DP5A Site Information Form
DUPAGE COUNTY, ILLINOIS

0. Form

Prepared by (full name) : MIKE SEMENEK
Date Prepared : 2006-06-23
Report Type : NEW
If Update:
Previous Site Log :
Modified/Added Sections :

1. Site Identification of the GNSS Monument

Site Name : HANOVER PARK COOP
Four Character ID : DP5A
Monument Inscription :
IERS DOMES Number :
CDP Number :
Monument Description : Antenna mounted on side of brick/concrete structure extending above roof.
Height of the Monument : (m)
Monument Foundation : (STEEL RODS, CONCRETE BLOCK, ROOF, etc)
Foundation Depth : (m)
Marker Description : (CHISELLED CROSS/DIVOT/BRASS NAIL/etc)
Date Installed : 2006-06-16
Geologic Characteristic : Markham, Ashkum, Varna, and Elliott soils are mapped in the Hanover Park area.
: These soils are formed in less than 20" of loess over silty clay loam glacial till.
Bedrock Type :
Bedrock Condition :
Fracture Spacing :
Fault zones nearby : YES (SANDWICH FAULT)
Activity : INACTIVE

2. Site Location Information

City or Town : Hanover Park
State or Province : Illinois
Country : USA
Tectonic Plate : North American
Approximate Position (ITRF)
X coordinate (m) : 152679.8826
Y coordinate (m) : -4745483.0885
Z coordinate (m) : 4244891.0426
Latitude (N is +) : +41 59 22.45505
Longitude (E is +) : -88 09 25.98067
Elevation (m,ellips.) : 221.432
Additional Information : Calculated Aug. 30, 2006 with OPUS using 11 days.
See http://www.ngs.noaa.gov/cgi-cors/pv_ret.prl?siteId=dp5a
for published position in NGS Database.

3. GNSS Receiver Information

3.1 Receiver Type : LEICA GRX1200PRO
Serial Number : 458309
Firmware Version : 3.0
Elevation Cutoff Setting : 10

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     Date Installed           : 2006-06-16
     Date Removed             : (CCYY-MM-DDThh:mmZ)
     Additional Information   :

3.x  Receiver Type            : (A20, from rcvr_ant.tab; see instructions)
     Satellite System         : (GPS/GLONASS/GPS+GLONASS)
     Serial Number            : (A5)
     Firmware Version         : (A11)
     Elevation Cutoff Setting : (deg)
     Date Installed           : (CCYY-MM-DDThh:mmZ)
     Date Removed             : (CCYY-MM-DDThh:mmZ)
     Temperature Stabiliz.    : (none or tolerance in degrees C)
     Additional Information   : (multiple lines)

4.   GNSS Antenna Information

4.1  Antenna Type             : LEIAT504
     Serial Number            : 102048
     Antenna Reference Point  : BPA
     Marker->ARP Up Ecc. (m)  : 0.0000
     Marker->ARP North Ecc(m) : 0.0000
     Marker->ARP East Ecc(m)  : 0.0000

     Alignment from True N    : (deg; + is clockwise/east)
     Antenna Radome Type      : LEIS
     Radome Serial Number     :
     Antenna Cable Type       : TIMES MICROWAVE LMR400
     Antenna Cable Length     : 15 M
     Date Installed           : 2006-06-16
     Date Removed             : (CCYY-MM-DDThh:mmZ)
     Additional Information   :

4.x  Antenna Type             : (A20, from rcvr_ant.tab; see instructions)
     Serial Number            : (A*, but note the first A5 is used in SINEX)
     Antenna Reference Point  : (BPA/BCR/XXX from "antenna.gra"; see instr.)
     Marker->ARP Up Ecc. (m)  : (F8.4)
     Marker->ARP North Ecc(m) : (F8.4)
     Marker->ARP East Ecc(m)  : (F8.4)
     Alignment from True N    : (deg; + is clockwise/east)
     Antenna Radome Type      : (A4 from rcvr_ant.tab; see instructions)
     Radome Serial Number     :
     Antenna Cable Type       : (vendor & type number)
     Antenna Cable Length     : (m)
     Date Installed           : (CCYY-MM-DDThh:mmZ)
     Date Removed             : (CCYY-MM-DDThh:mmZ)
     Additional Information   : (multiple lines)

5.   Surveyed Local Ties

5.x  Tied Marker Name         :
     Tied Marker Usage        :
     Tied Marker CDP Number   :
     Tied Marker DOMES Number :
     Differential Components from GNSS Marker to the tied monument (ITRS)
       dx (m)                 : (m)
       dy (m)                 : (m)
       dz (m)                 : (m)
     Accuracy (mm)            : (mm)
     Survey method            :
     Date Measured            :
     Additional Information   :
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6. Frequency Standard

6.1 Standard Type :
Input Frequency :
Effective Dates :
Notes :

7. Collocation Information

7.1 Instrumentation Type : NA
Status : NA
Effective Dates :
Notes :

8. Meteorological Instrumentation

8.1.1 Humidity Sensor Model : NA

8.2.1 Pressure Sensor Model : NA

8.3.1 Temp. Sensor Model : NA

8.4.1 Water Vapor Radiometer : NA

8.5.1 Other Instrumentation :

9. Local Ongoing Conditions Possibly Affecting Computed Position

9.1.1 Radio Interferences : NA
Observed Degradations :
Effective Dates :
Additional Information :

9.2.1 Multipath Sources : NONE NOTED

9.3.1 Signal Obstructions : NA
Effective Dates :
Additional Information :

10. Local Episodic Effects Possibly Affecting Data Quality

10.1 Date : NA
Event :

11. On-Site, Point of Contact Agency Information

Agency : DUPAGE COUNTY / GIS DIVISION
Mailing Address : 421 N COUNTY FARM ROAD WHEATON, IL 60187-3989
Primary Contact
Contact Name : Mike Semenek
Telephone (primary) : 630 407 5055
Fax : 630 407 5201
E-mail : BENCHMARKS@DUPAGECO.ORG
Secondary Contact
Contact Name : BILL FAEDTKE
Telephone (primary) : 630 407 5033
E-mail : GIS@DUPAGECO.ORG

12. Responsible Agency (if different from 11.)

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Agency                    :
Preferred Abbreviation    : (A10)
Mailing Address           :
                          :
                          :

Primary Contact
  Contact Name            :
  Telephone (primary)     :
  Telephone (secondary)   :
  Fax                     :
  E-mail                  :
Secondary Contact
  Contact Name            :
  Telephone (primary)     :
  Telephone (secondary)   :
  Fax                     :
  E-mail                  :
Additional Information    :
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13. More Information

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Primary Data Center       : WWW.DUPAGECO.ORG
URL for More Information  :
Hardcopy on File
  Site Map                : (Y)
  Site Diagram            : (Y)
  Horizon Mask            : (Y)
  Monument Description    : (Y)
  Site Pictures           : (URL)
Additional Information    :

Antenna Graphics with Dimensions:
 See http://www.ngs.noaa.gov/ANTCAL
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