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*****
* NETWORK - WEIGHTED GNSS NETWORK ADJUSTMENT *
*
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*
* Version: 8.70.6912
*
* FILE: P:\CC-430-CABLE SAN

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CRISTOBAL\03-GEST-PROYECTO\03-PRODUCCION\01-POST
MARCO-DE-REFERENCIA\01-CALCULO-MR-GNSS\02-GRAFNET-WAYPOINT\02-POSTPROCESO\ESTATICO
RED GNSS\BASE VUELO\BASE VUELO.net
*****

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DATE(m/d/y): Thur. 1/28/21 TIME: 8:32:08

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DATUM: 'WGS84'
GRID: Cartesianas Bogotá - Magna
SCALE_FACTOR: 0.0540
CONFIDENCE LEVEL: 95.00 % (Scale factor is 2.4479)

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INPUT CONTROL/CHECK POINTS

STA_ID	TYPE	-- LATITUDE --	-- LONGITUDE --	ELLHGT -	HZ-SD	V-SD
BOGA	GCP-3D	4 38 19.25902	-74 04 47.81837	2609.763	0.00500	0.00500
BOGT	GCP-3D	4 38 24.27019	-74 04 51.38262	2576.222	0.00500	0.00500

INPUT VECTORS

SESSION NAME	VECTOR(m)	----- Covariance (m) [unscaled] -----
	DX/DY/DZ	standard deviations in brackets
BOGA to BASE-VUELO (1)	-1528.3981	8.1839e-005 (0.0090)
	-1414.3037	-6.2607e-005 2.5992e-004 (0.0161)
	-10072.1298	1.0894e-005 -2.3087e-005 4.0995e-005 (0.0064)
BOGT to BASE-VUELO (1)	-1410.1257	1.3615e-004 (0.0117)
	-1428.2814	-1.7045e-004 8.1777e-004 (0.0286)

-10222.9032 6.7152e-007 1.1579e-004 1.3397e-004 (0.0116)

BOGT to BOGA (1) 118.2673 5.0217e-005 (0.0071)
-13.9731 -5.4459e-005 2.4425e-004 (0.0156)
-150.7711 7.6841e-006 -1.8691e-005 3.2396e-005 (0.0057)

OUTPUT VECTOR RESIDUALS (East, North, Height - Local Level)

SESSION NAME	-- RE --	-- RN --	-- RH --	- PPM -	DIST -	STD
	(m)	(m)	(m)		(km)	(m)
BOGA to BASE-VUELO (1) 0.0045	0.0013	-0.0005	0.0004	0.144	10.3	
BOGT to BASE-VUELO (1) 0.0077	-0.0016	0.0018	-0.0029	0.364	10.4	
BOGT to BOGA (1) 0.0042	0.0007	-0.0005	0.0023	12.912	0.2	

RMS	0.0013	0.0011	0.0022			

\$ - This session is flagged as a 3-sigma outlier

CONTROL POINT RESIDUALS (ADJUSTMENT MADE)

STA. NAME	-- RE --	-- RN --	-- RH --
	(m)	(m)	(m)
BOGA	-0.0002	0.0017	-0.0038
BOGT	0.0002	-0.0017	0.0038

RMS	0.0002	0.0017	0.0038

OUTPUT STATION COORDINATES (LAT/LONG/HT)

STA_ID	-- LATITUDE --	-- LONGITUDE --	- ELLHGT -	ORTHOHGT
BASE-VUELO	4 32 50.09740	-74 05 48.05816	2741.2927	2717.9130
BOGA	4 38 19.25907	-74 04 47.81838	2609.7590	2586.8793
BOGT	4 38 24.27014	-74 04 51.38261	2576.2256	2553.3654

OUTPUT STATION COORDINATES (GRID)

STA_ID	- EASTING - (m)	- NORTHING - (m)	- ELLHGT - (m)	ORTHOHGT (m)
BASE-VUELO	97875.5496	94581.7422	2741.2927	2717.9130
BOGA	99732.2659	104696.8182	2609.7590	2586.8793
BOGT	99622.3527	104850.7948	2576.2256	2553.3654

OUTPUT STATION COORDINATES (ECEF)

STA_ID	---- X ---- (m)	---- Y ---- (m)	---- Z ---- (m)
BASE-VUELO	1742988.7491	-6117465.2922	502509.0209
BOGA	1744517.1457	-6116050.9885	512581.1511
BOGT	1744398.8771	-6116037.0133	512731.9225

OUTPUT VARIANCE/COVARIANCE

STA_ID	SE/SN/SUP (95.00 %) (m)	----- CX matrix (m)----- (not scaled by confidence level) (ECEF, XYZ cartesian)
BASE-VUELO	0.00933 0.00922 0.01192	1.5250e-005 -2.4696e-006 2.3006e-005 3.2439e-007 -1.6155e-007 1.4177e-005
BOGA	0.00879 0.00877 0.00941	1.3005e-005 -4.6509e-007 1.4645e-005 6.5070e-008 -1.0452e-007 1.2848e-005
BOGT	0.00879 0.00877 0.00941	1.3005e-005 -4.6509e-007 1.4645e-005 6.5070e-008 -1.0452e-007 1.2848e-005

VARIANCE FACTOR = 0.9413

Note: Values < 1.0 indicate statistics are pessimistic, while
values > 1.0 indicate optimistic statistics. Entering this
value as the network adjustment scale factor will bring
variance factor to one.
