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                         ***ITRF 00***
                  TOPEKA 6 (KST6),  KANSAS

      Retrieved from NGS DataBase on 10/30/07 at 13:45:55.
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|                                                                         |
|          Antenna Reference Point(ARP): TOPEKA 6 CORS ARP                |
|          -----------------------------------------------                |
|                         PID = DJ3673                                    |
|                                                                         |
|                                                                         |
| ITRF00 POSITION (EPOCH 1997.0)                                          |
| Computed in Oct. 2007 using 20 days of data.                            |
|     X =   -521878.317 m     latitude    =  39 02 39.69198 N             |
|     Y =  -4932932.705 m     longitude   = 096 02 20.85986 W             |
|     Z =   3996333.621 m     ellipsoid height =  302.753   m             |
|                                                                         |
| ITRF00 VELOCITY                                                         |
| Predicted with HTDP_2.9 Oct. 2007.                                      |
|     VX =  -0.0167 m/yr     northward =  -0.0045 m/yr                     |
|     VY =  -0.0014 m/yr     eastward  =  -0.0165 m/yr                     |
|     VZ =  -0.0032 m/yr     upward    =   0.0004 m/yr                     |
|                                                                         |
|                                                                         |
| NAD_83 (CORS96) POSITION (EPOCH 2002.0)                                 |
| Transformed from ITRF00 (epoch 1997.0) position in Oct. 2007.           |
|     X =   -521877.782 m     latitude    =  39 02 39.66718 N             |
|     Y =  -4932934.078 m     longitude   = 096 02 20.83172 W             |
|     Z =   3996333.698 m     ellipsoid height =  303.819   m             |
|                                                                         |
| NAD_83 (CORS96) VELOCITY                                                |
| Transformed from ITRF00 velocity in Oct. 2007.                          |
|     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: TOPEKA 6 CORS L1 PC C        |
| ----------------------------------------------------------------        |
| The Zephyr Geodetic L1/L2 +RD w/ USCG mount antenna                      |
| (Antenna Code = TRM41249USCG    SCIT) was installed on 10/01/07.         |
|         The L2 phase center is 0.012 m below the L1 phase center.        |
|                         PID = DJ3674                                    |
|                                                                         |
|                                                                         |
| ITRF00 POSITION (EPOCH 1997.0)                                          |
| Computed in Oct. 2007 using 20 days of data.                            |
|     X =   -521878.326 m     latitude    =  39 02 39.69187 N             |
|     Y =  -4932932.770 m     longitude   = 096 02 20.85994 W             |
|     Z =   3996333.670 m     ellipsoid height =  302.835   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 Oct. 2007.           |
|     X =   -521877.791 m     latitude    =  39 02 39.66707 N             |
|     Y =  -4932934.143 m     longitude   = 096 02 20.83180 W             |
|     Z =   3996333.747 m     ellipsoid height =  303.900   m             |
|                                                                         |
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| The NAD_83 (CORS96) VELOCITY of the L1 PC is the same as that for the ARP.  |
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  * 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/kst6.log.txt