

Town of Plymouth Data Sheet

Station:	Point 215	Clifford Rd 2		NGS PID#		ID#	
Town:	Plymouth		Quad: Plym				
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly		
(Survey Ft)	2799931.525	897601.627	(Survey Ft)	339262.177	841299.899		
(meters)	853420.836	273589.523	(meters)	103407.318	256428.722		
						Order	
Elevation	Vert. Datum f/m	Order	Stamping:				
NAVD88	34.124/10.401		Sketch				
NAVD29	34.951/10.653		Recov. Date:	April 29, 2013			
Marked by:	Galv. Spike						
Description:							
Reference Marks:							
Azimuth Data:							
Geodetic:	FILE: 50371191.130 OP1367327413803 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: http://www.ngs.noaa.gov/OPUS/about.jsp#accuracy USER: rfirth@townhall.plymouth.ma.us DATE: April 30, 2013 RINEX FILE: 5037119q.130 TIME: 13:12:10 UTC SOFTWARE: page5 1209.04 master62.pl 082112 START: 2013/04/29 16:56:00 EPHEMERIS: igu17381.eph [ultra-rapid] STOP: 2013/04/29 19:56:00 NAV FILE: brdc1190.13n OBS USED: 4027 / 5118 : 79% ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 31 / 35 : 89% ARP HEIGHT: 1.578864 OVERALL RMS: 0.019(m) REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2013.3254) X: 1577550.536(m) 0.007(m) 1577549.709(m) 0.007(m) Y: -4482880.979(m) 0.033(m) -4482879.538(m) 0.033(m) Z: 4239620.040(m) 0.043(m) 4239620.017(m) 0.043(m) LAT: 41 55 39.69216 0.011(m) 41 55 39.72699 0.011(m) E LON: 289 23 14.10559 0.007(m) 289 23 14.09249 0.007(m) W LON: 70 36 45.89441 0.007(m) 70 36 45.90751 0.007(m) EL HGT: -17.822(m) 0.053(m) -19.053(m) 0.053(m) ORTHO HGT: 10.401(m) 0.091(m) [NAVD88 (Computed using GEOID12A)] UTM COORDINATES STATE PLANE COORDINATES UTM (Zone 19) SPC (2001 MA M) Northing (Y) [meters] 4643005.690 853420.836 Easting (X) [meters] 366282.984 273589.523 Convergence [degrees] -1.07778528 0.59599231						

To convert meters to US survey feet
Multiply by 3.280833333

	Point Scale0.999820020.99997584 Combined Factor0.999822810.99997864 US NATIONAL GRID DESIGNATOR: 19TCG6628243005(NAD 83) BASE STATIONS USED PIDDESIGNATIONLATITUDELONGITUDE DISTANCE(m) XMTS54961.7 FMTS80080.2 URIL90407.6 NEAREST NGS PUBLISHED CONTROL POINT LW1539H 43N415618.W0703627.1261.8 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.
Grid Azimuth:	

To convert meters to US survey feet
Multiply by 3.280833333