

Town of Plymouth Data Sheet

Station:	Point 120	SLEEPY HOLLOW		NGS PID#		ID#	
Town:	Plymouth		Quad: Plym				
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly		
(Survey Ft)	2805715.485	875876.863	(Survey Ft)	345046.412	819575.293		
(meters)	855183.790	266967.802	(meters)	105170.357	249807.049		
						Order	
Elevation	Vert. Datum f/m	Order	Stamping:				
NAVD88	179.511/55.199		Sketch				
NAVD29	180.328/54.715		Recov. Date:	August14, 2009			
Marked by:	PK						
Description:	PK Set						
Reference Marks:							
Azimuth Data:							
Geodetic:	FILE: 50372260.090 000094821 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 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: August 14, 2009 RINEX FILE: 5037226m.090 TIME: 18:48:08 UTC SOFTWARE: page5 0908.13 master50.pl 081023 START: 2009/08/14 12:50:00 EPHEMERIS: igu15445.eph [ultra-rapid] STOP: 2009/08/14 17:59:00 NAV FILE: brdc2260.09n OBS USED: 9288 / 10853 : 86% ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 64 / 74 : 86% ARP HEIGHT: 1.466088 OVERALL RMS: 0.015(m) REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000) ITRF00 (EPOCH:2009.6182) X: 1570925.453(m) 0.082(m) 1570924.700(m) 0.082(m) Y: -4483946.803(m) 0.066(m) -4483945.363(m) 0.066(m) Z: 4241009.947(m) 0.049(m) 4241009.877(m) 0.049(m) LAT: 41 56 38.96290 0.036(m) 41 56 38.99604 0.036(m) E LON: 289 18 27.43659 0.082(m) 289 18 27.42641 0.082(m) W LON: 70 41 32.56341 0.082(m) 70 41 32.57359 0.082(m) EL HGT: 26.394(m) 0.077(m) 25.151(m) 0.077(m) ORTHO HGT: 54.715(m) 0.081(m) [NAVD88 (Computed using GEOID03)] UTM COORDINATES STATE PLANE COORDINATES UTM (Zone 19) SPC (2001 MA M) Northing (Y) [meters] 4644961.028 855183.790 Easting (X) [meters] 359716.530 266967.802						

To convert meters to US survey feet
Multiply by 3.2808333333

	Convergence [degrees]	-1.13138012	0.54250237
	Point Scale	0.99984216	0.99997452
	Combined Factor	0.99983802	0.99997038
	US NATIONAL GRID DESIGNATOR: 19TCG5971744961(NAD 83)		
	BASE STATIONS USED		
	PID	DESIGNATION	LATITUDE LONGITUDE DISTANCE(m)
	DE6262	URIL U OF RI COOP CORS ARP	N412920.158 W0713139.778 85956.5
	DI0964	FMTS MTS FRAM COOP CORS ARP	N421800.171 W0712630.865 73513.1
	DI0966	XMTS MTS FOX COOP CORS ARP	N420350.018 W0711501.669 48109.8
	NEAREST NGS PUBLISHED CONTROL POINT		
	LW4603	PLYMOUTH SAMOSET TANK	N415708.440 W0704052.062 1303.2
	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