

Town of Plymouth Data Sheet

Station:	Point 158	Pimental		NGS PID#		ID#																
Town:	Plymouth		Quad: Plym																			
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly																	
(Survey Ft)	2800837.661	870300.501	(Survey Ft)	340168.718	813998.879																	
(meters)	853697.026	265268.123	(meters)	103683.633	248107.354																	
						Order																
Elevation	Vert. Datum f/m	Order	Stamping:																			
NAVD88	167.979/51.20		Sketch																			
NAVD29	168.792/51.448		Recov. Date:	Oct 21, 2009																		
Marked by:	CB/Dh																					
Description:	CB/Dh on Pimental																					
Reference Marks:																						
Azimuth Data:																						
Geodetic:	<p>FILE: 50372940.09o 000133222 2005 NOTE: The IGS precise and IGS rapid orbits were not available 2005 at processing time. The IGS ultra-rapid orbit was/will be used to 2005 process the data. 2005</p> <p style="text-align: center;">NGS OPUS SOLUTION REPORT =====</p> <p>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: October 22, 2009 RINEX FILE: 5037294m.09o TIME: 11:22:08 UTC SOFTWARE: page5 0909.08 master50.pl 081023 START: 2009/10/21 12:35:00 EPHEMERIS: igu15543.eph [ultra-rapid] STOP: 2009/10/21 19:10:00 NAV FILE: brdc2940.09n OBS USED: 13336 / 13680 : 97% ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 41 / 49 : 84% ARP HEIGHT: 1.61848800 OVERALL RMS: 0.011(m) REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000) ITRF00 (EPOCH:2009.8045) X: 1569632.150(m) 0.088(m) 1569631.394(m) 0.088(m) Y: -4485438.346(m) 0.019(m) -4485436.906(m) 0.019(m) Z: 4239913.431(m) 0.027(m) 4239913.362(m) 0.027(m) LAT: 41 55 51.29066 41 55 51.32384 0.013(m) E LON: 289 17 13.05302 289 17 13.04270 0.087(m) W LON: 70 42 46.94698 70 42 46.95730 0.087(m) EL HGT: 22.824(m) 0.030(m) 21.581(m) 0.030(m) ORTHO HGT: 51.200(m) 0.039(m) [NAVD88 (Computed using GEOID03)]</p> <table style="width: 100%; border: none;"> <thead> <tr> <th></th> <th style="text-align: center;">UTM COORDINATES</th> <th style="text-align: center;">STATE PLANE COORDINATES</th> </tr> <tr> <th></th> <th style="text-align: center;">UTM (Zone 19)</th> <th style="text-align: center;">SPC (2001 MA M)</th> </tr> </thead> <tbody> <tr> <td>Northing (Y) [meters]</td> <td style="text-align: center;">4643524.728</td> <td style="text-align: center;">853697.026</td> </tr> <tr> <td>Easting (X) [meters]</td> <td style="text-align: center;">357974.379</td> <td style="text-align: center;">265268.123</td> </tr> <tr> <td>Convergence [degrees]</td> <td style="text-align: center;">-1.14490313</td> <td style="text-align: center;">0.52862304</td> </tr> </tbody> </table>								UTM COORDINATES	STATE PLANE COORDINATES		UTM (Zone 19)	SPC (2001 MA M)	Northing (Y) [meters]	4643524.728	853697.026	Easting (X) [meters]	357974.379	265268.123	Convergence [degrees]	-1.14490313	0.52862304
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To convert meters to US survey feet
Multiply by 3.280833333

	Point Scale	0.99984821	0.99997557
	Combined Factor	0.99984463	0.99997199
	US NATIONAL GRID DESIGNATOR: 19TCG5797443524(NAD 83)		
	BASE STATIONS USED		
	PID	DESIGNATION	LATITUDE LONGITUDE DISTANCE(m)
	DI0966	XMTS MTS FOX COOP CORS ARP	N420350.018 W0711501.669 46913.8
	DI0876	ACU5 ACUSHNET 5 CORS ARP	N414436.796 W0705313.027 25332.3
	DI0884	ACU6 ACUSHNET 6 CORS ARP	N414435.676 W0705311.720 25343.6
	NEAREST NGS PUBLISHED CONTROL POINT		
	LW4619	160 L MAGS 1941	N415554.047 W0704210.596 840.6
	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
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