

0530 Site Information Form (site log)
International GPS Service
See Instructions at:
ftp://igs.cb.jpl.nasa.gov/pub/station/general/sitelog_instr.txt

0. Form

Prepared by (full name) : Simons,Heinz
Date Prepared : 2023-07-11
Report Type : UPDATE
If Update:
Previous Site Log : 0530_20230704.log
Modified/Added Sections : 2

1. Site Identification of the GNSS Monument

Site Name : MONTABAUR2
Four Character ID : 0530
Monument Inscription :
IERS DOMES Number :
CDP Number :
Monument Description : ALUMINIUM HOLDER WITH ALUMINIUM PLATE
Height of the Monument : 18
Monument Foundation : MOUNTED ON GABLE OF BUILDING
Foundation Depth :
Marker Description : CENTER OF ALUMINIUM PLATE (WINDING)
Date Installed : 2005-08-01T10:00Z
Geologic Characteristic : DEVON, LOWER DEVON
Bedrock Type : SILTSTONE, CLAY AND SANDSTONE
Bedrock Condition :
Fracture Spacing :
Fault zones nearby :
Distance/activity :
Additional Information : OWNER OF BUILDING IS POLICE STATION

2. Site Location Information

City or Town : MONTABAUR
State or Province : RHINELAND-PALATINATE
Country : GERMANY
Tectonic Plate : EURASIAN
Approximate Position (ITRF)
X coordinate (m) : 4033219.7849
Y coordinate (m) : 554680.2503
Z coordinate (m) : 4893761.3717
Latitude (N is +) : +502553.68
Longitude (E is +) : +0074950.32
Elevation (m,ellips.) : 328.924
Additional Information : ETRS89/DREF91/REALIZATION2016 (since 2016-12-01)

3. GNSS Receiver Information

- 3.1 Receiver Type : LEICA GRX1200GGPRO
Satellite System : GPS+GLO
Serial Number : 350302
Firmware Version : 5.00
Elevation Cutoff Setting : 0 DEG
Date Installed : 2007-01-29T09:00Z
Date Removed : 2007-07-31T09:44Z
Temperature Stabiliz. : NONE
Additional Information :

- 3.2 Receiver Type : LEICA GRX1200GGPRO
Satellite System : GPS+GLO
Serial Number : 350302
Firmware Version : 5.10
Elevation Cutoff Setting : 0 DEG
Date Installed : 2007-07-31T09:54Z
Date Removed : 2007-09-10T06:30Z
Temperature Stabiliz. : NONE
Additional Information :

- 3.3 Receiver Type : LEICA GRX1200PRO
Satellite System : GPS
Serial Number : 452499
Firmware Version : 5.50
Elevation Cutoff Setting : 0 DEG
Date Installed : 2007-09-10T06:36Z
Date Removed : 2009-02-06T08:50Z
Temperature Stabiliz. : NONE
Additional Information :

- 3.4 Receiver Type : LEICA GRX1200PRO
Satellite System : GPS
Serial Number : 452499
Firmware Version : 6.02
Elevation Cutoff Setting : 0 DEG
Date Installed : 2009-02-06T09:00Z
Date Removed : 2009-09-07T10:40Z
Temperature Stabiliz. : NONE
Additional Information :

- 3.5 Receiver Type : LEICA GRX1200+GNSS
Satellite System : GPS+GLO
Serial Number : 459342
Firmware Version : 7.53
Elevation Cutoff Setting : 0 DEG
Date Installed : 2009-09-07T10:50Z
Date Removed : 2010-01-27T15:30Z
Temperature Stabiliz. : NONE
Additional Information :

- 3.6 Receiver Type : LEICA GRX1200+GNSS
Satellite System : GPS+GLO
Serial Number : 452499

Firmware Version : 7.53
Elevation Cutoff Setting : 0 DEG
Date Installed : 2010-01-27T15:45Z
Date Removed : 2010-06-11T09:00Z
Temperature Stabiliz. : NONE
Additional Information :

3.7 Receiver Type : LEICA GRX1200+GNSS
Satellite System : GPS+GLO
Serial Number : 452499
Firmware Version : 8.0
Elevation Cutoff Setting : 0 DEG
Date Installed : 2010-06-11T09:30Z
Date Removed : 2012-03-09T11:20Z
Temperature Stabiliz. : NONE
Additional Information :

3.8 Receiver Type : LEICA GRX1200+GNSS
Satellite System : GPS+GLO
Serial Number : 452499
Firmware Version : 8.51/6.110
Elevation Cutoff Setting : 0 DEG
Date Installed : 2012-03-09T11:40Z
Date Removed : 2014-02-25T08:30Z
Temperature Stabiliz. : NONE
Additional Information :

3.9 Receiver Type : LEICA GR25
Satellite System : GPS+GLO
Serial Number : 1830384
Firmware Version : 2.62/6.112
Elevation Cutoff Setting : 0 DEG
Date Installed : 2014-02-25T14:00Z
Date Removed : 2016-09-27T11:40Z
Temperature Stabiliz. : NONE
Additional Information :

3.10 Receiver Type : LEICA GR25
Satellite System : GPS+GLO
Serial Number : 1830384
Firmware Version : 4.00/6.522
Elevation Cutoff Setting : 0 DEG
Date Installed : 2016-09-27T11:50Z
Date Removed : 2016-12-08T06:30Z
Temperature Stabiliz. : NONE
Additional Information :

3.11 Receiver Type : LEICA GR25
Satellite System : GPS+GLO
Serial Number : 1830384
Firmware Version : 4.02/6.522
Elevation Cutoff Setting : 0 DEG
Date Installed : 2016-12-08T06:32Z
Date Removed : 2017-01-25T09:42Z

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    Temperature Stabiliz. : NONE
    Additional Information :

3.12 Receiver Type      : LEICA GR50
    Satellite System     : GPS+GLO
    Serial Number        : 1830365
    Firmware Version     : 4.02/7.001
    Elevation Cutoff Setting : 0 DEG
    Date Installed       : 2017-01-25T09:50Z
    Date Removed        : 2017-05-16T11:51Z
    Temperature Stabiliz. : NONE
    Additional Information :

3.13 Receiver Type      : LEICA GR50
    Satellite System     : GPS+GLO
    Serial Number        : 1830365
    Firmware Version     : 4.11 / 7.102
    Elevation Cutoff Setting : 0 DEG
    Date Installed       : 2017-05-16T11:57Z
    Date Removed        : 2019-02-04T09:00Z
    Temperature Stabiliz. : NONE
    Additional Information :

3.14 Receiver Type      : LEICA GR50
    Satellite System     : GPS+GLO+GAL+BDS
    Serial Number        : 1830365
    Firmware Version     : 4.31 / 7.403
    Elevation Cutoff Setting : 0 DEG
    Date Installed       : 2019-02-04T09:17Z
    Date Removed        : 2022-10-04T09:40Z
    Temperature Stabiliz. : NONE
    Additional Information :

3.15 Receiver Type      : LEICA GR50
    Satellite System     : GPS+GLO+GAL+BDS
    Serial Number        : 1830365
    Firmware Version     : 4.60.259 / 7.811
    Elevation Cutoff Setting : 0 DEG
    Date Installed       : 2022-10-04T09:50Z
    Date Removed        :
    Temperature Stabiliz. : NONE
    Additional Information :

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)

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4. GNSS Antenna Information

4.1 Antenna Type : LEIAT503 LEIC
Serial Number : 3084
Antenna Reference Point : TOP
Marker->ARP Up Ecc. (m) : 0.1900
Marker->ARP North Ecc(m) : 0.0000
Marker->ARP East Ecc(m) : 0.0000
Alignment from True N : 0
Antenna Radome Type : LEIC
Radome Serial Number :
Antenna Cable Type : UNKNOWN
Antenna Cable Length : 30
Date Installed : 2005-07-05T12:00Z
Date Removed : 2009-09-07T05:51Z
Additional Information : ANTENNA ABSOLUTE CALIBRATED (ROBOT) BY GEO++
GMBH GARBSEN GPS-WEEK 1283

4.2 Antenna Type : LEIAT504GG NONE
Serial Number : 200838
Antenna Reference Point : BPA
Marker->ARP Up Ecc. (m) : 0.1910
Marker->ARP North Ecc(m) : 0.0000
Marker->ARP East Ecc(m) : 0.0000
Alignment from True N : 0
Antenna Radome Type : NONE
Radome Serial Number :
Antenna Cable Type : UNKNOWN
Antenna Cable Length : 30
Date Installed : 2009-09-07T10:52Z
Date Removed : 2014-02-25T08:30Z
Additional Information : ANTENNA ABSOLUTE CALIBRATED (ROBOT) BY GEO++
GMBH GARBSEN (LEIAT504GG+DFB__NONE) GPS-WEEK 1504

4.3 Antenna Type : LEIAR25.R4 LEIT
Serial Number : 725522
Antenna Reference Point : BPA
Marker->ARP Up Ecc. (m) : 0.0777
Marker->ARP North Ecc(m) : 0.0000
Marker->ARP East Ecc(m) : 0.0000
Alignment from True N : 0
Antenna Radome Type : LEIT
Radome Serial Number :
Antenna Cable Type : UNKNOWN
Antenna Cable Length : 30
Date Installed : 2014-02-25T16:00Z
Date Removed :
Additional Information : ANTENNA ABSOLUTE CALIBRATED BY
ANTENNENMESSKAMMER BONN (LEIAR25.R4_____LEIT) GPS WEEK 1730

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
Input Frequency :
Effective Dates : 2007-01-29T09:00Z
Notes : NONE
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.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.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.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.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)

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.x Other Instrumentation : (multiple lines)

9. Local Ongoing Conditions Possibly Affecting Computed Position

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

9.1.x Radio Interferences : (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 : UNKNOWN

Effective Dates :
Additional Information :

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 : UNKNOWN
Effective Dates :
Additional Information :

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

11. On-Site, Point of Contact Agency Information

Agency : LANDESAMT FUER VERMESSUNG UND
GEOBASISINFORMATION RHEINLAND-PFALZ
Preferred Abbreviation : LVERMGGEORP
Mailing Address : VON-KUHL-STRASSE 49
: 56070 KOBLENZ

Primary Contact
Contact Name : SAPOS-Team Rh1.-Pf.
Telephone (primary) : 0049261492123
Telephone (secondary) :
Fax : 0049261492492
E-mail : sapos@vermkv.rlp.de

Secondary Contact
Contact Name : SAPOS-Team Rh1.-Pf.
Telephone (primary) : 0049261492123
Telephone (secondary) :
Fax :
E-mail : volker.schneider@vermkv.rlp.de
Additional Information :

12. Responsible Agency (if different from 11.)

Agency :
Preferred Abbreviation :
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 :

13. More Information

Primary Data Center : LVERMGEORP
Secondary Data Center : LGN
URL for More Information : <http://www.lvermgeo.rlp.de>
Hardcopy on File
Site Map : Y
Site Diagram : N
Horizon Mask : N
Monument Description : Y
Site Pictures : Y
Additional Information :
Antenna Graphics with Dimensions