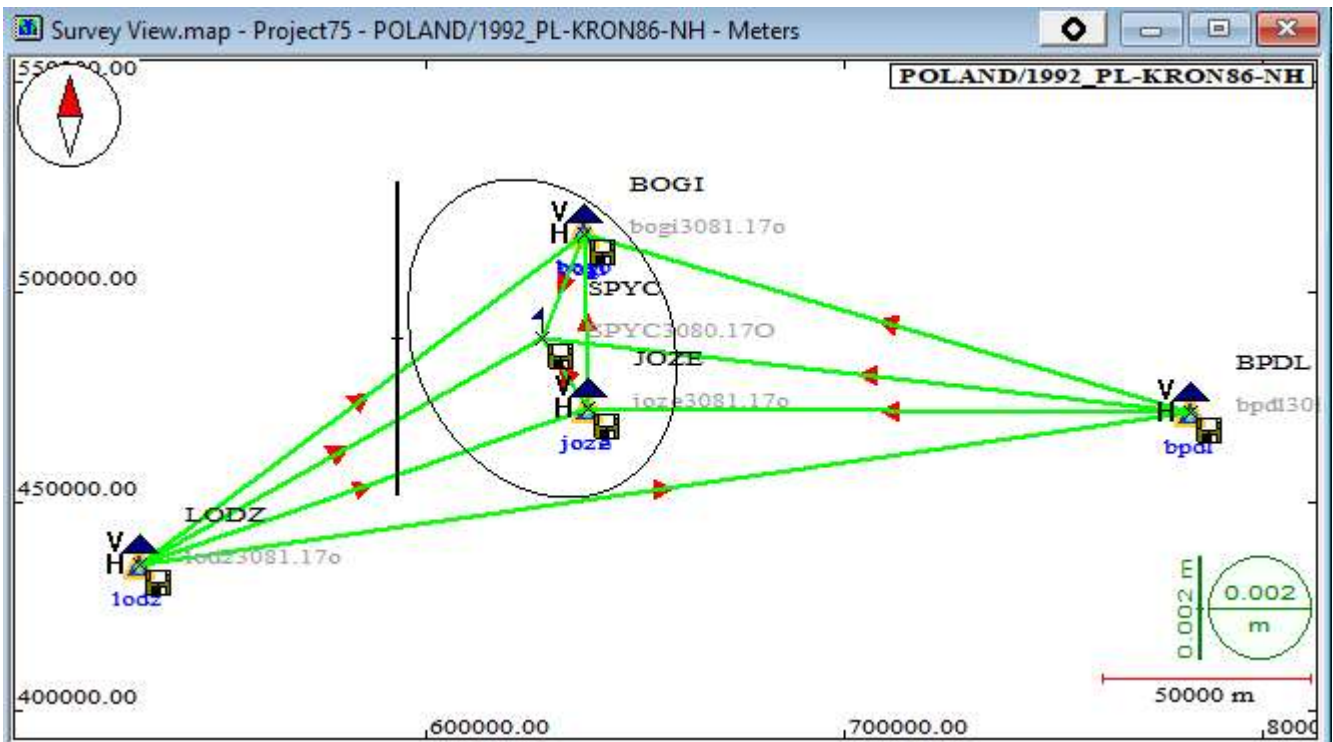


Land Survey Overview (EUREF/IGS 30 second data)

GNSS Solutions
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 2017-11-26 22:50:28
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Project Name : Project75
 Spatial Reference System : POLAND/1992_PL-KRON86-NH
 Time Zone : (UTC) Uniwersalny czas koordynowany
 Linear Units : Meters

Control Points : 4
 Reference Points : 0
 Logged Points : 1
 Target Points : 0
 Intermediate Points : 0



Control Points

Name	Components	95% Error	Status	Control Error
BOGI	East	638185.749	0.000	FIXED
	North	514071.924	0.000	FIXED
	Ortho height	109.152	0.000	FIXED
	Description	BOGI		
BPD	East	782977.460	0.000	FIXED
	North	471272.806	0.000	FIXED
	Ortho height	167.685	0.000	FIXED
	Description	BPD		
JOZE	East	639114.556	0.000	FIXED
	North	472071.341	0.000	FIXED
	Ortho height	109.901	0.000	FIXED
	Description	JOZE		
LODZ	East	531691.050	0.000	FIXED
	North	434804.678	0.000	FIXED
	Ortho height	225.820	0.000	FIXED
	Description	LODZ		

Logged Points

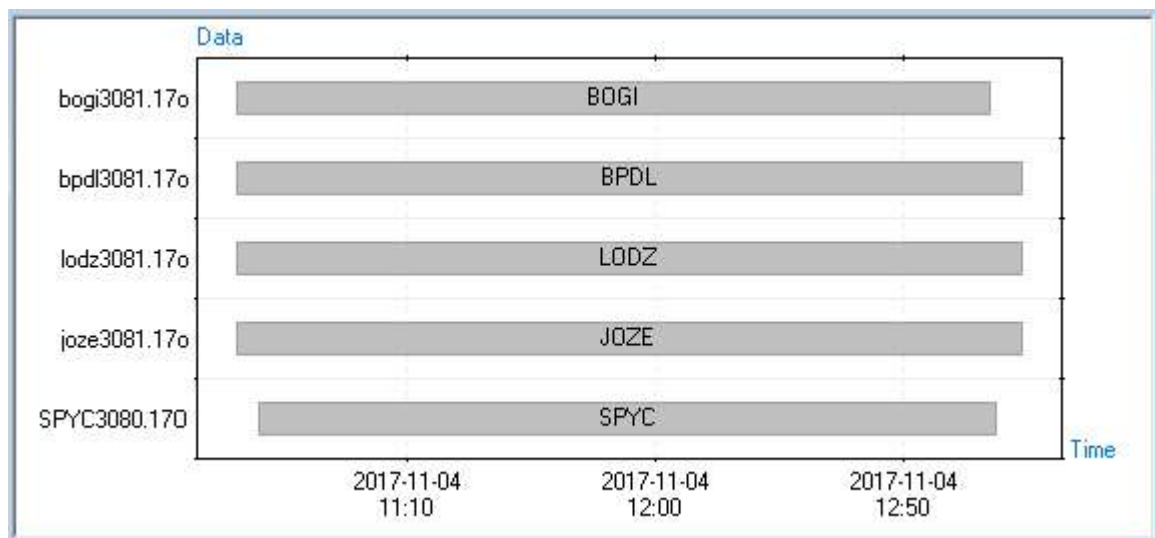
Name	Components	95% Error	Status
SPYC	East	628142.815	Adjusted
	North	488797.339	Adjusted
	Ortho height	111.809	Adjusted
Description		SPYC	

Files

Name	Start Time	Sampling	Epochs	Size (Kb)	Type
SPYC3080.170	17/11/04 10:40:00		1	8937	8254 L1 GPS/GLONASS/WAAS
bogi3081.170	17/11/04 10:35:30	30	146	431	L1/L2 GPS/GLONASS
bpd13081.170	17/11/04 10:35:30	30	319	705	L1/L2 GPS/GLONASS
lodz3081.170	17/11/04 10:35:30	30	319	813	L1/L2 GPS/GLONASS
joze3081.170	17/11/04 10:35:30	30	319	369	L1/L2 GPS

Occupations

Site	Start Time	Time span	Type	File
SPYC	4 listopad 2017 10:40:00.00	02:28:56.00	Static	SPYC3080.170
BOGI	4 listopad 2017 10:35:30.00	02:32:00.00	Static	bogi3081.170
BPDL	4 listopad 2017 10:35:30.00	02:38:30.00	Static	bpd13081.170
LODZ	4 listopad 2017 10:35:30.00	02:38:30.00	Static	lodz3081.170
JOZE	4 listopad 2017 10:35:30.00	02:38:30.00	Static	joze3081.170



Processes

Reference	Reference File	Rover	Rover File	Mode	Num
LODZ	lodz3081.170	BPDL	bpd13081.170	Static	1
LODZ	lodz3081.170	SPYC	SPYC3080.170	Static	2
LODZ	lodz3081.170	JOZE	joze3081.170	Static	3
LODZ	lodz3081.170	BOGI	bogi3081.170	Static	4
BPDL	bpd13081.170	JOZE	joze3081.170	Static	5
BPDL	bpd13081.170	SPYC	SPYC3080.170	Static	6
BPDL	bpd13081.170	BOGI	bogi3081.170	Static	7
JOZE	joze3081.170	SPYC	SPYC3080.170	Static	8
JOZE	joze3081.170	BOGI	bogi3081.170	Static	9
BOGI	bogi3081.170	SPYC	SPYC3080.170	Static	10

Processed vectors

Vector Identifier	Vector Length	95% Error	Vector Components	95% Error	SV	PDOP	QA	Solution
BOGI - SPYC	27210.487	0.133	X 22331.323	0.054	18	1.1	No	Fixed
17/11/04 10:40:00.00			Y -2935.299	0.054				
+02:27:30.00			Z -15267.830	0.053				
BPDL - BOGI	151005.484	0.745	X 17825.550	0.302	16	1.3	No	Fixed
17/11/04 10:35:30.00			Y -146936.938	0.301				
+02:32:00.00			Z 29907.225	0.304				

BPDL - SPYC	155847.914	0.759	X	40156.858	0.308	16	1.3	No	Fixed
17/11/04 10:40:00.00			Y	-149872.235	0.307				
+02:28:56.00			Z	14639.409	0.309				
BPDL - JOZE	143884.883	0.703	X	48950.366	0.286	10	1.7	No	Fixed
17/11/04 10:35:30.00			Y	-135237.202	0.286				
+02:38:30.00			Z	4197.667	0.283				
LODZ - BOGI	132838.459	0.658	X	-94786.219	0.267	16	1.3	No	Fixed
17/11/04 10:35:30.00			Y	80051.643	0.265				
+02:32:00.00			Z	47469.603	0.269				
LODZ - JOZE	113774.297	0.556	X	-63661.406	0.227	10	1.6	No	Fixed
17/11/04 10:35:30.00			Y	91751.386	0.226				
+02:38:30.00			Z	21760.034	0.224				
LODZ - SPYC	110605.599	0.539	X	-72454.912	0.218	16	1.3	No	Fixed
17/11/04 10:40:00.00			Y	77116.348	0.218				
+02:28:56.00			Z	32201.755	0.219				
LODZ - BPDL	253995.400	1.232	X	-112611.758	0.501	16	1.3	No	Fixed
17/11/04 10:35:30.00			Y	226988.586	0.501				
+02:38:30.00			Z	17562.383	0.498				
JOZE - BOGI	42031.191	0.209	X	-31124.822	0.085	10	1.5	No	Fixed
17/11/04 10:35:30.00			Y	-11699.742	0.084				
+02:32:00.00			Z	25709.580	0.086				
JOZE - SPYC	20013.508	0.097	X	-8793.496	0.039	11	1.4	No	Fixed
17/11/04 10:40:00.00			Y	-14635.041	0.039				
+02:28:56.00			Z	10441.768	0.039				

Adjusted vectors

Vector Identifier	Vector Length	Length Resid.		Vector Components	Resid.	Tau Test	QA
BOGI - SPYC	27210.488	0.007	X	22331.327	0.004		
17/11/04 10:40:00.00			Y	-2935.295	0.003		
			Z	-15267.826	0.004		
BPDL - BOGI	151005.482	0.051	X	17825.538	-0.012		
17/11/04 10:35:30.00			Y	-146936.928	0.010		
			Z	29907.273	0.048		
BPDL - SPYC	155847.908	0.041	X	40156.866	0.007		
17/11/04 10:40:00.00			Y	-149872.223	0.012		
			Z	14639.447	0.039		
BPDL - JOZE	143884.863	0.028	X	48950.363	-0.002		
17/11/04 10:35:30.00			Y	-135237.181	0.021		
			Z	4197.684	0.018		
LODZ - BOGI	132838.468	0.030	X	-94786.225	-0.006		
17/11/04 10:35:30.00			Y	80051.635	-0.009		
			Z	47469.631	0.028		
LODZ - JOZE	113774.291	0.011	X	-63661.400	0.006		
17/11/04 10:35:30.00			Y	91751.382	-0.004		
			Z	21760.042	0.008		
LODZ - SPYC	110605.598	0.053	X	-72454.898	0.014		
17/11/04 10:40:00.00			Y	77116.340	-0.009		
			Z	32201.806	0.051		
LODZ - BPDL	253995.380	0.034	X	-112611.763	-0.005		
17/11/04 10:35:30.00			Y	226988.563	-0.023		
			Z	17562.358	-0.025		
JOZE - BOGI	42031.200	0.011	X	-31124.825	-0.003		
17/11/04 10:35:30.00			Y	-11699.747	-0.005		
			Z	25709.589	0.009		
JOZE - SPYC	20013.508	0.006	X	-8793.498	-0.002		
17/11/04 10:40:00.00			Y	-14635.042	-0.002		
			Z	10441.763	-0.005		

L1/L2 post-processing is unavailable in this version

Network connectivity test: passed

Number of sites: 5

Number of vectors: 10

Adjustment type: Over constrained

Control sites Constraints

LODZ	Latitude	Longitude	Elevation
BPDL	Latitude	Longitude	Elevation
JOZE	Latitude	Longitude	Elevation
BOGI	Latitude	Longitude	Elevation

Adjustment Tests

Confidence level: 95.0%
Number of
 obs. equations 30
 unknowns 7
 degrees of freedom 23
Chi-square test: **failed**
 Lower limit: 11.688552
 Upper limit: 38.075627
 Chi-square: 0.788932
Variance of Unit Weight: 0.034301
Standard Error of Unit Weight: 0.185206
Critical value for Tau-test: 2.904903
Scale factor for a-priori vector sigmas: 1.00

Reference Ellipsoid Parameters

Equatorial radius (semi-major axis): 6378137.000
Reciprocal of flattening: 298.257223563

Adjusted Datum Bias Parameters

Bias Parameters In Geocentric Cartesian System

Rotation angle (seconds)	Value	Sigma
X	-0.039	0.017
Y	0.096	0.023
Z	-0.029	0.014
Scale correction (ppm)	-0.047	0.050

Bias Parameters In Mapping Plane Horizontal System

Rotation angle (seconds)	Value	Sigma
Northing	0.017	0.018
Easting	-0.104	0.024
Height	0.024	0.011
Scale correction (ppm)	-0.047	0.050

Ok

