	119°50'09"	165°07'47"	117,462	-0,280
5337	MF	8.243.867,724	181.458,692	1.040,78	116°16'29"	161°34'07"	112,792	-0,311
5338	MU	8.243.888,447	181.469,026	1.039,64	104°40'55"	149°58'33"	115,236	-1,445
5339	MU-CE	8.243.800,095	181.491,527	1.042,00	131°15'59"	176°33'37"	178,239	0,910
5340	MF	8.243.857,611	181.484,515	1.040,55	115°18'38"	160°36'16"	140,444	-0,538
5341	MF	8.243.860,519	181.488,213	1.040,30	113°37'08"	158°54'46"	142,606	-0,789
5342	ET	8.243.863,582	181.490,062	1.039,76	112°11'55"	157°29'33"	143,117	-1,331
5343	ET-POR	8.243.878,839	181.497,240	1.038,67	105°31'45"	150°49'23"	144,979	-2,419
5344	ET-POR	8.243.877,677	181.500,978	1.038,64	105°34'29"	150°52'07"	148,892	-2,447
5345	ET	8.243.861,986	181.493,453	1.039,76	112°16'31"	157°34'09"	146,859	-1,330
5346	MF	8.243.856,697	181.493,329	1.040,44	114°10'40"	159°28'18"	148,832	-0,648
5347	MF	8.243.853,510	181.494,339	1.040,36	115°07'25"	160°25'03"	151,078	-0,731
5348	MF	8.243.845,590	181.495,897	1.040,52	117°30'55"	162°48'33"	155,988	-0,572
5349	MF	8.243.838,109	181.522,236	1.040,29	115°46'53"	161°04'31"	182,887	-0,800
5350	MF	8.243.846,631	181.518,449	1.040,12	113°49'04"	159°06'42"	175,874	-0,969
5351	MF	8.243.848,870	181.522,263	1.040,02	112°39'57"	157°57'35"	178,495	-1,072
5352	ET	8.243.855,413	181.524,021	1.039,30	110°30'02"	155°47'40"	177,723	-1,793
5353	ET	8.243.854,450	181.527,339	1.039,30	110°25'05"	155°42'43"	181,168	-1,789
5354	ET-MU	8.243.869,165	181.526,598	1.038,72	106°00'18"	151°17'56"	175,861	-2,371
5355	ET	8.243.848,432	181.527,725	1.039,96	112°08'08"	157°25'46"	183,712	-1,132
5356	MF	8.243.843,508	181.531,237	1.040,05	113°07'04"	158°24'42"	188,848	-1,035
5357	MF	8.243.835,995	181.531,534	1.040,18	115°08'36"	160°26'14"	192,192	-0,910

Nome	Descrição	Norte	Este	Cota
C5		8.243.833,022	181.537,225	1.040,32

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
5358	MU	8.243.873,284	181.531,615	1.038,28	352°04'04"	56°50'44"	40,651	-2,041
5359	MU	8.243.866,230	181.593,191	1.036,93	59°19'00"	124°05'40"	65,077	-3,390
5360	MF	8.243.833,518	181.542,890	1.040,14	84°59'47"	149°46'27"	5,687	-0,175
5361	MF	8.243.832,223	181.550,043	1.040,07	93°33'54"	158°20'34"	12,843	-0,245
5362	ET	8.243.812,140	181.540,633	1.040,59	170°43'51"	235°30'31"	21,158	0,272

Nome	Descrição	Norte	Este	Cota
C5		8.243.833,022	181.537,225	1.040,32

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
5363	ET	8.243.811,829	181.544,108	1.040,40	162°00'25"	226°47'05"	22,282	0,076
5364	ET-POR	8.243.794,977	181.539,420	1.041,79	176°41'55"	241°28'35"	38,108	1,470
5365	ET-POR	8.243.794,523	181.543,401	1.041,82	170°53'10"	235°39'50"	38,991	1,502
5366	MF	8.243.834,740	181.586,285	1.039,51	87°59'38"	152°46'18"	49,090	-0,806
5367	BAS	8.243.836,829	181.590,365	1.039,27	85°54'05"	150°40'45"	53,276	-1,052
5368	BAS	8.243.840,745	181.592,817	1.038,61	82°05'26"	146°52'06"	56,126	-1,707
5369	BAS	8.243.844,684	181.593,402	1.038,02	78°16'19"	143°02'59"	57,375	-2,303
5370	BAS	8.243.866,139	181.594,600	1.036,70	60°00'22"	124°47'02"	66,247	-3,615
5371	BAS	8.243.865,892	181.599,112	1.036,64	62°01'32"	126°48'12"	70,074	-3,682
5372	BAS	8.243.846,341	181.601,354	1.037,85	78°16'00"	143°02'40"	65,497	-2,469
5373	BAS-MU	8.243.872,083	181.599,686	1.036,45	57°58'46"	122°45'26"	73,669	-3,865
5374	BAS	8.243.841,602	181.604,729	1.038,19	82°45'23"	147°32'03"	68,047	-2,126
5375	BAS	8.243.830,888	181.623,703	1.038,77	91°24'47"	156°11'27"	86,504	-1,552
5376	BAS	8.243.837,924	181.599,448	1.038,59	85°29'41"	150°16'21"	62,416	-1,726
5377	MF	8.243.833,916	181.594,152	1.039,45	89°05'58"	153°52'38"	56,934	-0,870
5378	MF	8.243.832,220	181.607,529	1.039,16	90°39'12"	155°25'52"	70,308	-1,155
5379	MF	8.243.825,987	181.600,023	1.039,28	96°23'31"	161°10'11"	63,191	-1,041
5380	MU	8.243.789,327	181.590,946	1.040,82	129°07'25"	193°54'05"	69,247	0,501
5381	MF	8.243.822,699	181.631,598	1.038,67	96°14'31"	161°01'11"	94,935	-1,645
5382	MF	8.243.821,594	181.634,948	1.038,61	96°40'11"	161°26'51"	98,389	-1,708
5383	MF	8.243.816,911	181.638,677	1.038,65	99°01'24"	163°48'04"	102,723	-1,672
5384	MF	8.243.811,699	181.640,767	1.038,74	101°38'10"	166°24'50"	105,715	-1,581
5385	MF	8.243.798,113	181.639,347	1.039,20	108°52'20"	173°39'00"	107,923	-1,116
5386	MF	8.243.798,675	181.633,883	1.039,42	109°33'44"	174°20'24"	102,579	-0,903
5387	MF	8.243.789,067	181.633,076	1.039,81	114°38'06"	179°24'46"	105,449	-0,507
5388	MF	8.243.788,187	181.638,106	1.039,56	113°57'43"	178°44'23"	110,395	-0,756
5389	MF-POR	8.243.783,915	181.637,881	1.039,57	116°00'22"	180°47'02"	111,996	-0,749
5390	MF-POR	8.243.783,513	181.643,768	1.039,41	114°55'25"	179°42'05"	117,484	-0,905
5391	MF	8.243.797,974	181.645,379	1.039,10	107°57'19"	172°43'59"	113,690	-1,220
5392	MF	8.243.808,347	181.646,431	1.038,68	102°43'55"	167°30'35"	111,958	-1,642
5393	MF	8.243.812,086	181.647,197	1.038,58	100°46'42"	165°33'22"	111,947	-1,734
5394	MF	8.243.817,581	181.651,493	1.038,37	97°41'44"	162°28'24"	115,307	-1,951
5395	MF	8.243.820,159	181.655,169	1.038,23	96°13'26"	161°00'06"	118,643	-2,087
5396	BAS	8.243.827,150	181.653,785	1.038,30	92°53'02"	157°39'42"	116,707	-2,022
5397	BAS	8.243.826,996	181.661,077	1.038,13	92°47'07"	157°33'47"	123,999	-2,188
5398	ET	8.243.838,866	181.643,835	1.037,39	86°51'43"	151°38'23"	106,770	-2,930
5399	ET	8.243.838,433	181.647,661	1.037,28	87°11'41"	151°58'21"	110,568	-3,041
5400	ET	8.243.856,783	181.633,674	1.036,13	76°09'35"	140°56'15"	99,333	-4,185
5401	ET	8.243.857,596	181.636,709	1.036,07	76°07'29"	140°54'09"	102,474	-4,251
5402	MF	8.243.862,164	181.628,576	1.036,13	72°18'23"	137°05'03"	95,887	-4,190
5403	MF	8.243.863,548	181.633,906	1.035,97	72°28'37"	137°15'17"	101,386	-4,352
5404	MF-MU	8.243.869,351	181.625,403	1.035,73	67°36'30"	132°23'10"	95,369	-4,593
5405	MF-MU	8.243.868,891	181.629,899	1.035,74	68°50'27"	133°37'07"	99,374	-4,583
5406	MF	8.243.813,046	181.721,963	1.037,24	96°10'17"	160°56'57"	185,815	-3,080
5407	MF	8.243.811,258	181.725,195	1.037,16	96°36'16"	161°22'56"	189,225	-3,160
5408	MF	8.243.806,563	181.727,717	1.037,15	97°54'27"	162°41'07"	192,321	-3,170
5409	MF	8.243.816,351	181.690,832	1.037,62	96°11'38"	160°58'18"	154,509	-2,700
5410	MF	8.243.794,393	181.726,601	1.037,52	101°31'44"	166°18'24"	193,275	-2,795

Nome	Descrição	Norte	Este	Cota
C5		8.243.833,022	181.537,225	1.040,32

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
5411	MF	8.243.823,564	181.694,654	1.037,52	93°26'16"	158°12'56"	157,713	-2,803
5412	MU	8.243.861,545	181.699,241	1.034,89	80°00'55"	144°47'35"	164,507	-5,427
5413	MF	8.243.792,791	181.732,263	1.037,46	101°39'18"	166°25'58"	199,144	-2,863
5414	MF	8.243.805,747	181.733,620	1.037,13	97°54'23"	162°41'03"	198,280	-3,188
5415	MU	8.243.778,969	181.690,407	1.038,56	109°26'10"	174°12'50"	162,439	-1,764
5416	MF	8.243.811,036	181.739,549	1.036,92	96°12'06"	160°58'46"	203,515	-3,402
5417	ET-POR	8.243.856,522	181.746,723	1.034,79	83°35'58"	148°22'38"	210,811	-5,525
5418	ET-POR	8.243.856,114	181.751,103	1.034,77	83°50'15"	148°36'55"	215,121	-5,554
5419	ET-POR	8.243.836,443	181.757,979	1.036,10	89°06'43"	153°53'23"	220,780	-4,217
5420	ET-POR	8.243.837,264	181.761,246	1.035,13	88°54'54"	153°41'34"	224,060	-5,191
5421	ET	8.243.834,459	181.760,012	1.035,23	89°37'49"	154°24'29"	222,792	-5,086
5422	ET	8.243.835,252	181.763,007	1.035,19	89°26'02"	154°12'42"	225,793	-5,128
5423	ET	8.243.825,613	181.772,108	1.035,70	91°48'24"	156°35'04"	235,000	-4,618
5424	MF	8.243.814,479	181.781,788	1.036,42	94°20'09"	159°06'49"	245,265	-3,901
5425	MF	8.243.806,513	181.785,262	1.036,40	96°06'01"	160°52'41"	249,449	-3,919
5426	MF	8.243.813,721	181.789,220	1.036,25	94°22'47"	159°09'27"	252,733	-4,070
5427	ET	8.243.812,857	181.799,354	1.036,30	94°23'56"	159°10'36"	262,903	-4,019
5428	ET	8.243.811,226	181.811,306	1.036,19	94°32'48"	159°19'28"	274,946	-4,129
5429	ET	8.243.834,099	181.802,384	1.035,26	89°46'02"	154°32'42"	265,161	-5,055
5430	ET	8.243.833,467	181.810,940	1.035,05	89°54'24"	154°41'04"	273,716	-5,266

Nome	Descrição	Norte	Este	Cota
C6		8.243.799,455	181.842,104	1.036,15

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
5431	MF	8.243.800,692	181.840,226	1.036,03	303°22'07"	27°05'08"	2,250	-0,125
5432	MF	8.243.800,287	181.843,960	1.036,00	65°51'49"	149°34'50"	2,033	-0,151
5433	ET	8.243.780,259	181.841,007	1.036,25	183°16'19"	266°59'20"	19,227	0,100
5434	ET	8.243.780,420	181.837,796	1.036,14	192°45'19"	276°28'20"	19,516	-0,013
5435	ET-POR	8.243.763,779	181.835,495	1.037,12	190°29'45"	274°12'46"	36,283	0,965
5436	ET-POR	8.243.763,332	181.839,382	1.037,10	184°18'34"	268°01'35"	36,226	0,945
5437	MF	8.243.798,944	181.856,614	1.035,85	92°00'59"	175°44'00"	14,519	-0,302
5438	BAS	8.243.806,279	181.855,953	1.035,87	63°46'01"	147°29'02"	15,439	-0,283
5439	CE	8.243.850,729	181.803,695	1.034,16	323°09'46"	46°52'48"	64,065	-1,993
5440	CE	8.243.849,841	181.812,272	1.034,40	329°22'16"	53°05'18"	58,555	-1,758
5441	ET-POR	8.243.844,864	181.881,621	1.033,79	41°01'53"	124°44'55"	60,195	-2,369
5442	ET-POR	8.243.844,661	181.884,351	1.033,78	43°03'41"	126°46'43"	61,874	-2,375
5443	ET	8.243.827,435	181.878,771	1.034,39	52°39'14"	136°22'15"	46,123	-1,768
5444	ET	8.243.827,406	181.882,393	1.034,38	55°14'55"	138°57'56"	49,035	-1,775
5445	ET	8.243.828,437	181.890,148	1.034,44	58°53'59"	142°37'00"	56,109	-1,716
5446	ET	8.243.832,323	181.883,647	1.034,13	51°38'57"	135°21'59"	52,972	-2,028
5447	ET	8.243.827,338	181.886,610	1.034,42	57°55'58"	141°38'59"	52,518	-1,737
5448	ET	8.243.815,412	181.882,236	1.035,72	68°19'03"	152°02'04"	43,188	-0,432
5449	ET	8.243.815,639	181.888,527	1.035,69	70°46'48"	154°29'49"	49,163	-0,459
5450	ET	8.243.815,234	181.877,294	1.035,77	65°50'57"	149°33'58"	38,566	-0,389
5451	ET	8.243.815,538	181.895,419	1.035,50	73°12'49"	156°55'50"	55,687	-0,659
5452	ET	8.243.807,323	181.881,988	1.035,68	78°50'24"	162°33'25"	40,652	-0,476
5453	ET	8.243.807,215	181.886,591	1.035,63	80°06'19"	163°49'20"	45,158	-0,522

Nome	Descrição	Norte	Este	Cota
C6		8.243.799,455	181.842,104	1.036,15

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
5454	BAS-ET	8.243.802,434	181.893,028	1.035,57	86°39'10"	170°22'11"	51,010	-0,588
5455	BAS-ET	8.243.803,181	181.885,214	1.035,61	85°03'38"	168°46'39"	43,270	-0,549
5456	MU	8.243.840,529	181.898,698	1.033,54	54°01'45"	137°44'47"	69,927	-2,610
5457	MF	8.243.793,380	181.909,409	1.035,40	95°09'27"	178°52'28"	67,578	-0,751
5458	MF	8.243.788,556	181.913,234	1.035,46	98°42'43"	182°25'44"	71,960	-0,694
5459	MF	8.243.778,801	181.912,945	1.035,79	106°15'17"	189°58'18"	73,790	-0,362
5460	MF-GRA	8.243.776,196	181.928,394	1.035,60	105°05'08"	188°48'09"	89,369	-0,558
5461	MF	8.243.776,851	181.921,993	1.035,88	105°47'56"	189°30'57"	83,025	-0,278
5462	MF	8.243.778,630	181.920,289	1.035,89	104°54'55"	188°37'56"	80,911	-0,267
5463	MF	8.243.787,128	181.921,566	1.035,43	98°49'06"	182°32'07"	80,412	-0,725
5464	MF	8.243.790,581	181.924,690	1.035,30	96°07'59"	179°51'00"	83,061	-0,852
5465	MF	8.243.791,515	181.927,202	1.035,25	95°19'51"	179°02'52"	85,467	-0,903
5466	MF	8.243.799,854	181.919,420	1.035,34	89°42'17"	173°25'18"	77,316	-0,813
5467	MU	8.243.757,762	181.892,579	1.036,52	129°33'27"	213°16'28"	65,467	0,370
5468	MF	8.243.798,292	181.933,851	1.035,18	90°43'36"	174°26'37"	91,754	-0,975
5469	MF	8.243.799,970	181.937,577	1.035,17	89°41'28"	173°24'29"	95,474	-0,987
5470	MF	8.243.805,488	181.941,061	1.035,23	86°30'42"	170°13'43"	99,140	-0,926
5471	MF	8.243.811,124	181.943,090	1.035,21	83°24'32"	167°07'33"	101,658	-0,943
5472	MF	8.243.825,713	181.944,493	1.034,50	75°37'00"	159°20'01"	105,702	-1,659
5473	MF-POR	8.243.838,229	181.946,010	1.033,36	69°32'11"	153°15'13"	110,904	-2,798
5474	POR	8.243.837,777	181.950,318	1.033,58	70°29'58"	154°13'00"	114,799	-2,575
5475	MF	8.243.826,923	181.949,724	1.034,43	75°40'56"	159°23'57"	111,069	-1,721
5476	MF	8.243.811,474	181.948,117	1.035,22	83°31'56"	167°14'57"	106,691	-0,934
5477	MF	8.243.799,391	181.949,621	1.035,06	90°02'04"	173°45'05"	107,517	-1,096
5478	MF	8.243.796,242	181.952,220	1.034,98	91°40'17"	175°23'18"	110,163	-1,172
5479	MF	8.243.796,898	181.945,346	1.035,06	91°25'08"	175°08'09"	103,273	-1,097
5480	MF	8.243.797,321	181.941,895	1.035,10	91°13'32"	174°56'33"	99,814	-1,055
5481	MF	8.243.800,576	181.943,870	1.035,13	89°22'09"	173°05'10"	101,772	-1,026
5482	MF	8.243.789,908	181.941,990	1.035,09	95°27'35"	179°10'36"	100,341	-1,066
5483	MU	8.243.771,155	181.978,634	1.035,83	101°42'39"	185°25'40"	139,432	-0,322
5484	MU	8.243.829,915	181.997,683	1.033,29	78°55'21"	162°38'22"	158,532	-2,863
5485	MF	8.243.790,793	182.000,763	1.034,36	93°07'30"	176°50'31"	158,895	-1,798
5486	MF	8.243.783,997	182.000,049	1.034,35	95°35'24"	179°18'25"	158,699	-1,801
5487	MF	8.243.780,912	182.030,058	1.033,84	95°38'04"	179°21'05"	188,866	-2,313
5488	MF	8.243.777,330	182.036,229	1.033,76	96°30'08"	180°13'09"	195,381	-2,390
5489	MF	8.243.774,034	182.037,762	1.033,73	97°24'11"	181°07'12"	197,302	-2,424
5490	MF	8.243.761,106	182.036,503	1.033,99	101°09'35"	184°52'36"	198,145	-2,165
5491	MF	8.243.760,186	182.043,918	1.033,85	101°00'40"	184°43'41"	205,598	-2,301
5492	MF	8.243.772,673	182.045,655	1.033,61	97°29'45"	181°12'46"	205,305	-2,541
5493	MF	8.243.775,817	182.047,823	1.033,55	96°33'18"	180°16'19"	207,072	-2,606
5494	MF	8.243.777,978	182.053,236	1.033,50	95°48'31"	179°31'32"	212,221	-2,651
5495	MF	8.243.772,319	182.053,080	1.033,59	97°19'46"	181°02'47"	212,713	-2,564
5496	MF	8.243.785,946	182.051,171	1.033,59	93°41'50"	177°24'51"	209,502	-2,561
5497	MF	8.243.786,906	182.041,890	1.033,70	93°35'39"	177°18'40"	200,180	-2,451
5498	MF	8.243.790,149	182.049,619	1.033,61	92°34'04"	176°17'05"	207,723	-2,540
5499	MF	8.243.791,371	182.046,016	1.033,66	92°16'14"	175°59'15"	204,071	-2,497
5500	MF	8.243.795,421	182.048,466	1.033,59	91°07'12"	174°50'13"	206,401	-2,560
5501	MF	8.243.787,454	182.034,433	1.033,85	93°34'14"	177°17'15"	192,703	-2,301

Nome	Descrição	Norte	Este	Cota
C6		8.243.799,455	181.842,104	1.036,15

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
5502	MF	8.243.792,531	182.041,762	1.033,76	91°59'11"	175°42'12"	199,777	-2,397
5503	MF	8.243.785,280	182.057,330	1.033,43	93°46'06"	177°29'07"	215,692	-2,728
5504	MF	8.243.801,854	182.046,127	1.033,58	89°19'35"	173°02'36"	204,036	-2,571
5505	MF	8.243.788,964	182.054,725	1.033,50	92°49'30"	176°32'31"	212,879	-2,651
5506	MF	8.243.814,516	182.047,653	1.032,86	85°48'34"	169°31'35"	206,100	-3,290
5507	MF	8.243.800,336	182.052,809	1.033,49	89°45'38"	173°28'39"	210,706	-2,662
5508	MF	8.243.816,215	182.053,824	1.032,53	85°28'26"	169°11'27"	212,382	-3,623
5509	MF	8.243.816,785	182.058,553	1.032,35	85°25'21"	169°08'22"	217,141	-3,806
5510	MF	8.243.821,873	182.058,899	1.032,19	84°05'47"	167°48'48"	217,951	-3,959
5511	MF	8.243.822,443	182.054,555	1.032,15	83°49'28"	167°32'29"	213,691	-4,009
5512	MU	8.243.819,452	182.096,967	1.031,06	85°30'50"	169°13'51"	255,646	-5,096

Nome	Descrição	Norte	Este	Cota
C7		8.243.778,673	182.113,034	1.032,24

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
5513	MF	8.243.769,929	182.077,550	1.033,14	256°09'24"	341°46'13"	36,546	0,905
5514	MF	8.243.768,741	182.078,410	1.033,14	253°59'39"	339°36'28"	36,021	0,907
5515	MF	8.243.766,774	182.078,523	1.033,18	250°58'33"	336°35'22"	36,505	0,940
5516	MF-GRA	8.243.761,096	182.078,242	1.033,32	243°11'46"	328°48'35"	38,980	1,081
5517	MF-GRA	8.243.760,856	182.081,133	1.033,30	240°48'59"	326°25'48"	36,539	1,060
5518	MF	8.243.766,353	182.081,560	1.033,13	248°37'20"	334°14'09"	33,799	0,891
5519	MF	8.243.768,246	182.082,403	1.033,06	251°12'02"	336°48'51"	32,357	0,822
5520	MF	8.243.769,270	182.084,384	1.033,00	251°49'51"	337°26'40"	30,154	0,767
5521	MF	8.243.817,390	182.054,290	1.032,50	303°23'17"	29°00'06"	70,355	0,267
5522	MF-POR	8.243.824,625	182.048,766	1.032,11	305°33'53"	31°10'42"	79,006	-0,129
5523	MF-POR	8.243.823,914	182.054,677	1.032,08	307°47'04"	33°23'53"	73,840	-0,152
5524	CV	8.243.764,938	182.049,489	1.034,00	257°48'11"	343°25'00"	65,013	1,765
5525	BAS	8.243.781,261	182.092,954	1.032,71	277°20'35"	2°57'24"	20,246	0,471
5526	MF	8.243.766,254	182.110,762	1.032,34	190°22'00"	275°58'49"	12,625	0,106
5527	MF	8.243.764,153	182.113,554	1.032,24	177°57'04"	263°33'53"	14,529	0,003
5528	MF	8.243.761,261	182.114,653	1.032,23	174°41'19"	260°18'08"	17,487	-0,003
5529	MF-POR	8.243.757,668	182.114,302	1.032,04	176°32'42"	262°09'31"	21,043	-0,192
5530	MF-POR	8.243.757,242	182.119,473	1.031,97	163°16'39"	248°53'28"	22,377	-0,267
5531	MF	8.243.758,845	182.120,386	1.032,08	159°39'20"	245°16'09"	21,148	-0,161
5532	MF	8.243.758,745	182.121,771	1.032,11	156°19'30"	241°56'19"	21,759	-0,126
5533	MF	8.243.758,810	182.123,782	1.032,04	151°34'51"	237°11'40"	22,585	-0,199
5534	MF	8.243.757,776	182.132,804	1.031,88	136°35'15"	222°12'04"	28,767	-0,355
5535	MF-POR	8.243.755,798	182.133,890	1.031,68	137°38'34"	223°15'23"	30,955	-0,557
5536	MF-POR	8.243.755,474	182.137,593	1.031,65	133°22'09"	218°58'58"	33,783	-0,590
5537	MF	8.243.757,169	182.139,096	1.031,73	129°31'35"	215°08'24"	33,788	-0,505
5538	MF	8.243.755,802	182.152,380	1.031,35	120°10'07"	205°46'56"	45,510	-0,884
5539	MF	8.243.765,397	182.153,743	1.031,05	108°03'45"	193°40'34"	42,819	-1,191
5540	MF	8.243.761,794	182.156,024	1.030,85	111°26'09"	197°02'58"	46,185	-1,381
5541	MF	8.243.756,245	182.156,284	1.030,70	117°24'34"	203°01'23"	48,719	-1,532
5542	MF	8.243.755,941	182.163,310	1.030,58	114°19'49"	199°56'38"	55,176	-1,656
5543	MF	8.243.761,319	182.164,887	1.030,60	108°30'15"	194°07'04"	54,680	-1,635
5544	MF	8.243.765,413	182.169,972	1.030,48	103°06'36"	188°43'25"	58,461	-1,757

Nome	Descrição	Norte	Este	Cota
C7		8.243.778,673	182.113,034	1.032,24

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
5545	CV	8.243.754,173	182.151,202	1.031,52	122°41'47"	208°18'36"	45,354	-0,718
5546	BAS	8.243.775,878	182.143,990	1.031,37	95°09'33"	180°46'22"	31,081	-0,869
5547	ET	8.243.780,082	182.146,152	1.031,39	87°33'50"	173°10'39"	33,148	-0,844
5548	ET	8.243.798,562	182.145,927	1.029,73	58°50'23"	144°27'12"	38,438	-2,506
5549	ET-POR	8.243.814,726	182.144,973	1.029,25	41°32'14"	127°09'03"	48,165	-2,985
5550	ET-POR	8.243.814,420	182.148,564	1.029,15	44°49'31"	130°26'20"	50,401	-3,091
5551	ET	8.243.798,394	182.148,566	1.029,72	60°58'07"	146°34'56"	40,638	-2,514
5552	ET	8.243.780,442	182.149,730	1.031,27	87°14'26"	172°51'15"	36,738	-0,965
5553	BAS	8.243.776,468	182.150,953	1.031,17	93°19'40"	178°56'29"	37,983	-1,069
5554	BAS	8.243.774,857	182.153,530	1.031,06	95°23'01"	180°59'50"	40,675	-1,178
5555	MU	8.243.808,570	182.196,658	1.027,32	70°19'38"	155°56'27"	88,808	-4,913
5556	MF-POR	8.243.802,811	182.243,637	1.025,26	79°31'43"	165°08'32"	132,815	-6,972
5557	MF-POR	8.243.801,973	182.249,779	1.025,21	80°19'49"	165°56'38"	138,715	-7,025
5558	MF	8.243.801,560	182.243,550	1.025,32	80°03'14"	165°40'03"	132,507	-6,915
5559	MF	8.243.801,885	182.241,009	1.025,40	79°43'11"	165°20'00"	130,063	-6,840
5560	MF	8.243.780,340	182.239,072	1.026,98	89°14'32"	174°51'21"	126,049	-5,253
5561	MF	8.243.774,396	182.240,451	1.027,50	91°55'21"	177°32'10"	127,489	-4,735
5562	MF	8.243.770,545	182.236,334	1.028,01	93°46'18"	179°23'07"	123,568	-4,228
5563	BAS-MF	8.243.767,350	182.226,069	1.028,52	95°43'13"	181°20'02"	113,601	-3,712
5564	MF	8.243.765,654	182.240,464	1.028,02	95°50'01"	181°26'50"	128,093	-4,211
5565	MF	8.243.767,945	182.242,889	1.027,80	94°43'22"	180°20'11"	130,297	-4,436
5566	MF	8.243.765,247	182.245,030	1.027,87	95°48'28"	181°25'17"	132,677	-4,365
5567	BAS-MF	8.243.763,627	182.259,693	1.027,35	95°51'28"	181°28'17"	147,429	-4,886
5568	MF	8.243.770,145	182.248,990	1.027,53	93°35'21"	179°12'10"	136,224	-4,701
5569	MF	8.243.773,666	182.246,944	1.027,35	92°08'29"	177°45'18"	134,003	-4,886
5570	MF	8.243.780,289	182.249,943	1.026,62	89°19'26"	174°56'15"	136,918	-5,620
5571	MF	8.243.800,562	182.252,163	1.025,28	81°03'33"	166°40'22"	140,841	-6,960
5572	MF	8.243.800,678	182.249,794	1.025,20	80°51'33"	166°28'22"	138,519	-7,036
5573	BAS	8.243.772,257	182.177,255	1.030,29	95°42'20"	181°19'09"	64,540	-1,949
5574	MF	8.243.765,353	182.170,325	1.030,51	103°05'20"	188°42'09"	58,819	-1,724
5575	MF	8.243.752,584	182.168,905	1.030,71	115°01'50"	200°38'39"	61,662	-1,522
5576	MF	8.243.763,959	182.177,096	1.030,30	102°56'08"	188°32'57"	65,730	-1,938
5577	MF	8.243.764,561	182.176,678	1.030,33	102°30'09"	188°06'58"	65,190	-1,907
5578	MF	8.243.765,128	182.177,310	1.030,28	101°53'59"	187°30'48"	65,687	-1,955
5579	MF	8.243.761,089	182.215,369	1.028,93	99°44'59"	185°21'48"	103,834	-3,305
5580	MF	8.243.760,465	182.215,941	1.028,93	100°02'01"	185°38'50"	104,506	-3,301
5581	MF	8.243.759,990	182.215,200	1.028,95	100°21'48"	185°58'37"	103,860	-3,288
5582	ALB	8.243.751,024	182.168,631	1.030,76	116°26'32"	202°03'21"	62,093	-1,481
5583	MF	8.243.749,793	182.196,293	1.029,92	109°07'48"	194°44'37"	88,126	-2,321
5584	MF	8.243.761,873	182.196,978	1.029,61	101°19'03"	186°55'52"	85,609	-2,626
5585	MF	8.243.747,520	182.217,770	1.029,13	106°33'53"	192°10'42"	109,271	-3,102
5586	MF	8.243.747,079	182.222,070	1.029,02	106°09'34"	191°46'23"	113,521	-3,214
5587	MF-POR	8.243.745,827	182.217,781	1.029,22	107°24'37"	193°01'26"	109,776	-3,020
5588	MF-POR	8.243.745,329	182.221,825	1.029,16	107°02'24"	192°39'13"	113,786	-3,080
5589	MF	8.243.746,392	182.228,434	1.028,84	105°37'40"	191°14'29"	119,830	-3,398
5590	MF	8.243.758,338	182.229,778	1.028,50	99°52'51"	185°29'40"	118,501	-3,741
5591	MF	8.243.759,134	182.223,488	1.028,69	100°01'55"	185°38'44"	112,169	-3,546
5592	MF	8.243.759,631	182.223,377	1.028,68	99°47'28"	185°24'17"	111,974	-3,560

Nome	Descrição	Norte	Este	Cota
C7		8.243.778,673	182.113,034	1.032,24

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
5593	MF	8.243.760,116	182.223,830	1.028,63	99°30'30"	185°07'19"	112,339	-3,601
5594	ALB	8.243.744,685	182.228,443	1.028,95	106°24'35"	192°01'24"	120,310	-3,287

Nome	Descrição	Norte	Este	Cota
C8		8.243.753,998	182.320,993	1.025,38

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
5595	MF	8.243.755,602	182.266,014	1.027,13	271°40'18"	354°54'17"	55,002	1,750
5596	MF	8.243.753,422	182.287,029	1.026,34	269°01'43"	352°15'42"	33,968	0,966
5597	MF	8.243.751,770	182.291,122	1.026,20	265°44'01"	348°58'00"	29,954	0,821
5598	MF	8.243.748,569	182.293,768	1.026,05	258°43'22"	341°57'21"	27,761	0,677
5599	MF	8.243.744,848	182.294,660	1.026,06	250°50'22"	334°04'21"	27,877	0,687
5600	MF	8.243.739,208	182.294,199	1.026,13	241°06'06"	324°20'05"	30,605	0,759
5601	MF	8.243.736,803	182.301,014	1.025,87	229°16'58"	312°30'57"	26,359	0,496
5602	MF	8.243.744,429	182.301,986	1.025,78	243°16'42"	326°30'41"	21,280	0,403
5603	MF	8.243.747,798	182.303,970	1.025,67	249°59'09"	333°13'08"	18,116	0,295
5604	MF	8.243.750,069	182.307,605	1.025,56	253°38'36"	336°52'35"	13,953	0,186
5605	MF	8.243.750,460	182.310,767	1.025,46	250°54'54"	334°08'53"	10,820	0,086
5606	MF	8.243.749,156	182.315,651	1.025,28	227°48'31"	311°02'30"	7,210	-0,100
5607	MF	8.243.745,049	182.323,952	1.025,06	161°42'00"	244°55'59"	9,425	-0,318
5608	MF	8.243.740,374	182.330,458	1.024,77	145°12'46"	228°26'45"	16,589	-0,602
5609	MF	8.243.733,095	182.337,810	1.024,41	141°10'52"	224°24'51"	26,828	-0,966
5610	MF	8.243.719,551	182.346,082	1.024,22	143°55'58"	227°09'57"	42,615	-1,160
5611	MF	8.243.709,426	182.350,986	1.024,31	146°03'46"	229°17'45"	53,724	-1,066
5612	MF	8.243.694,061	182.357,222	1.024,31	148°50'56"	232°04'55"	70,036	-1,068
5613	MF	8.243.686,165	182.359,663	1.024,48	150°18'49"	233°32'48"	78,082	-0,897
5614	MF	8.243.681,285	182.360,086	1.024,91	151°44'08"	234°58'07"	82,556	-0,469
5615	MF	8.243.675,942	182.359,423	1.025,20	153°47'15"	237°01'14"	87,004	-0,179
5616	MF	8.243.669,625	182.356,979	1.025,59	156°54'04"	240°08'03"	91,727	0,214
5617	MF	8.243.664,458	182.353,771	1.026,20	159°53'37"	243°07'36"	95,351	0,828
5618	MF	8.243.660,835	182.349,973	1.026,49	162°43'15"	245°57'14"	97,566	1,119
5619	MF	8.243.655,916	182.341,039	1.027,02	168°26'56"	251°40'55"	100,110	1,645
5620	MF	8.243.647,219	182.324,701	1.027,88	178°00'41"	261°14'40"	106,843	2,502
5621	MF	8.243.638,605	182.308,362	1.028,81	186°14'49"	269°28'48"	116,083	3,438
5622	MF	8.243.627,497	182.315,978	1.028,98	182°16'13"	265°30'12"	126,601	3,606
5623	MF	8.243.616,880	182.324,153	1.029,12	178°40'48"	261°54'47"	137,154	3,742
5624	MF	8.243.601,944	182.329,885	1.029,06	176°39'11"	259°53'10"	152,313	3,681
5625	MF	8.243.589,188	182.303,656	1.030,43	186°00'19"	269°14'18"	165,720	5,058
5626	MF	8.243.586,101	182.296,018	1.030,81	188°27'39"	271°41'38"	169,744	5,439
5627	MF	8.243.598,074	182.289,995	1.030,94	191°14'38"	274°28'37"	158,975	5,567
5628	MF	8.243.612,071	182.286,664	1.030,53	193°35'51"	276°49'50"	146,019	5,152
5629	MF	8.243.606,740	182.339,845	1.028,49	172°42'17"	255°56'16"	148,460	3,115
5630	MF	8.243.621,050	182.331,926	1.028,69	175°17'56"	258°31'55"	133,396	3,311
5631	MF	8.243.618,944	182.362,479	1.027,33	162°55'27"	246°09'26"	141,282	1,951
5632	MF	8.243.645,621	182.350,132	1.027,10	164°57'03"	248°11'02"	112,226	1,728
5633	MF	8.243.634,212	182.355,865	1.027,38	163°46'08"	247°00'07"	124,759	2,009
5634	MF	8.243.634,240	182.388,958	1.025,87	150°25'27"	233°39'26"	137,699	0,498
5635	MF	8.243.647,965	182.380,811	1.026,05	150°34'15"	233°48'14"	121,742	0,676

Nome	Descrição	Norte	Este	Cota
C8		8.243.753,998	182.320,993	1.025,38

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
5636	MF	8.243.658,798	182.375,021	1.025,81	150°25'27"	233°39'26"	109,463	0,436
5637	MF	8.243.647,145	182.410,831	1.024,82	139°56'39"	223°10'38"	139,601	-0,552
5638	MF	8.243.671,313	182.398,559	1.024,64	136°49'47"	220°03'46"	113,373	-0,731
5639	MF	8.243.660,287	182.403,305	1.024,91	138°42'19"	221°56'18"	124,728	-0,471
5640	MF	8.243.661,955	182.436,217	1.023,56	128°37'07"	211°51'06"	147,474	-1,816
5641	MF	8.243.674,360	182.428,812	1.023,68	126°27'02"	209°41'01"	134,042	-1,697
5642	MF	8.243.684,081	182.422,594	1.023,38	124°32'03"	207°46'02"	123,334	-1,995
5643	MF	8.243.695,802	182.417,097	1.023,06	121°11'50"	204°25'49"	112,351	-2,312
5644	BAS	8.243.700,678	182.407,262	1.023,22	121°43'08"	204°57'07"	101,417	-2,159
5645	BAS	8.243.687,726	182.401,347	1.023,72	129°30'51"	212°44'50"	104,157	-1,660
5646	MF	8.243.687,273	182.400,223	1.023,82	130°06'12"	213°20'11"	103,584	-1,558
5647	MF	8.243.684,544	182.395,017	1.024,04	133°10'33"	216°24'32"	101,506	-1,337
5648	MF	8.243.683,202	182.385,011	1.024,49	137°52'42"	221°06'41"	95,448	-0,886
5649	MF	8.243.676,696	182.380,558	1.024,84	142°23'02"	225°37'01"	97,589	-0,537
5650	MF	8.243.685,155	182.376,741	1.024,73	141°00'01"	224°14'00"	88,585	-0,642
5651	MF	8.243.668,018	182.363,790	1.025,76	153°32'16"	236°46'15"	96,043	0,382
5652	MF	8.243.672,580	182.365,104	1.025,42	151°33'07"	234°47'06"	92,600	0,047
5653	MF	8.243.675,467	182.365,874	1.025,31	150°15'05"	233°29'04"	90,451	-0,066
5654	MF	8.243.679,353	182.366,541	1.025,12	148°36'31"	231°50'30"	87,444	-0,253
5655	MF	8.243.683,643	182.366,758	1.024,91	146°57'24"	230°11'23"	83,931	-0,467
5656	MF	8.243.689,029	182.370,704	1.024,64	142°34'43"	225°48'42"	81,806	-0,736
5657	MF	8.243.694,446	182.365,595	1.024,48	143°10'07"	226°24'06"	74,403	-0,891
5658	MF	8.243.707,194	182.359,427	1.024,29	140°36'28"	223°50'27"	60,563	-1,085
5659	MF	8.243.713,009	182.357,225	1.024,21	138°31'30"	221°45'29"	54,708	-1,161
5660	MF	8.243.717,528	182.355,554	1.024,22	136°32'23"	219°46'22"	50,244	-1,159
5661	MF-BAS	8.243.736,257	182.344,768	1.024,53	126°43'50"	209°57'49"	29,665	-0,849
5662	MF-BAS	8.243.754,533	182.322,157	1.025,36	65°19'31"	148°33'30"	1,281	-0,013
5663	BAS	8.243.745,847	182.335,945	1.024,86	118°35'48"	201°49'47"	17,030	-0,516
5664	MU	8.243.796,319	182.296,049	1.023,56	329°29'06"	52°43'06"	49,125	-1,819
5665	ALB	8.243.734,008	182.328,951	1.025,09	158°17'30"	241°31'29"	21,516	-0,284
5666	ALB	8.243.711,126	182.341,389	1.025,06	154°33'28"	237°47'27"	47,477	-0,318
5667	ALB	8.243.693,055	182.308,355	1.026,25	191°42'54"	274°56'53"	62,240	0,875
5668	ALB	8.243.735,879	182.306,482	1.025,87	218°41'22"	301°55'21"	23,213	0,493



8. PROCESSAMENTO DO TRANSPORTE DE COORDENADAS POR GPS

Lista de pontos

Informações do projeto	Sistema de coordenadas	
Nome:	Nome:	Brasil (SGB) IBGE
Tamanho: Via de ligação Guará / Núcleo Bandeirante	Datum:	SICAD
Modificado:	Zona:	SICAD
Número de referência:	Geóide:	
Descrição:	Datum vertical:	

Lista de pontos

ID	Direção leste (Metro)	Direção norte (Metro)	Elevação (Metro)	Código de característica
DF 003	185104,641	8253639,027	1124,256	
G1	181201,112	8245766,640	1075,035	
G2	181243,287	8245552,028	1072,598	
G3	181553,263	8243573,007	1047,169	
G4	181893,173	8243546,899	1042,567	

Data:17/11/2010 19:38:41

Projeto:

Spectra Precision Survey Office

Lista de vetores

Informações do projeto	Sistema de coordenadas	
Nome: Via de ligação Guará / Núcleo Bandeirante	Nome:	Brasil (SGB) IBGE
Tamanho:	Datum:	SICAD
Modificado:	Zona:	SICAD
Número de referência:	Geóide:	
Descrição:	Datum vertical:	

Lista de vetores

Nível de confiança de precisão 95%								
ID do vetor	A partir da ID do ponto	Para ID do ponto	Tipo de solução	Horário inicial	Duração	Precisão H (Metro)	Precisão V (Metro)	Dist. elips. (Metro)
V3	DF 003	G1	Fixo	13/11/2010 13:25:46	00:43:45	0,009	0,021	8779,641
V2	DF 003	G2	Fixo	13/11/2010 14:15:01	00:30:00	0,012	0,041	8954,022
V1	DF 003	G4	Fixo	13/11/2010 15:01:31	00:33:15	0,012	0,052	10581,893
V6	DF 003	G3	Fixo	13/11/2010 15:41:01	00:29:45	0,017	0,037	10665,161

Data:17/11/2010 19:39:12

Projeto:

Spectra Precision Survey Office

Relatório de processamento das linhas de base

Informações do projeto	Sistema de coordenadas
Nome: Via de ligação Guará / Núcleo Bandeirante	Nome: Brasil (SGB) IBGE
Tamanho:	Datum: SICAD
Modificado:	Zona: SICAD
Número de referência:	Geóide:
Descrição:	Datum vertical:

Relatório de processamento das linhas de base

Resumo do processamento

Observação	De	Para	Tipo de solução	Precisão de H (Metro)	Prec. V (Metro)	Azimute geodésico	Distância do elip. (Metro)	ΔAltura (Metro)
DF 003 --- G1 (B3)	DF 003	G1	Corrigido	0,009	0,021	207°10'33"	8779,641	-49,221
DF 003 --- G2 (B2)	DF 003	G2	Corrigido	0,012	0,041	206°19'29"	8954,022	-51,658
DF 003 --- G4 (B1)	DF 003	G4	Corrigido	0,012	0,052	198°27'13"	10581,893	-81,689
DF 003 --- G3 (B6)	DF 003	G3	Corrigido	0,017	0,037	200°14'07"	10665,161	-77,087

Resumo da aceitação

Processado	Passado	Sinalizador 	Falha 
6	5	0	0

Data: 17/11/2010 19:39:42	Projeto:	Spectra Precision Survey Office
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Relatório de processamento das linhas de base

Informações do projeto	Sistema de coordenadas	
Nome:	Nome:	Brasil (SGB) IBGE
Tamanho: Via de ligação Guará / Núcleo Bandeirante	Datum:	SICAD
Modificado:	Zona:	SICAD
Número de referência:	Geóide:	
Descrição:	Datum vertical:	

Relatório de processamento das linhas de base

Detalhes da sessão

DF 003 - G1 (13:25:46-14:09:31) (S3)

Observação da linha de base:	DF 003 --- G1 (B3)
Processado:	17/11/2010 19:37:34
Tipo de solução:	Corrigido
Frequência usada:	Várias frequências
Precisão horizontal:	0,009 m
Precisão vertical:	0,021 m
RMS:	0,040 m
Proporção:	2,047
Efemérides usadas:	Transmissão
Modelo de antena:	Calibração da Trimble
Horário de início do processamento:	13/11/2010 13:25:46 (Local: UTC-2hr)
Horário de parada do processamento:	13/11/2010 14:09:31 (Local: UTC-2hr)
Duração do processamento:	00:43:45

Componentes do vetor (Marcar para marcar)

De:	DF 003					
	Quadrícula		Local		Global	
Direção norte	8253639,027 m	Latitude	S15°46'33,11997"	Latitude	S15°46'35,06864"	
Direção leste	185104,641 m	Longitude	O47°56'19,31794"	Longitude	O47°56'17,42931"	
Elevação	1128,595 m	Altura	1128,595 m	Altura	1115,345 m	

Para:	G1					
	Quadrícula		Local		Global	
Direção norte	8245766,646 m	Latitude	S15°50'47,20215"	Latitude	S15°50'49,15524"	
Direção leste	181201,115 m	Longitude	O47°58'34,07836"	Longitude	O47°58'32,19515"	
Elevação	1079,374 m	Altura	1079,374 m	Altura	1066,162 m	

Informações do projeto	Sistema de coordenadas	
Nome:	Nome:	Brasil (SGB) IBGE
Tamanho:	Datum:	SICAD
Modificado:	Zona:	SICAD
Número de referência:	Geóide:	
Descrição:	Datum vertical:	

Relatório de processamento das linhas de base

Detalhes da sessão

DF 003 - G2 (14:15:01-14:45:01) (S2)

Observação da linha de base:	DF 003 --- G2 (B2)
Processado:	17/11/2010 19:37:35
Tipo de solução:	Corrigido
Frequência usada:	Várias frequências
Precisão horizontal:	0,012 m
Precisão vertical:	0,041 m
RMS:	0,031 m
Proporção:	2,644
Efemérides usadas:	Transmissão
Modelo de antena:	Calibração da Trimble
Horário de início do processamento:	13/11/2010 14:15:01 (Local: UTC-2hr)
Horário de parada do processamento:	13/11/2010 14:45:01 (Local: UTC-2hr)
Duração do processamento:	00:30:00

Componentes do vetor (Marcar para marcar)

De:	DF 003				
	Quadrícula		Local		Global
Direção norte	8253639,027 m	Latitude	S15°46'33,11997"	Latitude	S15°46'35,06864"
Direção leste	185104,641 m	Longitude	O47°56'19,31794"	Longitude	O47°56'17,42931"
Elevação	1128,595 m	Altura	1128,595 m	Altura	1115,345 m

Para:	G2				
	Quadrícula		Local		Global
Direção norte	8245552,033 m	Latitude	S15°50'54,19680"	Latitude	S15°50'56,15001"
Direção leste	181243,290 m	Longitude	O47°58'32,76461"	Longitude	O47°58'30,88132"
Elevação	1076,936 m	Altura	1076,936 m	Altura	1063,727 m

Informações do projeto	Sistema de coordenadas	
Nome: Via de ligação Guará / Núcleo Bandeirante	Nome:	Brasil (SGB) IBGE
Tamanho:	Datum:	SICAD
Modificado:	Zona:	SICAD
Número de referência:	Geóide:	
Descrição:	Datum vertical:	

Relatório de processamento das linhas de base

Detalhes da sessão

DF 003 - G3 (15:41:01-16:10:46) (S6)

Observação da linha de base:	DF 003 --- G3 (B6)
Processado:	17/11/2010 19:37:36
Tipo de solução:	Corrigido
Frequência usada:	Várias frequências
Precisão horizontal:	0,017 m
Precisão vertical:	0,037 m
RMS:	0,013 m
Proporção:	2,963
Efemérides usadas:	Transmissão
Modelo de antena:	Calibração da Trimble
Horário de início do processamento:	13/11/2010 15:41:01 (Local: UTC-2hr)
Horário de parada do processamento:	13/11/2010 16:10:46 (Local: UTC-2hr)
Duração do processamento:	00:29:45

Componentes do vetor (Marcar para marcar)

De:	DF 003					
	Quadrícula		Local		Global	
Direção norte	8253639,027 m	Latitude	S15°46'33,11997"	Latitude	S15°46'35,06864"	
Direção leste	185104,641 m	Longitude	O47°56'19,31794"	Longitude	O47°56'17,42931"	
Elevação	1128,595 m	Altura	1128,595 m	Altura	1115,345 m	
Para:	G3					
	Quadrícula		Local		Global	
Direção norte	8243573,014 m	Latitude	S15°51'58,66066"	Latitude	S15°52'00,61489"	
Direção leste	181553,265 m	Longitude	O47°58'23,30009"	Longitude	O47°58'21,41620"	
Elevação	1051,508 m	Altura	1051,508 m	Altura	1038,320 m	

Relatório de processamento das linhas de base

Informações do projeto	Sistema de coordenadas
Nome:	Nome: Brasil (SGB) IBGE
Tamanho: Via de ligação Guará / Núcleo Bandeirante	Datum: SICAD
Modificado:	Zona: SICAD
Número de referência:	Geóide:
Descrição:	Datum vertical:

Relatório de processamento das linhas de base

Detalhes da sessão

DF 003 - G4 (15:01:31-15:34:46) (S1)

Observação da linha de base:	DF 003 --- G4 (B1)
Processado:	17/11/2010 19:37:35
Tipo de solução:	Corrigido
Frequência usada:	Várias frequências
Precisão horizontal:	0,012 m
Precisão vertical:	0,052 m
RMS:	0,009 m
Proporção:	5,232
Efemérides usadas:	Transmissão
Modelo de antena:	Calibração da Trimble
Horário de início do processamento:	13/11/2010 15:01:31 (Local: UTC-2hr)
Horário de parada do processamento:	13/11/2010 15:34:46 (Local: UTC-2hr)
Duração do processamento:	00:33:15

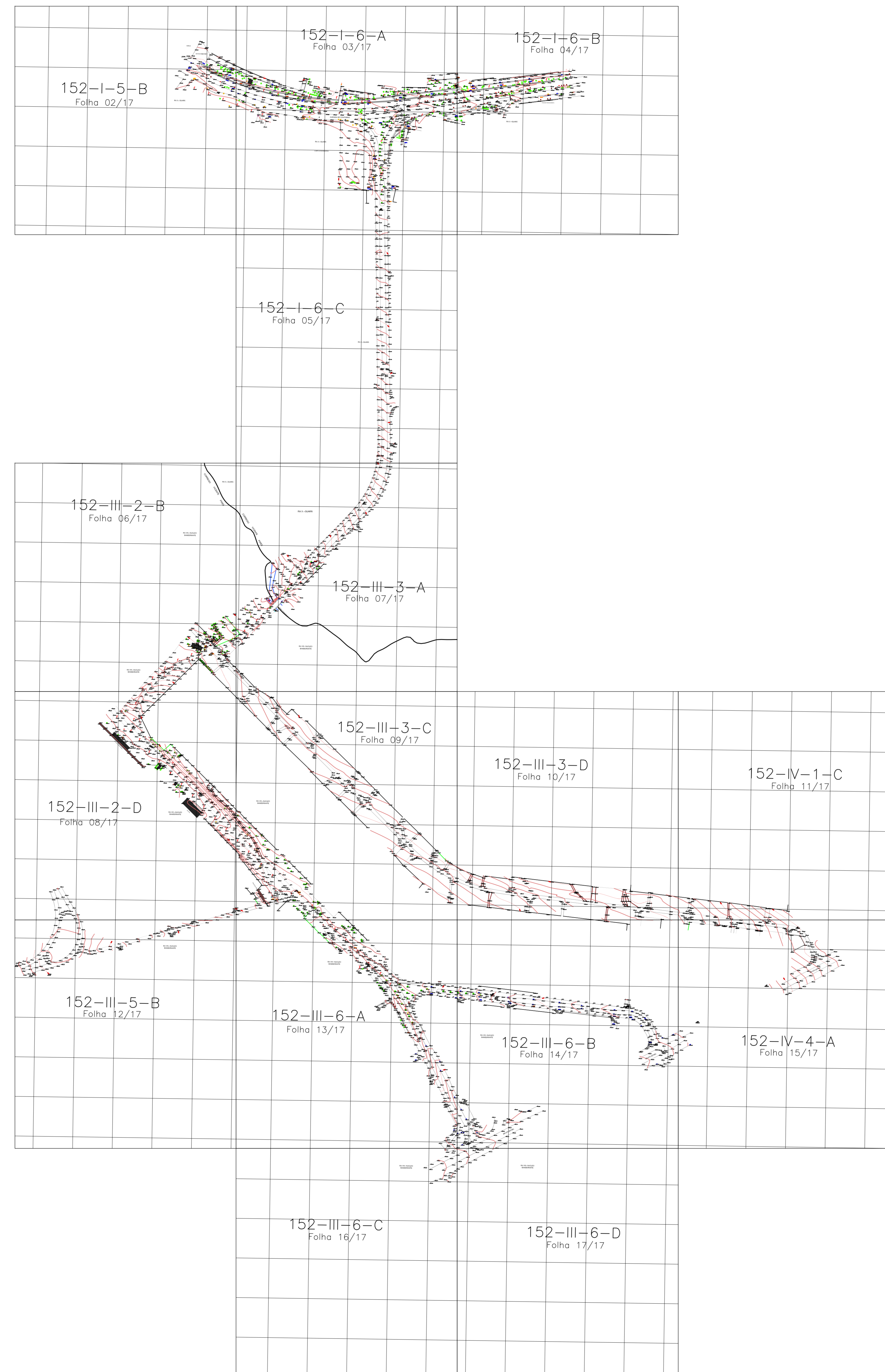
Componentes do vetor (Marcar para marcar)

De:	DF 003				
	Quadrícula		Local		Global
Direção norte	8253639,027 m	Latitude	S15°46'33,11997"	Latitude	S15°46'35,06864"
Direção leste	185104,641 m	Longitude	O47°56'19,31794"	Longitude	O47°56'17,42931"
Elevação	1128,595 m	Altura	1128,595 m	Altura	1115,345 m

Para:	G4				
	Quadrícula		Local		Global
Direção norte	8243546,906 m	Latitude	S15°51'59,66599"	Latitude	S15°52'01,62021"
Direção leste	181893,176 m	Longitude	O47°58'11,89886"	Longitude	O47°58'10,01446"
Elevação	1046,906 m	Altura	1046,906 m	Altura	1033,722 m



9. DESENHOS



- LEGENDA**
- ALAMBRADO
 - CERCA DE ARAME
 - GRADE
 - CERCA VIVA
 - HEMISFÉRIO
 - RESÍDUO
 - CAXA - ESGOTO
 - FOSSA
 - POÇO DE VISITA - ESGOTO
 - POÇO DE VISITA - ÁGUA PLUVIAL
 - POÇO DE VISITA - TELEFONE
 - CAXA - TELEFONE
 - POÇO DE VISITA - LUZ
 - POÇO DE VISITA - NÃO IDENTIFICADO
 - BOCA DE LIXO
 - LIXEIRA
 - BANCO DE CONCRETO
 - COQUEIRO
 - ÁRVORE
 - ORELHO
 - PLACA DE PROFUNDIDADE
 - PLACA INDICATIVA
 - PLACA DE SINALIZAÇÃO
 - POSTE DE CONCRETO
 - POSTE DE CONCRETO COM LUMINÁRIA
 - POSTE DE CONCRETO COM TRANSFORMADOR
 - POSTE DE CONCRETO COM LUMINÁRIA
 - LUMINÁRIA
 - REFLETOR
 - PADRÃO DE ENERGIA
 - SENSOR ELETRÔNICO (PARDA)
 - SEMAFORO

Extrema Construção Ltda. R. ADOLFO RUSSETTO FILHO, 1726/3 - OF. 1726/3-01 - Guarará - SP

LEVANTAMENTO CADASTRAL TOPOGRÁFICO

GUARÁ RA-X / NÚCLEO BANDEIRANTE RA-VIII
LEVANTAMENTO CADASTRAL TOPOGRÁFICO

TOP-XXX/XX

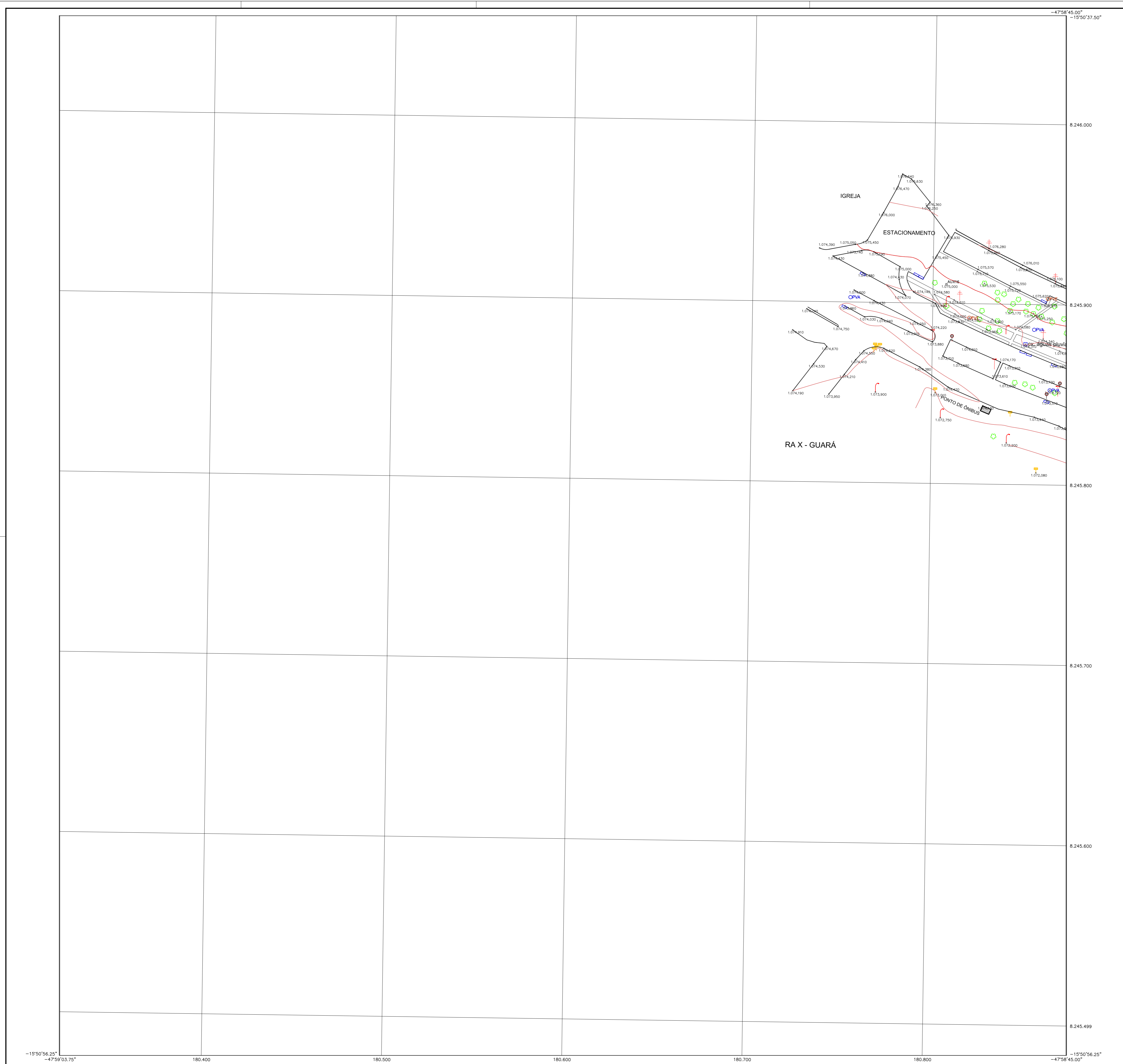
PLANTA GERAL	FOLHA: 01/17	ESCALA: 1:5000	DATA: DEZEMBRO/2016
PROJETO: EXTREMA	CÁLCULO: EXTREMA	REVISÃO: GERÊNCIA	VISTO: DIRETORIA
PLANTA GERAL - SICAD			

ARTICULAÇÃO DAS FOLHAS

MERIDIANO CENTRAL 45°
 DECL. MAG. 1991
 VARIACÃO ANUAL 5,16"W

GUARÁ RA-X / NÚCLEO BANDEIRANTE RA-VIII

Kr = 1.0006837



- LEGENDA**
- ALAMBRADO
 - CERCA DE ARAME
 - GRADE
 - CERCA VIVA
 - HIDRANTE
 - REGISTRO
 - CAIXA - ESGOTO
 - FOSSA
 - POÇO DE VISITA - ESGOTO
 - POÇO DE VISITA - ÁGUA PLUVIAL
 - POÇO DE VISITA - TELEFONE
 - CAIXA - TELEFONE
 - POÇO DE VISITA - LUZ
 - POÇO DE VISITA - NÃO IDENTIFICADO
 - BOCA DE LOBO
 - LIXEIRA
 - BANCO DE CONCRETO
 - COQUEIRO
 - ÁRVORE
 - ORELHÃO
 - PLACA DE PROPAGANDA
 - PLACA INDICATIVA
 - PLACA DE SINALIZAÇÃO
 - POSTE DE CONCRETO
 - POSTE DE CONCRETO COM ILUMINAÇÃO
 - POSTE DE CONCRETO COM TRANSFORMADOR
 - POSTE DE CONCRETO COM LUMINÁRIA
 - LUMINÁRIA
 - REFLETOR
 - PADRÃO DE ENERGIA
 - SENSOR ELETRÔNICO (PARDAL)
 - SEMAFORO

Extrema Construção Ltda. RI: ADELCKE ROSSETTO FILHO CREA: 1726/D-DF

LEVANTAMENTO CADASTRAL TOPOGRÁFICO

TOP-XXX/XX GUARÁ RA-X LEVANTAMENTO CADASTRAL TOPOGRÁFICO

PLANTA PARCIAL	FOLHA: 02/17	ESCALA: 1:1000	DATA: DEZEMBRO/2010
PROJETO: EXTREMA	CÁLCULO: EXTREMA	REVISÃO: GERENCIA	VISTO: DIRETORIA

APROVO: _____

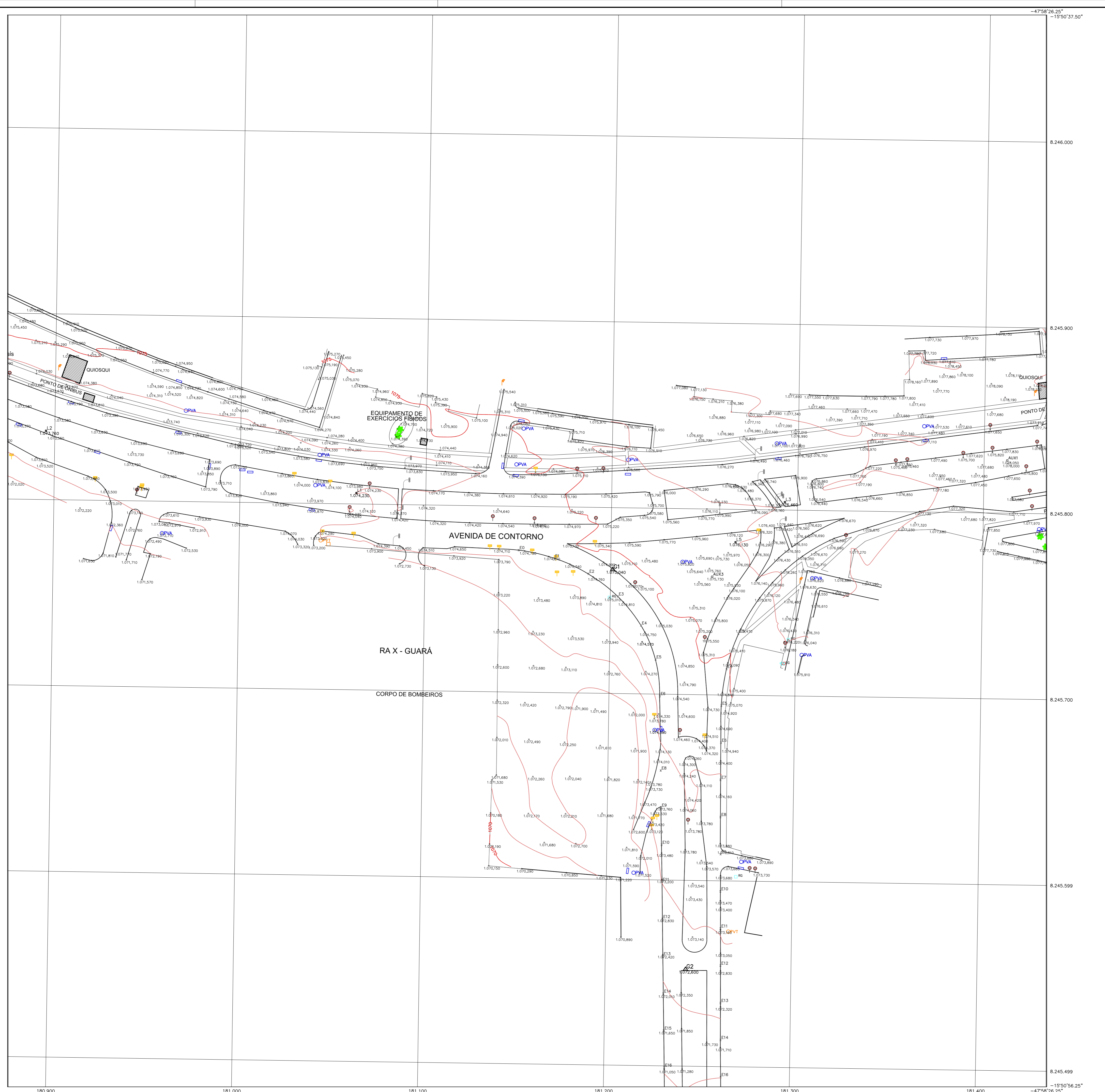
PLANTA PARCIAL

ARTICULAÇÃO DAS FOLHAS

152-1-2-c	152-1-2-d	152-1-3-c
152-1-5-a	152-1-5-b	152-1-6-a
152-1-5-c	152-1-5-d	152-1-6-c

MERIDIANO CENTRAL 45°
DECL. MAG. 1991
VARIÇÃO ANUAL 5,16'W

GUARÁ - RA-X Kr = 1.0006837



- LEGENDA**
- ALAMBRADO
 - CERCA DE ARAME
 - GRADE
 - CERCA VIVA
 - HIDRANTE
 - REGISTRO
 - CAIXA - ESGOTO
 - FS FOSSA
 - OPVE POÇO DE VISITA - ESGOTO
 - OPVA POÇO DE VISITA - ÁGUA PLUVIAL
 - OPVT POÇO DE VISITA - TELEFONE
 - CAIXA - TELEFONE
 - OPVL POÇO DE VISITA - LUZ
 - OPVN POÇO DE VISITA - NÃO IDENTIFICADO
 - BOCA DE LOBO
 - LIXEIRA
 - BANCO DE CONCRETO
 - ★ COQUEIRO
 - ÁRVORE
 - ORELHÃO
 - PLACA DE PROPAGANDA
 - PLACA INDICATIVA
 - PLACA DE SINALIZAÇÃO
 - POSTE DE CONCRETO
 - POSTE DE CONCRETO COM ILUMINAÇÃO
 - POSTE DE CONCRETO COM TRANSFORMADOR
 - POSTE DE CONCRETO COM LUMINÁRIA
 - LUMINÁRIA
 - REFLETOR
 - PADRÃO DE ENERGIA
 - SENSOR ELETRÔNICO (PARDAL)
 - SEMAFORO

Extrema Construção Ltda. R: ADELCE ROSETTO FILHO
 CREA: 1726/D-DF

LEVANTAMENTO CADASTRAL TOPOGRÁFICO

TOP-XXX/XX GUARÁ RA-X
 LEVANTAMENTO CADASTRAL TOPOGRÁFICO

PLANTA PARCIAL	FOLHA: 03/17	ESCALA: 1:1000	DATA: DEZEMBRO/2010
PROJETO: EXTREMA	CÁLCULO: EXTREMA	REVISÃO: GERENCIA	VISTO: DIRETORIA
APROVO: _____			

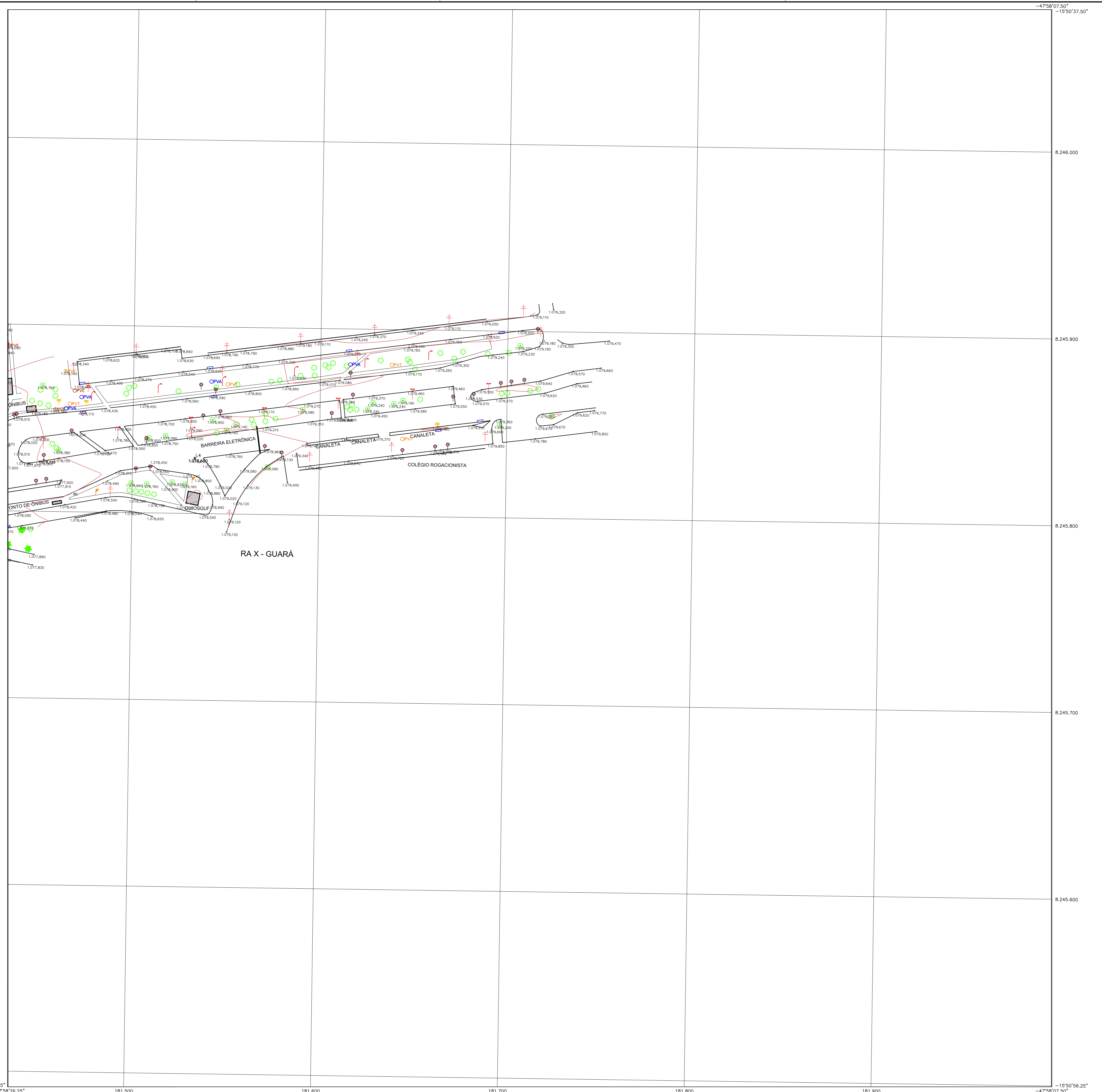
PLANTA PARCIAL

MERIDIANO CENTRAL 45°
 DECL. MAG. 1991
 VARIAÇÃO ANUAL 5,16'W

ARTICULAÇÃO DAS FOLHAS

152-1-2-D	152-1-3-C	152-1-3-D
152-1-5-B	152-1-6-A	152-1-6-B
152-1-5-D	152-1-6-C	152-1-6-D

Kr = 1.0006837



- LEGENDA**
- ALAMBRADO
 - CERCA DE ARAME
 - GRADE
 - CERCA VIVA
 - HIDRANTE
 - REGISTRO
 - CAIXA - ESGOTO
 - FOSSA
 - POÇO DE VISITA - ESGOTO
 - POÇO DE VISITA - ÁGUA PLUVIAL
 - POÇO DE VISITA - TELEFONE
 - CAIXA - TELEFONE
 - POÇO DE VISITA - LUZ
 - POÇO DE VISITA - NÃO IDENTIFICADO
 - BOCA DE LOBO
 - LIXEIRA
 - COQUEIRO
 - ÁRVORE
 - ORELHÃO
 - PLACA DE PROPAGANDA
 - PLACA INDICATIVA
 - PLACA DE SINALIZAÇÃO
 - POSTE DE CONCRETO
 - POSTE DE CONCRETO COM ILUMINAÇÃO
 - POSTE DE CONCRETO COM TRANSFORMADOR
 - POSTE DE CONCRETO COM LUMINÁRIA
 - LUMINÁRIA
 - REFLETOR
 - PADRÃO DE ENERGIA
 - SENSOR ELETRÔNICO (PARDAL)
 - SEMAFORO

Extrema Construção Ltda. RT: ADELCKE ROSSETTO FILHO CREA: 1726/D-DF

LEVANTAMENTO CADASTRAL TOPOGRÁFICO

TOP-XXX/XX GUARÁ RA-X
LEVANTAMENTO CADASTRAL TOPOGRÁFICO

PLANTA PARCIAL	FOLHA: 04/17	ESCALA: 1:1000	DATA: DEZEMBRO/2010
PROJETO: EXTREMA	CÁLCULO: EXTREMA	REVISÃO: GERENCIA	VISTO: DIRETORIA

APROVO: _____

PLANTA PARCIAL

COMPANHIA URBANIZADORA DA NOVA CAPITAL DO BRASIL

NM NG NQ

DECL. MAG. 1991

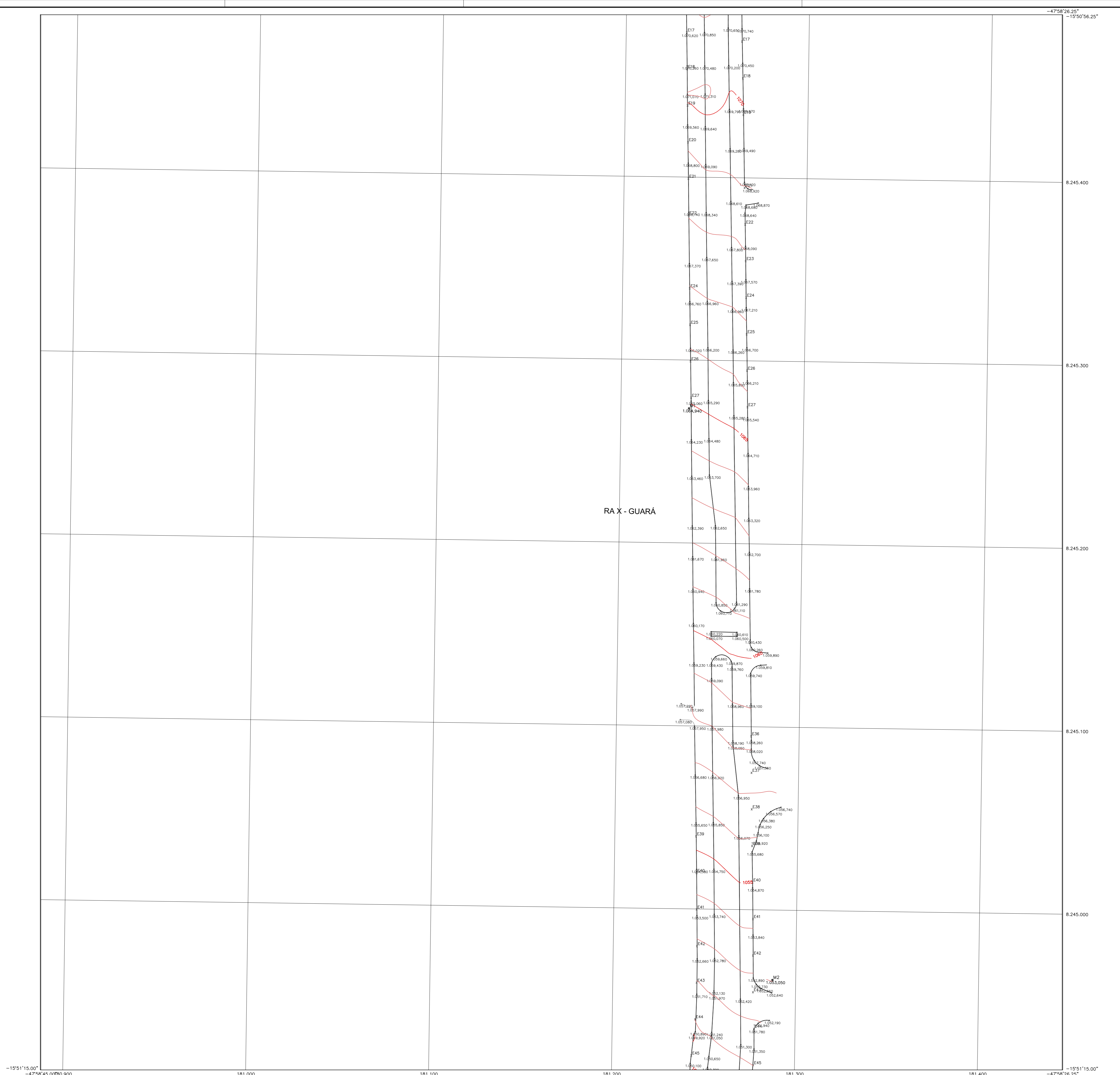
VARIAÇÃO ANUAL 5,16'W

GUARÁ - RA-X

ARTICULAÇÃO DAS FOLHAS

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152-1-6-A	152-1-6-B	152-1-6-A
152-1-6-C	152-1-6-D	152-1-4-C

Kr = 1.0006837



- LEGENDA**
- ALAMBRADO
 - CERCA DE ARAME
 - GRADE
 - CERCA VIVA
 - HIDRANTE
 - REGISTRO
 - CAIXA - ESGOTO
 - FOSSA
 - POÇO DE VISITA - ESGOTO
 - POÇO DE VISITA - ÁGUA PLUVIAL
 - POÇO DE VISITA - TELEFONE
 - CAIXA - TELEFONE
 - POÇO DE VISITA - LUZ
 - POÇO DE VISITA - NÃO IDENTIFICADO
 - BOCA DE LOBO
 - LIXEIRA
 - BANCO DE CONCRETO
 - ★ COQUEIRO
 - ÁRVORE
 - ORELHÃO
 - PLACA DE PROPAGANDA
 - PLACA INDICATIVA
 - PLACA DE SINALIZAÇÃO
 - POSTE DE CONCRETO
 - POSTE DE CONCRETO COM ILUMINAÇÃO
 - POSTE DE CONCRETO COM TRANSFORMADOR
 - POSTE DE CONCRETO COM LUMINÁRIA
 - LUMINÁRIA
 - REFLETOR
 - PADRÃO DE ENERGIA
 - SENSOR ELETRÔNICO (PARDAL)
 - SEMAFORO

RA X - GUARÁ

Extrema Construção Ltda. RT: ADELCKE ROSSETTO FILHO CREA: 1726/D-DF

LEVANTAMENTO CADASTRAL TOPOGRÁFICO

TOP-XXX/XX GUARÁ RA-X LEVANTAMENTO CADASTRAL TOPOGRÁFICO

PLANTA PARCIAL	FOLHA: 05/17	ESCALA: 1:1000	DATA: DEZEMBRO/2010
PROJETO: EXTREMA	CÁLCULO: EXTREMA	REVISÃO: GERENCIA	VISTO: DIRETORIA

PLANTA PARCIAL

MERIDIANO CENTRAL 45°

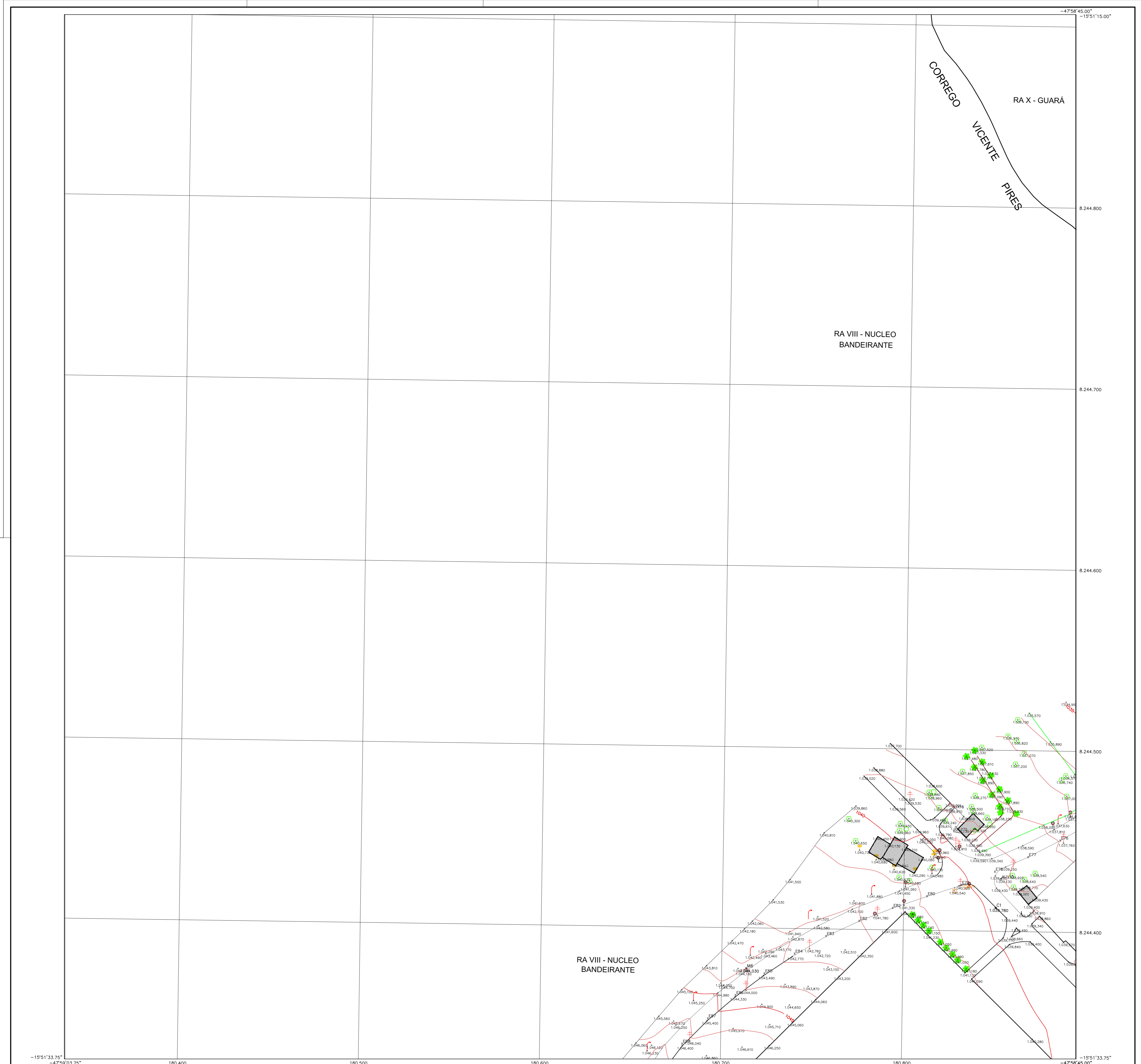
DECL. MAG. 1991

VARIAÇÃO ANUAL 5,16"W

ARTICULAÇÃO DAS FOLHAS

152-1-B-B	152-1-B-A	152-1-B-B
152-1-B-D	152-1-B-C	152-1-B-D
152-1-B-B	152-1-B-A	152-1-B-B

Kr = 1.0006837



- LEGENDA**
- ALAMBRADO
 - ORELHÃO
 - CERCA DE ARAME
 - PLACA DE PROPAGANDA
 - GRADE
 - PLACA INDICATIVA
 - CERCA VIVA
 - PLACA DE SINALIZAÇÃO
 - HIDRANTE
 - POSTE DE CONCRETO
 - REGISTRO
 - POSTE DE CONCRETO COM ILUMINAÇÃO
 - CAIXA - ESGOTO
 - POSTE DE CONCRETO COM TRANSFORMADOR
 - FOSSA
 - POSTE DE CONCRETO COM LUMINÁRIA
 - POÇO DE VISITA - ESGOTO
 - LUMINÁRIA
 - POÇO DE VISITA - ÁGUA PLUVIAL
 - REFLETOR
 - POÇO DE VISITA - TELEFONE
 - PADRÃO DE ENERGIA
 - CAIXA - TELEFONE
 - SENSOR ELETRÔNICO (PARDAL)
 - POÇO DE VISITA - LUZ
 - SEMAFORO
 - POÇO DE VISITA - NÃO IDENTIFICADO
 - BOCA DE LOBO
 - LIXEIRA
 - BANCO DE CONCRETO
 - COQUEIRO
 - ÁRVORE

Extrema Construção Ltda. RT: ADELCKE ROSSETTO FILHO CREA: 1726/D-DF

LEVANTAMENTO CADASTRAL TOPOGRÁFICO

TOP-XXX/XX GUARÁ RA-X / NUCLEO BANDEIRANTE RA-VIII
LEVANTAMENTO CADASTRAL TOPOGRÁFICO

PLANTA PARCIAL	FOLHA: 06/17	ESCALA: 1:1000	DATA: DEZEMBRO/2010
PROJETO: EXTREMA	CÁLCULO: EXTREMA	REVISÃO: GERENCIA	VISTO: DIRETORIA

PLANTA PARCIAL

NOVACAP
COMPANHIA URBANIZADORA DA NOVA CAPITAL DO BRASIL

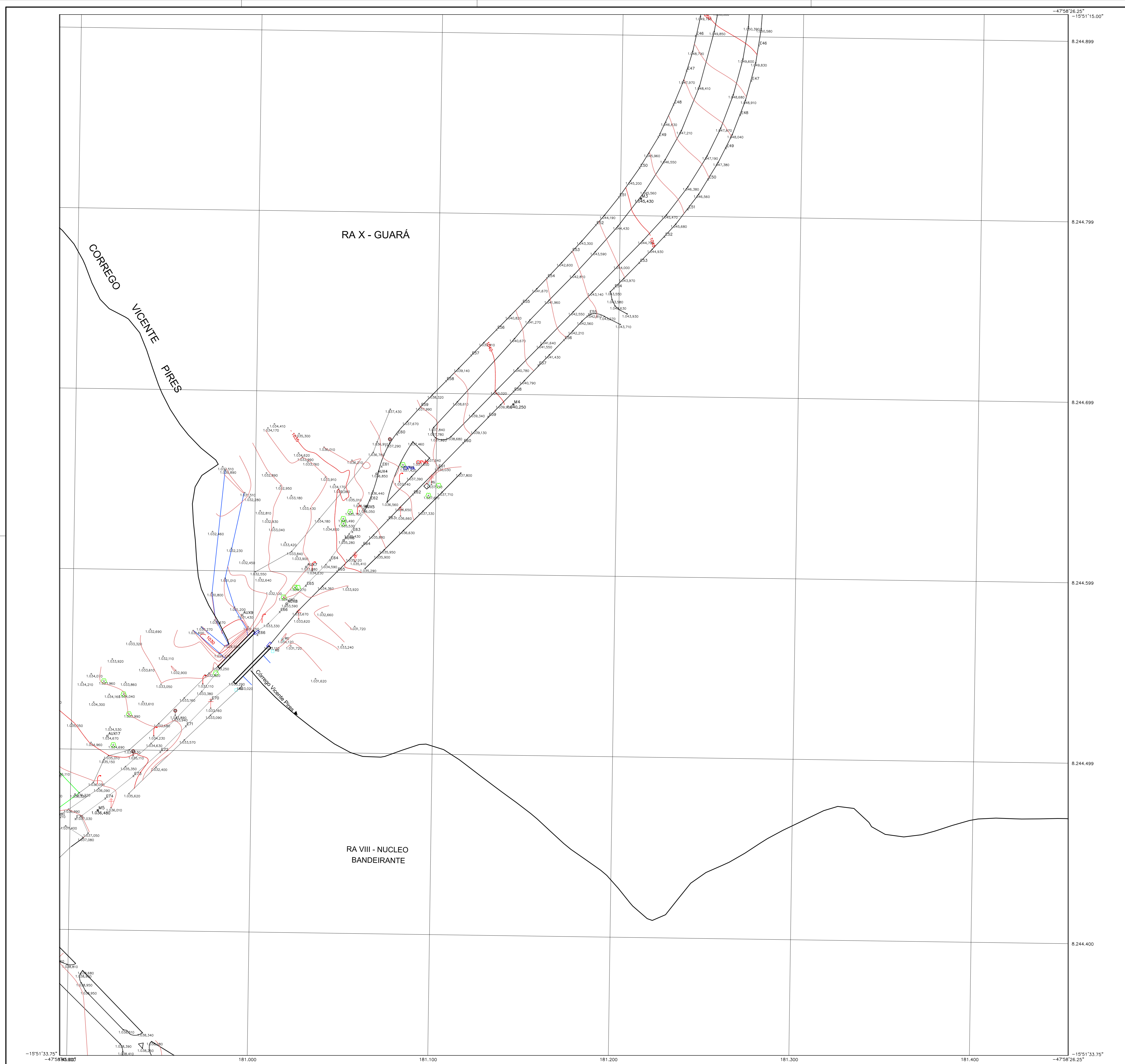
MERIDIANO CENTRAL 45°
DECL. MAG. 1991
VARIÇÃO ANUAL 5,16'W

ARTICULAÇÃO DAS FOLHAS

152-III-2-A	152-III-2-B	152-III-2-C
152-III-2-A	152-III-2-B	152-III-2-A
152-III-2-C	152-III-2-D	152-III-2-C

—17°54' 07"48"55,49"

GUARÁ RA-X / NUCLEO BANDEIRANTE RA-VIII Kr = 1.0006837



- LEGENDA**
- ALAMBRADO
 - CERCA DE ARAME
 - GRADE
 - CERCA VIVA
 - HIDRANTE
 - REGISTRO
 - CAIXA - ESGOTO
 - FOSSA
 - POÇO DE VISITA - ESGOTO
 - POÇO DE VISITA - ÁGUA PLUVIAL
 - POÇO DE VISITA - TELEFONE
 - CAIXA - TELEFONE
 - POÇO DE VISITA - LUZ
 - POÇO DE VISITA - NÃO IDENTIFICADO
 - BOCA DE LOBO
 - LIXEIRA
 - BANCO DE CONCRETO
 - ★ COQUEIRO
 - ÁRVORE
 - ORELHÃO
 - PLACA DE PROPAGANDA
 - PLACA INDICATIVA
 - PLACA DE SINALIZAÇÃO
 - POSTE DE CONCRETO
 - POSTE DE CONCRETO COM ILUMINAÇÃO
 - POSTE DE CONCRETO COM TRANSFORMADOR
 - POSTE DE CONCRETO COM LUMINÁRIA
 - LUMINÁRIA
 - REFLETOR
 - PADRÃO DE ENERGIA
 - SENSOR ELETRÔNICO (PARDAL)
 - SEMAFORO

Extrema Construção Ltda. R: ADELCKE ROSSETTO FILHO CREA: 1726/D-DF

LEVANTAMENTO CADASTRAL TOPOGRÁFICO

TOP-XXX/XX GUARÁ RA-X / NUCLEO BANDEIRANTE RA-VIII
LEVANTAMENTO CADASTRAL TOPOGRÁFICO

PLANTA PARCIAL	FOLHA: 07/17	ESCALA: 1:1000	DATA: DEZEMBRO/2010
PROJETO: EXTREMA	CÁLCULO: EXTREMA	REVISÃO: GERENCIA	VISTO: DIRETORIA

APROVO: _____

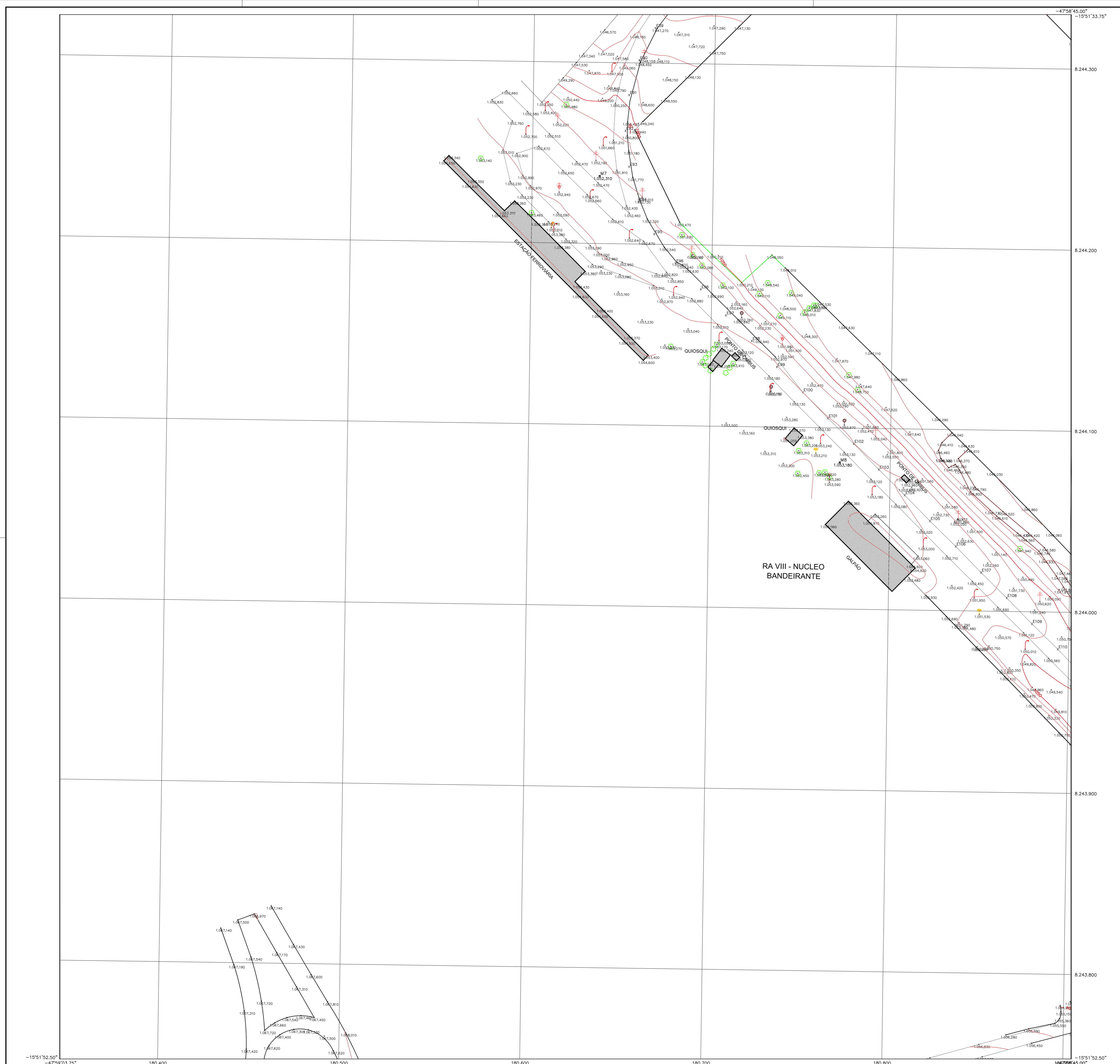
PLANTA PARCIAL

ARTICULAÇÃO DAS FOLHAS

152-III-5-D	152-III-6-C	152-III-6-D
152-III-2-B	152-III-3-A	152-III-3-B
152-III-2-D	152-III-3-C	152-III-3-D

MERIDIANO CENTRAL 45°
DECL. MAG. 1991
VARIÇÃO ANUAL 5,16'W

GUARÁ RA-X / NUCLEO BANDEIRANTE RA-VIII
Kr = 1.0006837



- LEGENDA**
- ALAMBRADO
 - CERCA DE ARAME
 - GRADE
 - CERCA VIVA
 - HIDRANTE
 - REGISTRO
 - CAIXA - ESGOTO
 - FOSSA
 - POÇO DE VISITA - ESGOTO
 - POÇA DE VISITA - AGUA PLUVIAL
 - POÇA DE VISITA - TELEFONE
 - CAIXA - TELEFONE
 - POÇA DE VISITA - LUZ
 - POÇA DE VISITA - NÃO IDENTIFICADO
 - BOCA DE LOBO
 - LIXEIRA
 - BANCO DE CONCRETO
 - ★ COQUEIRO
 - ÁRVORE
 - ORELHÃO
 - PLACA DE PROPAGANDA
 - PLACA INDICATIVA
 - PLACA DE SINALIZAÇÃO
 - POSTE DE CONCRETO
 - POSTE DE CONCRETO COM ILUMINAÇÃO
 - POSTE DE CONCRETO COM TRANSFORMADOR
 - POSTE DE CONCRETO COM LUMINÁRIA
 - LUMINÁRIA
 - REFLETOR
 - PADRÃO DE ENERGIA
 - SENSOR ELETRÔNICO (PARDAL)
 - SEMAFORO

Extrema Construção Ltda. RI: ADELCKE ROSSETTO FILHO CREA: 1726/D-DF

LEVANTAMENTO CADASTRAL TOPOGRÁFICO

TOP-XXX/XX NUCLEO BANDEIRANTE RA - VIII
LEVANTAMENTO CADASTRAL TOPOGRÁFICO

PLANTA PARCIAL	FOLHA: 08/17	ESCALA: 1:1000	DATA: DEZEMBRO/2010
PROJETO: EXTREMA	CÁLCULO: EXTREMA	REVISÃO: GERENCIA	VISTO: DIRETORIA
APROVO: _____			

PLANTA PARCIAL

NOVACAP
COMPANHIA URBANIZADORA DA NOVA CAPITAL DO BRASIL

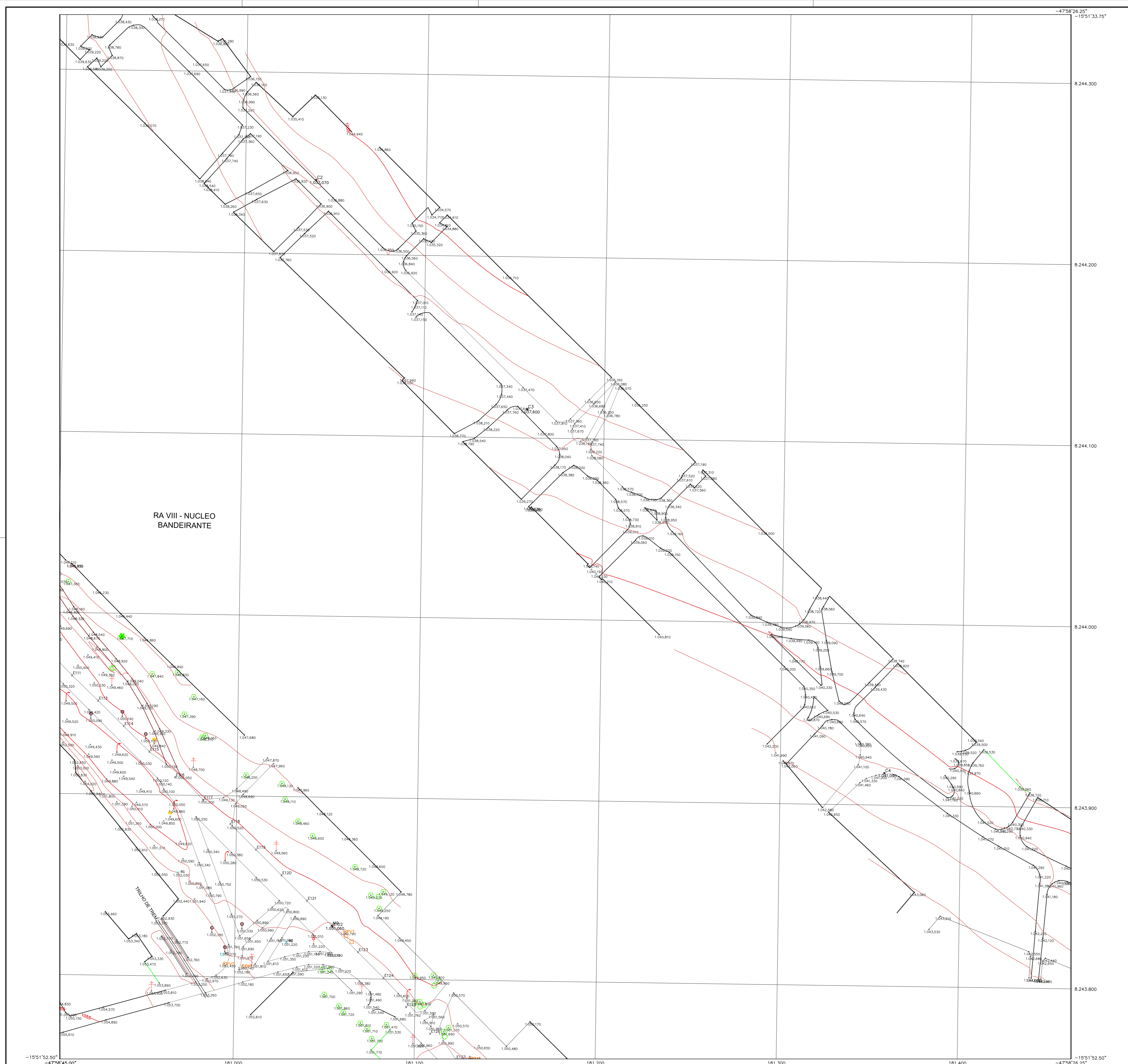
MERIDIANO CENTRAL 45°
DECL. MAG. 1991
VARIAÇÃO ANUAL 5,16'W

ARTICULAÇÃO DAS FOLHAS

152-III-2-A	152-III-2-B	152-III-3-A
152-III-2-C	152-III-2-D	152-III-2-E
152-III-3-A	152-III-3-B	152-III-3-C

K_r = 1.0006837

NUCLEO BANDEIRANTE - RA-VIII



RA VIII - NUCLEO BANDEIRANTE

- LEGENDA
- ALAMBRADO
 - CERCA DE ARAME
 - GRADE
 - CERCA VIVA
 - HIDRANTE
 - REGISTRO
 - CAIXA - ESGOTO
 - FOSSA
 - POÇO DE VISITA - ESGOTO
 - POÇO DE VISITA - ÁGUA PLUVIAL
 - POÇO DE VISITA - TELEFONE
 - CAIXA - TELEFONE
 - POÇO DE VISITA - LUZ
 - POÇO DE VISITA - NÃO IDENTIFICADO
 - BOCA DE LOBO
 - LIXEIRA
 - BANCO DE CONCRETO
 - ★ COQUEIRO
 - ÁRVORE
 - ORELHÃO
 - PLACA DE PROPAGANDA
 - PLACA INDICATIVA
 - PLACA DE SINALIZAÇÃO
 - POSTE DE CONCRETO
 - POSTE DE CONCRETO COM ILUMINAÇÃO
 - POSTE DE CONCRETO COM TRANSFORMADOR
 - POSTE DE CONCRETO COM LUMINÁRIA
 - LUMINÁRIA
 - REFLETOR
 - PADRÃO DE ENERGIA
 - SENSOR ELETRÔNICO (PARDAL)
 - SEMAFORO

Extrema Construção Ltda. RI: ADELCE ROSETTO FILHO CREA: 1726/D-DF

LEVANTAMENTO CADASTRAL TOPOGRÁFICO

TOP-XXX/XX NUCLEO BANDEIRANTE RA - VIII
LEVANTAMENTO CADASTRAL TOPOGRÁFICO

PLANTA PARCIAL	FOLHA: 09/17	ESCALA: 1:1000	DATA: DEZEMBRO/2010
PROJETO: EXTREMA	CÁLCULO: EXTREMA	REVISÃO: GERENCIA	VISTO: DIRETORIA
APROVO: _____		APROVO: _____	

PLANTA PARCIAL

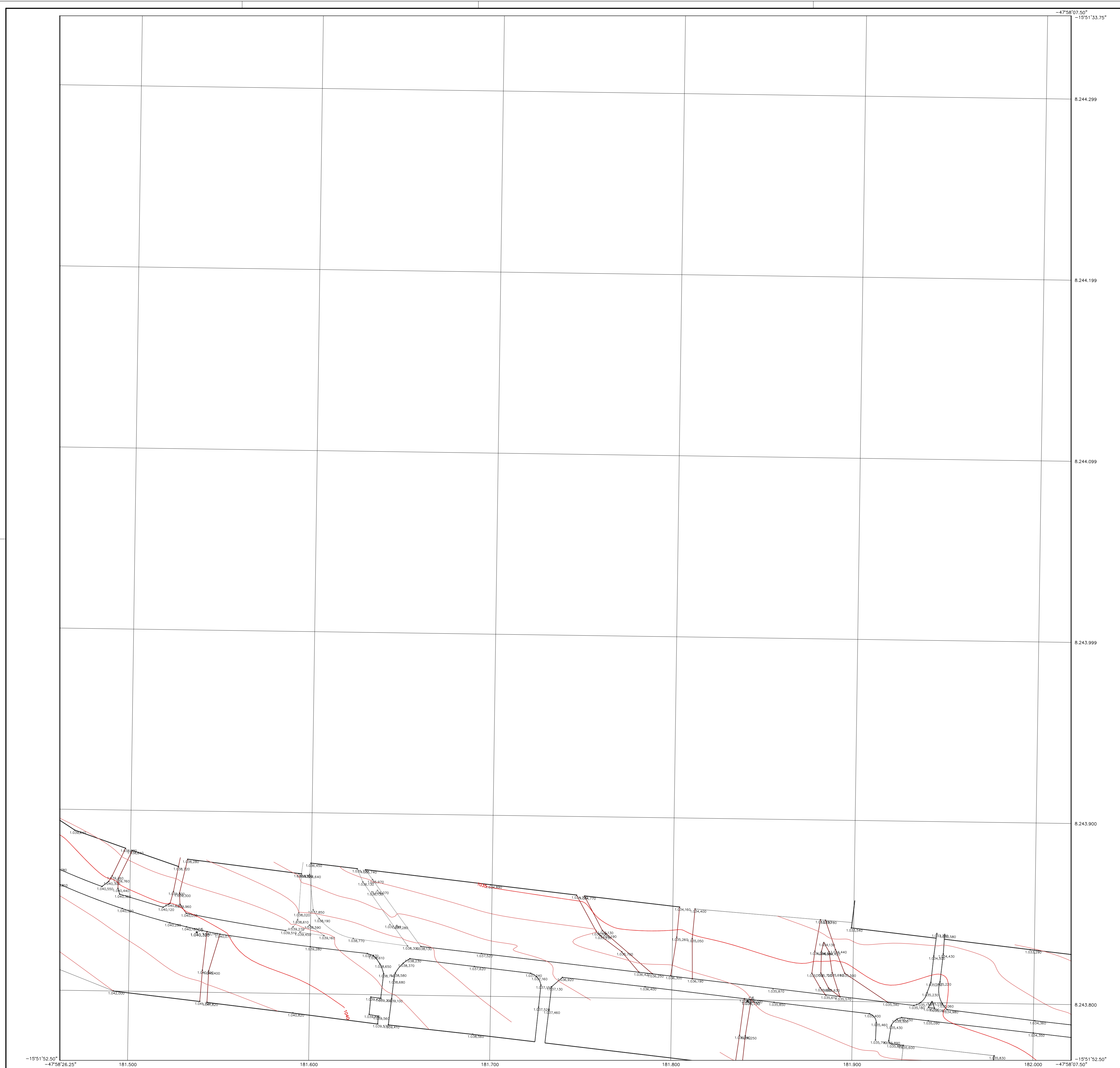
MERIDIANO CENTRAL 45°
DECL. MAG. 1991
VARIÇÃO ANUAL 5,16'W

ARTICULAÇÃO DAS FOLHAS

152-III-2-B	152-III-3-A	152-III-3-B
152-III-2-D	152-III-3-C	152-III-3-D
152-III-3-B	152-III-3-A	152-III-3-B

NUCLEO BANDEIRANTE - RA-VIII

Kr = 1.0006837



- LEGENDA**
- ALAMBRADO
 - CERCA DE ARAME
 - GRADE
 - CERCA VIVA
 - HIDRANTE
 - REGISTRO
 - CAIXA - ESGOTO
 - FS FOSSA
 - PVE POÇO DE VISITA - ESGOTO
 - PVA POÇO DE VISITA - ÁGUA PLUVIAL
 - PVT POÇO DE VISITA - TELEFONE
 - CAIXA - TELEFONE
 - PVL POÇO DE VISITA - LUZ
 - PVN POÇO DE VISITA - NÃO IDENTIFICADO
 - BOCA DE LOBO
 - ↑ LIXEIRA
 - BANCO DE CONCRETO
 - ★ COQUEIRO
 - ÁRVORE
 - ORELHÃO
 - PLACA DE PROPAGANDA
 - PLACA INDICATIVA
 - PLACA DE SINALIZAÇÃO
 - POSTE DE CONCRETO
 - POSTE DE CONCRETO COM ILUMINAÇÃO
 - POSTE DE CONCRETO COM TRANSFORMADOR
 - POSTE DE CONCRETO COM LUMINÁRIA
 - LUMINÁRIA
 - REFLETOR
 - PADRÃO DE ENERGIA
 - SENSOR ELETRÔNICO (PARDAL)
 - SEMAFORO

Extrema Construção Ltda. R1: ADELCKE ROSSETTO FILHO CREA: 1726/D-DF

LEVANTAMENTO CADASTRAL TOPOGRÁFICO

TOP-XXX/XX NUCLEO BANDEIRANTE RA - VIII
LEVANTAMENTO CADASTRAL TOPOGRÁFICO

PLANTA PARCIAL	FOLHA: 10/17	ESCALA: 1:1000	DATA: DEZEMBRO/2010
PROJETO: EXTREMA	CÁLCULO: EXTREMA	REVISÃO: GERENCIA	VISTO: DIRETORIA

APROVO: _____

PLANTA PARCIAL

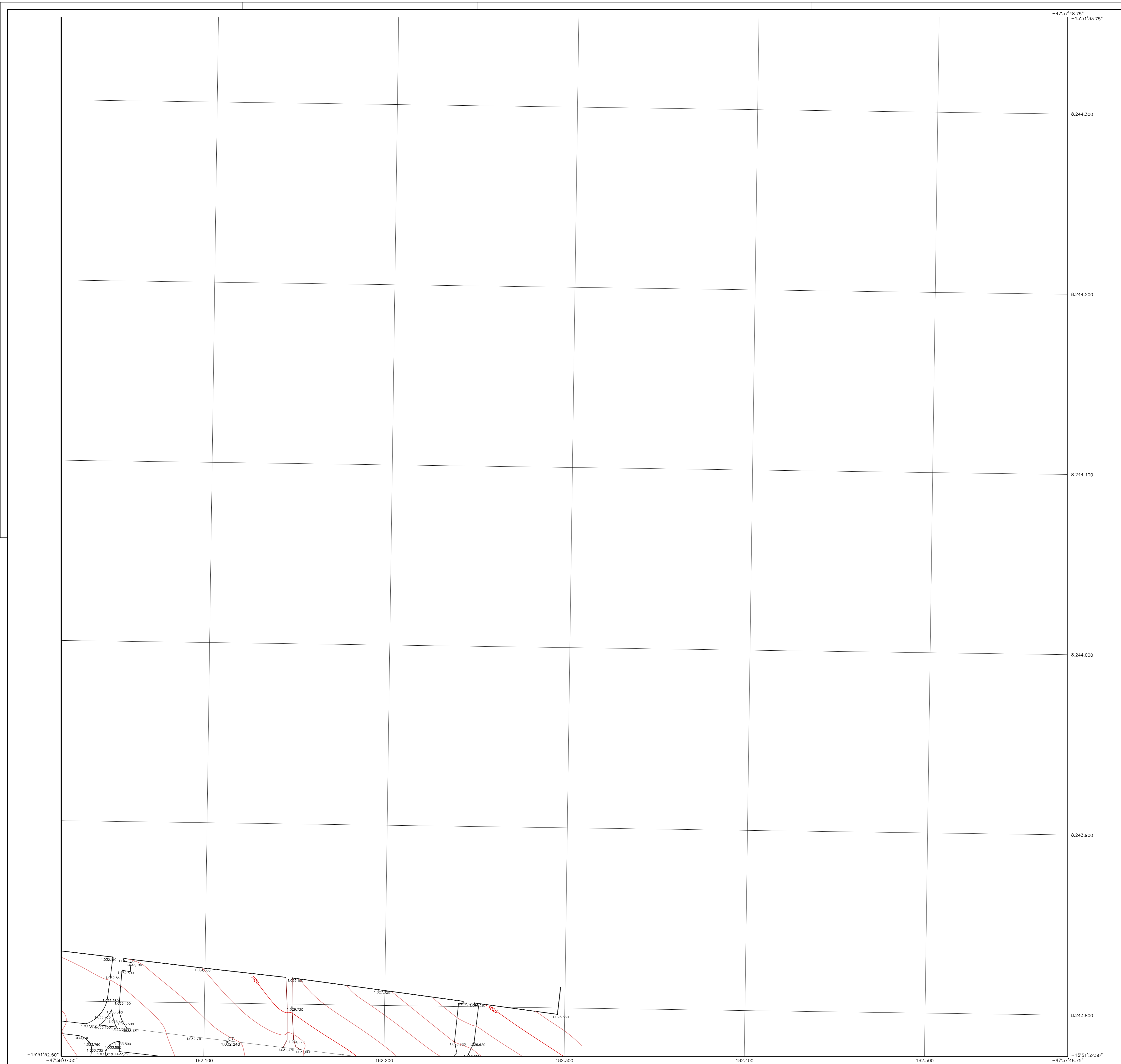
NOVACAP
COMPANHIA URBANIZADORA DA NOVA CAPITAL DO BRASIL

MERIDIANO CENTRAL 45°
DECL. MAG. 1991
VARIÇÃO ANUAL 5,16'W

ARTICULAÇÃO DAS FOLHAS

152-III-3-A	152-III-3-B	152-III-1-A
152-III-3-C	152-III-3-D	152-III-1-C
152-III-4-A	152-III-4-B	152-III-4-A

Kr = 1.0006837



- LEGENDA**
- ALAMBRADO
 - CERCA DE ARAME
 - GRADE
 - CERCA VIVA
 - HIDRANTE
 - REGISTRO
 - CAIXA - ESGOTO
 - FOSSA
 - POÇO DE VISITA - ESGOTO
 - POÇO DE VISITA - ÁGUA PLUVIAL
 - POÇO DE VISITA - TELEFONE
 - CAIXA - TELEFONE
 - POÇO DE VISITA - LUZ
 - POÇO DE VISITA - NÃO IDENTIFICADO
 - BOCA DE LOBO
 - LIXEIRA
 - BANCO DE CONCRETO
 - COQUEIRO
 - ÁRVORE
 - ORELHÃO
 - PLACA DE PROPAGANDA
 - PLACA INDICATIVA
 - PLACA DE SINALIZAÇÃO
 - POSTE DE CONCRETO
 - POSTE DE CONCRETO COM ILUMINAÇÃO
 - POSTE DE CONCRETO COM TRANSFORMADOR
 - POSTE DE CONCRETO COM LUMINÁRIA
 - LUMINÁRIA
 - REFLETOR
 - PADRÃO DE ENERGIA
 - SENSOR ELETRÔNICO (PARDAL)
 - SEMAFORO

Extrema Construção Ltda. R: ADELCKE ROSSETTO FILHO
 CREA: 1726/D-DF

LEVANTAMENTO CADASTRAL TOPOGRÁFICO

TOP-XXX/XX NUCLEO BANDEIRANTE RA - VIII
 LEVANTAMENTO CADASTRAL TOPOGRÁFICO

PLANTA PARCIAL	FOLHA: 11/17	ESCALA: 1:1000	DATA: DEZEMBRO/2010
PROJETO: EXTREMA	CÁLCULO: EXTREMA	REVISÃO: GERENCIA	VISTO: DIRETORIA
APROVO: _____			

PLANTA PARCIAL

COMPANHIA URBANIZADORA DA NOVA CAPITAL DO BRASIL

MERIDIANO CENTRAL 45°
 DECL. MAG. 1991
 VARIAÇÃO ANUAL 5,16'W

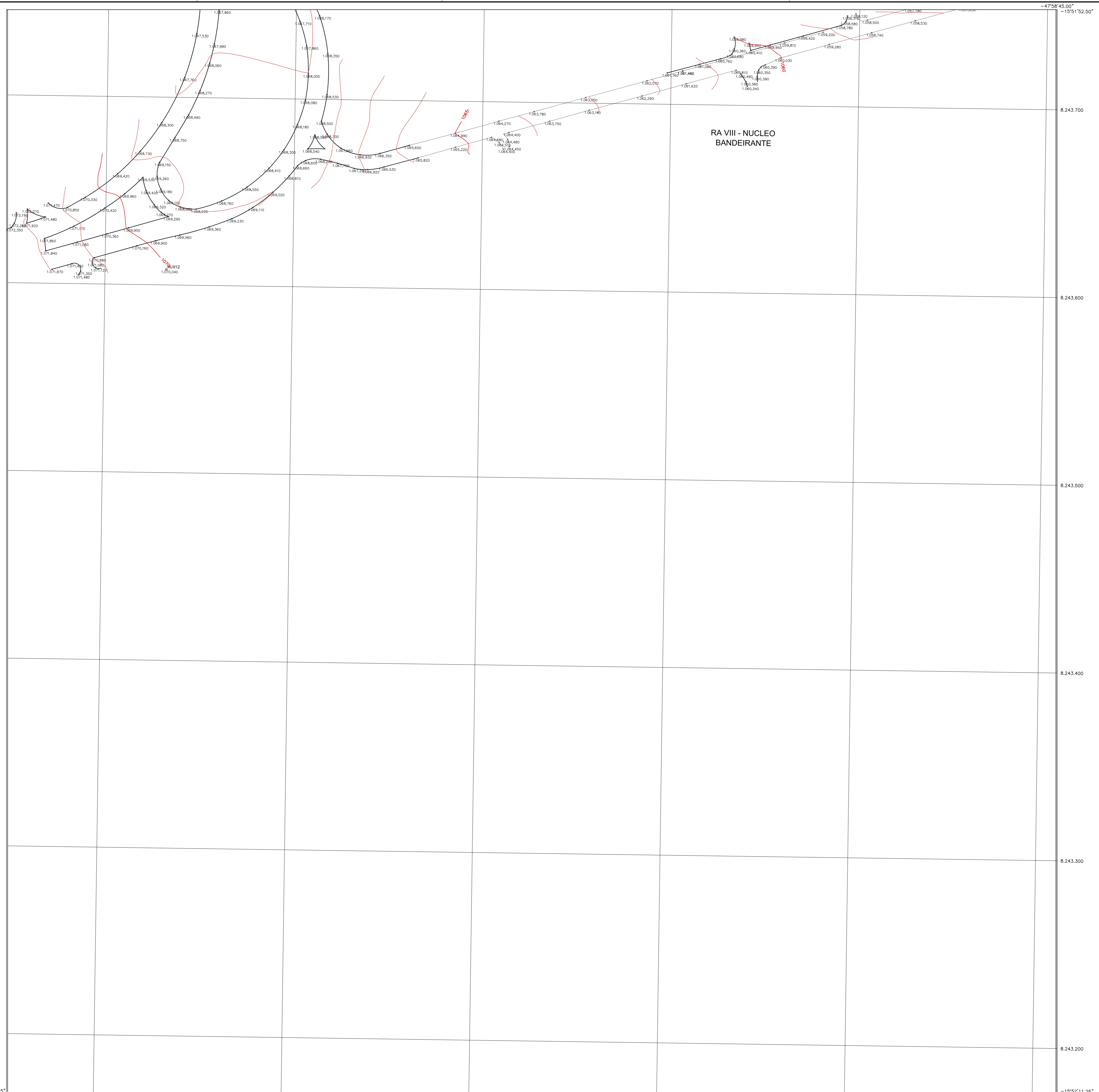
NM NG NQ

-17°54' 0°48'41.02"

ARTICULAÇÃO DAS FOLHAS

152-N-3-B	152-N-1-A	152-N-1-B
152-N-3-D	152-N-1-C	152-N-1-D
152-N-4-B	152-N-4-A	152-N-4-B

NUCLEO BANDEIRANTE - RA-VIII Kr = 1.0006837



- LEGENDA**
- ALAMBRADO
 - CERCA DE ARAME
 - GRADE
 - CERCA VIVA
 - HIDRANTE
 - REGISTRO
 - CAIXA - ESGOTO
 - FOSSE
 - POÇO DE VISITA - ESGOTO
 - POÇO DE VISITA - ÁGUA PLUVIAL
 - POÇO DE VISITA - TELEFONE
 - POÇO DE VISITA - LUZ
 - POÇO DE VISITA - NÃO IDENTIFICADO
 - BOCA DE LOBO
 - LIXEIRA
 - BANCO DE CONCRETO
 - ★ COQUEIRO
 - ÁRVORE
 - ORELHÃO
 - PLACA DE PROPAGANDA
 - PLACA INDICATIVA
 - PLACA DE SINALIZAÇÃO
 - POSTE DE CONCRETO
 - POSTE DE CONCRETO COM ILUMINAÇÃO
 - POSTE DE CONCRETO COM TRANSFORMADOR
 - POSTE DE CONCRETO COM LUMINÁRIA
 - LUMINÁRIA
 - REFLETOR
 - PADRÃO DE ENERGIA
 - SENSOR ELETRÔNICO (PARDAL)
 - SEMAFORO

Extrema Construção Ltda. R1: ADELCKE ROSSETTO FILHO CREA: 1726/D-DF

LEVANTAMENTO CADASTRAL TOPOGRÁFICO

TOP-XXX/XX NUCLEO BANDEIRANTE RA - VIII
LEVANTAMENTO CADASTRAL TOPOGRÁFICO

PLANTA PARCIAL	FOLHA: 12/17	ESCALA: 1:1000	DATA: DEZEMBRO/2010
PROJETO: EXTREMA	CÁLCULO: EXTREMA	REVISÃO: GERENCIA	VISTO: DIRETORIA
APROVO: _____			

PLANTA PARCIAL

NOVACAP
COMPANHIA URBANIZADORA DA NOVA CAPITAL DO BRASIL

MERIDIANO CENTRAL 45°
DECL. MAG. 1991
VARIÇÃO ANUAL 5,16'W

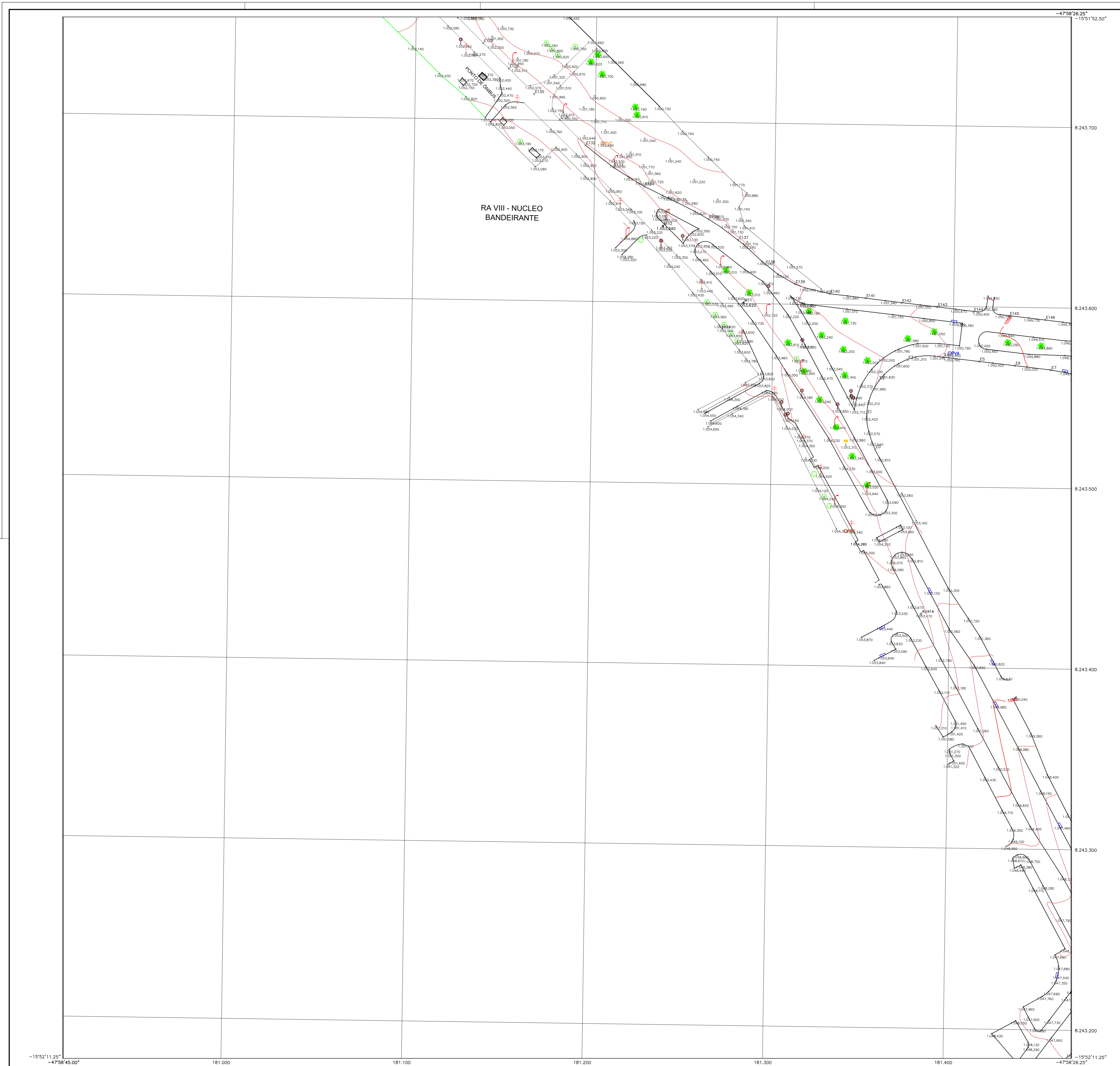
ARTICULAÇÃO DAS FOLHAS

152-III-2-C	152-III-2-D	152-III-2-E
152-III-5-A	152-III-5-B	152-III-5-A
152-III-5-C	152-III-5-D	152-III-5-E

NM NG NQ
-17°54' 0'48"57.37"

NUCLEO BANDEIRANTE - RA-VIII

Kr = 1.0006837



- LEGENDA**
- ALAMBRADO
 - CERCA DE ARAME
 - GRADE
 - CERCA VIVA
 - HIDRANTE
 - REGISTRO
 - CAIXA - ESGOTO
 - FOSSE
 - POÇO DE VISITA - ESGOTO
 - POÇO DE VISITA - ÁGUA PLUVIAL
 - POÇO DE VISITA - TELEFONE
 - CAIXA - TELEFONE
 - POÇO DE VISITA - LUZ
 - POÇO DE VISITA - NÃO IDENTIFICADO
 - BOCA DE LOBO
 - LIXEIRA
 - BANCO DE CONCRETO
 - ★ COQUEIRO
 - ÁRVORE
 - ORELHÃO
 - PLACA DE PROPAGANDA
 - PLACA INDICATIVA
 - PLACA DE SINALIZAÇÃO
 - POSTE DE CONCRETO
 - POSTE DE CONCRETO COM ILUMINAÇÃO
 - POSTE DE CONCRETO COM TRANSFORMADOR
 - POSTE DE CONCRETO COM LUMINÁRIA
 - LUMINÁRIA
 - REFLETOR
 - PADRÃO DE ENERGIA
 - SENSOR ELETRÔNICO (PARDAL)
 - SEMAFORO

Extrema Construção Ltda. RI: ADELCKE ROSSETTO FILHO CREA: 1726/D-DF

LEVANTAMENTO CADASTRAL TOPOGRÁFICO

TOP-XXX/XX NUCLEO BANDEIRANTE RA - VIII
LEVANTAMENTO CADASTRAL TOPOGRÁFICO

PLANTA PARCIAL	FOLHA: 13/17	ESCALA: 1:1000	DATA: DEZEMBRO/2010
PROJETO: EXTREMA	CÁLCULO: EXTREMA	REVISÃO: GERENCIA	VISTO: DIRETORIA
APROVO: _____			

PLANTA PARCIAL

NOVACAP
COMPANHIA URBANIZADORA DA NOVA CAPITAL DO BRASIL

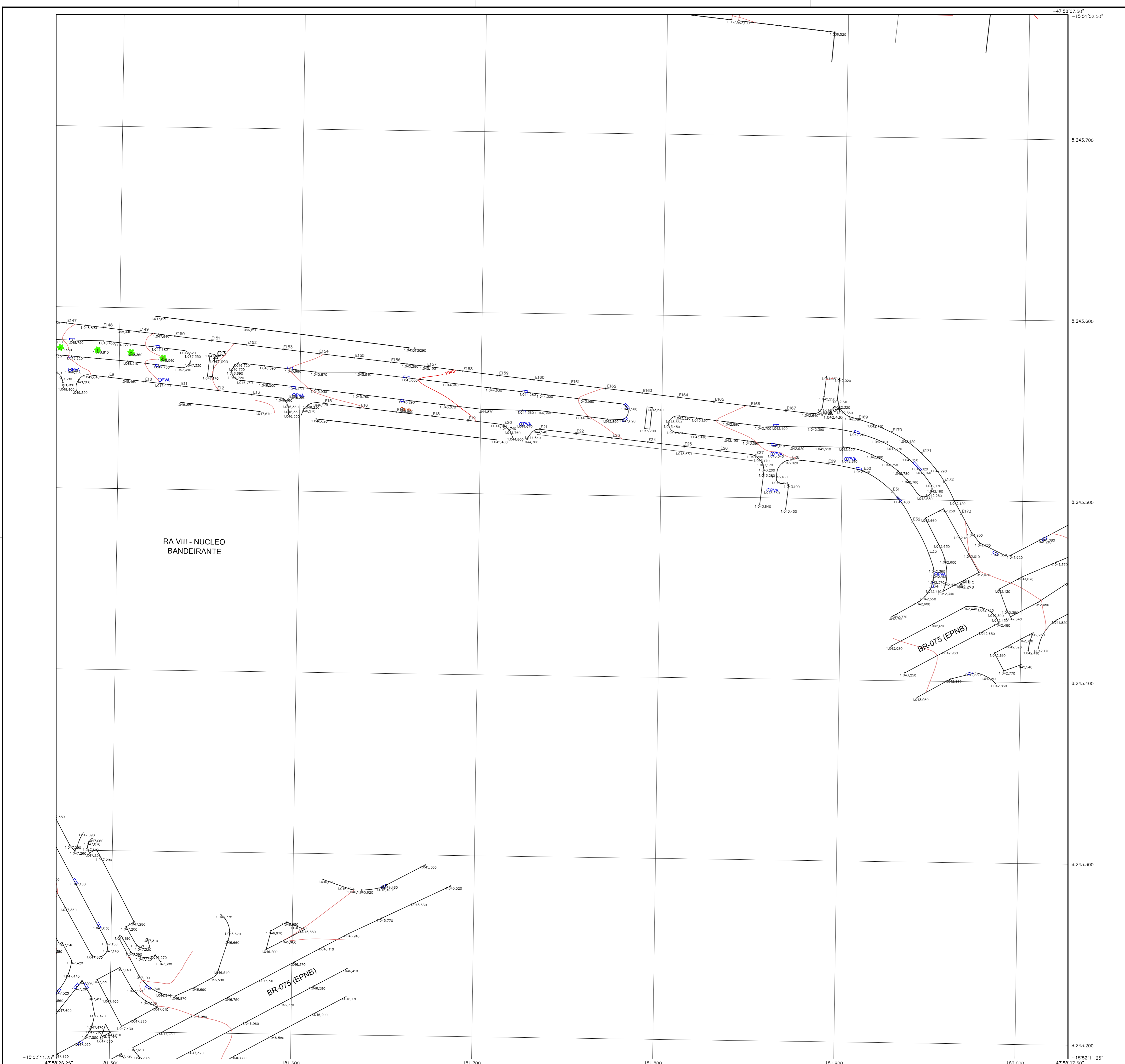
MERIDIANO CENTRAL 45°
DECL. MAG. 1991
VARIAÇÃO ANUAL 5,16'W

NUCLEO BANDEIRANTE - RA-VIII

ARTICULAÇÃO DAS FOLHAS

152-III-2-D	152-III-3-C	152-III-3-D
152-III-5-B	152-III-6-A	152-III-6-B
152-III-3-A	152-III-6-C	152-III-6-D

Kr = 1.0006837



- LEGENDA**
- ALAMBRADO
 - CERCA DE ARAME
 - GRADE
 - CERCA VIVA
 - HIDRANTE
 - REGISTRO
 - CAIXA - ESGOTO
 - FOSSA
 - POÇO DE VISITA - ESGOTO
 - POÇO DE VISITA - ÁGUA PLUVIAL
 - POÇO DE VISITA - TELEFONE
 - CAIXA - TELEFONE
 - POÇO DE VISITA - LUZ
 - POÇO DE VISITA - NÃO IDENTIFICADO
 - BOCA DE LOBO
 - ↑ LIXEIRA
 - BANCO DE CONCRETO
 - ★ COQUEIRO
 - ÁRVORE
 - ORELHÃO
 - ↑ PLACA DE PROPAGANDA
 - ↑ PLACA INDICATIVA
 - ↑ PLACA DE SINALIZAÇÃO
 - ↑ POSTE DE CONCRETO
 - ↑ POSTE DE CONCRETO COM ILUMINAÇÃO
 - ↑ POSTE DE CONCRETO COM TRANSFORMADOR
 - ↑ POSTE DE CONCRETO COM LUMINÁRIA
 - ↑ LUMINÁRIA
 - ↑ REFLETOR
 - ↑ PADRÃO DE ENERGIA
 - ↑ SENSOR ELETRÔNICO (PARDAL)
 - ↑ SEMAFORO

Extrema Construção Ltda. RI: ADELCKE ROSSETTO FILHO CREA: 1726/D-DF

LEVANTAMENTO CADASTRAL TOPOGRÁFICO

TOP-XXX/XX NUCLEO BANDEIRANTE RA - VIII
LEVANTAMENTO CADASTRAL TOPOGRÁFICO

PLANTA PARCIAL	FOLHA: 14/17	ESCALA: 1:1000	DATA: DEZEMBRO/2010
PROJETO: EXTREMA	CÁLCULO: EXTREMA	REVISÃO: GERENCIA	VISTO: DIRETORIA

APROVO: _____

PLANTA PARCIAL

NOVACAP
COMPANHIA URBANIZADORA DA NOVA CAPITAL DO BRASIL

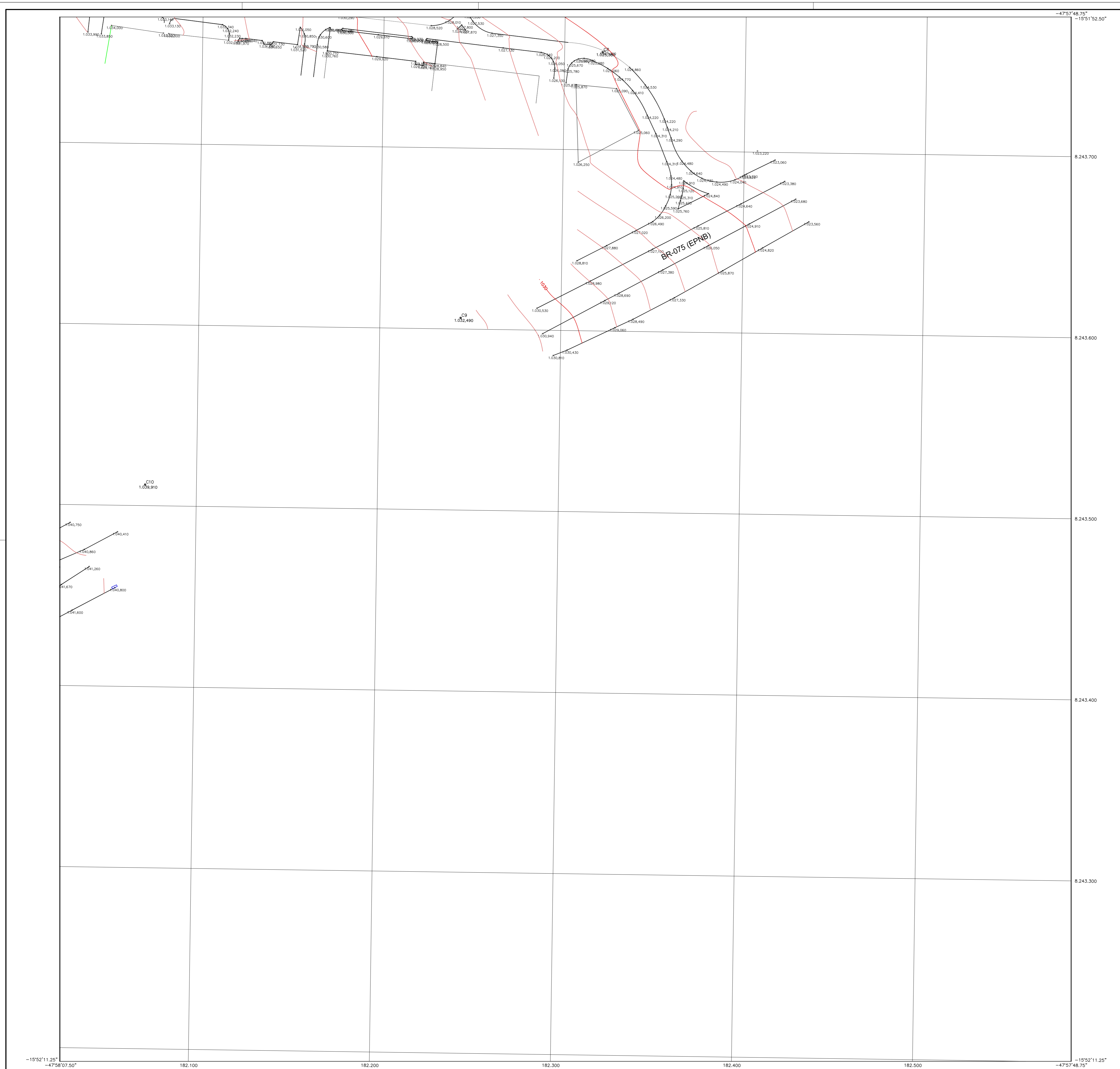
MERIDIANO CENTRAL 45°
DECL. MAG. 1991
VARIACÃO ANUAL 5,16'W

ARTICULAÇÃO DAS FOLHAS

152-III-3-C	152-III-3-D	152-III-1-C
152-III-6-A	152-III-6-B	152-III-4-A
152-III-6-C	152-III-6-D	152-III-4-C

NUCLEO BANDEIRANTE - RA-VIII

Kr = 1.0006837



- LEGENDA**
- ALAMBRADO
 - CERCA DE ARAME
 - GRADE
 - CERCA VIVA
 - HIDRANTE
 - REGISTRO
 - CAIXA - ESGOTO
 - FS FOSSA
 - POÇO DE VISITA - ESGOTO
 - PVA POÇO DE VISITA - ÁGUA PLUVIAL
 - PVT POÇO DE VISITA - TELEFONE
 - CAIXA - TELEFONE
 - PVL POÇO DE VISITA - LUZ
 - PVN POÇO DE VISITA - NÃO IDENTIFICADO
 - BOCA DE LOBO
 - ↑ LIXEIRA
 - BANCO DE CONCRETO
 - ★ COQUEIRO
 - ÁRVORE
 - ORELHÃO
 - PLACA DE PROPAGANDA
 - PLACA INDICATIVA
 - PLACA DE SINALIZAÇÃO
 - POSTE DE CONCRETO
 - POSTE DE CONCRETO COM ILUMINAÇÃO
 - POSTE DE CONCRETO COM TRANSFORMADOR
 - POSTE DE CONCRETO COM LUMINÁRIA
 - LUMINÁRIA
 - REFLETOR
 - PADRÃO DE ENERGIA
 - SENSOR ELETRÔNICO (PARDAL)
 - SEMAFORO

Extrema Construção Ltda. R1: ADELCKE ROSSETTO FILHO
 CREA: 1726/D-DF

LEVANTAMENTO CADASTRAL TOPOGRÁFICO

TOP-XXX/XX NUCLEO BANDEIRANTE RA - VIII
 LEVANTAMENTO CADASTRAL TOPOGRÁFICO

PLANTA PARCIAL	FOLHA: 15/17	ESCALA: 1:1000	DATA: DEZEMBRO/2010
PROJETO: EXTREMA	CÁLCULO: EXTREMA	REVISÃO: GERENCIA	VISTO: DIRETORIA
APROVO: _____			

PLANTA PARCIAL

NOVACAP
COMPANHIA URBANIZADORA DA NOVA CAPITAL DO BRASIL

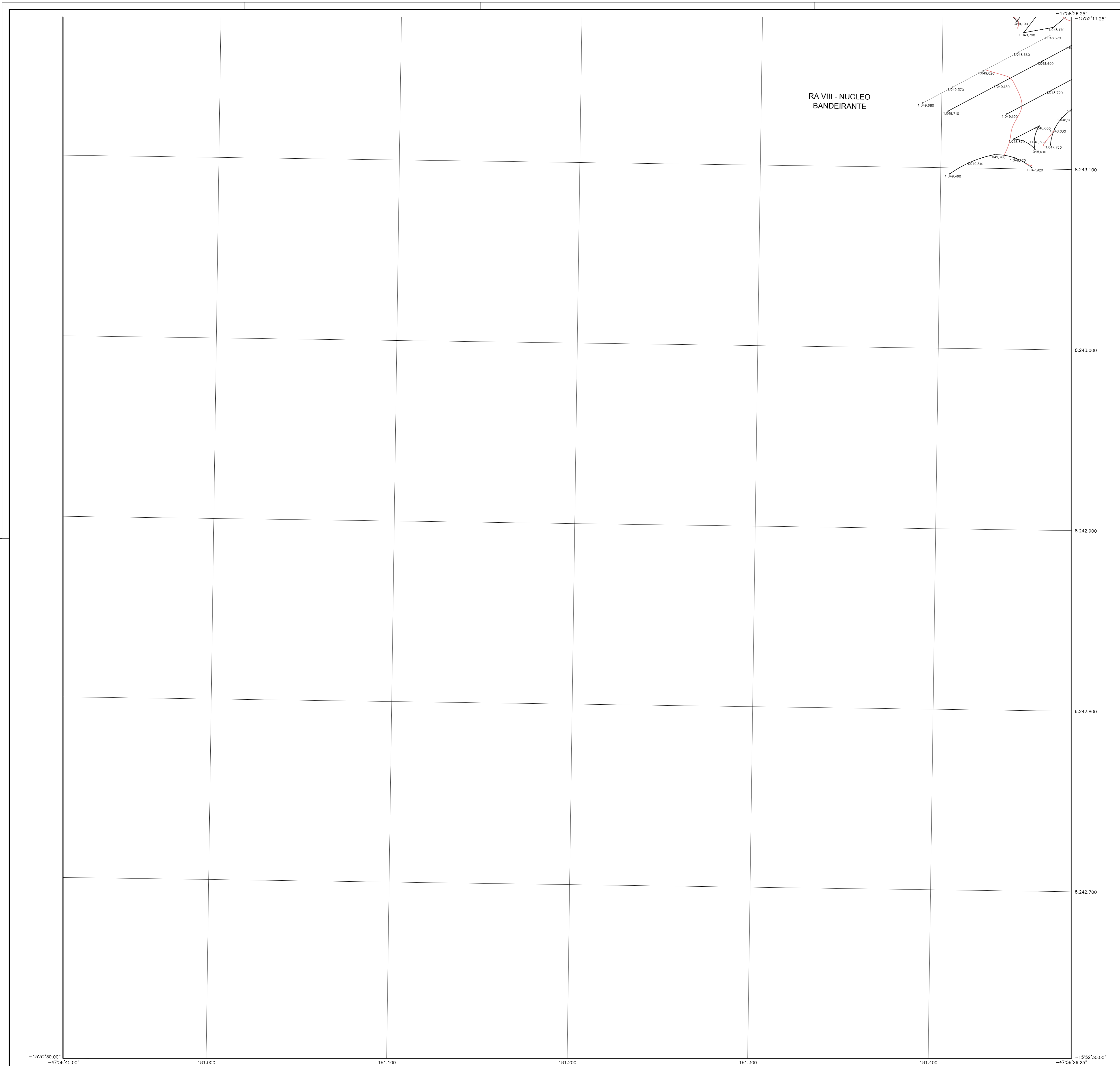
NM NG NQ

Meridiano Central: 45°
 Decl. Mag.: 1991
 Variação Anual: 5,16'W

ARTICULAÇÃO DAS FOLHAS

152-N-3-D	152-N-1-C	152-N-1-D
152-N-6-B	152-N-4-A	152-N-4-B
152-N-4-D	152-N-4-C	152-N-4-D

K_r = 1.0006837



- LEGENDA**
- ALAMBRADO
 - CERCA DE ARAME
 - GRADE
 - CERCA VIVA
 - HIDRANTE
 - REGISTRO
 - CAIXA - ESGOTO
 - FOSSE
 - POÇO DE VISITA - ESGOTO
 - POÇO DE VISITA - ÁGUA PLUVIAL
 - POÇO DE VISITA - TELEFONE
 - CAIXA - TELEFONE
 - POÇO DE VISITA - LUZ
 - POÇO DE VISITA - NÃO IDENTIFICADO
 - BOCA DE LOBO
 - ↑ LIXEIRA
 - BANCO DE CONCRETO
 - ★ COQUEIRO
 - ÁRVORE
 - ORELHÃO
 - PLACA DE PROPAGANDA
 - PLACA INDICATIVA
 - PLACA DE SINALIZAÇÃO
 - POSTE DE CONCRETO
 - POSTE DE CONCRETO COM ILUMINAÇÃO
 - POSTE DE CONCRETO COM TRANSFORMADOR
 - POSTE DE CONCRETO COM LUMINÁRIA
 - LUMINÁRIA
 - REFLETOR
 - PADRÃO DE ENERGIA
 - SENSOR ELETRÔNICO (PARDAL)
 - SEMAFORO

Extrema Construção Ltda. R1: ADELCKE ROSSETTO FILHO
 CREA: 1726/D-DF

LEVANTAMENTO CADASTRAL TOPOGRÁFICO

TOP-XXX/XX NUCLEO BANDEIRANTE RA - VIII
 LEVANTAMENTO CADASTRAL TOPOGRÁFICO

PLANTA PARCIAL	FOLHA: 16/17	ESCALA: 1:1000	DATA: DEZEMBRO/2010
PROJETO: EXTREMA	CÁLCULO: EXTREMA	REVISÃO: GERENCIA	VISTO: DIRETORIA
APROVO:			

PLANTA PARCIAL

MERIDIANO CENTRAL 45°
 DECL. MAG. 1991
 VARIAÇÃO ANUAL 5,16'W

ARTICULAÇÃO DAS FOLHAS

152-III-5-B	152-III-6-A	152-III-6-B
152-III-5-D	152-III-6-C	152-III-6-D
168-I-2-B	168-I-3-A	168-I-3-B

NM NG NQ

—17°54' 0°48'53.17"

NUCLEO BANDEIRANTE - RA-VIII Kr = 1.0006837

RA VIII - NUCLEO BANDEIRANTE

LEGENDA

- ALAMBRADO
- CERCA DE ARAME
- GRADE
- CERCA VIVA
- HIDRANTE
- REGISTRO
- CAIXA - ESGOTO
- FOSSE
- POÇO DE VISITA - ESGOTO
- POÇO DE VISITA - AGUA PLUVIAL
- POÇO DE VISITA - TELEFONE
- CAIXA - TELEFONE
- POÇO DE VISITA - LUZ
- POÇO DE VISITA - NÃO IDENTIFICADO
- BOCA DE LOBO
- ↑ LIXEIRA
- BANCO DE CONCRETO
- ★ COQUEIRO
- ÁRVORE
- ORELHÃO
- PLACA DE PROPAGANDA
- PLACA INDICATIVA
- PLACA DE SINALIZAÇÃO
- POSTE DE CONCRETO
- POSTE DE CONCRETO COM ILUMINAÇÃO
- POSTE DE CONCRETO COM TRANSFORMADOR
- POSTE DE CONCRETO COM LUMINÁRIA
- LUMINÁRIA
- REFLETOR
- PADRÃO DE ENERGIA
- SENSOR ELETRÔNICO (PARDAL)
- SEMAFORO

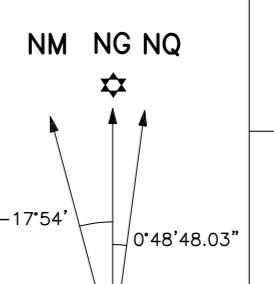
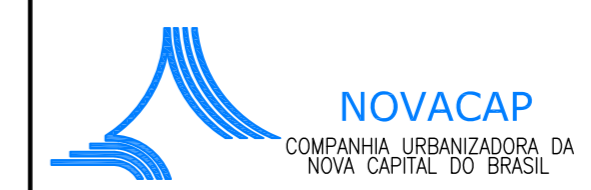
Extrema Construção Ltda. R1: ADELCKE ROSSETTO FILHO
 CREA: 1726/D-DF

LEVANTAMENTO CADASTRAL TOPOGRÁFICO

TOP-XXX/XX NUCLEO BANDEIRANTE RA - VIII
 LEVANTAMENTO CADASTRAL TOPOGRÁFICO

PLANTA PARCIAL	FOLHA: 17/17	ESCALA: 1:1000	DATA: DEZEMBRO/2010
PROJETO: EXTREMA	CÁLCULO: EXTREMA	REVISÃO: GERENCIA	VISTO: DIRETORIA
APROVO:			

PLANTA PARCIAL



MERIDIANO CENTRAL 45°
 DECL. MAG. 1991
 VARIAÇÃO ANUAL 5,16'W



NUCLEO BANDEIRANTE - RA-VIII Kr = 1.0006837

-15°52'30.00" -47°56'26.25" 181.500 181.600 181.700 181.800 181.900 182.000 -15°52'30.00" -47°56'07.50"

-47°56'07.50" -15°52'11.25"

8.243.100

8.243.000

8.242.900

8.242.800

8.242.700