

Town of Plymouth Data Sheet

Station:	Point 90	Town Cor 4W.M.		NGS PID#		ID#	
Town:	Plymouth		Quad: Wareham				
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly		
(Survey Ft)	2755604.09187	892841.74861	(Survey Ft)	294935.1577	836539.3833		
(meters)	839909.80702	272138.70925	(meters)	89896.41588	254977.71399		
						Order	
Elevation	Vert. Datum f/m	Order	Stamping:				
NAVD88	58.871/19.944		Sketch				
NAVD29	59.71/18.199		Recov. Date:	August 8,2006			
Marked by:	Iron Rod						
Description:	3' Iron Rod set 6'						
Reference Marks:							
Azimuth Data:							
Geodetic:	NGS OPUS SOLUTION REPORT ===== USER: rfirth@townhall.plymouth.ma.us RINEX FILE: 5037220n.06o SOFTWARE: page5 0601.10 master31.pl EPHEMERIS: igr13872.eph [rapid] NAV FILE: brdc2200.06n ANT NAME: TRM33429.00+GP NONE ARP HEIGHT: 1.658112 REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000) X: 1579041.082(m) 0.042(m) Y: -4491910.371(m) 0.039(m) Z: 4229574.789(m) 0.040(m) LAT: 41 48 22.27455 0.007(m) E LON: 289 22 5.17008 0.027(m) W LON: 70 37 54.82992 0.027(m) EL HGT: -10.511(m) 0.064(m) ORTHO HGT: 17.944(m) 0.069(m) DATE: August 10, 2006 TIME: 12:19:29 UTC START: 2006/08/08 13:59:00 STOP: 2006/08/08 18:24:00 OBS USED: 7432 / 8766 : 85% # FIXED AMB: 31 / 35 : 89% OVERALL RMS: 0.019(m) ITRF00 (EPOCH:2006.6018) 1579040.368(m) 0.042(m) -4491908.928(m) 0.039(m) 4229574.716(m) 0.040(m) 41 48 22.30731 0.007(m) 289 22 5.16163 0.027(m) 70 37 54.83837 0.027(m) -11.751(m) 0.064(m) UTM COORDINATES UTM (Zone 19) Northing (Y) [meters] 4629544.894 Easting (X) [meters] 364438.750 Convergence [degrees] -1.08800914 Point Scale 0.99982614 Combined Factor 0.99992118 US NATIONAL GRID DESIGNATOR: 19TCG6443929545(NAD 83) STATE PLANE COORDINATES SPC (1301 IN E) 650162.746 157100.828 0.44688780 1.00000678 0.99997624 BASE STATIONS USED						

To convert meters to US survey feet
Multiply by 3.280833333

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DH5837	CTPU PUTNAM CORS ARP	N415358.888	W0715320.889	104916.2
DF9215	ZBW1 BOSTON WAAS 1 CORS ARP	N424408.559	W0712849.518	124739.8
AI3285	NPRI NAVAL STATION NEW CORS ARP	N413035.415	W0711939.125	66637.1
	NEAREST NGS PUBLISHED CONTROL POINT			
LW4528	PLYMOUTH CORNER 4 1889	N414822.797	W0703754.768	16.2
Grid Azimuth:				



To convert meters to US survey feet
Multiply by 3.2808333333