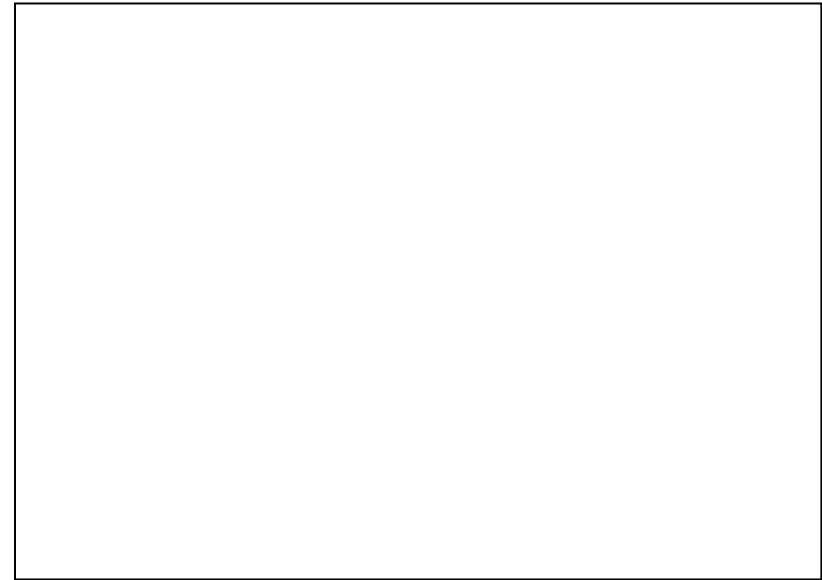


Town of Plymouth Data Sheet

Station:	Point 83	Town Cor 7 WM		NGS PID#		ID#	
Town:	Plymouth		Quad: Plympton				
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly		
(Survey Ft)	2798921.118	860028.6485	(Survey Ft)	338252.35236	803727.029		
(meters)	853112.863	262137.2564	(meters)	103099.5232	244976.4884		
						Order	
Elevation	Vert. Datum f/m	Order	Stamping:	NA			
NAVD88	135.698/41.361		Sketch				
NAVD29	136.51/41.609		Recov. Date:	Aug. 3,2006			
Marked by:	Iron Rod						
Description:	3' Iron Rod set						
Reference Marks:							
Azimuth Data:							
Geodetic:	NGS OPUS SOLUTION REPORT ===== USER: rfirth@townhall.plymouth.ma.us RINEX FILE: 5037212o.06o SOFTWARE: page5 0601.10 master2.pl EPHEMERIS: igu13861.eph [ultra-rapid] NAV FILE: brdc2120.06n ANT NAME: TRM33429.00+GP NONE ARP HEIGHT: 1.652016 REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000) X: 1566791.889(m) 0.012(m) Y: -4486816.943(m) 0.030(m) Z: 4239493.184(m) 0.032(m) LAT: 41 55 33.27115 0.008(m) E LON: 289 14 56.93789 0.001(m) W LON: 70 45 3.06211 0.001(m) EL HGT: 12.914(m) 0.045(m) ORTHO HGT: 41.361(m) 0.052(m) DATE: August 01, 2006 TIME: 11:27:38 UTC START: 2006/07/31 14:26:00 STOP: 2006/07/31 18:56:00 OBS USED: 5460 / 7661 : 71% # FIXED AMB: 50 / 51 : 98% OVERALL RMS: 0.018(m) ITRF00 (EPOCH:2006.5800) 1566791.175(m) 0.012(m) -4486815.501(m) 0.030(m) 4239493.112(m) 0.032(m) 41 55 33.30400 0.008(m) 289 14 56.92927 0.001(m) 70 45 3.07073 0.001(m) 11.678(m) 0.045(m) UTM COORDINATES UTM (Zone 19) Northing (Y) [meters] 4643032.303 Easting (X) [meters] 354828.172 Convergence [degrees] -1.17006804 Point Scale 0.99985933 Combined Factor 0.99974230 US NATIONAL GRID DESIGNATOR: 19TCG5482843032(NAD 83) STATE PLANE COORDINATES SPC (1702 LA S) 167842.145 945225.474 -0.28391262 0.99992577 0.99992951						

To convert meters to US survey feet
Multiply by 3.280833333

	BASE STATIONS USED PID DESIGNATION LATITUDE LONGITUDE DISTANCE(m) DH5837 CTPU PUTNAM CORS ARP N415358.888 W0715320.889 94480.3 DF9215 ZBW1 BOSTON WAAS 1 CORS ARP N424408.559 W0712849.518 108198.2 AI3285 NPRI NAVAL STATION NEW CORS ARP N413035.415 W0711939.125 66621.6
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To convert meters to US survey feet
 Multiply by 3.280833333