

Town of Plymouth Data Sheet

Station:	Point 168	Amanda Avenue		NGS PID#		ID#	
Town:	Plymouth		Quad: Sag				
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly		
(Survey Ft)	2760635.476	900492.600	(Survey Ft)	299966.348	844190.280		
(meters)	841443.376	274470.694	(meters)	91429.926	257309.712		
						Order	
Elevation	Vert. Datum f/m	Order	Stamping:				
NAVD88	109.429/33.354		Sketch				
NAVD29	110.266/33.609		Recov. Date:	September 1,2010			
Marked by:	CB/Dh						
Description:							
Reference Marks:							
Azimuth Data:							
Geodetic:	<p>FILE: 50372440.10o 000072306 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: September 02, 2010 RINEX FILE: 5037244m.10o TIME: 15:03:16 UTC SOFTWARE: page5 0909.08 master50.pl 081023 START: 2010/09/01 12:43:00 EPHEMERIS: igu15993.eph [ultra-rapid] STOP: 2010/09/01 19:37:00 NAV FILE: brdc2440.10n OBS USED: 15667 / 15992 : 98% ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 54 / 57 : 95% ARP HEIGHT: 1.575816 OVERALL RMS: 0.015(m)</p> <p>REF FRAME: NAD_83 (CORS96) (EPOCH:2002.0000) ITRF00 (EPOCH:2010.6676) X: 1580925.645(m) 0.021(m) 1580924.876(m) 0.021(m) Y: -4490192.844(m) 0.070(m) -4490191.403(m) 0.070(m) Z: 4230710.103(m) 0.081(m) 4230710.036(m) 0.081(m) LAT: 41 49 11.19692 0.019(m) 41 49 11.23020 0.019(m) E LON: 289 23 46.88638 0.024(m) 289 23 46.87568 0.024(m) W LON: 70 36 13.11362 0.024(m) 70 36 13.12432 0.024(m) EL HGT: 4.985(m) 0.100(m) 3.737(m) 0.100(m) ORTHO HGT: 33.354(m) 0.100(m) [NAVD88 (Computed using GEOID09)]</p> <p style="text-align: center;">UTM COORDINATES STATE PLANE COORDINATES UTM (Zone 19) SPC (2001 MA M)</p> <p>Northing (Y) [meters] 4631009.553 841443.376 Easting (X) [meters] 366814.078 274470.693</p>						

To convert meters to US survey feet
Multiply by 3.2808333333

Convergence [degrees]	-1.06944933	0.60210892
Point Scale	0.99981828	0.99998652
Combined Factor	0.99981750	0.99998573
US NATIONAL GRID DESIGNATOR: 19TCG6681431009(NAD 83)		
BASE STATIONS USED		
PID	DESIGNATION	LATITUDE LONGITUDE DISTANCE(m)
DH5837	CTPU PUTNAM CORS ARP	N415358.888 W0715320.889 107104.4
DE6262	URIL U OF RI COOP CORS ARP	N412920.158 W0713139.778 85293.3
DI0966	XMTS MTS FOX COOP CORS ARP	N420350.018 W0711501.669 60102.2
NEAREST NGS PUBLISHED CONTROL POINT		
LW4497	PLYMOUTH WAREHAM 2 PLYMO COR 3	N414819.497 W0703659.888 1928.2
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