

## Town of Plymouth Data Sheet

<b>Station:</b>	Point 191	<b>GURNET 1</b>		<b>NGS PID#</b>		<b>ID#</b>	
<b>Town:</b>	Plymouth		<b>Quad: Plym</b>				
<b>NAD83</b>	<b>Northerly</b>	<b>Easterly</b>	<b>NAD 27</b>	<b>Northerly</b>	<b>Easterly</b>		
<b>(Survey Ft)</b>	2827825.311	900591.836	<b>(Survey Ft)</b>	367155.740	844290.516		
<b>(meters)</b>	861922.879	274500.940	<b>(meters)</b>	111909.293	257340.264		
						<b>Order</b>	
<b>Elevation</b>	<b>Vert. Datum f/m</b>	<b>Order</b>	<b>Stamping:</b>				
<b>NAVD88</b>	45.873/13.982		<b>Sketch</b>				
<b>NAVD29</b>	46.709/14.237		<b>Recov. Date:</b>	August 22,2011			
<b>Marked by:</b>	SB Down 1 foot						
<b>Description:</b>	Center Stone Bound						
<b>Reference Marks:</b>							
<b>Azimuth Data:</b>							
<b>Geodetic:</b>	<p>FILE: 50372340.11o 000304727  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>WARNING, BETA PRODUCT: The results should be used with caution.  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></p> <p>USER: rfirth@townhall.plymouth.ma.us                      DATE: August 23, 2011  RINEX FILE: 50372340.11o                                      TIME: 12:26:06 UTC  SOFTWARE: page5 1108.09 master29.pl 060711              START: 2011/08/22 14:39:00  EPHEMERIS: igul6501.eph [ultra-rapid]                    STOP: 2011/08/22 19:28:30  NAV FILE: brdc2340.11n                                      OBS USED: 10994 / 11054 : 99%  ANT NAME: TRM33429.00+GP NONE                          # FIXED AMB: 36 / 36 : 100%  ARP HEIGHT: 1.905    OVERALL RMS: 0.010(m)</p> <p>REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000)            ITRF00 (EPOCH:2011.6403)  X: 1576609.524(m) 0.018(m) 1576608.740(m) 0.018(m)  Y: -4477194.946(m) 0.033(m) -4477193.509(m) 0.033(m)  Z: 4245936.885(m) 0.021(m) 4245936.823(m) 0.021(m)  LAT: 42 0 14.93678 0.007(m) 42 0 14.97033 0.007(m)  E LON: 289 23 57.55285 0.028(m) 289 23 57.54146 0.028(m)  W LON: 70 36 2.44715 0.028(m) 70 36 2.45854 0.028(m)  EL HGT: -14.079(m) 0.033(m) -15.322(m) 0.033(m)  <b>ORTHO HGT: 13.982(m) 0.057(m) [NAVD88 (Computed using GEOID09)]</b></p> <p style="text-align: center;">UTM COORDINATES              STATE PLANE COORDINATES  UTM (Zone 19)                      SPC (2001 MA M)  Northing (Y) [meters]              4651476.155                      861922.879  Easting (X) [meters]                367442.288                        274500.941</p>						

To convert meters to US survey feet  
Multiply by 3.2808333333

Convergence [degrees]	-1.07130558	0.60409919
Point Scale	0.99981622	0.99997040
Combined Factor	0.99981843	0.99997261
US NATIONAL GRID DESIGNATOR: 19TCG6744251476(NAD 83)		
BASE STATIONS USED		
PID	DESIGNATION	LATITUDE LONGITUDE DISTANCE(m)
DI0876	ACU5 ACUSHNET 5 CORS ARP	N414436.796 W0705313.027 37450.4
DE6262	URIL U OF RI COOP CORS ARP	N412920.158 W0713139.778 96021.9
DI0964	FMTS MTS FRAM COOP CORS ARP	N421800.171 W0712630.865 76906.3
NEAREST NGS PUBLISHED CONTROL POINT		
MY3952	B 1/1 S 1/1 C 1/1 OP	N420012.512 W0703600.546 86.8
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