

PRDU Site Information Form
Purdue University Cooperative CORS Station

0. Form

0.1 Prepared by: Wes Crawford
Date Prepared : January 23, 2005
Report Type : NEW
Prepared Using :

1. Site Identification of the GPS Monument

Site Name : Purdue University COOP
Four Character ID : PRDU
Monument Inscription :
IERS DOMES Number :
CDP Number :
Date Installed : 27 April 2004 17:00 UT
Geologic Characteristic: GLACIAL GRAVEL/SAND/BEDROCK
Bedrock Type: NEW ALBANY SHALE
Bedrock Condition: UNEXPOSED
Fracture Spacing: UNKNOWN AT DEPTH
Notes: Mississippian Devonian Formation with several hundred feet of overburden before reaching bedrock.

2. Site Location Information

City or Town : West Lafayette
State or Province : Indiana
Country : UNITED STATES OF AMERICA
Tectonic Plate : NORTH AMERICA
Approximate Position
X coordinate (m) : m
Y coordinate (m) : m
Z coordinate (m) : m
Latitude (deg) :
Longitude (deg) :
Elevation (m) :

Antenna is mounted on East Parapet Wall of 4 story brick building.

3. GPS Receiver Information

3.1 Receiver Type : Leica RS500
Serial Number : 0082127
Firmware Version : 5.0
Date Installed : (27 April 2004 17:30 UT)
Date Removed :

4. GPS Antenna Information

4.1 Antenna Type : Leica AT504 Pillar
Serial Number : 18009
Antenna Height (m) :
Antenna Reference Point : ARP
Degree Offset from North :
Antenna Radome Type : LEIS
Date Installed : 27 April 2004 17:30 UT 17:30 UT)
Date Removed :

5. Local Site Ties

5.x Monument Name : Purdue University
Site Ref CDP Number :
Site Ref Domes Number :
Differential Components from GPS Mark to Site Reference (ITRS)
dx (m) : (m)
dy (m) : (m)
dz (m) : (m)
Accuracy (mm) : (mm)
Date Measured :
Additional Information :

6. Frequency Standard

6.1 Standard Type :
Frequency :
Effective Dates :
Notes :

6.x Standard Type :
Frequency :
Effective Dates :
Notes :

7. Collocation Information

7.x Instrumentation Type :
Status : PERMANENT
Effective Dates :
Notes :

8. Meteorological Instrumentation

8.1 Humidity Sensor Model :
Manufacturer :
Data Frequency :

Accuracy (% rel h) : (% rel h)
Effective Dates
Notes :

8.2 Pressure Sensor Model :
Manufacturer :
Data Frequency :
Accuracy (mbar) :
Height Diff to GPS (m) :
Effective Dates :
Notes :

8.3 Temperature Sensor Model :
Manufacturer :
Data Frequency :
Accuracy (deg C) :
Effective Dates :
Notes :

8.4 Water Vapor Radiometer :
Manufacturer :
Distance to GPS (m) :
Elev Diff to GPS (m) :
Effective Dates
Notes :

8.5 Other Instrumentation :

9. On-Site, Point of Contact Agency Information

Agency : Purdue University, Dept of Building Construction Management, College of
Technology,
Mailing Address 401 N. Grant Street, West Lafayette, IN 47906 Primary Contact
Contact Name : Wes Crawford
Telephone (primary) : 765-494-2468
Telephone (secondary) : 765-743-9704
Fax : 765-4962246
E-mail : wgcrawford@purdue.edu
Secondary Contact
Contact Name : Ryan Leonard
Telephone (primary) : 708-482-8888
Telephone (secondary) :
Fax : 708-482-7171
E-mail : rleonard@karaco.com

10. Responsible Agency (if different from 9.)

Agency :

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 :

11. More Information

URL for More Information : <http://www.tech.purdue.edu/resources/gps/>
Hardcopy on File
Site Map : (Y)
Site Diagram : (Y)
Horizon Mask : (Y)
Monument Description : (Y)
Site Pictures : (Y)
Additional Information :

Antenna Graphics with Dimensions

<http://www.ngs.noaa.gov/ANTCAL/>

January 23, 2004