



LISCAD Adjustment

The Ultimate Control...

When accuracy is paramount, LISCAD provides the solution.

“Adjustment” calculates a rigorous least squares solution for your field survey observations.

Least Squares Control File Editor - Adjustment.adj

File Edit Options Horizontal Elevation Help!

Stn.	Point ID	East	North	Elevations	Code	Description
1	5001	1,054.910	1,127.030	100.300	SSM	
2	5002	980.971	1,064.084	101.301	SSM	
3	5003	1,033.784	1,033.380	99.210	BM	
4	5004	1,014.344	993.674	100.850	BM	
5	5005	1,153.498	977.899	100.542	PM	

Obs	At	To	Angular	Distance	Diff.Elev.	Angular SD	Dist. SD	Elev. SD
1	994001	994002	0.0000	134.398	0.000	0.0010	0.006	0.005
2	994001	994003	115.5043	141.883	0.000	0.0010	0.006	0.005
3	994001	5002	89.0151	57.201	0.000	0.0010	0.005	0.005
4	994001	5001	13.1728	93.817	0.000	0.0010	0.005	0.005
5	5002	994001	0.0000	57.196	0.000	0.0010	0.005	0.005
6	5002	994003	222.4047	94.404	0.000	0.0010	0.005	0.005
7	5002	5001	69.2701	97.094	0.000	0.0010	0.005	0.005
8	5002	994007	90.2618	87.657	0.000	0.0010	0.005	0.005
9	5002	5003	140.0205	61.091	0.000	0.0010	0.005	0.005
10	5002	5004	174.2951	77.927	0.000	0.0010	0.005	0.005
11	994005	994006	0.0000	107.202	0.000	0.0010	0.006	0.005
12	994005	5007	23.5555	105.457	0.000	0.0010	0.006	0.005
13	994005	5006	45.1707	48.915	0.000	0.0010	0.005	0.005
14	994005	5005	324.5934	57.761	0.000	0.0010	0.005	0.005

Point ID	Adjusted Co-ordinates			95% Confidence Limits			Error Ellipse
	East	North	East	North	Semi Major	Semi Minor	Orientation
2	327378.260	5810075.234	0.004	0.002	0.004	0.002	91°02'53"
STN20	327305.170	5810111.322	0.003	0.004	0.004	0.003	148°40'04"
STN30	327303.305	5810178.514	0.003	0.003	0.004	0.002	20°15'51"

The benefits....

FULLY SUPPORTING BOTH...

horizontal and vertical adjustments.

AUTOMATIC EXTRACTION FROM DATA COLLECTOR...

for fast, accurate retrieval of observations to be adjusted.

MODIFY THE STANDARD DEVIATIONS...

by entering the centering and target errors.

COMPREHENSIVE REPORTING...

of all major adjustment processes.

AUTOMATICALLY UPDATES...

adjusted points into project database

IMPORT AND EXPORT XML...

data easily into the least squares adjustment editor.