

Town of Plymouth Data Sheet

Station:	Point 202	Long Beach 2		NGS PID#		ID#																														
Town:	Plymouth		Quad: Plym																																	
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly																															
(Survey Ft)	2809174.896	891916.699	(Survey Ft)	348505.564	835615.126																															
(meters)	856238.221	271856.753	(meters)	106244.708	254696.000																															
						Order																														
Elevation	Vert. Datum f/m	Order	Stamping:																																	
NAVD88	12.661/3.859		Sketch																																	
NAVD29	13.491/4.112		Recov. Date:	January 11, 2012																																
Marked by:	Drill Hole																																			
Description:																																				
Reference Marks:																																				
Azimuth Data:																																				
Geodetic:	<p>FILE: 50370110.12o OP1326317609489 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: http://www.ngs.noaa.gov/OPUS/about.html#accuracy USER: rfirth@townhall.plymouth.ma.us DATE: January 11, 2012 RINEX FILE: 50370110.12o TIME: 21:34:14 UTC SOFTWARE: page5 1108.09 master80.pl 060711 START: 2012/01/11 14:17:00 EPHEMERIS: igu16703.eph [ultra-rapid] STOP: 2012/01/11 20:47:00 NAV FILE: brdc0110.12n OBS USED: 13899 / 14033 : 99% ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 52 / 52 : 100% ARP HEIGHT: 1.28016 OVERALL RMS: 0.009(m) REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000) ITRF00 (EPOCH:2012.0293)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">X: 1575313.001(m) 0.013(m)</td> <td style="width: 50%;">1575312.211(m) 0.013(m)</td> </tr> <tr> <td>Y: -4481654.139(m) 0.031(m)</td> <td>-4481652.702(m) 0.031(m)</td> </tr> <tr> <td>Z: 4241724.552(m) 0.011(m)</td> <td>4241724.490(m) 0.011(m)</td> </tr> <tr> <td>LAT: 41 57 11.58238</td> <td>0.013(m) 41 57 11.61594 0.013(m)</td> </tr> <tr> <td>E LON: 289 22 0.14362</td> <td>0.020(m) 289 22 0.13195 0.020(m)</td> </tr> <tr> <td>W LON: 70 37 59.85638</td> <td>0.020(m) 70 37 59.86805 0.020(m)</td> </tr> <tr> <td>EL HGT: -24.343(m) 0.027(m)</td> <td>-25.587(m) 0.027(m)</td> </tr> </table> <p>ORTHO HGT: 3.859(m) 0.047(m) [NAVD88 (Computed using GEOID09)]</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;">4645872.056</td> <td style="text-align: center;">856238.221</td> </tr> <tr> <td>Easting (X) [meters]</td> <td style="text-align: center;">364633.509</td> <td style="text-align: center;">271856.753</td> </tr> <tr> <td>Convergence [degrees]</td> <td style="text-align: center;">-1.09206064</td> <td style="text-align: center;">0.58219165</td> </tr> </tbody> </table>							X: 1575313.001(m) 0.013(m)	1575312.211(m) 0.013(m)	Y: -4481654.139(m) 0.031(m)	-4481652.702(m) 0.031(m)	Z: 4241724.552(m) 0.011(m)	4241724.490(m) 0.011(m)	LAT: 41 57 11.58238	0.013(m) 41 57 11.61594 0.013(m)	E LON: 289 22 0.14362	0.020(m) 289 22 0.13195 0.020(m)	W LON: 70 37 59.85638	0.020(m) 70 37 59.86805 0.020(m)	EL HGT: -24.343(m) 0.027(m)	-25.587(m) 0.027(m)		UTM COORDINATES	STATE PLANE COORDINATES		UTM (Zone 19)	SPC (2001 MA M)	Northing (Y) [meters]	4645872.056	856238.221	Easting (X) [meters]	364633.509	271856.753	Convergence [degrees]	-1.09206064	0.58219165
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To convert meters to US survey feet
Multiply by 3.280833333

	Point Scale	0.99982548	0.99997383
	Combined Factor	0.99982930	0.99997764
	US NATIONAL GRID DESIGNATOR: 19TCG6463345872(NAD 83)		
	BASE STATIONS USED		
	PID	DESIGNATION	LATITUDE LONGITUDE DISTANCE(m)
	DE6262	URIL U OF RI COOP CORS ARP	N412920.158 W0713139.778 90543.8
	DI0876	ACU5 ACUSHNET 5 CORS ARP	N414436.796 W0705313.027 31401.5
	DI0966	XMTS MTS FOX COOP CORS ARP	N420350.018 W0711501.669 52583.4
	NEAREST NGS PUBLISHED CONTROL POINT		
	LW4622	BOX	N415721.781 W0703811.845 418.9
	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:			



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