

\*\*\*ITRF 00\*\*\*  
Maine Technical Source  
Woburn, Massachusetts  
WMTS

Antenna Reference Point(ARP):

ITRF00 POSITION (EPOCH 1997.0)

Computed by NGS w/ PUS on 06/21/02 w/ 10 days of data between 5/30-6/9/02

X = 1521430.981 m latitude = 42 29 0.98043 N  
Y = -4458448.192 m longitude = 71 9 28.65367 W  
Z = 4285377.704 m ellipsoid height = 8.627 m

ITRF00 VELOCITY

Predicted with HTDP

VX = -0.01726 m/yr northward = 0.00586 m/yr  
VY = -0.00188 m/yr eastward = -0.01694 m/yr  
VZ = 0.00447 m/yr upward = 0.00021 m/yr

NAD\_83 POSITION (CORS96) (EPOCH 2002.0)

Computed by NGS w/ PUS on 06/21/02 w/ 10 days of data between 5/30-6/9/02

X = 1521431.531 m latitude = 42 29 0.94915 N  
Y = -4458449.642 m longitude = 71 9 28.65141 W  
Z = 4285377.815 m ellipsoid height = 9.845 m

NAD\_83 VELOCITY

Predicted with HTDP

VX = 0.00000 m/yr northward = 0.00000 m/yr  
VY = 0.00000 m/yr eastward = 0.00000 m/yr  
VZ = 0.00000 m/yr upward = 0.00000 m/yr

L1 Phase Center of the current GPS antenna:

Trimble Permanent L1/l2

(Antenna Code = TRM23903.00

The L2 phase center is 0.0014 m below the L1 phase center.

ITRF00 POSITION (EPOCH 1997.0)

Computed by NGS w/ PUS on 06/21/02 w/ 10 days of data between 5/30-6/9/02

X = 1521431.000 m latitude = 42 29 0.98043 N  
Y = -4458448.245 m longitude = 71 9 28.65367 W  
Z = 4285377.756 m ellipsoid height = 8.704 m

The ITRF00 VELOCITY of the L1 PC is the same as that for the ARP.

NAD\_83 POSITION (CORS96) (EPOCH 2002.0)

Computed by NGS w/ PUS on 06/21/02 w/ 10 days of data between 5/30-6/9/02

X = 1521431.549 m latitude = 42 29 0.94915 N  
Y = -4458449.696 m longitude = 71 9 28.65141 W  
Z = 4285377.867 m ellipsoid height = 9.922 m

The NAD\_83 VELOCITY of the L1 PC is the same as that for the ARP.