

ITRF 00
JIM ELAM (JIME), OREGON

Retrieved from NGS DataBase on 08/17/11 at 11:15:01.

Antenna Reference Point (ARP): JIM ELAM CORS ARP

PID = DN2111

ITRF00 POSITION (EPOCH 1997.0)

Computed in Aug. 2011 using 14 days of data.

X = -2437364.023 m latitude = 45 31 23.22998 N
Y = -3754570.327 m longitude = 122 59 25.89738 W
Z = 4528307.712 m ellipsoid height = 53.067 m

ITRF00 VELOCITY

Predicted with HTDP_3.1 Aug. 2011.

VX = -0.0089 m/yr northward = -0.0061 m/yr
VY = 0.0013 m/yr eastward = -0.0082 m/yr
VZ = -0.0049 m/yr upward = -0.0009 m/yr

NAD_83 (CORS96) POSITION (EPOCH 2002.0)

Transformed from ITRF00 (epoch 1997.0) position in Aug. 2011.

X = -2437363.398 m latitude = 45 31 23.21180 N
Y = -3754571.514 m longitude = 122 59 25.84344 W
Z = 4528307.578 m ellipsoid height = 53.430 m

NAD_83 (CORS96) VELOCITY

Transformed from ITRF00 velocity in Aug. 2011.

VX = 0.0098 m/yr northward = 0.0085 m/yr
VY = 0.0021 m/yr eastward = 0.0071 m/yr
VZ = 0.0049 m/yr upward = -0.0015 m/yr

L1 Phase Center of the current GPS antenna: JIM ELAM CORS L1 PC C

The P/N:01018431, Rev:1, multi-GNSS, RFC->N antenna
(Antenna Code = LEIAS10 NONE) was installed on 07/06/11.
The L2 phase center is 0.005 m below the L1 phase center.

PID = DN2112

ITRF00 POSITION (EPOCH 1997.0)

Computed in Aug. 2011 using 14 days of data.

X = -2437364.052 m latitude = 45 31 23.22995 N
Y = -3754570.376 m longitude = 122 59 25.89726 W
Z = 4528307.768 m ellipsoid height = 53.147 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 Aug. 2011.

X = -2437363.427 m latitude = 45 31 23.21177 N
Y = -3754571.563 m longitude = 122 59 25.84332 W
Z = 4528307.634 m ellipsoid height = 53.510 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/Coords.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 <http://www.ngs.noaa.gov/cors/Logfiles.html>