





Xt is true, the datum sheet coordinate
Xd is measured, from GPS

You must fill out the NSSDA worksheet, and
calculations.

Note, all calculations should be in NAD83(CORS96)
coordinates.

$$e = \sqrt{(x_t - x_d)^2 + (y_t - y_d)^2}$$

A	B	C	D	E	F	G	H	I	J	K
Pt Number	Pt Descript	x(independent)	x(test)	diff in x	diff in x ²	y(independent)	y(test)	diff in y	diff in x ²	diff in y ²
				0	0			0	0	0
				0	0			0	0	0
				0	0			0	0	0
				0	0			0	0	0
				0	0			0	0	0
				0	0			0	0	0
				0	0			0	0	0
				0	0			0	0	0
				0	0			0	0	0
				0	0			0	0	0
				0	0			0	0	0
				0	0			0	0	0
				0	0			0	0	0
				0	0			0	0	0
				0	0			0	0	0

SUM	0
AVERAGE	0.00
RMSE	0.00
NSSDA	0.00

Fill in your observations here; corrected CORS(96)

A B C D E F G H I J K L M

A	B	C	D	E	F	G	H	I	J	K
Pt Number	Pt Descript	x(independent)	x(test)	diff in x	diff in x^2	y(independent)	y(test)	diff in y	diff in x^2	diff in $x^2 + \text{diff in } y^2$
				0	0			0	0	0
				0	0			0	0	0
				0	0			0	0	0
				0	0			0	0	0
				0	0			0	0	0
				0	0			0	0	0
				0	0			0	0	0
				0	0			0	0	0
				0	0			0	0	0
				0	0			0	0	0
				0	0			0	0	0
				0	0			0	0	0
				0	0			0	0	0
				0	0			0	0	0
				0	0			0	0	0
				0	0			0	0	0
									SUM	0
									AVERAGE	0.00
									RMSE	0.00
									NSSDA	0.00

Fill in the CORS(96) data from NGS Sheet here

A	B	C	D	E	F	G	H	I	J	K	L
A	B	C	D	E	F	G	H	I	J	K	
Pt Number	Pt Descript	x(independent)	x(test)	diff in x	diff in x^2	y(independent)	y(test)	diff in y	diff in x^2	diff in $x^2 + \text{diff in } y^2$	
				0	0			0	0	0	
				0	0			0	0	0	
				0	0			0	0	0	
				0	0			0	0	0	
				0	0			0	0	0	
				0	0			0	0	0	
				0	0			0	0	0	
				0	0			0	0	0	
				0	0			0	0	0	
				0	0			0	0	0	
				0	0			0	0	0	
				0	0			0	0	0	
				0	0			0	0	0	
				0	0			0	0	0	
				0	0			0	0	0	
				0	0			0	0	0	
				0	0			0	0	0	
				0	0			0	0	0	
				0	0			0	0	0	
				0	0			0	0	0	
				0	0			0	0	0	
				0	0			0	0	0	
				0	0			0	0	0	
				0	0			0	0	0	
										SUM	0
										AVERAGE	0.00
										RMSE	0.00
										NSSDA	0.00

One row for every Base Point observation



NGS Base Points Accuracy Check

ESPM 5295

Sept. 16, 2014



Analysis: NSSDA

Point number	Point description	x (independent)	x (test)	diff in x	(diff in x) ²	y (independent)	y (test)	diff in y	(diff in y) ²	(diff in x) ² + (diff in y) ²
A	At Intersection	485269	485268.38	0.62	0.3844	4982032	4982031.396	0.604	0.364816	0.749216
A2	At Intersection	485269	485268.552	0.448	0.200704	4982032	4982031.462	0.538	0.289444	0.490148
B	Wet	485330	485329.432	0.568	0.322624	4982032	4982031.5	0.5	0.25	0.572624
C	4th Field	485421	485420.828	0.174	0.030276	4982032	4982031.581	0.419	0.175561	0.205837
C2	4th Field	485421	485420.773	0.227	0.051529	4982032	4982031.553	0.447	0.199809	0.251338
D	Close to Prior	485573	485573.181	-0.181	0.032761	4982031	4982031.658	-0.658	0.432964	0.465725
									sum	2.734887999
									average	0.455814667
									RMSE	0.675140479
									NSSDA	1.168533141