

Town of Plymouth Data Sheet

Station:	Point 162	LUNN'S WAY		NGS PID#		ID#																													
Town:	Plymouth		Quad: Sag.																																
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly																														
(Survey Ft)	2766144.346	906584.330	(Survey Ft)	305475.063	850282.068																														
(meters)	843122.483	276327.456	(meters)	93108.985	259166.493																														
						Order																													
Elevation	Vert. Datum f/m	Order	Stamping:																																
NAVD88	83.231/25.369		Sketch																																
NAVD29	84.068/25.624		Recov. Date:	April 7, 2010																															
Marked by:	CB/Dh																																		
Description:																																			
Reference Marks:																																			
Azimuth Data:																																			
Geodetic:	FILE: 50370970.100 000091145 NGS OPUS SOLUTION REPORT ===== All computed coordinate accuracies are listed as peak-to-peak values. For additional information: http://www.ngs.noaa.gov/OPUS/about.html#accuracy USER: rfirth@townhall.plymouth.ma.us DATE: April 12, 2010 RINEX FILE: 5037097n.100 TIME: 12:34:06 UTC SOFTWARE: page5 0909.08 master23.pl 081023 START: 2010/04/07 13:14:00 EPHEMERIS: igr15783.eph [rapid] STOP: 2010/04/07 18:57:00 NAV FILE: brdc0970.10n OBS USED: 12102 / 12322 : 98% ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 38 / 39 : 97% ARP HEIGHT: 1.45999200 OVERALL RMS: 0.010(m) REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000) ITRF00 (EPOCH:2010.2649) <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">X: 1582324.028(m) 0.017(m)</td> <td style="width: 50%;">1582323.265(m) 0.017(m)</td> </tr> <tr> <td>Y: -4488520.712(m) 0.055(m)</td> <td>-4488519.271(m) 0.055(m)</td> </tr> <tr> <td>Z: 4231941.246(m) 0.023(m)</td> <td>4231941.178(m) 0.023(m)</td> </tr> <tr> <td>LAT: 41 50 4.97747 0.021(m)</td> <td>41 50 5.01069 0.021(m)</td> </tr> <tr> <td>E LON: 289 25 8.11935 0.011(m)</td> <td>289 25 8.10893 0.011(m)</td> </tr> <tr> <td>W LON: 70 34 51.88065 0.011(m)</td> <td>70 34 51.89107 0.011(m)</td> </tr> <tr> <td>EL HGT: -2.937(m) 0.058(m)</td> <td>-4.184(m) 0.058(m)</td> </tr> <tr> <td colspan="2">ORTHO HGT: 25.369(m) 0.059(m) [NAVD88 (Computed using GEOID09)]</td> </tr> </table> UTM COORDINATES STATE PLANE COORDINATES <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; text-align: center;">UTM (Zone 19)</td> <td style="width: 50%; text-align: center;">SPC (2001 MA M)</td> </tr> <tr> <td>Northing (Y) [meters]</td> <td>4632633.500 843122.483</td> </tr> <tr> <td>Easting (X) [meters]</td> <td>368718.712 276327.456</td> </tr> <tr> <td>Convergence [degrees]</td> <td>-1.05470404 0.61726629</td> </tr> <tr> <td>Point Scale</td> <td>0.99981208 0.99998483</td> </tr> <tr> <td>Combined Factor</td> <td>0.99981254 0.99998529</td> </tr> </table>							X: 1582324.028(m) 0.017(m)	1582323.265(m) 0.017(m)	Y: -4488520.712(m) 0.055(m)	-4488519.271(m) 0.055(m)	Z: 4231941.246(m) 0.023(m)	4231941.178(m) 0.023(m)	LAT: 41 50 4.97747 0.021(m)	41 50 5.01069 0.021(m)	E LON: 289 25 8.11935 0.011(m)	289 25 8.10893 0.011(m)	W LON: 70 34 51.88065 0.011(m)	70 34 51.89107 0.011(m)	EL HGT: -2.937(m) 0.058(m)	-4.184(m) 0.058(m)	ORTHO HGT: 25.369(m) 0.059(m) [NAVD88 (Computed using GEOID09)]		UTM (Zone 19)	SPC (2001 MA M)	Northing (Y) [meters]	4632633.500 843122.483	Easting (X) [meters]	368718.712 276327.456	Convergence [degrees]	-1.05470404 0.61726629	Point Scale	0.99981208 0.99998483	Combined Factor	0.99981254 0.99998529
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To convert meters to US survey feet
Multiply by 3.280833333

	US NATIONAL GRID DESIGNATOR: 19TCG6871832633(NAD 83)			
	BASE STATIONS USED			
	PID	DESIGNATION	LATITUDE	LONGITUDE DISTANCE(m)
	DI0966	XMTS MTS FOX COOP CORS ARP	N420350.018	W0711501.669 61061.9
	DI0876	ACU5 ACUSHNET 5 CORS ARP	N414436.796	W0705313.027 27367.3
	DI0884	ACU6 ACUSHNET 6 CORS ARP	N414435.676	W0705311.720 27352.1
	NEAREST NGS PUBLISHED CONTROL POINT			
	LW5800	10311	N415032.828	W0703418.508 1154.5
	This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.			
Grid Azimuth:				



To convert meters to US survey feet
Multiply by 3.280833333