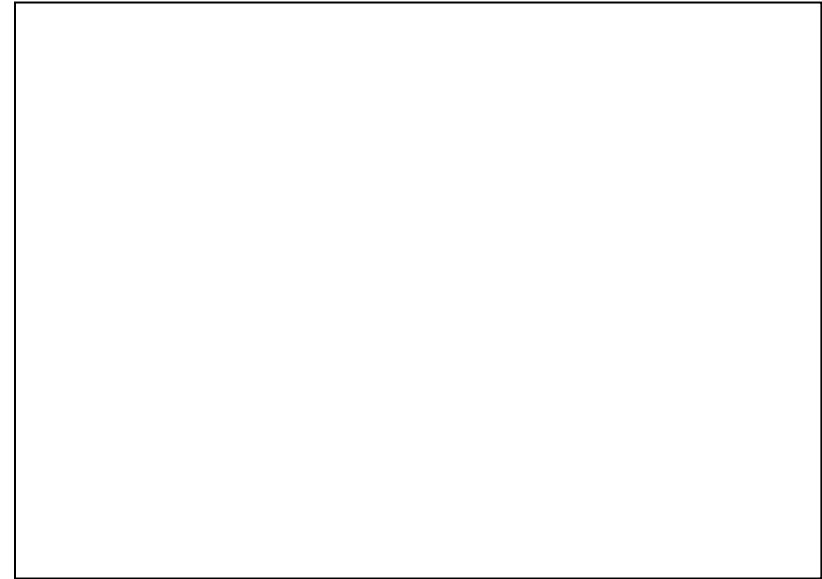


Town of Plymouth Data Sheet

Station:	Point 136	Camp Dennen		NGS PID#		ID#	
Town:	Plymouth		Quad: Sag				
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly		
(Survey Ft)	2763912.92534	911004.99323	(Survey Ft)	303243.56822	854702.68112		
(meters)	842442.34453	277674.87728	(meters)	92428.82445	260513.89823		
						Order	
Elevation	Vert. Datum f/m	Order	Stamping:				
NAVD88	35.97106/10.964		Sketch				
NAVD29	36.81/11.22		Recov. Date:	January 31, 2008			
Marked by:	Iron Rod						
Description:	3' Iron Rod set						
Reference Marks:							
Azimuth Data:							
Geodetic:	FILE: 50370310.080 000293581 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. NGS OPUS SOLUTION REPORT ===== USER: rfirth@townhall.plymouth.ma.us RINEX FILE: 50370310.080 SOFTWARE: page5 0612.06 master10.pl EPHEMERIS: igu14644.eph [ultra-rapid] NAV FILE: brdc0310.08n ANT NAME: TRM33429.00+GP NONE ARP HEIGHT: 1.627632 REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000) X: 1583738.254(m) 0.082(m) Y: -4488501.894(m) 0.227(m) Z: 4231413.980(m) 0.107(m) LAT: 41 49 42.45918 0.083(m) E LON: 289 26 6.19034 0.050(m) W LON: 70 33 53.80966 0.050(m) EL HGT: -17.333(m) 0.251(m) ORTHO HGT: 10.964(m) 0.253(m) [Geoid03 NAVD88] DATE: February 01, 2008 TIME: 13:12:32 UTC START: 2008/01/31 14:14:00 STOP: 2008/01/31 19:30:00 OBS USED: 3114 / 8721 : 36% # FIXED AMB: 55 / 74 : 74% OVERALL RMS: 0.027(m) ITRF00 (EPOCH:2008.0838) 1583737.514(m) 0.082(m) -4488500.453(m) 0.227(m) 4231413.914(m) 0.107(m) 41 49 42.49228 0.083(m) 289 26 6.18088 0.050(m) 70 33 53.81912 0.050(m) -18.573(m) 0.251(m) UTM COORDINATES UTM (Zone 19) Northing (Y) [meters] 4631914.464 Easting (X) [meters] 370045.483 Convergence [degrees] -1.04381319 Point Scale 0.99980782 Combined Factor 0.00000000 STATE PLANE COORDINATES *** NOTE *** Please manually select SPC zone.						

To convert meters to US survey feet
Multiply by 3.280833333

	US NATIONAL GRID DESIGNATOR: 19TCG7004531914(NAD 83) BASE STATIONS USED PID DESIGNATION LATITUDE LONGITUDE DISTANCE(m) DH5837 CTPU PUTNAM CORS ARP N415358.888 W0715320.889 110225.4 AF9520 WES2 WESTFORD CORS ARP N423647.975 W0712935.968 116082.6 DI0876 ACU5 ACUSHNET 5 CORS ARP N414436.796 W0705313.027 28380.1 NEAREST NGS PUBLISHED CONTROL POINT LW5802 10348 N414949.234 W0703346.364 270.8 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