

## MEMÓRIA DE CÁLCULO DO PONTO TOPOGRÁFICO:

**BASE\_DIA1**

**Ajustamento**Adjustment type: **Plano + Altura, Constraint**Confidence level: **95 %**Number of adjusted points: **3**Number of plane control points: **2**Number of plane weighted points: **2**Number of used GPS vectors: **2**A posteriori plane or 3D UWE: **0,4156192** , Bounds: ( **0,1590597** , **1,920937** )Number of height control points: **2**A posteriori height UWE: **1,581084** , Bounds: ( **3,130495E-02** , **2,240536** )**Observações GPS**

Nome	dN (m)	dE (m)	dZ (m)	Horz RMS (m)	Vert RMS (m)
BASE_DIA1-ONRJ	-46189,758	-5837,552	-758,855	0,015	0,028
BASE_DIA1-RJVA	8912,990	-49201,549	-349,448	0,016	0,030

**Ocupações GPS**

Nome Ponto	Nome Original
BASE_DIA1	log0528a
RJVA	RJVA
ONRJ	ONRJ

**Point Summary**

Nome	Malha Norte (m)	Malha Este (m)	Elevação (m)	Código
BASE_DIA1	7513117,575	687970,744	794,461	
ONRJ	7466927,821	682133,191	35,636	
RJVA	7522030,561	638769,195	444,977	

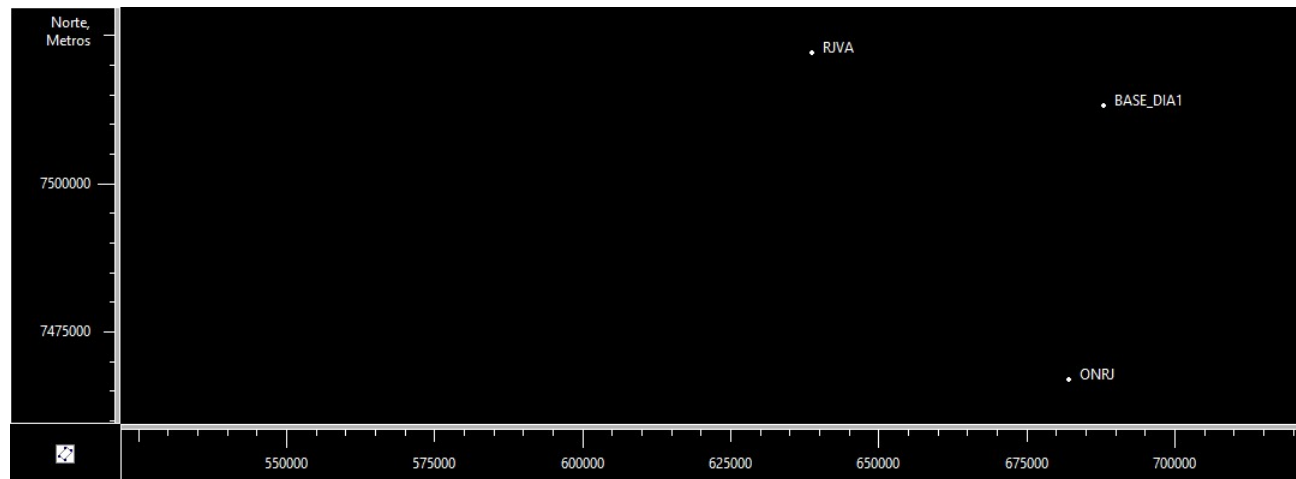
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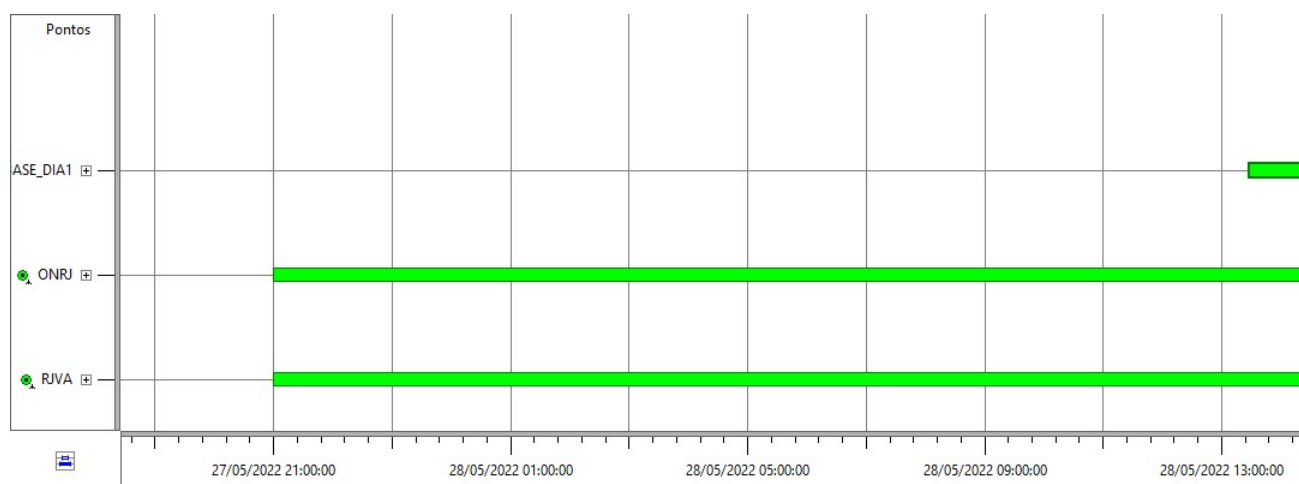
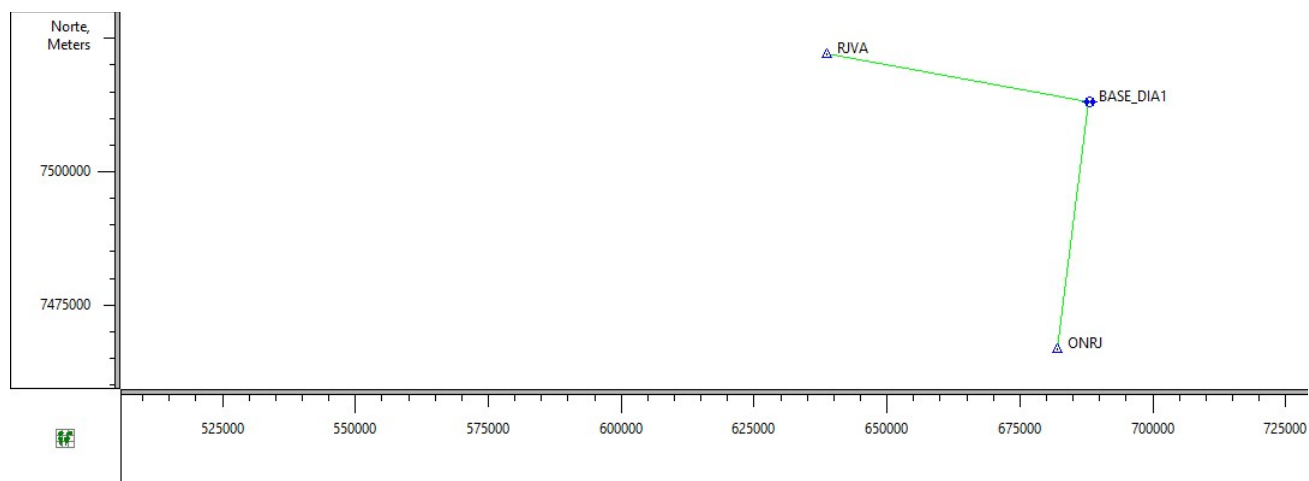
Created by:

Comment:

Linear unit: **Meters**Angular unit: **DMS**Projection: **UTMSouth-Zone\_23 : 48W to 42W**Datum: **WGS84**

Geoid:

Time Zone: **E. South America Standard Time**



## **MEMÓRIA DE CÁLCULO DOS PONTOS TOPOGRÁFICOS:**

**G11-G12**

**Ajustamento**Adjustment type: **Plano + Altura, Minimal constraint**Confidence level: **95 %**Number of adjusted points: **3**Number of plane control points: **1**Number of plane weighted points: **1**Number of used GPS vectors: **2**A posteriori plane or 3D UWE: **1**, Bounds: ( **1** , **1** )Number of height control points: **1**A posteriori height UWE: **1**, Bounds: ( **1** , **1** )**Observações GPS**

Nome	dN (m)	dE (m)	dZ (m)	Horz RMS (m)	Vert RMS (m)
BASE_DIA1-G11	-1212,008	1931,413	-79,193	0,003	0,005
BASE_DIA1-G12	-1264,018	1968,626	-76,736	0,009	0,016

**Ocupações GPS**

Nome Ponto	Nome Original
BASE_DIA1	log0528a
G12	3245622
G11	3245622

**Point Summary**

Nome	Malha Norte (m)	Malha Este (m)	Elevação (m)	Código
BASE_DIA1	7513117,575	687970,744	794,461	
G11	7511905,567	689902,157	715,268	
G12	7511853,557	689939,370	717,725	

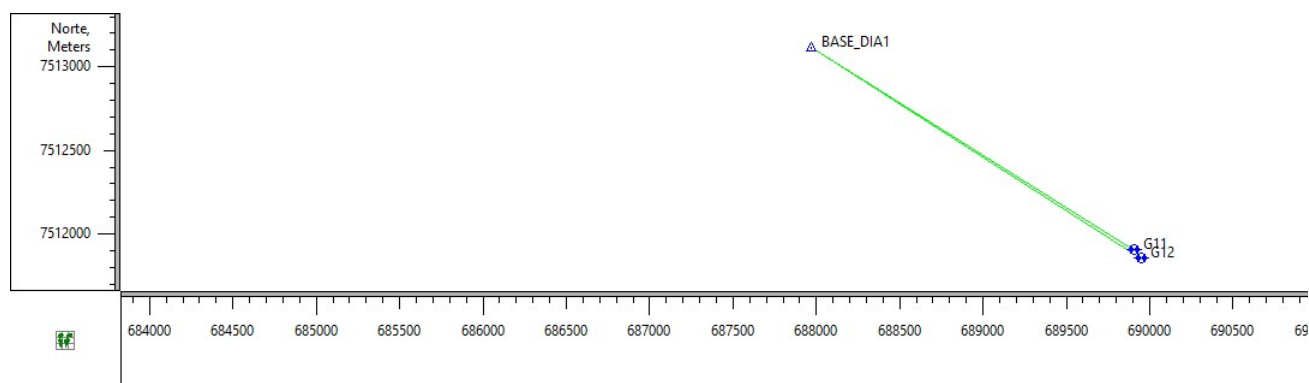
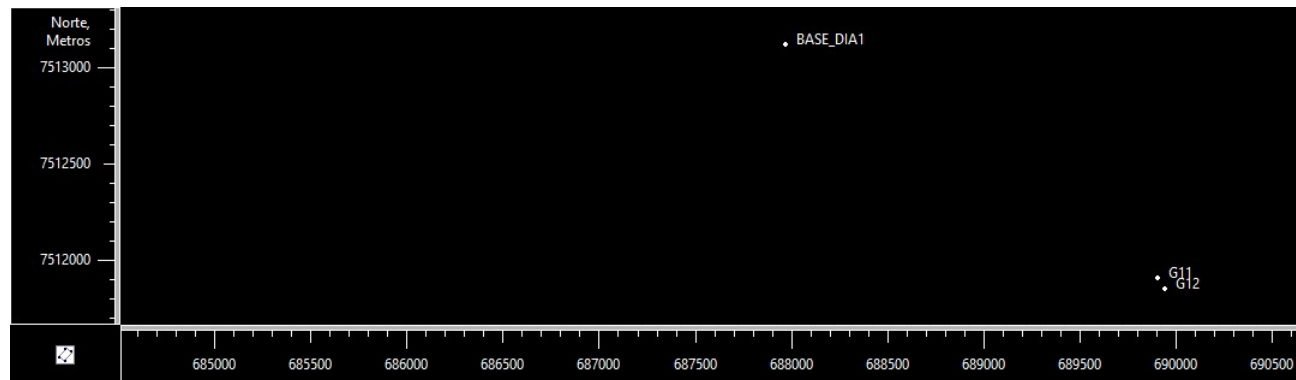
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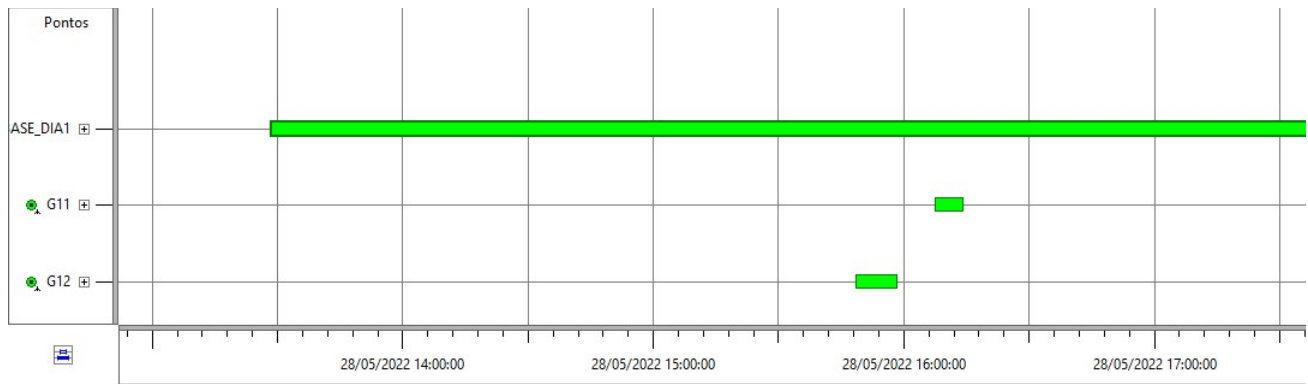
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Comment:

Linear unit: **Meters**Angular unit: **DMS**Projection: **UTMSouth-Zone\_23 : 48W to 42W**Datum: **WGS84**

Geoid:

Time Zone: **E. South America Standard Time**



## MEMÓRIA DE CÁLCULO DOS PONTOS TOPOGRÁFICOS:

**ONRJ19-G13**

**Ajustamento**Adjustment type: **Plano + Altura, Minimal constraint**Confidence level: **95 %**Number of adjusted points: **2**Number of plane control points: **1**Number of plane weighted points: **1**Number of used GPS vectors: **1**A posteriori plane or 3D UWE: **1**, Bounds: ( **1**, **1** )Number of height control points: **1**A posteriori height UWE: **1**, Bounds: ( **1**, **1** )**Observações GPS**

Nome	dN (m)	dE (m)	dZ (m)	Horz RMS (m)	Vert RMS (m)
G13-ONRJ19	-42553,669	-6033,975	-772,484	0,011	0,027

**Ocupações GPS**

Nome Ponto	Nome Original
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ONRJ19	ONRJ
G13	03313622

**Point Summary**

Nome	Malha Norte (m)	Malha Este (m)	Elevação (m)	Código
G13	7509481,490	688167,166	808,112	
ONRJ19	7466927,821	682133,191	35,628	

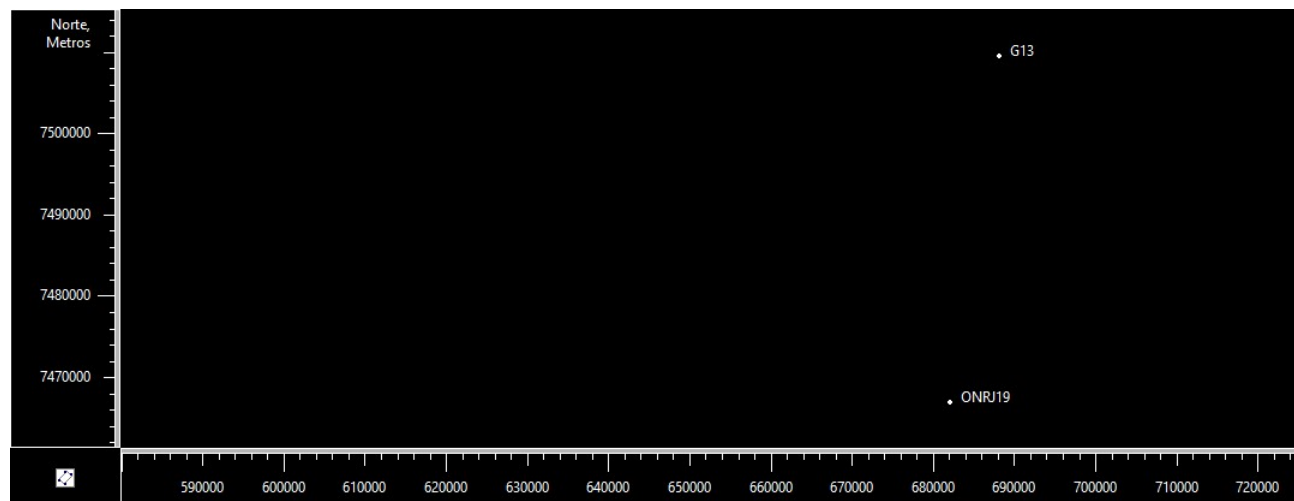
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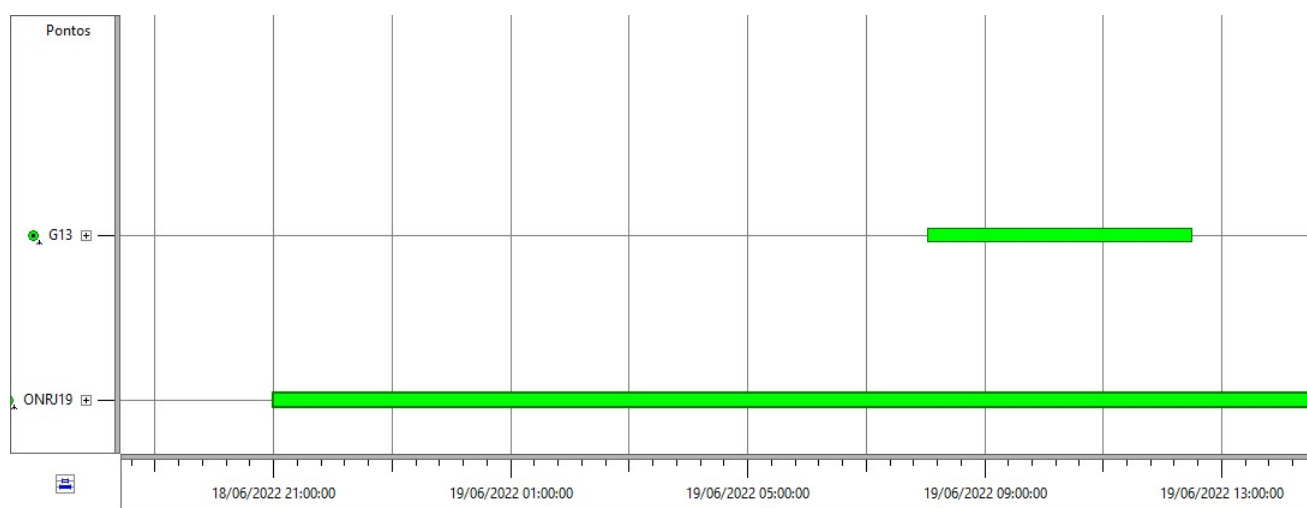
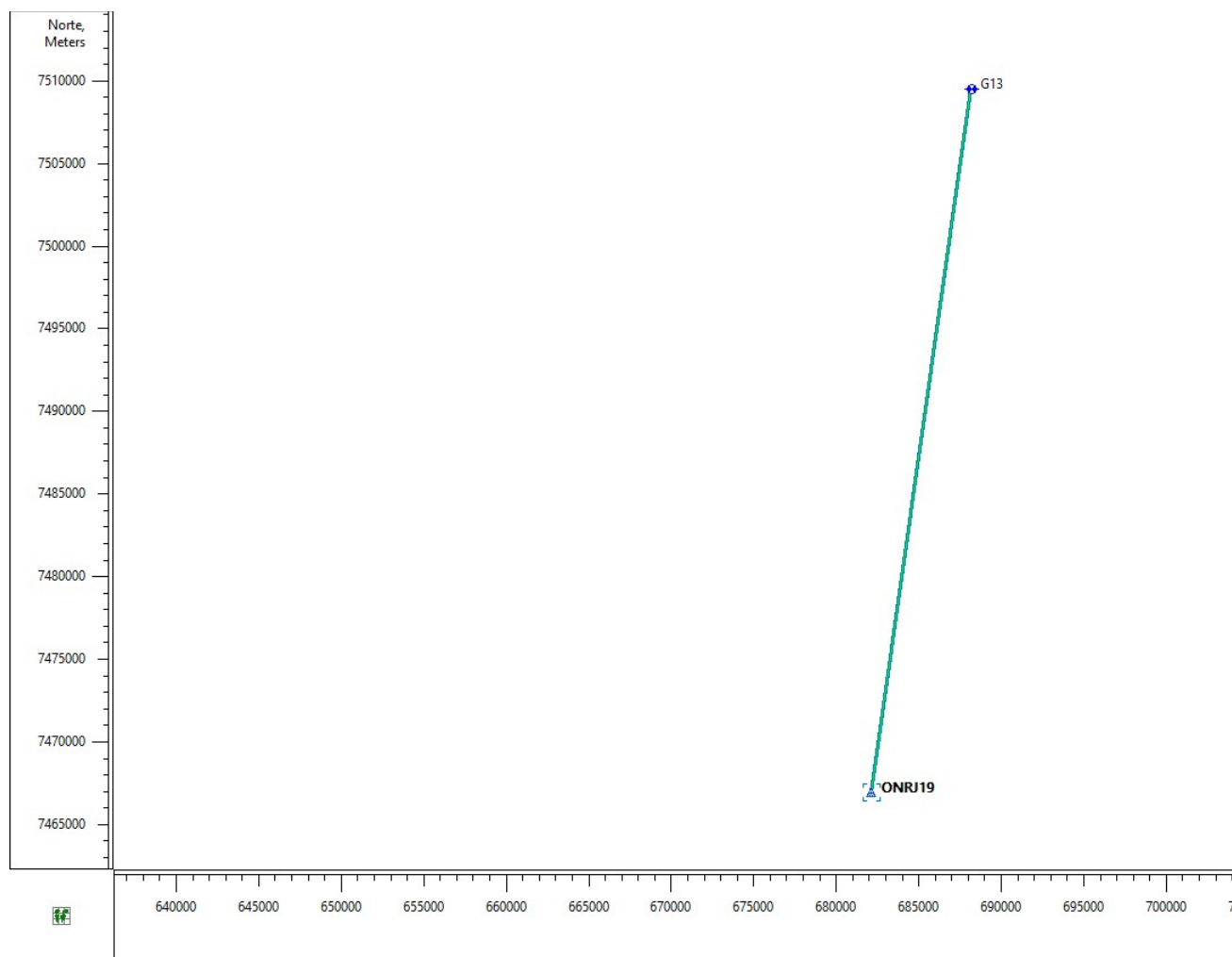
Comment:

Linear unit: **Meters**Angular unit: **DMS**Projection: **UTMSouth-Zone\_23 : 48W to 42W**Datum: **WGS84**

Geoid:

Time Zone: **E. South America Standard Time**





## MEMÓRIA DE CÁLCULO DOS PONTOS TOPOGRÁFICOS:

**G16-G15-G123-G125-G14-G13-G4-G132-G9-G10-G21-  
G120(EX13)**

**Ajustamento**Adjustment type: **Plano + Altura, Minimal constraint**Confidence level: **95 %**Number of adjusted points: **13**Number of plane control points: **1**Number of plane weighted points: **1**Number of used GPS vectors: **12**A posteriori plane or 3D UWE: **1**, Bounds: ( **1**, **1** )Number of height control points: **1**A posteriori height UWE: **1**, Bounds: ( **1**, **1** )

Observações GPS					
Nome	dN (m)	dE (m)	dZ (m)	Horz RMS (m)	Vert RMS (m)
G4-base_29_1	2814,963	-568,564	-29,216	0,002	0,004
G9-base_29_1	1667,767	-1470,819	56,174	0,003	0,009
G10-base_29_1	1588,542	-1535,482	62,394	0,002	0,004
G13-base_29_1	3636,337	-196,491	-13,572	0,004	0,007
G14-base_29_1	3680,016	-146,854	-13,321	0,003	0,007
G15-base_29_1	3526,680	268,342	-10,387	0,002	0,003
G16-base_29_1	3544,175	301,163	-10,324	0,003	0,004
G21-base_29_1	4269,048	1192,690	-21,862	0,005	0,008
G120-base_29_1	4030,832	947,511	-18,210	0,005	0,006
G123-base_29_1	3515,131	265,433	-10,183	0,002	0,003
G125-base_29_1	3761,179	-120,294	-13,913	0,002	0,006
G132-base_29_1	1822,940	-1429,318	36,335	0,007	0,015

**Ocupações GPS**

Nome Ponto	Nome Original
base_29_1	log0529a
G16	log0529a
G15	log0529b
G123	log0529c
G125	log0529d
G14	log0529e
G13	log0529f
G4	log0529g
G132	log0529h
G9	log0529i
G10	log0529j
G21	log0529k
G120	log0529l

**Point Summary**

Nome	Malha Norte (m)	Malha Este (m)	Elevação (m)	Código
G4	7510302,612	688539,308	823,677	
G9	7511449,808	689441,563	738,287	
G10	7511529,033	689506,226	732,067	
G13	7509481,238	688167,235	808,033	
G14	7509437,559	688117,598	807,782	
G15	7509590,895	687702,402	804,848	
G16	7509573,400	687669,581	804,785	
G21	7508848,527	686778,054	816,323	
G120	7509086,743	687023,233	812,671	
G123	7509602,444	687705,311	804,644	
G125	7509356,396	688091,038	808,374	
G132	7511294,635	689400,062	758,126	
base_29_1	7513117,575	687970,744	794,461	

**Project**Project name: **DIA\_2\_ROVERJAVAD\_B.ttp**Project folder: **C:\Users\pmar\Documents\Topcon Tools Jobs**

Creation time: 15/01/2022 10:33:00

Created by:

Comment:

Linear unit: **Meters**

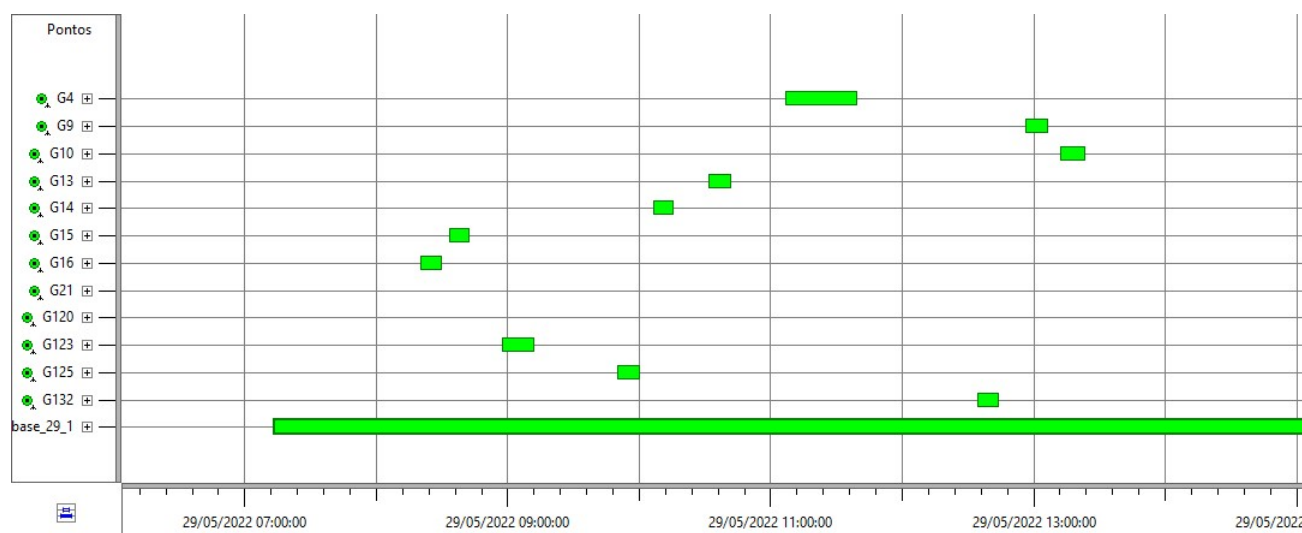
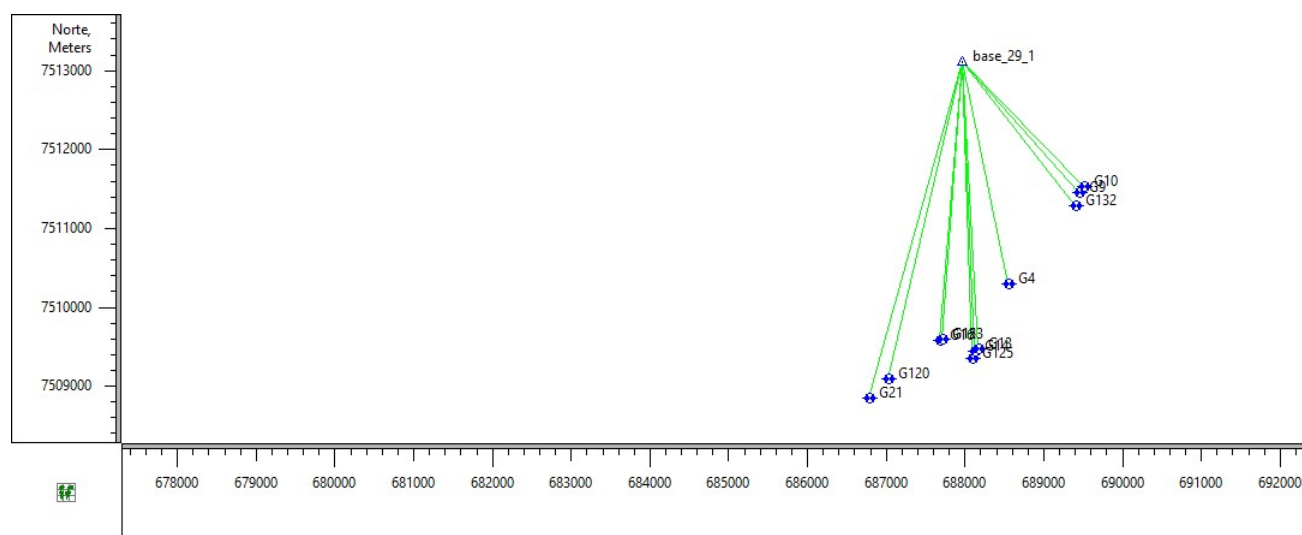
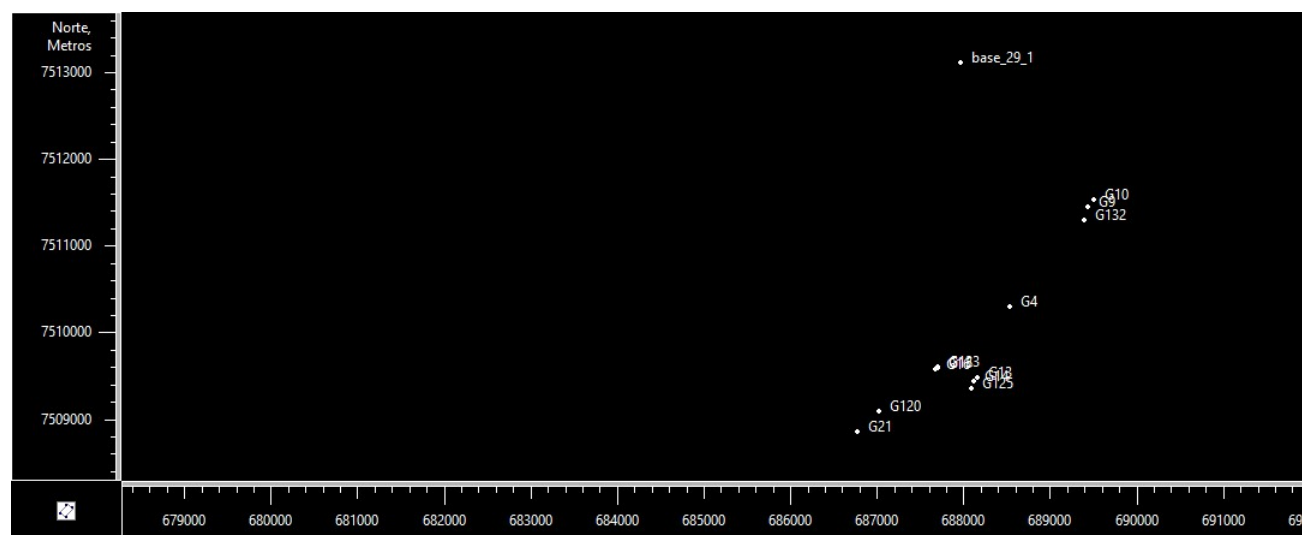
Angular unit: **DMS**

Projection: **UTMSouth-Zone\_23 : 48W to 42W**

Datum: **WGS84**

Geoid:

Time Zone: **E. South America Standard Time**



## MEMÓRIA DE CÁLCULO DOS PONTOS TOPOGRÁFICOS:

**G103-G112-G105-G142-G104**

**Ajustamento**Adjustment type: **Plano + Altura, Minimal constraint**Confidence level: **95 %**Number of adjusted points: **6**Number of plane control points: **1**Number of plane weighted points: **1**Number of used GPS vectors: **5**A posteriori plane or 3D UWE: **1** , Bounds: ( **1** , **1** )Number of height control points: **1**A posteriori height UWE: **1** , Bounds: ( **1** , **1** )**Observações GPS**

Nome	dN (m)	dE (m)	dZ (m)	Horz RMS (m)	Vert RMS (m)
BASE_DIA1-G103	353,301	1042,592	-13,895	0,002	0,005
BASE_DIA1-G104	289,987	781,489	-8,092	0,002	0,004
BASE_DIA1-G105	113,932	62,106	0,001	0,001	0,002
BASE_DIA1-G112	-1718,162	-714,025	6,340	0,002	0,003
BASE_DIA1-G142	176,019	317,281	-1,131	0,002	0,003

**Ocupações GPS**

Nome Ponto	Nome Original
BASE_DIA1	log0528a
G103	log0528e
G112	log0528f
G105	log0528b
G142	log0528c
G104	log0528d

**Point Summary**

Nome	Malha Norte (m)	Malha Este (m)	Elevação (m)	Código
BASE_DIA1	7513117,575	687970,744	794,461	
G103	7513470,876	689013,336	780,566	
G104	7513407,562	688752,233	786,369	
G105	7513231,507	688032,850	794,462	
G112	7511399,413	687256,719	800,801	
G142	7513293,594	688288,025	793,330	

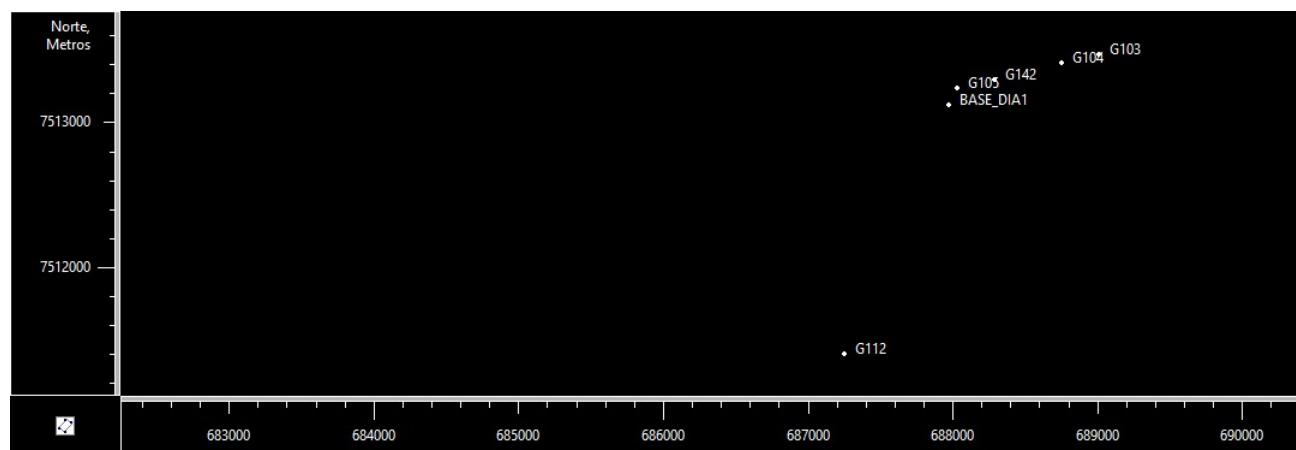
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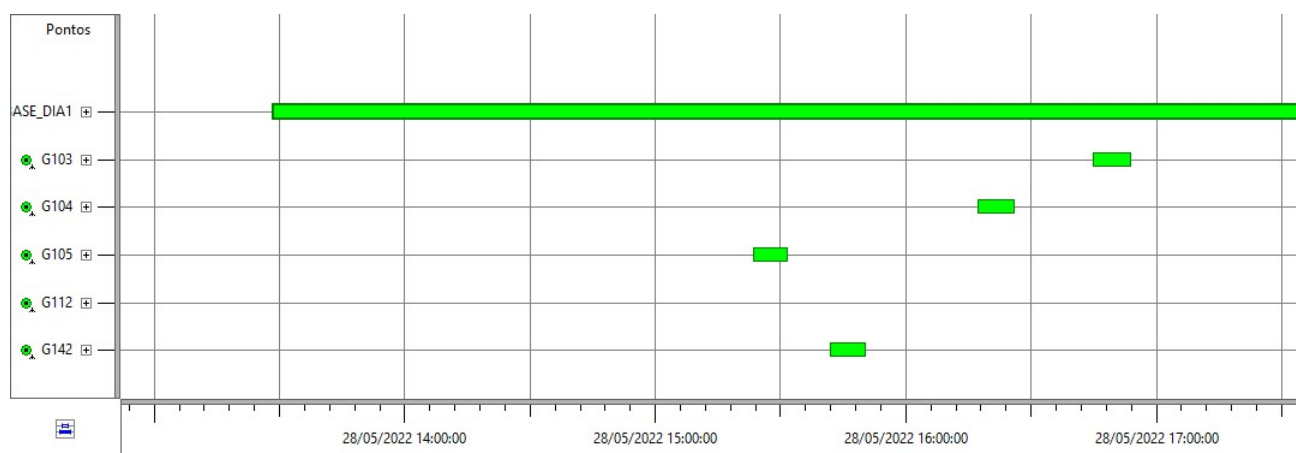
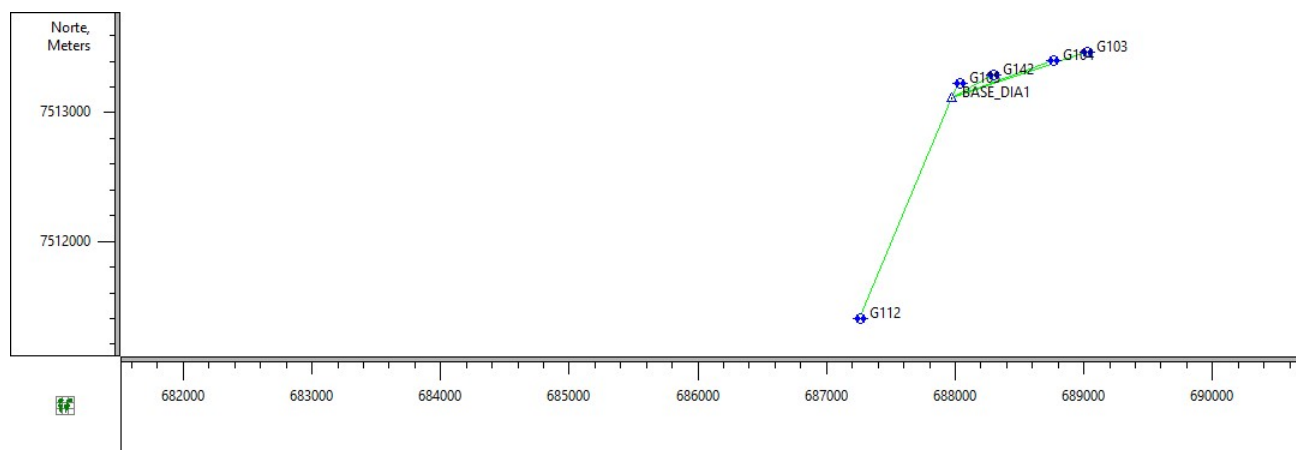
Created by:

Comment:

Linear unit: **Meters**Angular unit: **DMS**Projection: **UTMSouth-Zone\_23 : 48W to 42W**Datum: **WGS84**

Geoid:

Time Zone: **E. South America Standard Time**



## **MEMÓRIA DE CÁLCULO DOS PONTOS TOPOGRÁFICOS:**

**G111-G106-G108-G107-G110-G20-G109-G133-G19**



**Ajustamento**Adjustment type: **Plano + Altura, Minimal constraint**Confidence level: **95 %**Number of adjusted points: **10**Number of plane control points: **1**Number of plane weighted points: **1**Number of used GPS vectors: **9**A posteriori plane or 3D UWE: **1** , Bounds: ( **1** , **1** )Number of height control points: **1**A posteriori height UWE: **1** , Bounds: ( **1** , **1** )

Nome	Observações GPS				
	dN (m)	dE (m)	dZ (m)	Horz RMS (m)	Vert RMS (m)
BASE_DIA1-G19	-1722,788	-701,351	6,500	0,006	0,009
BASE_DIA1-G20	-1771,896	-691,589	5,573	0,008	0,019
BASE_DIA1-G106	-102,904	12,994	-0,872	<b>0,380</b>	<b>0,594</b>
BASE_DIA1-G107	-358,756	-50,147	-0,190	0,004	0,008
BASE_DIA1-G108	-386,997	-116,334	3,428	0,007	0,013
BASE_DIA1-G109	-605,892	-145,340	0,522	<b>0,025</b>	0,040
BASE_DIA1-G110	-1035,780	-463,524	2,555	0,002	0,006
BASE_DIA1-G111	-1238,141	-433,649	3,788	0,007	0,033
BASE_DIA1-G133	-2128,693	1112,441	-16,533	0,009	0,013

**Ocupações GPS**

Nome Ponto	Nome Original
BASE_DIA1	log0528a
G111	3245622
G106	3245622
G108	3245622
G107	3245622
G110	3245622
G20	3245622
G109	3245622
G133	3245622
G19	3245622

**Point Summary**

Nome	Malha Norte (m)	Malha Este (m)	Elevação (m)	Código
BASE_DIA1	7513117,575	687970,744	794,461	
G19	7511394,787	687269,393	800,961	
G20	7511345,679	687279,155	800,034	
G106	7513014,671	687983,738	793,589	
G107	7512758,819	687920,597	794,271	
G108	7512730,578	687854,410	797,889	
G109	7512511,683	687825,404	794,983	
G110	7512081,795	687507,220	797,016	
G111	7511879,434	687537,095	798,249	
G133	7510988,882	689083,185	777,928	

**Project**Project name: **DIA\_1\_ROVERCHCBASE\_B.ttp**Project folder: **C:\Users\pmar\Documents\Topcon Tools Jobs**Creation time: **15/01/2022 10:33:00**

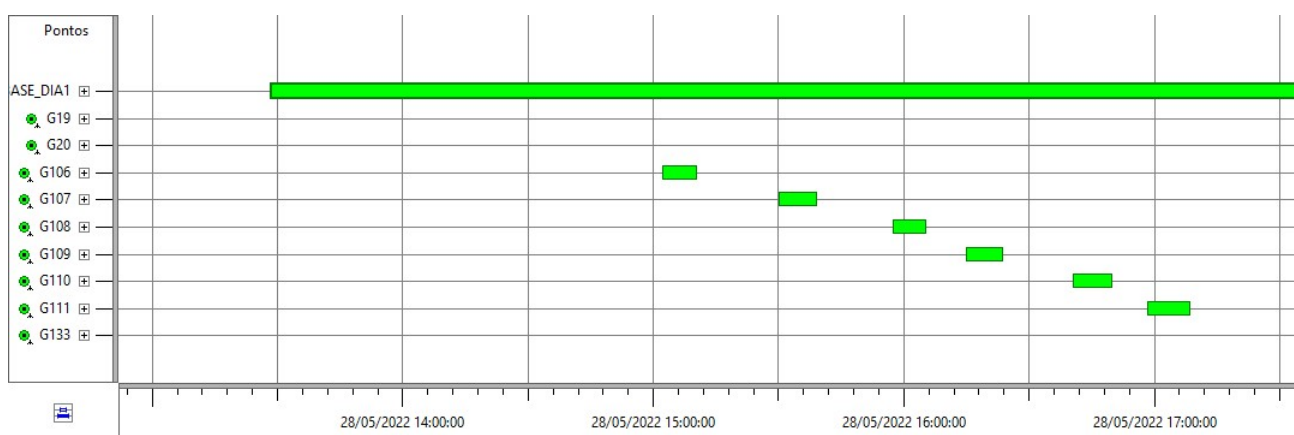
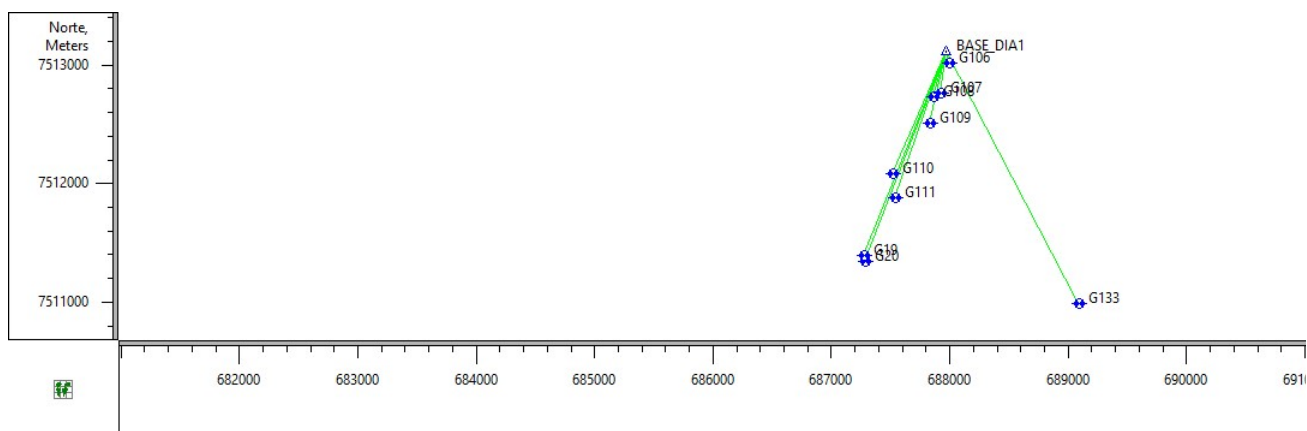
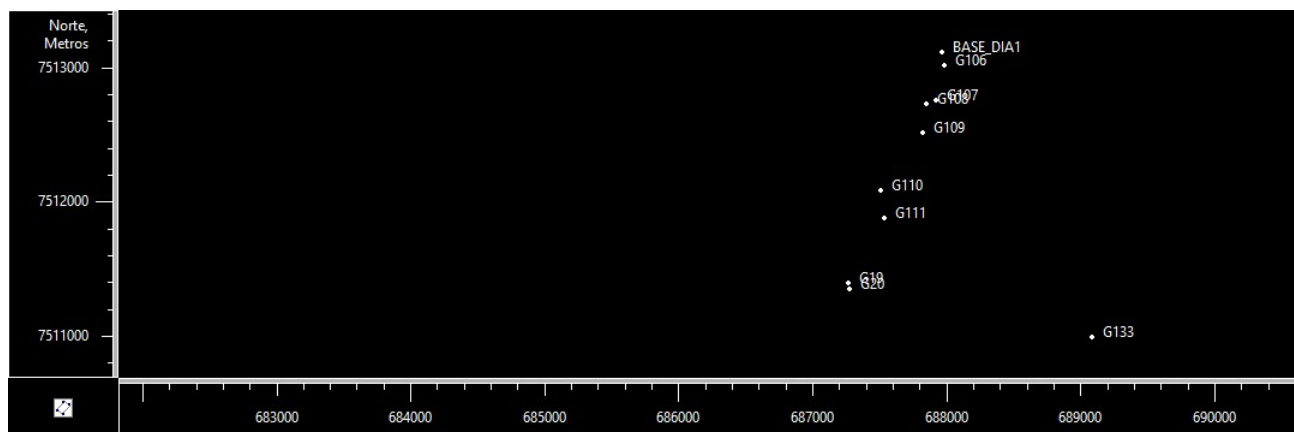
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Comment:

Linear unit: **Meters**Angular unit: **DMS**Projection: **UTMSouth-Zone\_23 : 48W to 42W**Datum: **WGS84**

Geoid:

Time Zone: **E. South America Standard Time**



## **MEMÓRIA DE CÁLCULO DOS PONTOS TOPOGRÁFICOS:**

**G116-G129-G8-G3-G119**

**Ajustamento**Adjustment type: **Plano + Altura, Minimal constraint**Confidence level: **95 %**Number of adjusted points: **6**Number of plane control points: **1**Number of plane weighted points: **1**Number of used GPS vectors: **5**A posteriori plane or 3D UWE: **1**, Bounds: ( **1**, **1** )Number of height control points: **1**A posteriori height UWE: **1**, Bounds: ( **1**, **1** )

Nome	Observações GPS			Horz RMS (m)	Vert RMS (m)
	dN (m)	dE (m)	dZ (m)		
G3-base_29_1	2935,919	-521,035	-20,771	0,005	0,011
G8-base_29_1	2700,365	-704,277	-48,863	<b>0,021</b>	<b>0,071</b>
G116-base_29_1	3234,483	1293,788	-8,925	<b>0,197</b>	<b>0,458</b>
G119-base_29_1	3411,647	1103,066	-9,337	0,011	0,023
G129-base_29_1	2484,558	-967,751	-23,290	0,004	0,011

**Ocupações GPS**

Nome Ponto	Nome Original
base_29_1	log0529a
G3	3245622
G129	3245622
G8	3245622
G119	3245622
G116	3245622

**Point Summary**

Nome	Malha Norte (m)	Malha Este (m)	Elevação (m)	Código
G3	7510181,656	688491,779	815,232	
G8	7510417,210	688675,021	843,324	
G116	7509883,092	686676,956	803,386	
G119	7509705,928	686867,678	803,798	
G129	7510633,017	688938,495	817,751	
base_29_1	7513117,575	687970,744	794,461	

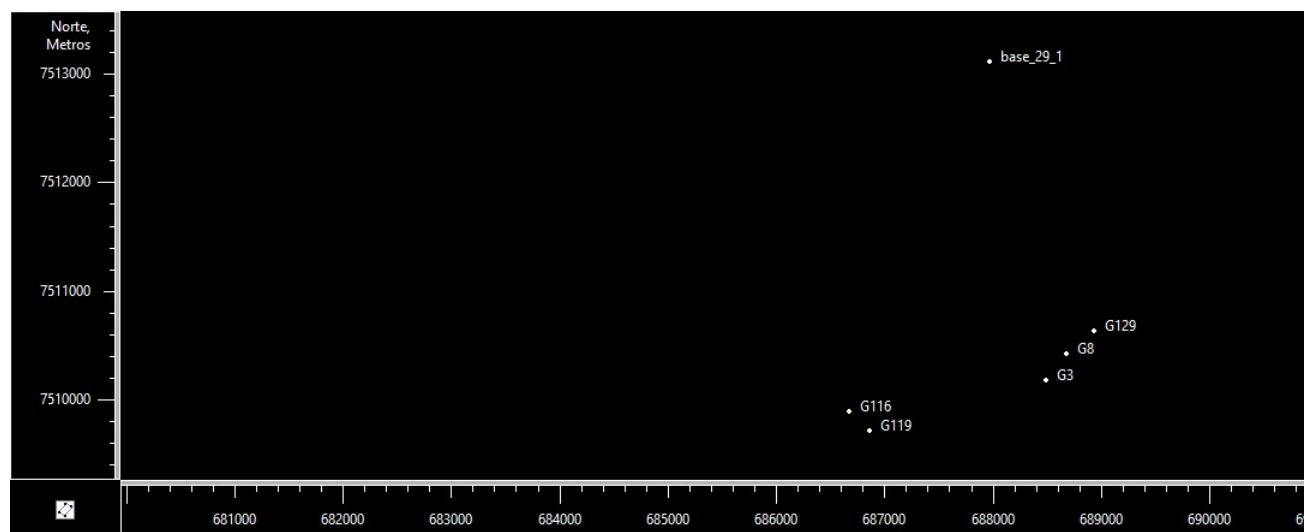
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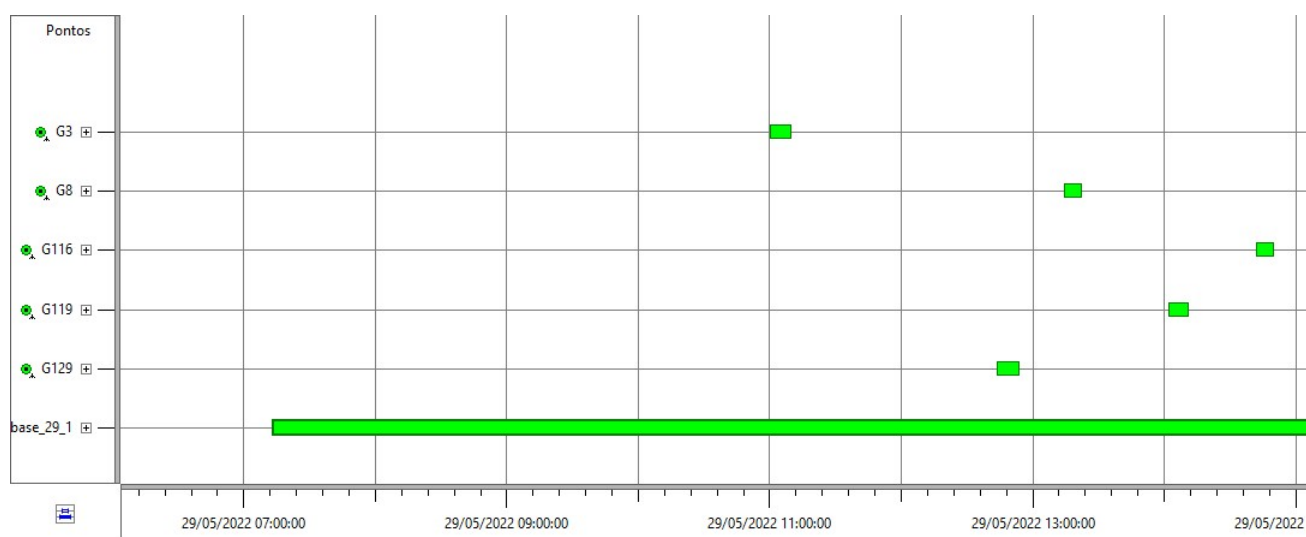
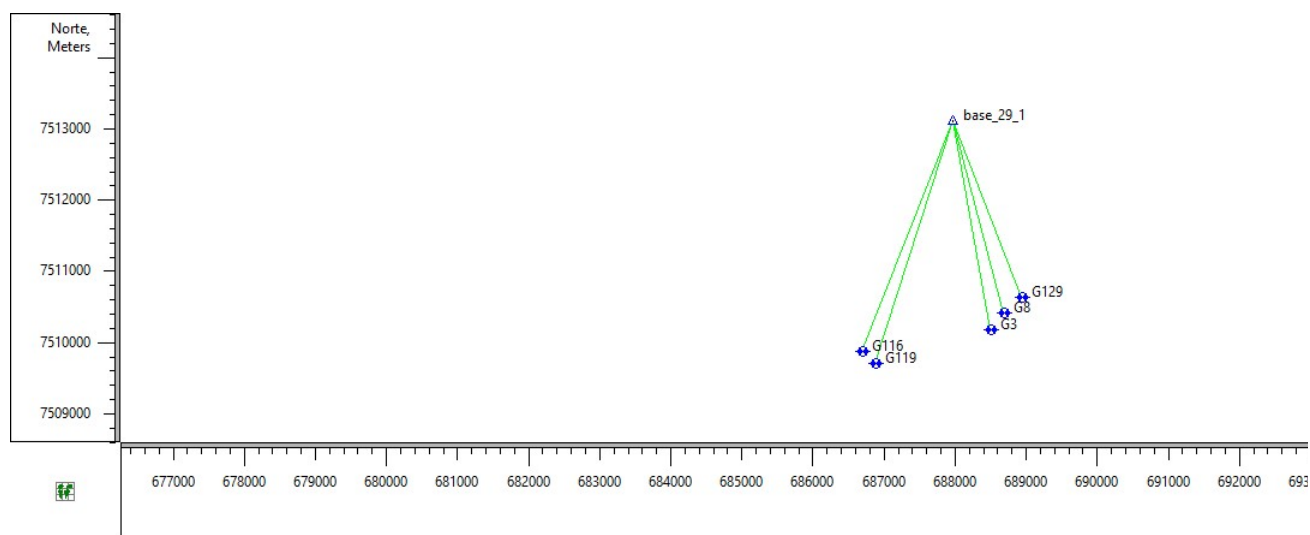
Created by:

Comment:

Linear unit: **Meters**Angular unit: **DMS**Projection: **UTMSouth-Zone\_23 : 48W to 42W**Datum: **WGS84**

Geoid:

Time Zone: **E. South America Standard Time**



## MEMÓRIA DE CÁLCULO DOS PONTOS TOPOGRÁFICOS:

**G117-27-28-115-2-128-7-6-5-127-RN-126**

**Ajustamento**Adjustment type: **Plano + Altura, Minimal constraint**Confidence level: **95 %**Number of adjusted points: **13**Number of plane control points: **1**Number of plane weighted points: **1**Number of used GPS vectors: **12**A posteriori plane or 3D UWE: **1** , Bounds: ( **1** , **1** )Number of height control points: **1**A posteriori height UWE: **1** , Bounds: ( **1** , **1** )

Observações GPS					
Nome	dN (m)	dE (m)	dZ (m)	Horz RMS (m)	Vert RMS (m)
G2-base_29_1	3350,833	-324,889	-13,820	0,004	0,008
G5-base_29_1	2822,230	-604,690	-41,283	0,004	0,009
G6-base_29_1	2758,415	-629,465	-45,030	0,005	0,013
G7-base_29_1	2724,657	-654,637	-45,036	0,005	0,011
G27-base_29_1	2830,471	970,707	-9,662	0,003	0,007
G28-base_29_1	2847,687	1005,042	-9,492	0,002	0,004
G115-base_29_1	2841,473	1011,899	-9,617	0,009	0,017
G117-base_29_1	3761,705	718,084	-11,458	0,004	0,009
G126-base_29_1	3404,524	-352,808	-14,770	0,008	0,013
G127-base_29_1	2980,408	-573,662	-41,718	0,016	0,052
G128-base_29_1	3038,722	-488,136	-17,873	0,011	0,024
RN-base_29_1	3431,423	1121,563	-9,693	0,002	0,005

**Ocupações GPS**

Nome Ponto	Nome Original
base_29_1	log0529a
RN	3245622
G117	3245622
G27	3245622
G28	3245622
G115	3245622
G2	3245622
G128	3245622
G7	3245622
G6	3245622
G5	3245622
G127	3245622
G126	3245622

**Point Summary**

Nome	Malha Norte (m)	Malha Este (m)	Elevação (m)	Código
G2	7509766,742	688295,633	808,281	
G5	7510295,345	688575,434	835,744	
G6	7510359,160	688600,209	839,491	
G7	7510392,918	688625,381	839,497	
G27	7510287,104	687000,037	804,123	
G28	7510269,888	686965,702	803,953	
G115	7510276,102	686958,845	804,078	
G117	7509355,870	687252,660	805,919	
G126	7509713,051	688323,552	809,231	
G127	7510137,167	688544,406	836,179	
G128	7510078,853	688458,880	812,334	
RN	7509686,152	686849,181	804,154	
base_29_1	7513117,575	687970,744	794,461	

**Project**Project name: **DIA\_2\_ROVER\_CHCROVER.ttp**Project folder: **C:\Users\pmar\Documents\Topcon Tools Jobs**

Creation time: 15/01/2022 10:33:00

Created by:

Comment:

Linear unit: **Meters**

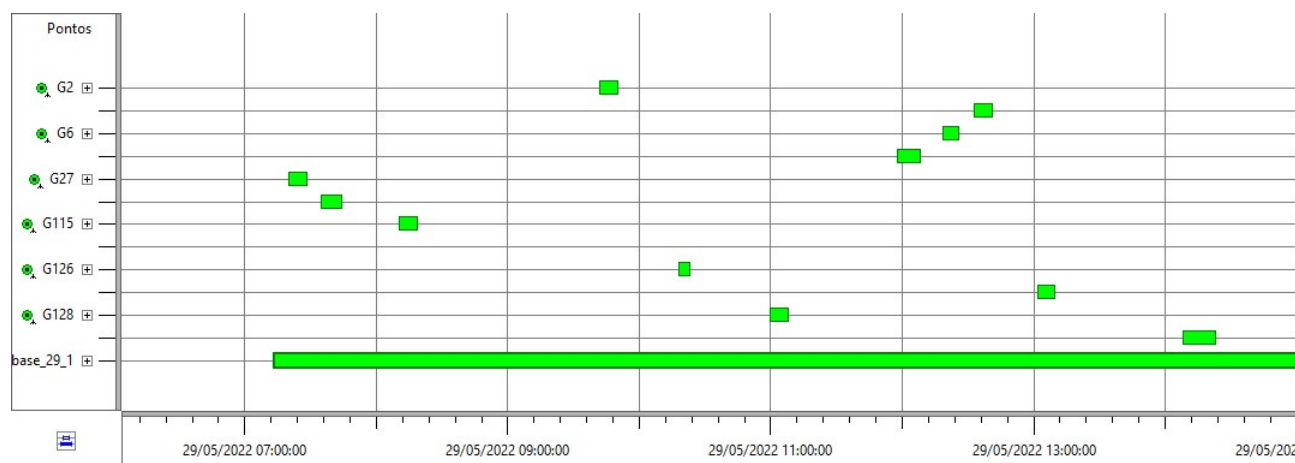
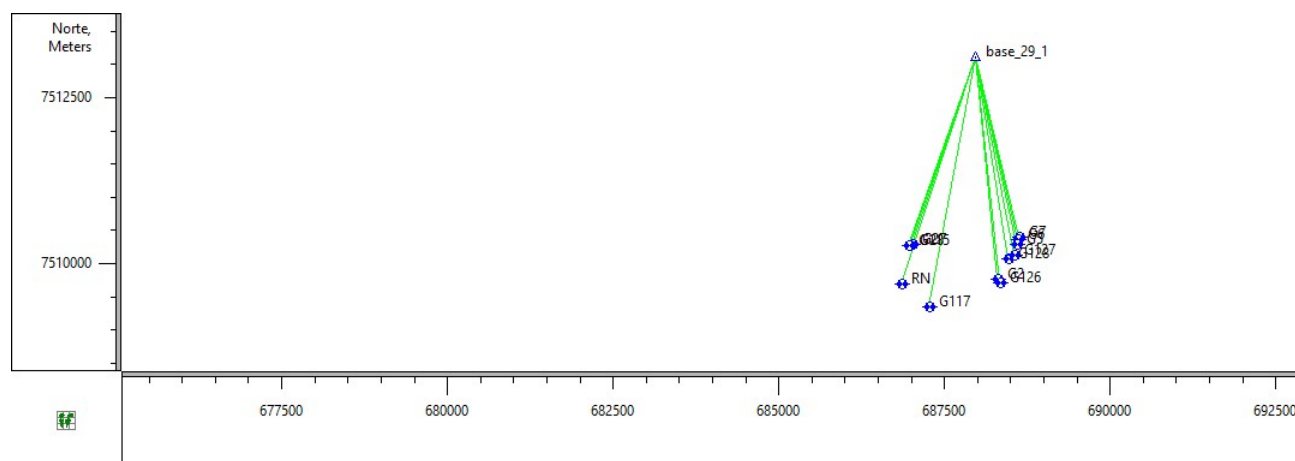
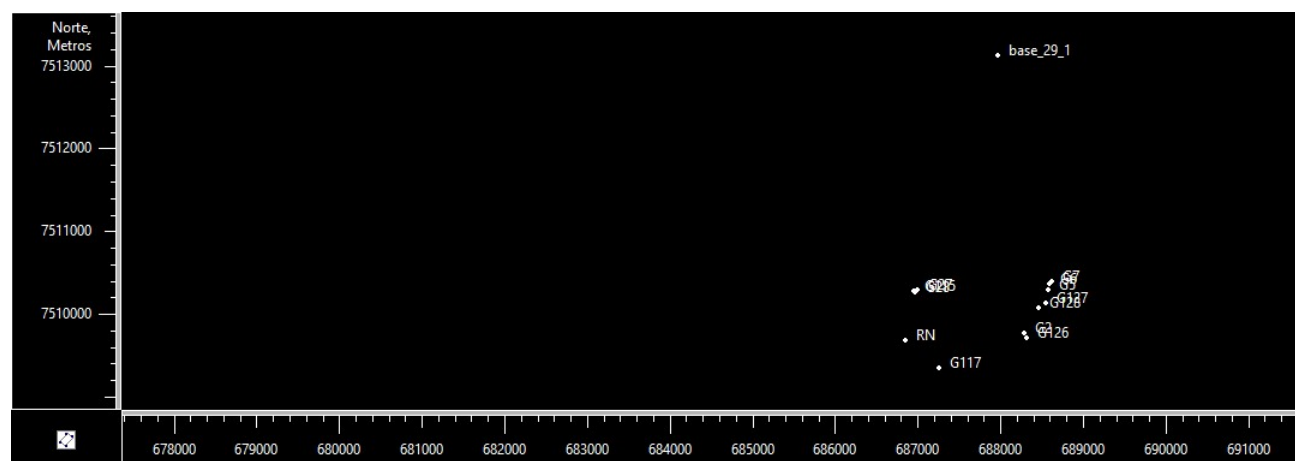
Angular unit: **DMS**

Projection: **UTMSouth-Zone\_23 : 48W to 42W**

Datum: **WGS84**

Geoid:

Time Zone: **E. South America Standard Time**





## MEMÓRIA DE CÁLCULO DOS PONTOS TOPOGRÁFICOS:

**G135-G137-G146-G140-G136**

**Ajustamento**Adjustment type: **Plano + Altura, Minimal constraint**Confidence level: **95 %**Number of adjusted points: **6**Number of plane control points: **1**Number of plane weighted points: **1**Number of used GPS vectors: **5**A posteriori plane or 3D UWE: **1**, Bounds: ( **1**, **1** )Number of height control points: **1**A posteriori height UWE: **1**, Bounds: ( **1**, **1** )**Observações GPS**

Nome	dN (m)	dE (m)	dZ (m)	Horz RMS (m)	Vert RMS (m)
G135-base_29_2	921,985	-2049,712	81,831	0,008	0,014
G136-base_29_2	999,445	-2236,557	66,048	0,007	0,018
G137-base_29_2	314,194	-2003,316	93,813	0,004	0,008
G140-base_29_2	-22,931	-2148,882	78,231	0,008	0,018
G146-base_29_2	-56,588	-1977,116	78,131	0,005	0,007

**Ocupações GPS**

Nome Ponto	Nome Original
G135	3245622
G137	3245622
G146	3245622
G140	3245622
G136	3245622
base_29_2	3245622

**Point Summary**

Nome	Malha Norte (m)	Malha Este (m)	Elevação (m)	Código
G135	7512195,590	690020,456	712,630	
G136	7512118,130	690207,301	728,413	
G137	7512803,381	689974,060	700,648	
G140	7513140,506	690119,626	716,230	
G146	7513174,163	689947,860	716,330	
base_29_2	7513117,575	687970,744	794,461	

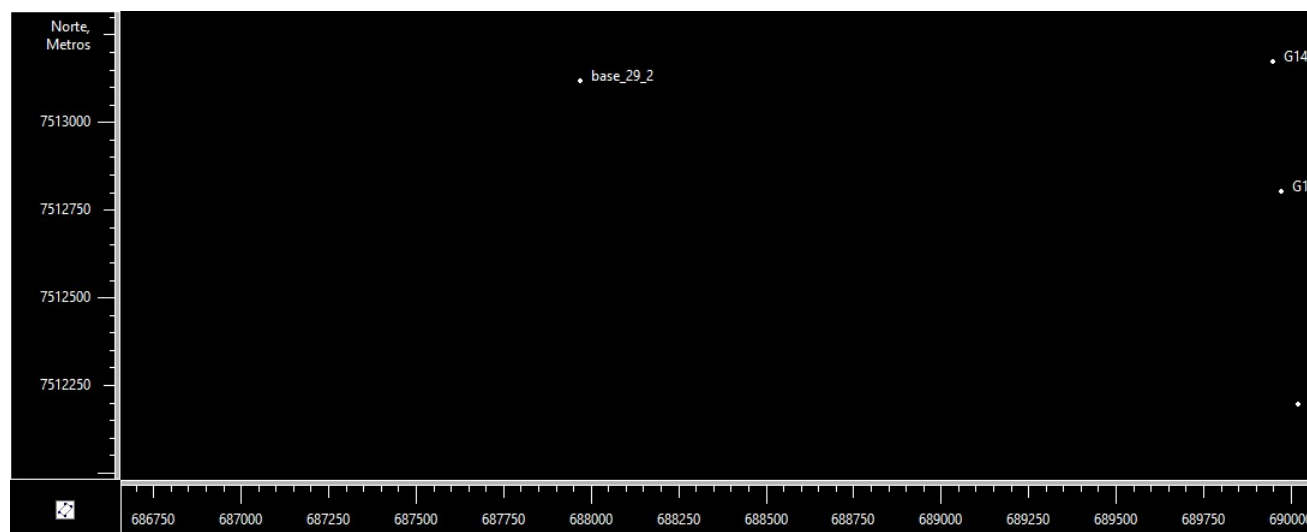
**Project**Project name: **DIA\_2\_ROVER\_CHCROVER\_PART2.ttp**Project folder: **C:\Users\pmar\Documents\Topcon Tools Jobs**Creation time: **15/01/2022 10:33:00**

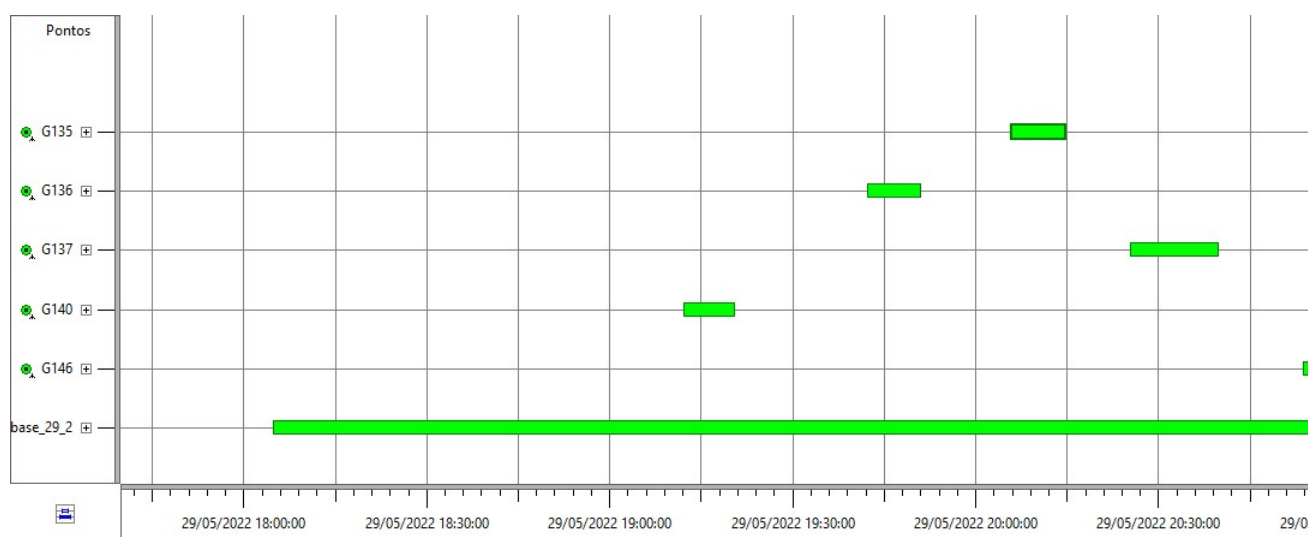
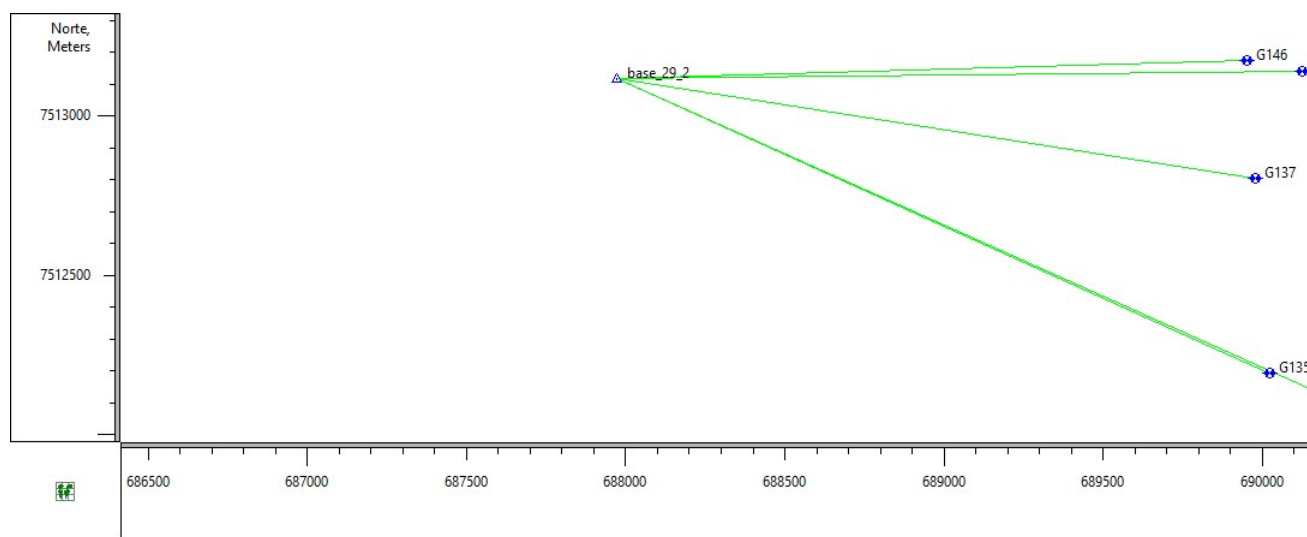
Created by:

Comment:

Linear unit: **Meters**Angular unit: **DMS**Projection: **UTMSouth-Zone\_23 : 48W to 42W**Datum: **WGS84**

Geoid:

Time Zone: **E. South America Standard Time**



## MEMÓRIA DE CÁLCULO DOS PONTOS TOPOGRÁFICOS:

**G138-G26-G102-G141-G139-G145**

**Ajustamento**Adjustment type: **Plano + Altura, Minimal constraint**Confidence level: **95 %**Number of adjusted points: **7**Number of plane control points: **1**Number of plane weighted points: **1**Number of used GPS vectors: **6**A posteriori plane or 3D UWE: **1** , Bounds: ( **1** , **1** )Number of height control points: **1**A posteriori height UWE: **1** , Bounds: ( **1** , **1** )

Observações GPS					
Nome	dN (m)	dE (m)	dZ (m)	Horz RMS (m)	Vert RMS (m)
G26-base_29_2	321,196	-2002,745	94,079	0,008	0,016
G102-base_29_2	-474,610	-1569,651	30,217	0,009	0,017
G138-base_29_2	530,056	-2044,670	72,870	0,019	0,048
G139-base_29_2	198,094	-2108,116	85,047	0,007	0,015
G141-base_29_2	-257,749	-2227,564	82,983	0,011	0,026
G145-base_29_2	1209,380	-1927,325	79,635	0,004	0,010

**Ocupações GPS**

Nome Ponto	Nome Original
base_29_2	3245622
G138	log0529e
G26	log0529f
G102	log0529c
G141	log0529d
G139	log0529m
G145	log0529n

**Point Summary**

Nome	Malha Norte (m)	Malha Este (m)	Elevação (m)	Código
G26	7512796,379	689973,489	700,382	
G102	7513592,185	689540,395	764,244	
G138	7512587,519	690015,414	721,591	
G139	7512919,481	690078,860	709,414	
G141	7513375,324	690198,308	711,478	
G145	7511908,195	689898,069	714,826	
base_29_2	7513117,575	687970,744	794,461	

**Project**Project name: **DIA\_2\_BASEROVERJAVAD\_B.ttp**Project folder: **C:\Users\pmar\Documents\Topcon Tools Jobs**Creation time: **15/01/2022 10:33:00**

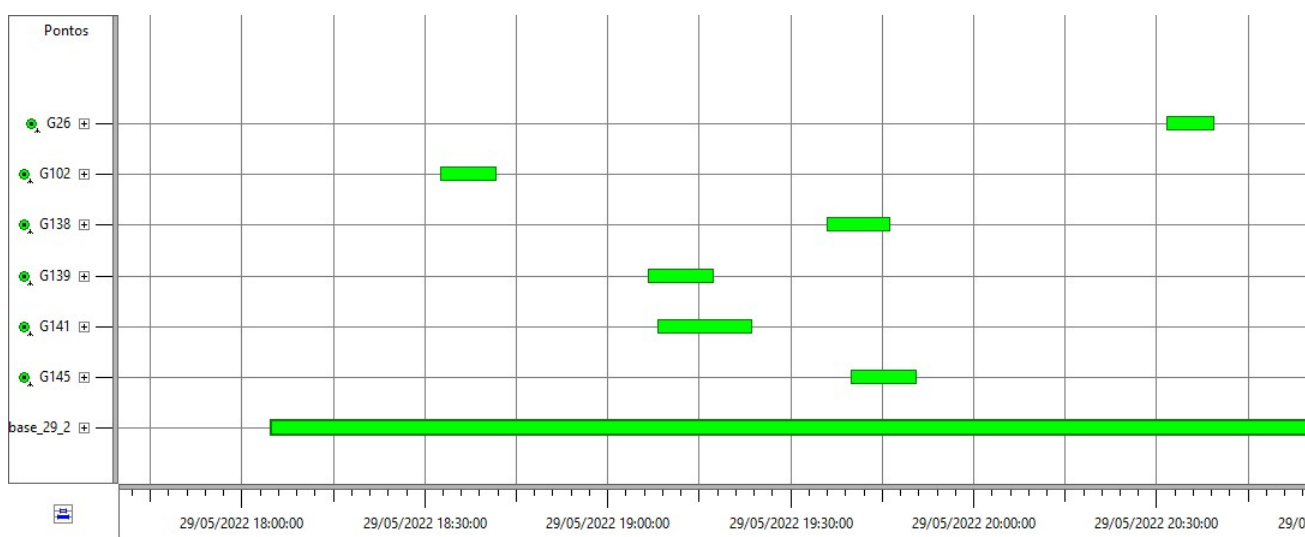
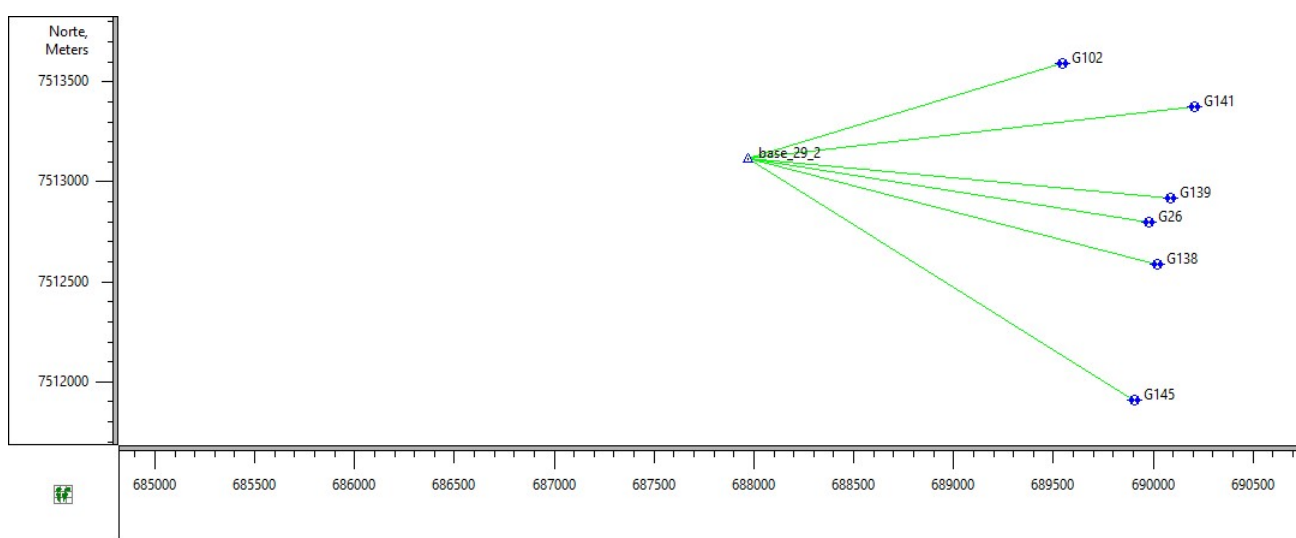
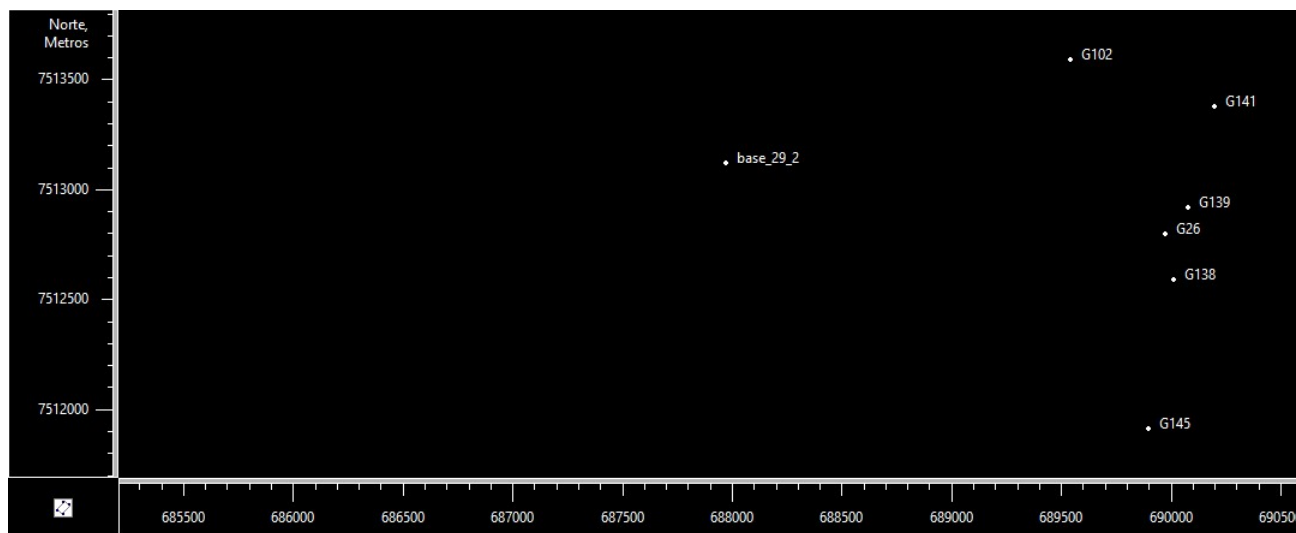
Created by:

Comment:

Linear unit: **Meters**Angular unit: **DMS**Projection: **UTMSouth-Zone\_23 : 48W to 42W**Datum: **WGS84**

Geoid:

Time Zone: **E. South America Standard Time**



## MEMÓRIA DE CÁLCULO DOS PONTOS TOPOGRÁFICOS:

**G143-G22-G29-G121-G122-G124-G1-G118-G18**

**Ajustamento**Adjustment type: **Plano + Altura, Minimal constraint**Confidence level: **95 %**Number of adjusted points: **10**Number of plane control points: **1**Number of plane weighted points: **1**Number of used GPS vectors: **9**A posteriori plane or 3D UWE: **1**, Bounds: ( **1**, **1** )Number of height control points: **1**A posteriori height UWE: **1**, Bounds: ( **1**, **1** )

Nome	dN (m)	Observações GPS			Horz RMS (m)	Vert RMS (m)
		dE (m)	dZ (m)			
G1-base_29_1	3399,238	-334,162	-14,641		0,004	0,010
G18-base_29_1	151,825	-0,928	0,135		0,006	0,009
G22-base_29_1	4257,530	1256,657	-22,952		0,010	0,031
G29-base_29_1	3075,889	774,268	-9,647		0,007	0,011
G118-base_29_1	2820,363	-566,987	-28,201		0,007	0,013
G121-base_29_1	3108,827	740,751	-9,621		0,004	0,007
G122-base_29_1	3284,289	420,337	-9,764		0,005	0,014
G124-base_29_1	3408,860	-8,935	-11,702		0,004	0,008
G143-base_29_1	4248,362	1184,600	-22,415		0,015	0,029

**Ocupações GPS**

Nome Ponto	Nome Original
base_29_1	log0529a
G143	3245622
G22	3245622
G18	3245622
G29	3245622
G121	3245622
G122	3245622
G124	3245622
G1	3245622
G118	3245622

**Point Summary**

Nome	Malha Norte (m)	Malha Este (m)	Elevação (m)	Código
G1	7509718,337	688304,906	809,102	
G18	7512965,750	687971,672	794,326	
G22	7508860,045	686714,087	817,413	
G29	7510041,686	687196,476	804,108	
G118	7510297,212	688537,731	822,662	
G121	7510008,748	687229,993	804,082	
G122	7509833,286	687550,407	804,225	
G124	7509708,715	687979,679	806,163	
G143	7508869,213	686786,144	816,876	
base_29_1	7513117,575	687970,744	794,461	

**Project**Project name: **DIA\_2\_ROVER\_CHCBASE\_B.ttp**Project folder: **C:\Users\pmar\Documents\Topcon Tools Jobs**Creation time: **15/01/2022 10:33:00**

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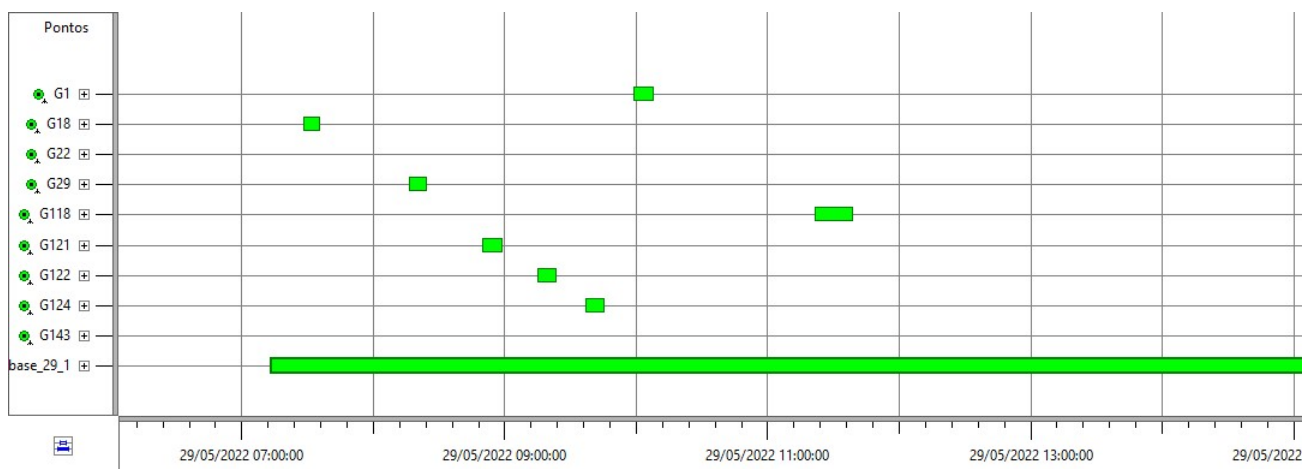
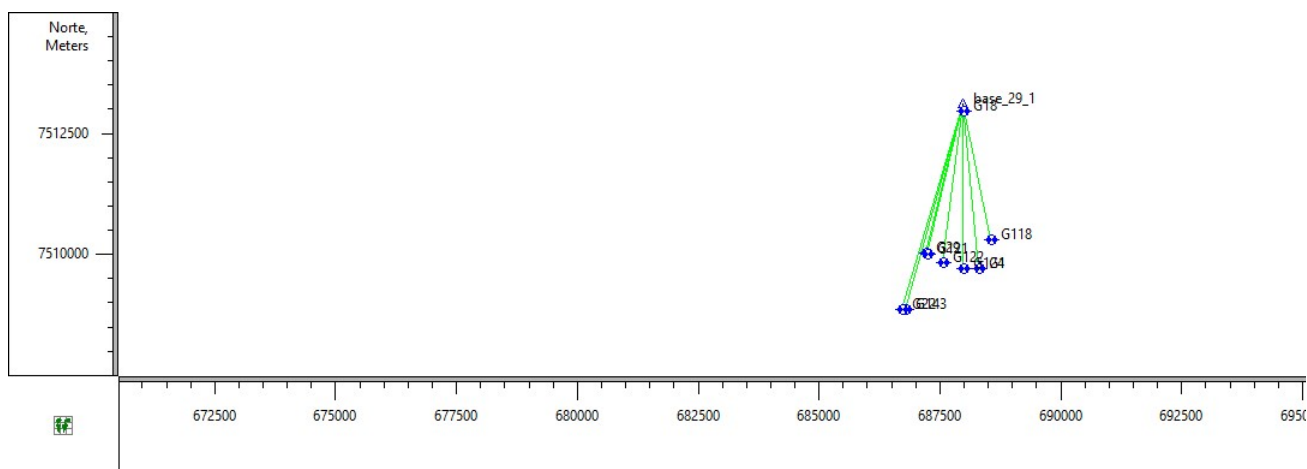
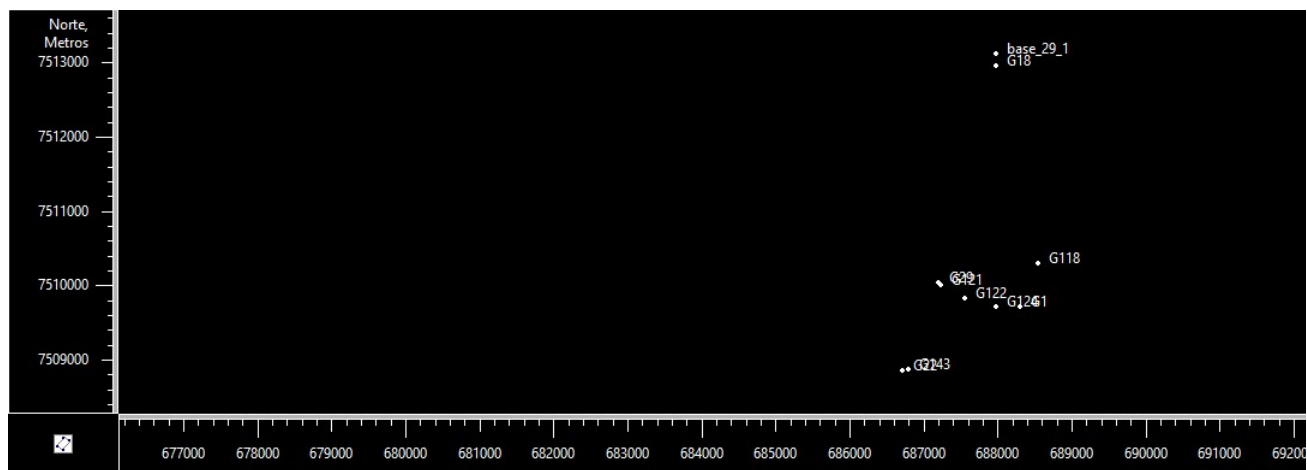
Comment:

Linear unit: **Meters**Angular unit: **DMS**Projection: **UTMSouth-Zone\_23 : 48W to 42W**Datum: **WGS84**

Geoid:

Time Zone: **E. South America Standard Time**





## MEMÓRIA DE CÁLCULO DO PONTO TOPOGRÁFICO:

**G147**

**Ajustamento**Adjustment type: **Plano + Altura, Minimal constraint**Confidence level: **95 %**Number of adjusted points: **2**Number of plane control points: **1**Number of plane weighted points: **1**Number of used GPS vectors: **1**A posteriori plane or 3D UWE: **1**, Bounds: ( **1**, **1** )Number of height control points: **1**A posteriori height UWE: **1**, Bounds: ( **1**, **1** )**Observações GPS**

Nome	dN (m)	dE (m)	dZ (m)	Horz RMS (m)	Vert RMS (m)
G147-base_29_2	-201,398	-1762,781	52,095	0,018	0,026

**Ocupações GPS**

Nome Ponto	Nome Original
base_29_2	3245622
G147	3245622

**Point Summary**

Nome	Malha Norte (m)	Malha Este (m)	Elevação (m)	Código
G147	7513318,973	689733,525	742,366	
base_29_2	7513117,575	687970,744	794,461	

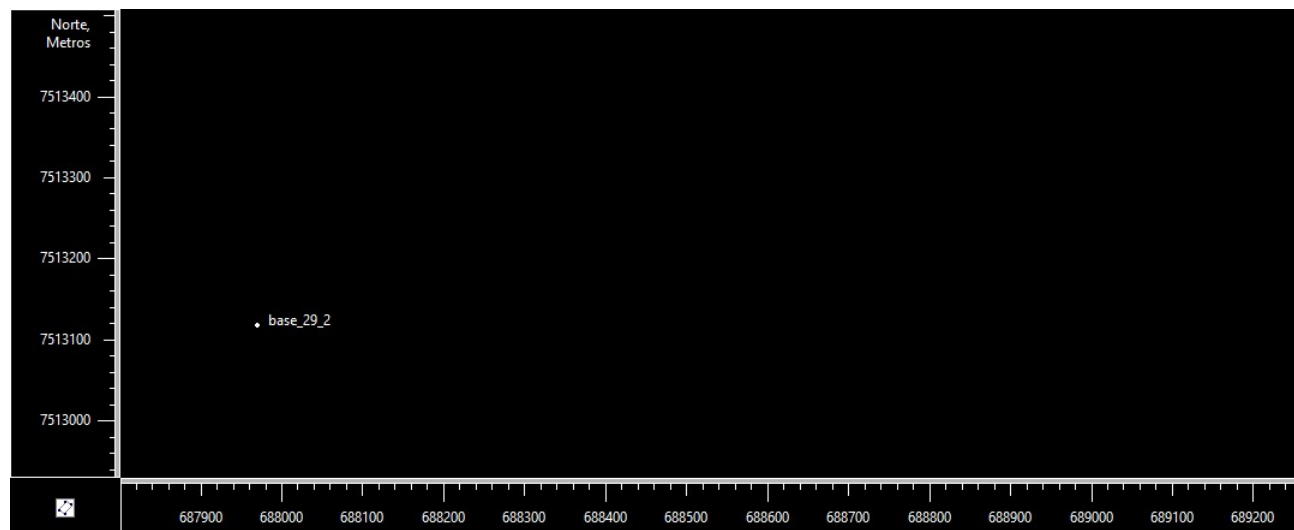
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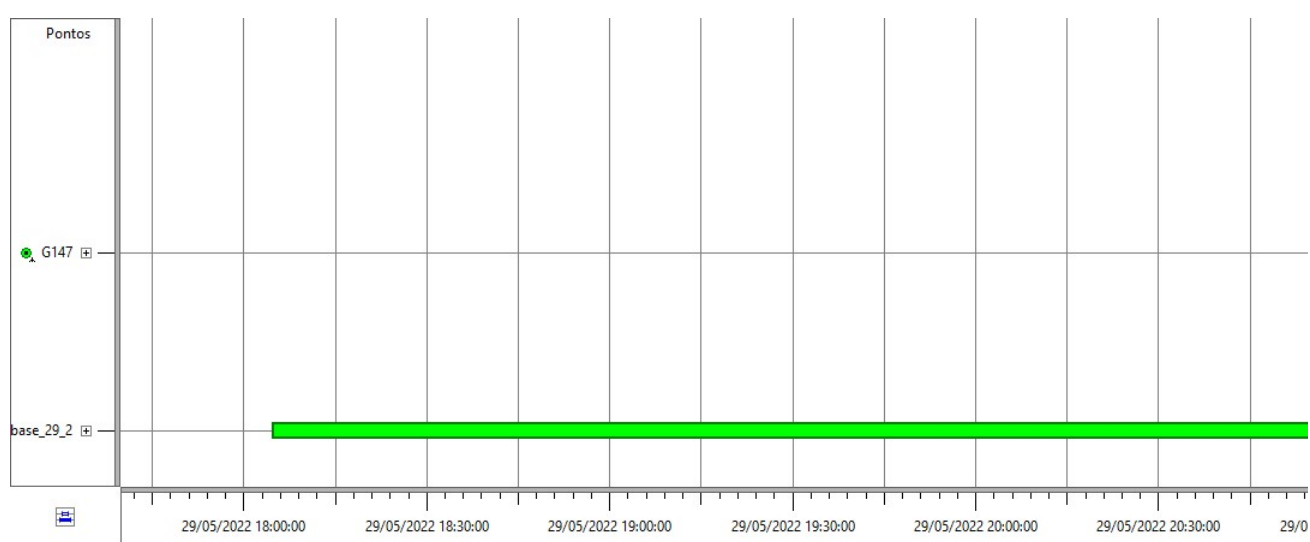
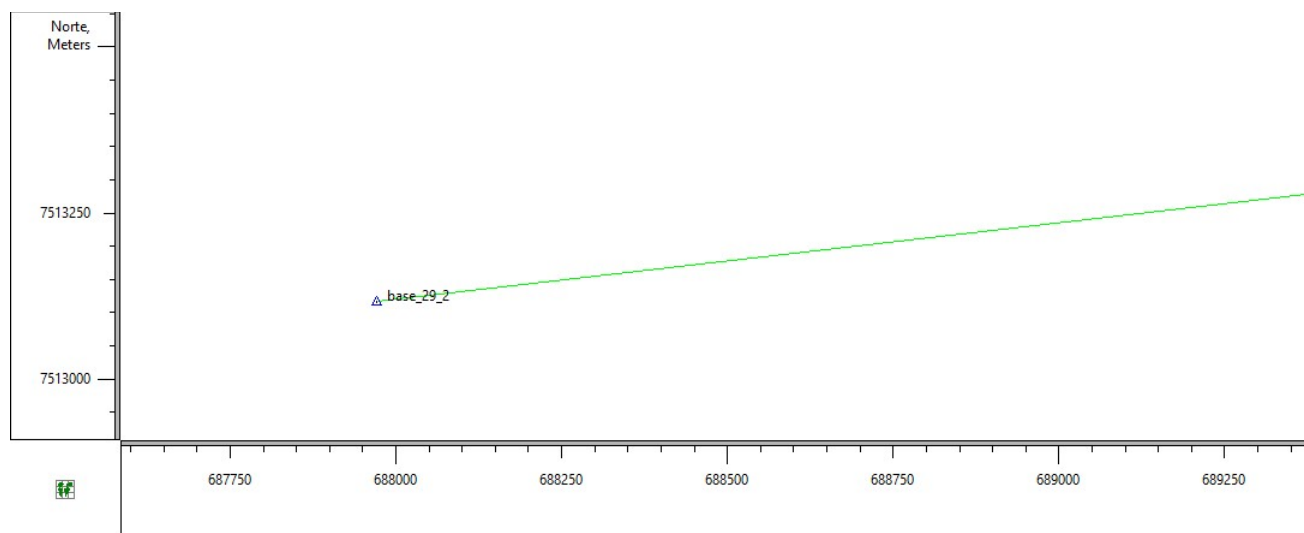
Created by:

Comment:

Linear unit: **Meters**Angular unit: **DMS**Projection: **UTMSouth-Zone\_23 : 48W to 42W**Datum: **WGS84**

Geoid:

Time Zone: **E. South America Standard Time**



## MEMÓRIA DE CÁLCULO DO PONTO TOPOGRÁFICO:

**G203**

**Ajustamento**Adjustment type: **Plano + Altura, Minimal constraint**Confidence level: **95 %**Number of adjusted points: **2**Number of plane control points: **1**Number of plane weighted points: **1**Number of used GPS vectors: **1**A posteriori plane or 3D UWE: **1**, Bounds: ( **1** , **1** )Number of height control points: **1**A posteriori height UWE: **1**, Bounds: ( **1** , **1** )**Observações GPS**

Nome	dN (m)	dE (m)	dZ (m)	Horz RMS (m)	Vert RMS (m)
G13-G203	1235,070	687,238	-18,344	0,007	<b>0,075</b>

**Ocupações GPS**

Nome Ponto	Nome Original
G13	03313622
G203	03313610

**Point Summary**

Nome	Malha Norte (m)	Malha Este (m)	Elevação (m)	Código
G13	7509481,490	688167,166	808,112	
G203	7510716,559	688854,404	789,768	

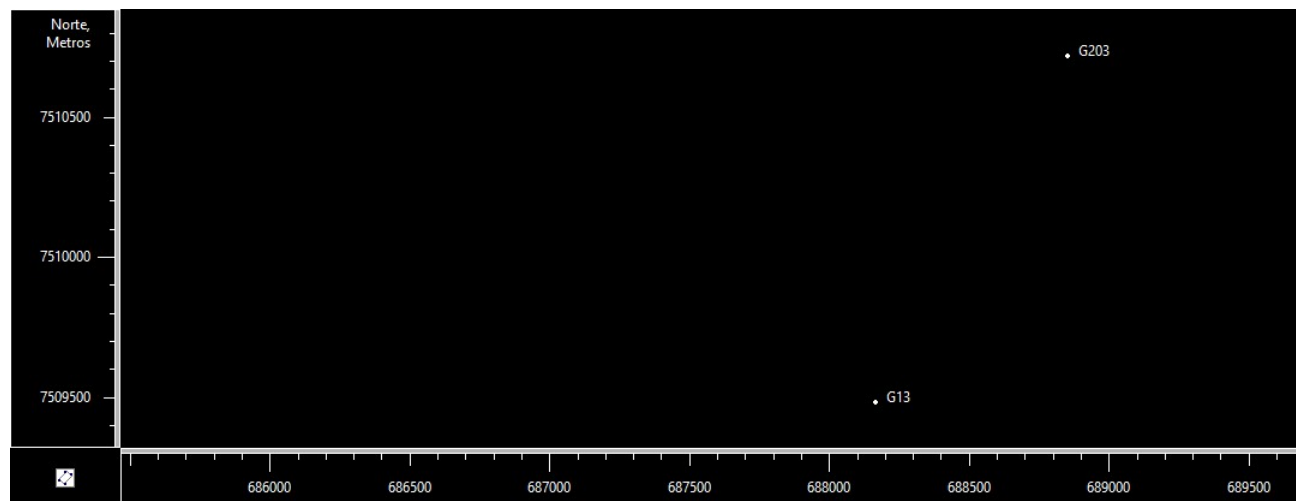
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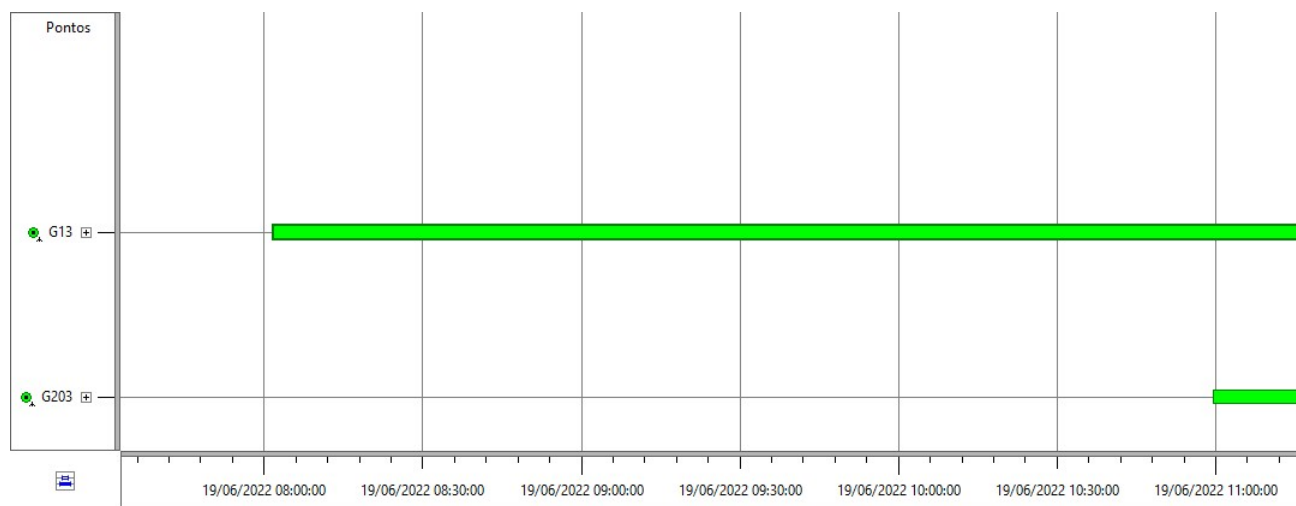
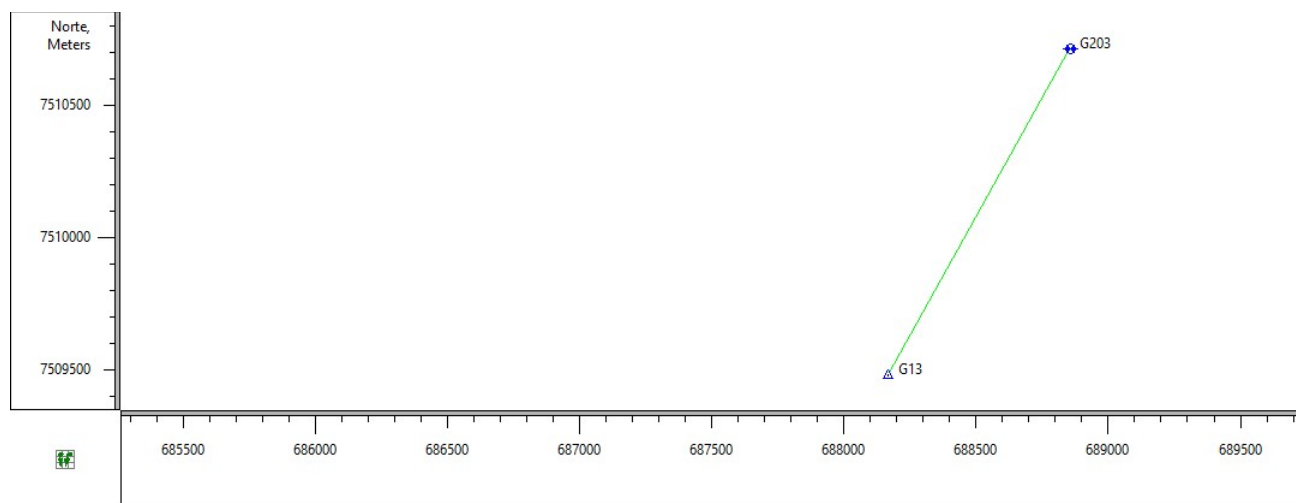
Created by:

Comment:

Linear unit: **Meters**Angular unit: **DMS**Projection: **UTMSouth-Zone\_23 : 48W to 42W**Datum: **WGS84**

Geoid:

Time Zone: **E. South America Standard Time**



## MEMÓRIA DE CÁLCULO DO PONTO TOPOGRÁFICO:

**G206**



**Ajustamento**Adjustment type: **Plano + Altura, Minimal constraint**Confidence level: **95 %**Number of adjusted points: **2**Number of plane control points: **1**Number of plane weighted points: **1**Number of used GPS vectors: **1**A posteriori plane or 3D UWE: **1**, Bounds: ( **1** , **1** )Number of height control points: **1**A posteriori height UWE: **1**, Bounds: ( **1** , **1** )**Observações GPS**

Nome	dN (m)	dE (m)	dZ (m)	Horz RMS (m)	Vert RMS (m)
G13-G206	1143,955	590,094	-6,053	0,011	<b>0,064</b>

**Ocupações GPS**

Nome Ponto	Nome Original
G13	03313622
G206	03313610

**Point Summary**

Nome	Malha Norte (m)	Malha Este (m)	Elevação (m)	Código
G13	7509481,490	688167,166	808,112	
G206	7510625,445	688757,260	802,059	

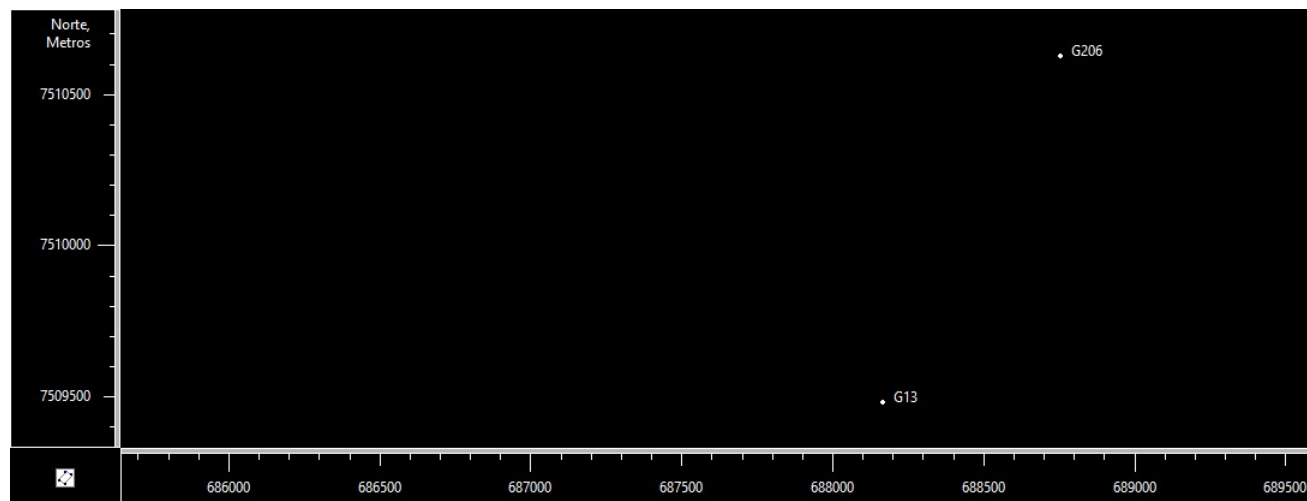
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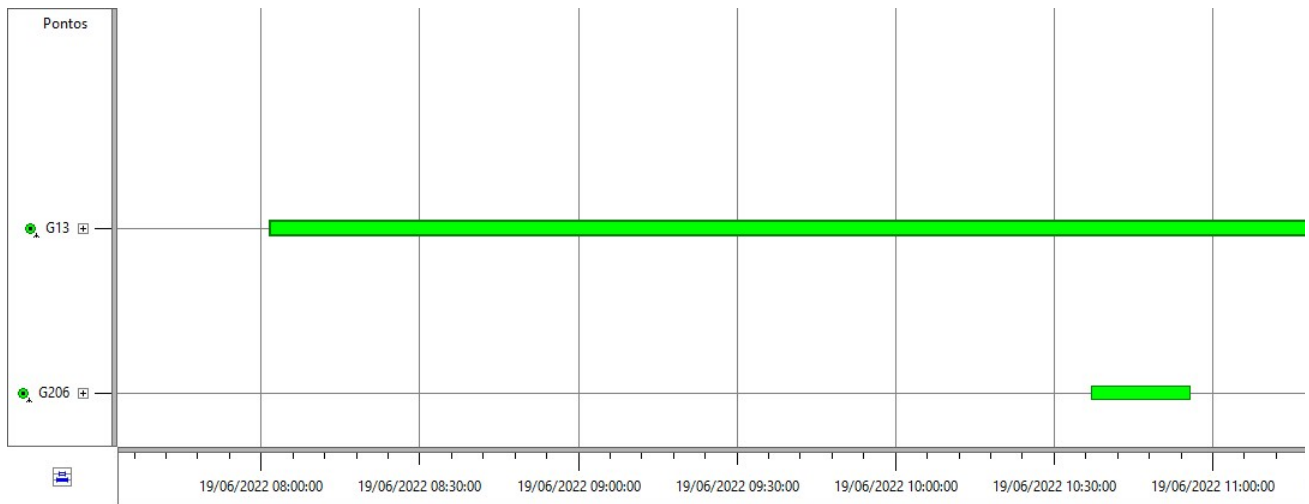
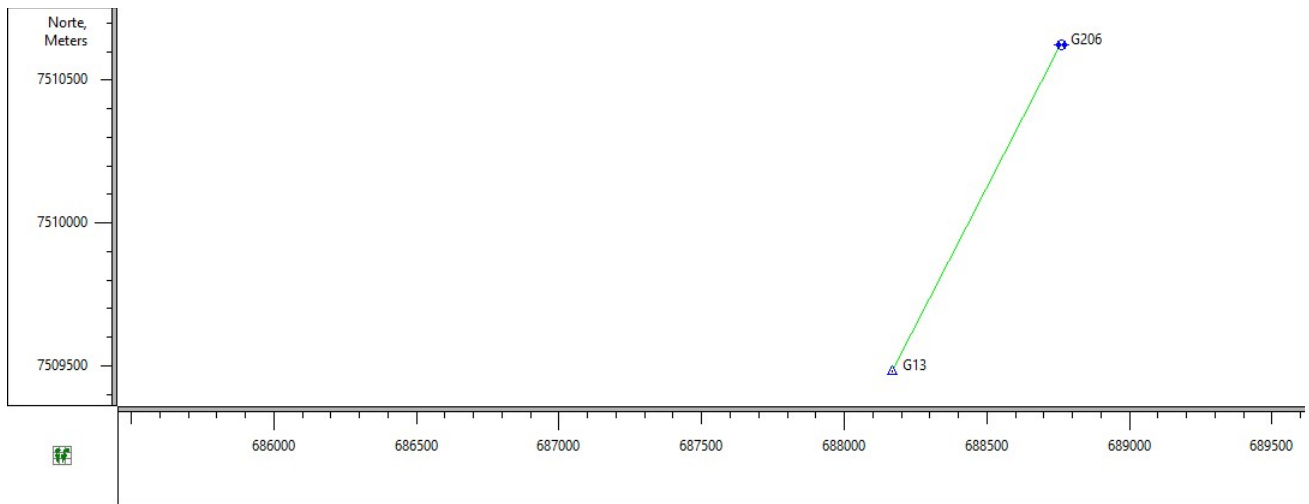
Created by:

Comment:

Linear unit: **Meters**Angular unit: **DMS**Projection: **UTMSouth-Zone\_23 : 48W to 42W**Datum: **WGS84**

Geoid:

Time Zone: **E. South America Standard Time**



## MEMÓRIA DE CÁLCULO DO PONTO TOPOGRÁFICO:

**G207**

**Ajustamento**Adjustment type: **Plano + Altura, Minimal constraint**Confidence level: **95 %**Number of adjusted points: **2**Number of plane control points: **1**Number of plane weighted points: **1**Number of used GPS vectors: **1**A posteriori plane or 3D UWE: **1**, Bounds: ( **1**, **1** )Number of height control points: **1**A posteriori height UWE: **1**, Bounds: ( **1**, **1** )**Observações GPS**

Nome	dN (m)	dE (m)	dZ (m)	Horz RMS (m)	Vert RMS (m)
G13-G207	372,065	81,314	-0,539	0,010	0,024

**Ocupações GPS**

Nome Ponto	Nome Original
G13	03313622
G207	03313610

**Point Summary**

Nome	Malha Norte (m)	Malha Este (m)	Elevação (m)	Código
G13	7509481,490	688167,166	808,112	
G207	7509853,555	688248,480	807,573	

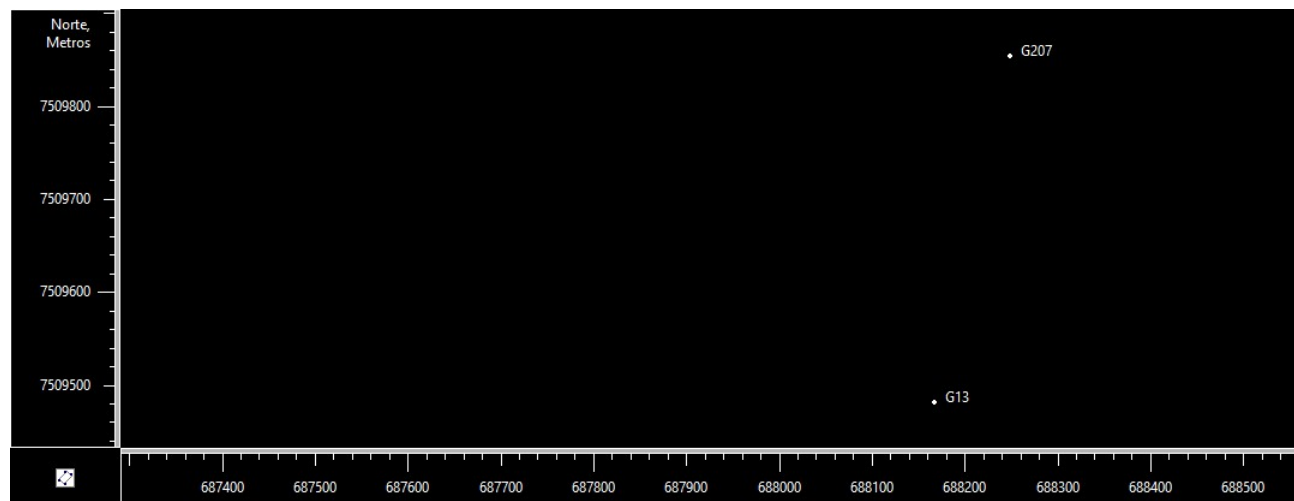
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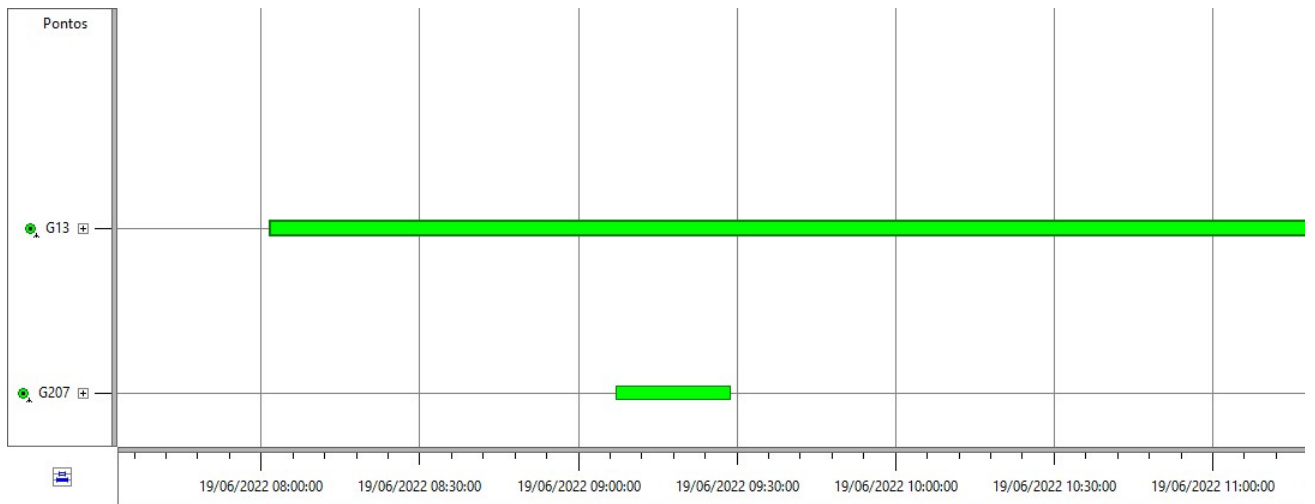
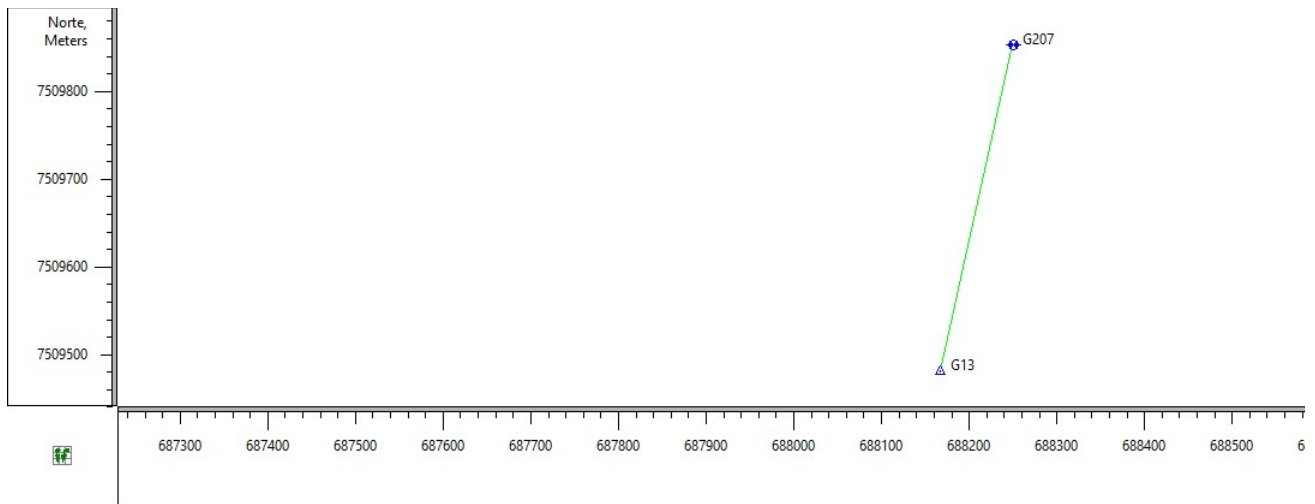
Created by:

Comment:

Linear unit: **Meters**Angular unit: **DMS**Projection: **UTMSouth-Zone\_23 : 48W to 42W**Datum: **WGS84**

Geoid:

Time Zone: **E. South America Standard Time**



## MEMÓRIA DE CÁLCULO DO PONTO TOPOGRÁFICO:

**G300**

**Ajustamento**Adjustment type: **Plano + Altura, Minimal constraint**Confidence level: **95 %**Number of adjusted points: **2**Number of plane control points: **1**Number of plane weighted points: **1**Number of used GPS vectors: **1**A posteriori plane or 3D UWE: **1**, Bounds: ( **1** , **1** )Number of height control points: **1**A posteriori height UWE: **1**, Bounds: ( **1** , **1** )**Observações GPS**

Nome	dN (m)	dE (m)	dZ (m)	Horz RMS (m)	Vert RMS (m)
G13-G300	490,464	263,102	5,348	0,012	0,018

**Ocupações GPS**

Nome Ponto	Nome Original
G13	03313622
G300	03313610

**Point Summary**

Nome	Malha Norte (m)	Malha Este (m)	Elevação (m)	Código
G13	7509481,490	688167,166	808,112	
G300	7509971,954	688430,268	813,461	

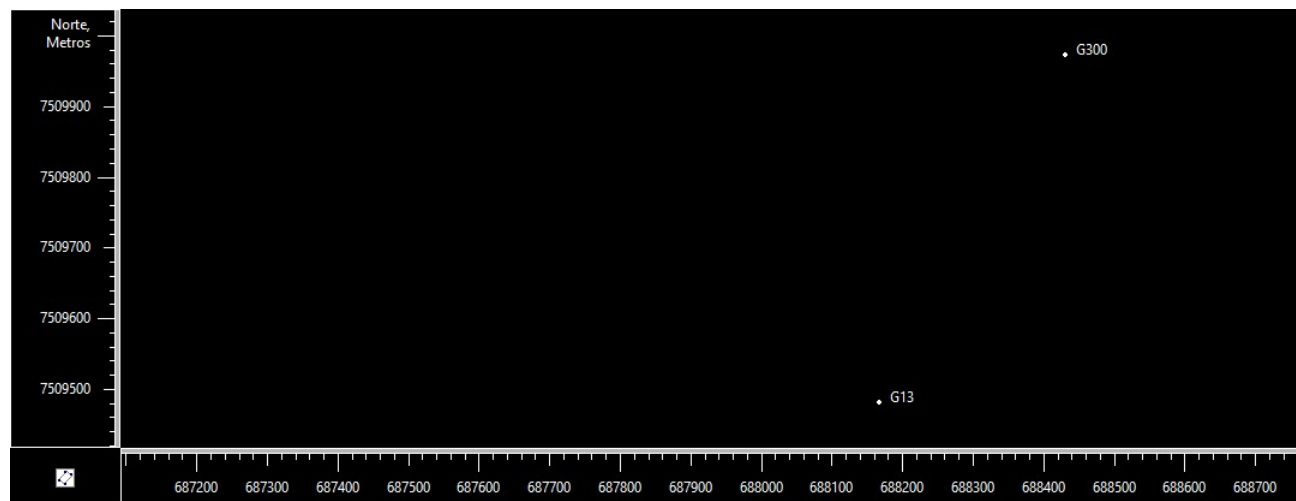
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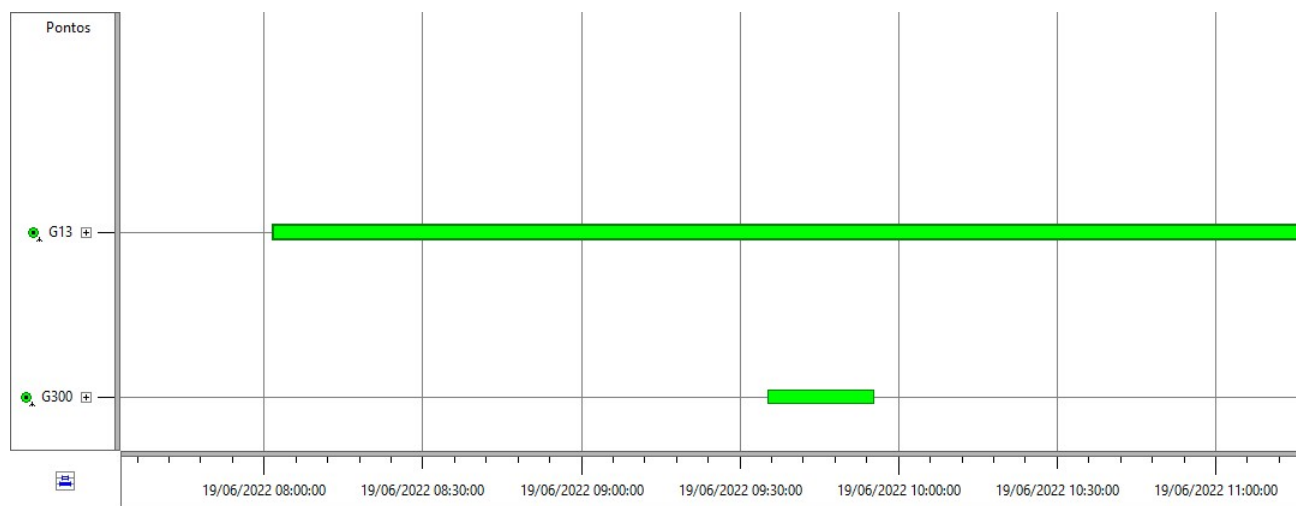
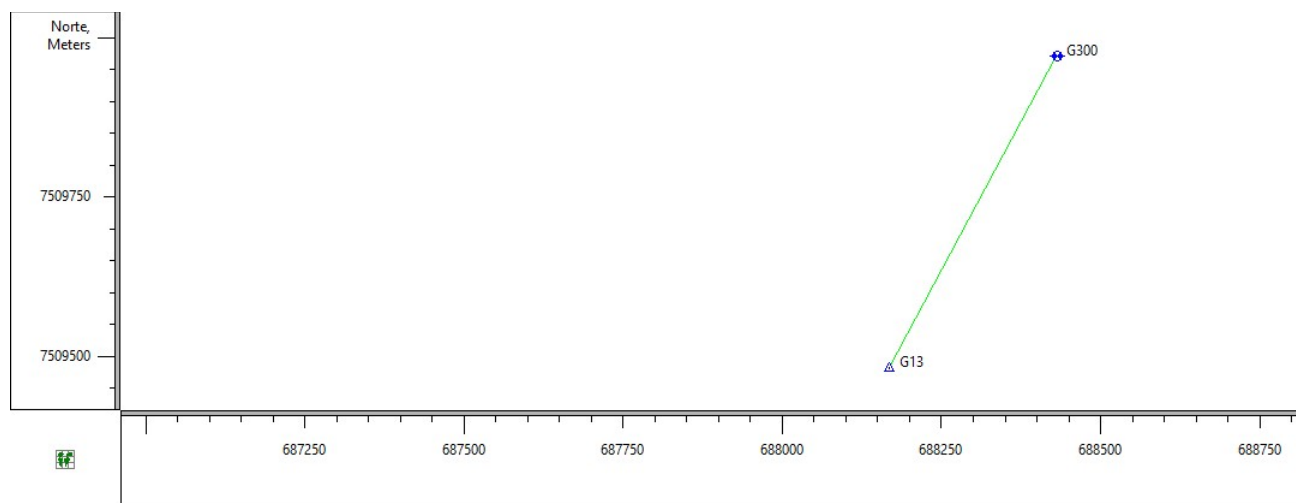
Created by:

Comment:

Linear unit: **Meters**Angular unit: **DMS**Projection: **UTMSouth-Zone\_23 : 48W to 42W**Datum: **WGS84**

Geoid:

Time Zone: **E. South America Standard Time**





## MEMÓRIA DE CÁLCULO DOS PONTOS TOPOGRÁFICOS:

**G301-G204-G205-G201-G202**

**Ajustamento**Adjustment type: **Plano + Altura, Minimal constraint**Confidence level: **95 %**Number of adjusted points: **6**Number of plane control points: **1**Number of plane weighted points: **1**Number of used GPS vectors: **5**A posteriori plane or 3D UWE: **1**, Bounds: ( **1**, **1** )Number of height control points: **1**A posteriori height UWE: **1**, Bounds: ( **1**, **1** )**Observações GPS**

Nome	dN (m)	dE (m)	dZ (m)	Horz RMS (m)	Vert RMS (m)
G13-G201	1350,968	804,963	-26,363	0,007	0,025
G13-G202	1565,561	952,933	-36,373	0,007	0,022
G13-G204	231,570	156,383	1,013	0,009	0,016
G13-G205	235,157	137,263	0,772	0,016	0,036
G13-G301	1725,338	1123,038	-48,446	0,015	0,022

**Ocupações GPS**

Nome Ponto	Nome Original
G13	03313622
G204	03313610
G205	03313610
G201	03313610
G202	03313610
G301	03313610

**Point Summary**

Nome	Malha Norte (m)	Malha Este (m)	Elevação (m)	Código
G13	7509481,490	688167,166	808,112	
G201	7510832,458	688972,128	781,749	
G202	7511047,051	689120,099	771,739	
G204	7509713,060	688323,549	809,125	
G205	7509716,647	688304,429	808,884	
G301	7511206,828	689290,204	759,666	

**Project**Project name: **BASE\_DIA19\_06\_rovers.ttp**Project folder: **C:\Users\pmar\Documents\Topcon Tools Jobs**Creation time: **15/01/2022 10:33:00**

Created by:

Comment:

Linear unit: **Meters**Angular unit: **DMS**Projection: **UTMSouth-Zone\_23 : 48W to 42W**Datum: **WGS84**

Geoid:

Time Zone: **E. South America Standard Time**