

Town of Plymouth Data Sheet

Station:	Point 140	E. Russ Mills Rd		NGS PID#		ID#																	
Town:	Plymouth		Quad: Plym																				
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly																		
(Survey Ft)	2801756.10072	893002.74725	(Survey Ft)	341086.80918	836701.06173																		
(meters)	853976.96745	272187.78174	(meters)	103963.46737	255026.99367																		
						Order																	
Elevation	Vert. Datum f/m	Order	Stamping:																				
NAVD88	67.086/20.448		Sketch																				
NAVD29	67.91/20.70		Recov. Date:	June 3,2008																			
Marked by:	Iron Rod																						
Description:	3' Iron Rod set																						
Reference Marks:																							
Azimuth Data:																							
Geodetic:	FILE: 50371550.080 000369574 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: June 04, 2008 RINEX FILE: 5037155m.080 TIME: 18:32:24 UTC SOFTWARE: page5 0612.06 master29.pl START: 2008/06/03 12:33:00 EPHEMERIS: igr14822.eph [rapid] STOP: 2008/06/03 18:26:30 NAV FILE: brdc1550.08n OBS USED: 12373 / 12711 : 97% ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 50 / 50 : 100% ARP HEIGHT: 1.597152 OVERALL RMS: 0.016(m) REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000) ITRF00 (EPOCH:2008.4225) <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">X: 1576109.627(m) 0.004(m)</td> <td style="width: 50%;">1576108.892(m) 0.004(m)</td> </tr> <tr> <td>Y: -4482991.564(m) 0.013(m)</td> <td>-4482990.122(m) 0.013(m)</td> </tr> <tr> <td>Z: 4240051.220(m) 0.013(m)</td> <td>4240051.147(m) 0.013(m)</td> </tr> <tr> <td>LAT: 41 55 58.18478 0.001(m)</td> <td>41 55 58.21777 0.001(m)</td> </tr> <tr> <td>E LON: 289 22 13.51450 0.001(m)</td> <td>289 22 13.50516 0.001(m)</td> </tr> <tr> <td>W LON: 70 37 46.48550 0.001(m)</td> <td>70 37 46.49484 0.001(m)</td> </tr> <tr> <td>EL HGT: -7.782(m) 0.019(m)</td> <td>-9.024(m) 0.019(m)</td> </tr> <tr> <td>ORTHO HGT: 20.448(m) 0.027(m) [NAVD88 (Computed using GEOID03)]</td> <td></td> </tr> </table> UTM COORDINATES STATE PLANE COORDINATES UTM (Zone 19) *** NOTE *** Northing (Y) [meters] 4643602.437 Please manually select Easting (X) [meters] 364898.297 SPC zone. Convergence [degrees] -1.08914525 Point Scale 0.99982460 Combined Factor 0.00000000 US NATIONAL GRID DESIGNATOR: 19TCG6489843602(NAD 83)							X: 1576109.627(m) 0.004(m)	1576108.892(m) 0.004(m)	Y: -4482991.564(m) 0.013(m)	-4482990.122(m) 0.013(m)	Z: 4240051.220(m) 0.013(m)	4240051.147(m) 0.013(m)	LAT: 41 55 58.18478 0.001(m)	41 55 58.21777 0.001(m)	E LON: 289 22 13.51450 0.001(m)	289 22 13.50516 0.001(m)	W LON: 70 37 46.48550 0.001(m)	70 37 46.49484 0.001(m)	EL HGT: -7.782(m) 0.019(m)	-9.024(m) 0.019(m)	ORTHO HGT: 20.448(m) 0.027(m) [NAVD88 (Computed using GEOID03)]	
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To convert meters to US survey feet
Multiply by 3.280833333

	BASE STATIONS USED			
	PID	DESIGNATION	LATITUDE	LONGITUDE DISTANCE(m)
	DH5835	CTMA MANSFIELD CORS ARP	N414352.917	W0721238.877 133237.5
	DH5831	CTGR GROTON CORS ARP	N412007.035	W0720258.969 135665.9
	DH5837	CTPU PUTNAM CORS ARP	N415358.888	W0715320.889 104555.1
	NEAREST NGS PUBLISHED CONTROL POINT			
	LW4624	EEL RIVER CHURCH SPIRE	N415614.970	W0703747.332 519.4
	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 3.2808333333