

0. Form

Prepared by (full name) : cors-adm
Date Prepared : 2015-03-24
Report Type : UPDATE
If Update:
Previous Site Log : dp5a_20130814.log
Modified/Added Sections : 1 2 11

1. Site Identification of the GNSS Monument

Site Name : Hanover Park Coop
Four Character ID : DP5A
Monument Inscription :
IERS DOMES Number : (A9)
CDP Number : (A4)
Monument Description : Steel Pipe
Height of the Monument : (m)
Monument Foundation : Side of roof
Foundation Depth : (m)
Marker Description : Antenna mounted on side of brick/concrete
: structure extending above roof.
Date Installed : 2006-06-16T00:00Z
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 : (IGNEOUS/METAMORPHIC/SEDIMENTARY)
Bedrock Condition : (FRESH/JOINTED/WEATHERED)
Fracture Spacing : (1-10 cm/11-50 cm/51-200 cm/over 200 cm)
Fault zones nearby : YES - Sandwich Fault
Distance/activity : inactive
Additional Information : (multiple lines)

2. Site Location Information

City or Town : Hanover Park
State or Province : Illinois
Country : United States
Tectonic Plate : North American
Approximate Position (ITRF)
X coordinate (m) : 152679.753
Y coordinate (m) : -4745483.074
Z coordinate (m) : 4244891.035
Latitude (N is +) : +415922.46
Longitude (E is +) : -0880925.99
Elevation (m,ellips.) : 221.4
Additional Information : ARP IGS08 POSITION (EPOCH 2005.00)
: Computed in Aug 2011 using data through gpswk
: 1631.

3. GNSS Receiver Information

- 3.1 Receiver Type : LEICA GRX1200PRO
Satellite System : GPS
Serial Number : 458309
Firmware Version : 3.0
Elevation Cutoff Setting : 10 deg
Date Installed : 2006-06-16
Date Removed : 2009-01-01
Temperature Stabiliz. : (none or tolerance in degrees C)
Additional Information : (multiple lines)
- 3.2 Receiver Type : LEICA GRX1200PRO
Satellite System : GPS
Serial Number : 458309
Firmware Version : 6.00/2.125
Elevation Cutoff Setting : 10 deg
Date Installed : 2009-01-01
Date Removed : 2009-08-06
Temperature Stabiliz. : (none or tolerance in degrees C)
Additional Information : firmware upgrade.
- 3.3 Receiver Type : LEICA GRX1200PRO
Satellite System : GPS
Serial Number : 458309
Firmware Version : 7.53
Elevation Cutoff Setting : 10 deg
Date Installed : 2009-08-06
Date Removed : 2013-04-19
Temperature Stabiliz. : (none or tolerance in degrees C)
Additional Information : firmware 6.00 pre 2009
- 3.4 Receiver Type : LEICA GR10
Satellite System : GPS
Serial Number : 1701582
Firmware Version : 2.62/6.112
Elevation Cutoff Setting : 5 deg
Date Installed : 2013-04-19
Date Removed : (CCYY-MM-DDThh:mmZ)
Temperature Stabiliz. : (none or tolerance in degrees C)
Additional Information : (multiple lines)
- 3.x Receiver Type : (A20, from rcvr_ant.tab; see instructions)
Satellite System : (GPS+GLO+GAL+BDS+QZSS+SBAS)
Serial Number : (A20, but note the first A5 is used in SINEX)
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 LEIS
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 : 2013-04-19
Additional Information : (multiple lines)
- 4.2 Antenna Type : LEIAS10 NONE
Serial Number : 12441065
Antenna Reference Point : BAM
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 : NONE
Radome Serial Number :
Antenna Cable Type : TIMES MICROWAVE LMR400
Antenna Cable Length : 15 m
Date Installed : 2013-04-19
Date Removed : (CCYY-MM-DDThh:mmZ
Additional Information : 26-APR-2013 corrected date installed
- 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 : (SLR/VLBI/LOCAL CONTROL/FOOTPRINT/etc)
 Tied Marker CDP Number : (A4)
 Tied Marker DOMES Number : (A9)
 Differential Components from GNSS Marker to the tied monument (ITRS)
 dx (m) : (m)
 dy (m) : (m)
 dz (m) : (m)
 Accuracy (mm) : (mm)
 Survey method : (GPS
 CAMPAIGN/TRILATERATION/TRIANGULATION/etc)
 Date Measured : (CCYY-MM-DDThh:mmZ)
 Additional Information : (multiple lines)

6. Frequency Standard

6.1 Standard Type : (INTERNAL or EXTERNAL H-MASER/CESIUM/etc)
 Input Frequency : (if external)
 Effective Dates : (CCYY-MM-DD/CCYY-MM-DD)
 Notes : (multiple lines)

6.x Standard Type : (INTERNAL or EXTERNAL H-MASER/CESIUM/etc)
 Input Frequency : (if external)
 Effective Dates : (CCYY-MM-DD/CCYY-MM-DD)
 Notes : (multiple lines)

7. Collocation Information

7.1 Instrumentation Type : (GPS/GLONASS/DORIS/PRARE/SLR/VLBI/TIME/etc)
 Status : (PERMANENT/MOBILE)
 Effective Dates : (CCYY-MM-DD/CCYY-MM-DD)
 Notes : (multiple lines)

7.x Instrumentation Type : (GPS/GLONASS/DORIS/PRARE/SLR/VLBI/TIME/etc)
 Status : (PERMANENT/MOBILE)
 Effective Dates : (CCYY-MM-DD/CCYY-MM-DD)
 Notes : (multiple lines)

8. Meteorological Instrumentation

8.1.1 Humidity Sensor Model :
 Manufacturer :
 Serial Number :
 Data Sampling Interval : (sec)
 Accuracy (% rel h) : (% rel h)
 Aspiration : (UNASPIRATED/NATURAL/FAN/etc)
 Height Diff to Ant : (m)
 Calibration date : (CCYY-MM-DD)
 Effective Dates : (CCYY-MM-DD/CCYY-MM-DD)
 Notes : (multiple lines)

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8.1.x Humidity Sensor Model :
    Manufacturer           :
    Serial Number          :
    Data Sampling Interval : (sec)
    Accuracy (% rel h)     : (% rel h)
    Aspiration              : (UNASPIRATED/NATURAL/FAN/etc)
    Height Diff to Ant     : (m)
    Calibration date       : (CCYY-MM-DD)
    Effective Dates        : (CCYY-MM-DD/CCYY-MM-DD)
    Notes                   : (multiple lines)

8.2.1 Pressure Sensor Model :
    Manufacturer           :
    Serial Number          :
    Data Sampling Interval : (sec)
    Accuracy                : (hPa)
    Height Diff to Ant     : (m)
    Calibration date       : (CCYY-MM-DD)
    Effective Dates        : (CCYY-MM-DD/CCYY-MM-DD)
    Notes                   : (multiple lines)

8.2.x Pressure Sensor Model :
    Manufacturer           :
    Serial Number          :
    Data Sampling Interval : (sec)
    Accuracy                : (hPa)
    Height Diff to Ant     : (m)
    Calibration date       : (CCYY-MM-DD)
    Effective Dates        : (CCYY-MM-DD/CCYY-MM-DD)
    Notes                   : (multiple lines)

8.3.1 Temp. Sensor Model   :
    Manufacturer           :
    Serial Number          :
    Data Sampling Interval : (sec)
    Accuracy                : (deg C)
    Aspiration              : (UNASPIRATED/NATURAL/FAN/etc)
    Height Diff to Ant     : (m)
    Calibration date       : (CCYY-MM-DD)
    Effective Dates        : (CCYY-MM-DD/CCYY-MM-DD)
    Notes                   : (multiple lines)

8.3.x Temp. Sensor Model   :
    Manufacturer           :
    Serial Number          :
    Data Sampling Interval : (sec)
    Accuracy                : (deg C)
    Aspiration              : (UNASPIRATED/NATURAL/FAN/etc)
    Height Diff to Ant     : (m)
    Calibration date       : (CCYY-MM-DD)
    Effective Dates        : (CCYY-MM-DD/CCYY-MM-DD)
    Notes                   : (multiple lines)

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- 8.4.1 Water Vapor Radiometer :
 - Manufacturer :
 - Serial Number :
 - Distance to Antenna : (m)
 - Height Diff to Ant : (m)
 - Calibration date : (CCYY-MM-DD)
 - Effective Dates : (CCYY-MM-DD/CCYY-MM-DD)
 - Notes : (multiple lines)
- 8.4.x Water Vapor Radiometer :
 - Manufacturer :
 - Serial Number :
 - Distance to Antenna : (m)
 - Height Diff to Ant : (m)
 - Calibration date : (CCYY-MM-DD)
 - Effective Dates : (CCYY-MM-DD/CCYY-MM-DD)
 - Notes : (multiple lines)
- 8.5.1 Other Instrumentation : (multiple lines)
- 8.5.x Other Instrumentation : (multiple lines)
- 9. Local Ongoing Conditions Possibly Affecting Computed Position
 - 9.1.1 Radio Interference : (TV/CELL PHONE ANTENNA/RADAR/etc)
 - Observed Degradations : (SN RATIO/DATA GAPS/etc)
 - Effective Dates : (CCYY-MM-DD/CCYY-MM-DD)
 - Additional Information : (multiple lines)
 - 9.1.x Radio Interference : (TV/CELL PHONE ANTENNA/RADAR/etc)
 - Observed Degradations : (SN RATIO/DATA GAPS/etc)
 - Effective Dates : (CCYY-MM-DD/CCYY-MM-DD)
 - Additional Information : (multiple lines)
 - 9.2.1 Multipath Sources : (METAL ROOF/DOME/VLBI ANTENNA/etc)
 - Effective Dates : (CCYY-MM-DD/CCYY-MM-DD)
 - Additional Information : (multiple lines)
 - 9.2.x Multipath Sources : (METAL ROOF/DOME/VLBI ANTENNA/etc)
 - Effective Dates : (CCYY-MM-DD/CCYY-MM-DD)
 - Additional Information : (multiple lines)
 - 9.3.1 Signal Obstructions : (TREES/BUILDINGS/etc)
 - Effective Dates : (CCYY-MM-DD/CCYY-MM-DD)
 - Additional Information : (multiple lines)
 - 9.3.x Signal Obstructions : (TREES/BUILDINGS/etc)
 - Effective Dates : (CCYY-MM-DD/CCYY-MM-DD)
 - Additional Information : (multiple lines)
- 10. Local Episodic Effects Possibly Affecting Data Quality

10.1 Date : (CCYY-MM-DD/CCYY-MM-DD)
Event : (TREE CLEARING/CONSTRUCTION/etc)

10.x Date : (CCYY-MM-DD/CCYY-MM-DD)
Event : (TREE CLEARING/CONSTRUCTION/etc)

11. On-Site, Point of Contact Agency Information

Agency : DuPage County / GIS Division
Preferred Abbreviation : DCOGIS
Mailing Address : 421 N County Farm Rd
: Wheaton. IL 60187-3989

Primary Contact
Contact Name : Robb Schuldt
Telephone (primary) : 630-407-5022
Telephone (secondary) :
Fax :
E-mail : robert.schuldt@dupageco.org

Secondary Contact
Contact Name : Mike Semenek
Telephone (primary) : 630-407-5055
Telephone (secondary) :
Fax :
E-mail : benchmarks@dupageco.org

Additional Information : gish@dupageco.org

12. Responsible Agency (if different from 11.)

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

Primary Contact
Contact Name :
Telephone (primary) :
Telephone (secondary) :
Fax :
E-mail :

Secondary Contact
Contact Name :
Telephone (primary) :
Telephone (secondary) :
Fax :
E-mail :

Additional Information : (multiple lines)

13. More Information

Primary Data Center : ftp://geodesy.noaa.gov/cors
Secondary Data Center : ftp://alt.ngs.noaa.gov/cors
URL for More Information : http://geodesy.noaa.gov/CORS
Hardcopy on File
 Site Map : (Y or URL)
 Site Diagram : (Y or URL)
 Horizon Mask : (Y or URL)
 Monument Description : (Y or URL)
 Site Pictures : (Y or URL)
Additional Information : (multiple lines)
Antenna Graphics with Dimensions

ftp://www.igs.org/pub/station/general/antenna.gra