

0. Form

Prepared by (full name) : Francine Coloma
Date Prepared : 2015-08-13
Report Type : UPDATE
If Update:
Previous Site Log : dp1a_20150324.log
Modified/Added Sections : 3.3 3.4 3.5 3.6

1. Site Identification of the GNSS Monument

Site Name : DUPAGE CNTY COOP
Four Character ID : DP1A
Monument Inscription :
IERS DOMES Number : (A9)
CDP Number : (A4)
Monument Description : ANTENNA MOUNTED ON 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 : 2003-08-14T00:00Z
Geologic Characteristic : GLACIAL TILL/BEDROCK (ORTHENTS SOILS)
Bedrock Type : SEDIMENTARY
Bedrock Condition : FRESH
Fracture Spacing : 1-10 cm
Fault zones nearby : YES - SANDWICH FAULT
Distance/activity : INACTIVE
Additional Information : (multiple lines)

2. Site Location Information

City or Town : Wheaton
State or Province : Illinois
Country : United States
Tectonic Plate : North American
Approximate Position (ITRF)
X coordinate (m) : 154176.820
Y coordinate (m) : -4754498.016
Z coordinate (m) : 4234784.124
Latitude (N is +) : +415202.57
Longitude (E is +) : -0880833.68
Elevation (m,ellips.) : 207.3
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 RS500
Satellite System : GPS
Serial Number : 80128
Firmware Version : 4.20
Elevation Cutoff Setting : 10 deg
Date Installed : 2003-08-14
Date Removed : 2008-10-30
Temperature Stabiliz. : (none or tolerance in degrees C)
Additional Information : (multiple lines)

3.2 Receiver Type : LEICA GRX1200GGPRO
Satellite System : GPS+GLO
Serial Number : 355383
Firmware Version : 6.0
Elevation Cutoff Setting : 10 deg
Date Installed : 2008-10-30
Date Removed : 2009-08-06
Temperature Stabiliz. : (none or tolerance in degrees C)
Additional Information : Firmware upgrade.

3.3 Receiver Type : LEICA GRX1200GGPRO
Satellite System : GPS+GLO
Serial Number : 355383
Firmware Version : 7.53
Elevation Cutoff Setting : 10 deg
Date Installed : 2009-08-06
Date Removed : 2010-05-13T16:00Z
Temperature Stabiliz. : (none or tolerance in degrees C)
Additional Information : (multiple lines)

3.4 Receiver Type : LEICA GRX1200GGPRO
Satellite System : GPS+GLO
Serial Number : 355383
Firmware Version : 7.80/3.019
Elevation Cutoff Setting : 10 deg
Date Installed : 2010-05-13T16:00Z
Date Removed : 2011-12-09T18:00Z
Temperature Stabiliz. : (none or tolerance in degrees C)
Additional Information : Firmware update

3.5 Receiver Type : LEICA GRX1200GGPRO
Satellite System : GPS+GLO
Serial Number : 355383
Firmware Version : 8.20/3.019
Elevation Cutoff Setting : 10 deg
Date Installed : 2011-12-09T18:00Z
Date Removed : 2014-07-25T16:21Z
Temperature Stabiliz. : (none or tolerance in degrees C)
Additional Information : Receiver change

3.6 Receiver Type : LEICA GRX1200GGPRO
Satellite System : GPS+GLO
Serial Number : 355511
Firmware Version : 8.20/3.055
Elevation Cutoff Setting : 10 deg
Date Installed : 2014-07-25T16:21Z
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 : 900
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 : PLENUM-RATED COAXIAL CABLE
Antenna Cable Length : 45 m
Date Installed : 2004-09-23
Date Removed : (CCYY-MM-DDThh:mmZ)
Additional Information : (multiple lines)

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 : gis.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>