

# Town of Plymouth Data Sheet

<b>Station:</b>	Point 206	Bournehurst		NGS PID#		ID#	
<b>Town:</b>	Plymouth		Quad: Sag				
<b>NAD83</b>	<b>Northerly</b>	<b>Easterly</b>	<b>NAD 27</b>	<b>Northerly</b>	<b>Easterly</b>		
<b>(Survey Ft)</b>	2748587.269	896608.802	<b>(Survey Ft)</b>	287918.309	840306.318		
<b>(meters)</b>	837771.075	273286.910	<b>(meters)</b>	87757.676	256125.878		
						<b>Order</b>	
<b>Elevation</b>	<b>Vert. Datum f/m</b>	<b>Order</b>	<b>Stamping:</b>				
<b>NAVD88</b>	59.803/18.228		<b>Sketch</b>				
<b>NAVD29</b>	60.643/18.484		<b>Recov. Date:</b>	February 28, 2012			
<b>Marked by:</b>	CB\Dh						
<b>Description:</b>							
<b>Reference Marks:</b>							
<b>Azimuth Data:</b>							
<b>Geodetic:</b>	<pre> FILE: 50370590.12o OP1330470771454 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: <a href="http://www.ngs.noaa.gov/OPUS/about.html#accuracy">http://www.ngs.noaa.gov/OPUS/about.html#accuracy</a> USER: rfirth@townhall.plymouth.ma.us           DATE: February 28, 2012 RINEX FILE: 5037059p.12o                         TIME: 23:13:31 UTC SOFTWARE: page5 1108.09 master80.pl 060711      START: 2012/02/28 15:29:00 EPHEMERIS: igu16772.eph [ultra-rapid]          STOP: 2012/02/28 21:47:00 NAV FILE: brdc0590.12n                          OBS USED: 11269 / 12420 : 91% ANT NAME: TRM33429.00+GP NONE                  # FIXED AMB: 68 / 71 : 96% ARP HEIGHT: 1.588008                           OVERALL RMS: 0.015(m) REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000)     ITRF00 (EPOCH:2012.1606) X: 1580579.058(m) 0.039(m) 1580578.266(m) 0.039(m) Y: -4492889.019(m) 0.016(m) -4492887.580(m) 0.016(m) Z: 4227971.816(m) 0.009(m) 4227971.753(m) 0.009(m) LAT: 41 47 12.57476 0.017(m) 41 47 12.60823 0.017(m) E LON: 289 22 53.95086 0.037(m) 289 22 53.93919 0.037(m) W LON: 70 37 6.04914 0.037(m) 70 37 6.06081 0.037(m) EL HGT: -10.214(m) 0.013(m) -11.464(m) 0.013(m) ORTHO HGT: 18.228(m) 0.025(m) [NAVD88 (Computed using GEOID09)]               UTM COORDINATES             STATE PLANE COORDINATES                 UTM (Zone 19)                SPC (2001 MA M) Northing (Y) [meters]  4627373.949           837771.075 Easting (X) [meters]  365523.918           273286.910 Convergence [degrees] -1.07856465          0.59223161 </pre>						

To convert meters to US survey feet  
Multiply by 3.2808333333

Point Scale	0.99982253	0.99999048
Combined Factor	0.99982413	0.99999208
US NATIONAL GRID DESIGNATOR: 19TCG6552327373(NAD 83)		
BASE STATIONS USED		
PID	DESIGNATION	LATITUDE LONGITUDE DISTANCE(m)
DI0964	FMTS MTS FRAM COOP CORS ARP	N421800.171 W0712630.865 88875.1
DI0966	XMTS MTS FOX COOP CORS ARP	N420350.018 W0711501.669 60796.5
DH5837	CTPU PUTNAM CORS ARP	N415358.888 W0715320.889 106283.9
NEAREST NGS PUBLISHED CONTROL POINT		
LW4522	PLYMOUTH CORNER 2 1887	N414714.830 W0703737.400 726.2
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.		
<b>Grid Azimuth:</b>		



To convert meters to US survey feet  
Multiply by 3.280833333