

Town of Plymouth Data Sheet

Station:	Point 144	Alerton/Samo set		NGS PID#		ID#																											
Town:	Plymouth		Quad: Plym																														
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly																												
(Survey Ft)	2811085.07681	881377.68675	(Survey Ft)	350415.87659	825076.17673																												
(meters)	856820.44505	268644.45621	(meters)	106806.9728	251483.72163																												
						Order																											
Elevation	Vert. Datum f/m	Order	Stamping:																														
NAVD88	54.954/16.750		Sketch																														
NAVD29	55.78/17.001		Recov. Date:	August 27, 2008																													
Marked by:	P-Bound																																
Description:	P-Bound at the intersection Alerton and Samoset Street																																
Reference Marks:																																	
Azimuth Data:																																	
Geodetic:	FILE: 50372400.080 000424683 NGS OPUS SOLUTION REPORT ===== All computed coordinate accuracies are listed as peak-to-peak values. For additional information: www.ngs.noaa.gov/OPUS/Using_OPUS.html#accuracy USER: rfirth@townhall.plymouth.ma.us DATE: September 03, 2008 RINEX FILE: 5037240m.080 TIME: 12:27:22 UTC SOFTWARE: page5 0612.06 master23.pl START: 2008/08/27 12:58:00 EPHEMERIS: igr14943.eph [rapid] STOP: 2008/08/27 19:05:30 NAV FILE: brdc2400.08n OBS USED: 9314 / 12287 : 76% ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 80 / 87 : 92% ARP HEIGHT: 1.588008 OVERALL RMS: 0.023(m) REF FRAME: NAD_83(CORS96)(EPOCH:2002.00000) ITRF00 (EPOCH:2008.6548) <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">X: 1572154.785(m) 0.028(m)</td> <td style="width: 50%;">1572154.047(m) 0.028(m)</td> </tr> <tr> <td>Y: -4482338.023(m) 0.023(m)</td> <td>-4482336.582(m) 0.023(m)</td> </tr> <tr> <td>Z: 4242189.826(m) 0.031(m)</td> <td>4242189.754(m) 0.031(m)</td> </tr> <tr> <td>LAT: 41 57 31.48692 0.009(m)</td> <td>41 57 31.51994 0.009(m)</td> </tr> <tr> <td>E LON: 289 19 40.91454 0.024(m)</td> <td>289 19 40.90501 0.024(m)</td> </tr> <tr> <td>W LON: 70 40 19.08546 0.024(m)</td> <td>70 40 19.09499 0.024(m)</td> </tr> <tr> <td>EL HGT: -11.514(m) 0.044(m)</td> <td>-12.755(m) 0.044(m)</td> </tr> <tr> <td>ORTHO HGT: 16.750(m) 0.051(m) [NAVD88 (Computed using GEOID03)]</td> <td></td> </tr> </table> UTM COORDINATES STATE PLANE COORDINATES UTM (Zone 19) *** NOTE *** <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Northing (Y) [meters] 4646547.789</td> <td style="width: 50%;">Please manually select</td> </tr> <tr> <td>Easting (X) [meters] 361440.050</td> <td>SPC zone.</td> </tr> <tr> <td>Convergence [degrees] -1.11804762</td> <td></td> </tr> <tr> <td>Point Scale 0.99983624</td> <td></td> </tr> <tr> <td>Combined Factor 0.00000000</td> <td></td> </tr> </table>							X: 1572154.785(m) 0.028(m)	1572154.047(m) 0.028(m)	Y: -4482338.023(m) 0.023(m)	-4482336.582(m) 0.023(m)	Z: 4242189.826(m) 0.031(m)	4242189.754(m) 0.031(m)	LAT: 41 57 31.48692 0.009(m)	41 57 31.51994 0.009(m)	E LON: 289 19 40.91454 0.024(m)	289 19 40.90501 0.024(m)	W LON: 70 40 19.08546 0.024(m)	70 40 19.09499 0.024(m)	EL HGT: -11.514(m) 0.044(m)	-12.755(m) 0.044(m)	ORTHO HGT: 16.750(m) 0.051(m) [NAVD88 (Computed using GEOID03)]		Northing (Y) [meters] 4646547.789	Please manually select	Easting (X) [meters] 361440.050	SPC zone.	Convergence [degrees] -1.11804762		Point Scale 0.99983624		Combined Factor 0.00000000	
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To convert meters to US survey feet
Multiply by 3.280833333

	US NATIONAL GRID DESIGNATOR: 19TCG6144046548(NAD 83)			
	BASE STATIONS USED			
	PID	DESIGNATION	LATITUDE	LONGITUDE DISTANCE(m)
	AF9520	WES2 WESTFORD CORS ARP	N423647.975	W0712935.968 99376.9
	DF9215	ZBW1 BOSTON WAAS 1 CORS ARP	N424408.559	W0712849.518 109021.7
	DI0876	ACU5 ACUSHNET 5 CORS ARP	N414436.796	W0705313.027 29832.9
	NEAREST NGS PUBLISHED CONTROL POINT			
	LW1546	D 43	N415736.	W0704012. 214.5
	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