

ITRF 00

KANSAS CTY WAAS 1 (ZKC1), KANSAS

Retrieved from NGS DataBase on 03/26/07 at 18:57:08.

Antenna Reference Point(ARP): KANSAS CTY WAAS 1 CORS ARP

PID = DF9221

ITRF00 POSITION (EPOCH 1997.0)

Computed in December, 2003 using 22 days of data.

X =	-415247.226 m	latitude	=	38 52 48.57516 N
Y =	-4954556.041 m	longitude	=	094 47 26.99096 W
Z =	3982160.867 m	ellipsoid height	=	305.452 m

ITRF00 VELOCITY

Predicted with HTDP_2.7 November 2003.

VX =	-0.0166 m/yr	northward	=	-0.0040 m/yr
VY =	-0.0014 m/yr	eastward	=	-0.0164 m/yr
VZ =	-0.0029 m/yr	upward	=	0.0003 m/yr

NAD_83 (CORS96) POSITION (EPOCH 2002.0)

Transformed from ITRF00 (epoch 1997.0) position in Dec. 2003.

X =	-415246.691 m	latitude	=	38 52 48.55019 N
Y =	-4954557.421 m	longitude	=	094 47 26.96407 W
Z =	3982160.951 m	ellipsoid height	=	306.542 m

NAD_83 (CORS96) VELOCITY

Transformed from ITRF00 velocity in Dec. 2003.

VX =	0.0000 m/yr	northward	=	0.0000 m/yr
VY =	-0.0000 m/yr	eastward	=	0.0000 m/yr
VZ =	-0.0000 m/yr	upward	=	0.0000 m/yr

L1 Phase Center of the current GPS antenna: KANSAS CTY WAAS 1 CORS L1 PC C

The WAAS L1/L2/L5 antenna

(Antenna Code = MPL_WAAS_2225NW) was installed on 03/21/07.

The L2 phase center is 0.002 m above the L1 phase center.

PID = DI4057

ITRF00 POSITION (EPOCH 1997.0)

Computed in December, 2003 using 22 days of data.

X =	-415247.259 m	latitude	=	38 52 48.57517 N
Y =	-4954556.399 m	longitude	=	094 47 26.99111 W
Z =	3982161.158 m	ellipsoid height	=	305.915 m

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

NAD_83 (CORS96) POSITION (EPOCH 2002.0)

Transformed from ITRF00 (epoch 1997.0) position in Dec. 2003.

X =	-415246.724 m	latitude	=	38 52 48.55020 N
Y =	-4954557.780 m	longitude	=	094 47 26.96422 W
Z =	3982161.242 m	ellipsoid height	=	307.004 m

| The NAD_83 (CORS96) VELOCITY of the L1 PC is the same as that for the ARP. |

- * Latitude, longitude and ellipsoid height are computed from their corresponding cartesian coordinates using dimensions for the GRS 80 ellipsoid: semi-major axis = 6,378,137.0 meters
flattening = 1/298.257222101...

- * WARNING: Mixing of antenna types can lead to errors of up to 10 cm. in height unless antenna-phase-center variation is properly modeled.

- * For additional information about the interpretation and/or derivation of these positions and velocities, consult <http://www.ngs.noaa.gov/CORS/Derivation.html>.
For additional information on the relation of the GPS antenna to other relevant points at the site and on GPS equipment, consult the link <ftp://www.ngs.noaa.gov/cors/.html/zkc1.log.txt>