

0. Form

Prepared by (full name) : ROBERT SCHULDT
Date Prepared : 2010-10-22
Report Type : NEW
If Update:
 Previous Site Log : (ssss_ccyymmdd.log)
 Modified/Added Sections : (n.n,n.n,...)

1. Site Identification of the GNSS Monument

Site Name : WOOD DALE 2
Four Character ID : DP6B
Monument Inscription :
IERS DOMES Number : (A9)
CDP Number : (A4)
Monument Description : ANTENNA MOUNTED ON SIDE OF BRICK\CONCRETE
STRUCTURE EXTENDING ABOVE ROOF.
 Height of the Monument : Approximately 5 m above ground.
 Monument Foundation : STEEL PIPE ATTACHED TO A BRICK\CONCRETE
 Foundation Depth : 3 m
Marker Description : (CHISELLED CROSS/DIVOT/BRASS NAIL/etc)
Date Installed : 2010-05-23
Geologic Characteristic : MARKHAM, ASHKUM, VARNA AND ELLIOTT SOILS ARE

ARE

FORMED IN LESS THAN 200 OF LESS 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 (DES PLAINS FAULT)
 Distance/activity : 12-18 MILES. INACTIVE
Additional Information : (multiple lines)

2. Site Location Information

City or Town : Wood Dale
State or Province : Illinois
Country : USA
Tectonic Plate : North American
Approximate Position (ITRF)
 X coordinate (m) : 167462.338
 Y coordinate (m) : -4746610.437
 Z coordinate (m) : 4243030.312
 Latitude (N is +) : +415802.39
 Longitude (E is +) : -0875845.91
 Elevation (m,ellips.) : 184.8
Additional Information : ARP ITRF00 POSITION (EPOCH 1997.0)
: Computed in Mar. 2011 using 28 days of data.
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3. GNSS Receiver Information

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3.1 Receiver Type           : LEICA GRX1200PRO
    Satellite System       : GPS
    Serial Number          : 455509
    Firmware Version       : 7.80
    Elevation Cutoff Setting : 5 deg
    Date Installed         : 2010-05-27
    Date Removed           : 2010-07-27
    Temperature Stabiliz.  : None
    Additional Information  : (multiple lines)

3.2 Receiver Type           : LEICA GRX1200+GNSS
    Satellite System       : GPS+GNSS
    Serial Number          : 455509
    Firmware Version       : 7.80
    Elevation Cutoff Setting : 5 deg
    Date Installed         : 2010-07-27
    Date Removed           : 2010-11-24
    Temperature Stabiliz.  : None
    Additional Information  : Fitted with new GNSS board

3.3 Receiver Type           : LEICA GRX1200+GNSS
    Satellite System       : GPS+GNSS
    Serial Number          : 455509
    Firmware Version       : 8.01
    Elevation Cutoff Setting : 5 deg
    Date Installed         : 2010-12-01
    Date Removed           : (CCYY-MM-DDThh:mmZ)
    Temperature Stabiliz.  : None
    Additional Information  : New Firmware

3.x Receiver Type           : (A20, from rcvr_ant.tab ; see instructions)
    Satellite System       : (GPS/GLONASS/GPS+GLONASS)
    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           : LEIAX1203+GNSS
    Serial Number          : 09480029
    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   : 0 deg
    Antenna Radome Type     : NONE
    Radome Serial Number    :
    Antenna Cable Type      : LMR400
    Antenna Cable Length    : LESS THAN 30 M
    Date Installed         : 2010-07-12
    Date Removed           : (CCYY-MM-DDThh:mmZ)
    Additional Information  : (multiple lines)

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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

5.1 Tied Marker Name : 0015
 Tied Marker Usage : LOCAL CONTROL
 Tied Marker CDP Number :
 Tied Marker DOMES Number :
 Differential Components from GNSS Marker to the tied monument (NAVD88)
 dx (m) : (NA)
 dy (m) : (NA)
 dz (m) : (NA)
 du (m) : 8.79476 m
 Accuracy (mm) : 2.5 mm
 Survey method : 2nd Order Class I leveling
 Date Measured : 2010-05-20 10:34
 Additional Information : A double run section between the CORS and
 Additional Information : 0015 was performed. Measured delta heights
 were
 Additional Information : 8.79486 m and -8.79466 m
 Additional Information : PID for this point is DK3309
 Additional Information : Published elevation for this point is 210.755
 m
 Additional Information : Datum for this point is NAVD88
 Additional Information : Corresponding elevation for CORS is 219.550 m
 Additional Information : Leveling was done in per 2nd Order CL I
 standards
 Additional Information : Leveling results based on TRANSLEV abstract
 file

5.2 Tied Marker Name : 0016
 Tied Marker Usage : LOCAL CONTROL
 Tied Marker CDP Number :
 Tied Marker DOMES Number :
 Differential Components from GNSS Marker to the tied monument (NAVD88)
 dx (m) : (NA)
 dy (m) : (NA)
 dz (m) : (NA)
 du (m) : 5.3068 m
 Accuracy (mm) : 2.5 mm
 Survey method : 2nd Order Class I leveling
 Date Measured : 2010-05-20 12:48

Additional Information : A double run section between the 0015 and
Additional Information : 0016 was performed. Measured delta heights
were
Additional Information : 5.30697 m and -5.30663 m
Additional Information : PID for this point is DK3310
Additional Information : Published elevation for this point is 216.061
m
Additional Information : Datum for this point is NAVD88
Additional Information : Leveling was done in per 2nd Order CL I
standards
Additional Information : Leveling results based on TRANSLEV abstract
file

6. Frequency Standard

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

7. Collocation Information

7.1 Instrumentation Type : N/A
Status : N/A
Effective Dates :
Notes : (multiple lines)

8. Meteorological Instrumentation

8.1.1 Humidity Sensor Model : N/A
Manufacturer :
Serial Number :
Data Sampling Interval :
Accuracy (% rel h) :
Aspiration :
Height Diff to Ant :
Calibration date :
Effective Dates :
Notes :

8.2.1 Pressure Sensor Model : N/A
Manufacturer :
Serial Number :
Data Sampling Interval :
Accuracy :
Height Diff to Ant :
Calibration date :
Effective Dates :
Notes :

8.3.1 Temp. Sensor Model : N/A
Manufacturer :
Serial Number :

Data Sampling Interval :
 Accuracy :
 Aspiration :
 Height Diff to Ant :
 Calibration date :
 Effective Dates :
 Notes :

8.4.1 Water Vapor Radiometer : N/A
 Manufacturer :
 Serial Number :
 Distance to Antenna :
 Height Diff to Ant :
 Calibration date :
 Effective Dates :
 Notes :

8.5.1 Other Instrumentation :

9. Local Ongoing Conditions Possibly Affecting Computed Position

9.1.1 Radio Interferences : N/A
 Observed Degradations :
 Effective Dates :
 Additional Information :

9.2.1 Multipath Sources : NONE NOTED
 Effective Dates : 2010-07-12
 Additional Information :

9.3.1 Signal Obstructions : N/A
 Effective Dates : 2010-07-12
 Additional Information :

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 : DU PAGE COUNTY / GIS DIVISION
 Preferred Abbreviation :
 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 : (multiple lines)

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 : www.dupageco.org
Secondary Data Center :
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
 <http://www.ngs.noaa.gov/ANTCAL>