

0512 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) : Schneider, Volker
Date Prepared : 2023-07-06
Report Type : UPDATE
If Update:
Previous Site Log : 0512_20230706.log
Modified/Added Sections : 2

1. Site Identification of the GNSS Monument

Site Name : KOBLENZ
Four Character ID : 0512
Monument Inscription :
IERS DOMES Number :
CDP Number :
Monument Description : ALUMINIUM MAST WITH BRASS PLATE
Height of the Monument : 1.8
Monument Foundation : MOUNTED ON HIGH BUILDING TOP
Foundation Depth :
Marker Description : CENTER OF BRASS PLATE (WINDING)
Date Installed : 1996-01-02T10:00Z
Geologic Characteristic : ALLUVIAL SOIL
Bedrock Type : GRAVEL-SAND
Bedrock Condition :
Fracture Spacing :
Fault zones nearby :
Distance/activity :
Additional Information : OWNER OF BUILDING IS LOCAL FINANCIAL AUTHORITY

2. Site Location Information

City or Town : KOBLENZ
State or Province : RHINELAND-PALATINATE
Country : GERMANY
Tectonic Plate : EURASIAN
Approximate Position (ITRF)
X coordinate (m) : 4041839.0531
Y coordinate (m) : 537121.5954
Z coordinate (m) : 4888452.4509
Latitude (N is +) : +502129.84
Longitude (E is +) : +0073410.94
Elevation (m,ellips.) : 183.999
Additional Information : ETRS89/DREF91/REALIZATION2016 (since 2016-12-01)

3. GNSS Receiver Information

- 3.1 Receiver Type : LEICA SR520
Satellite System : GPS
Serial Number : 20161
Firmware Version : 5.00
Elevation Cutoff Setting : 0 DEG
Date Installed : 2005-07-14T10:00Z
Date Removed : 2007-04-23T09:30Z
Temperature Stabiliz. : NONE
Additional Information :

- 3.2 Receiver Type : LEICA SR530
Satellite System : GPS
Serial Number : 0131177
Firmware Version : 5.00
Elevation Cutoff Setting : 0 DEG
Date Installed : 2007-04-23T09:35Z
Date Removed : 2007-04-25T11:00Z
Temperature Stabiliz. : NONE
Additional Information :

- 3.3 Receiver Type : LEICA RS500
Satellite System : GPS
Serial Number : 082171
Firmware Version : 5.00
Elevation Cutoff Setting : 0 DEG
Date Installed : 2007-04-25T11:05Z
Date Removed : 2007-05-22T14:00Z
Temperature Stabiliz. : NONE
Additional Information :

- 3.4 Receiver Type : LEICA SR520
Satellite System : GPS
Serial Number : 0020161
Firmware Version : 5.00
Elevation Cutoff Setting : 0 DEG
Date Installed : 2007-05-22T14:05Z
Date Removed : 2007-06-19T09:06Z
Temperature Stabiliz. : NONE
Additional Information :

- 3.5 Receiver Type : LEICA GRX1200PRO
Satellite System : GPS
Serial Number : 0452499
Firmware Version : 4.10
Elevation Cutoff Setting : 0 DEG
Date Installed : 2007-06-19T10:32Z
Date Removed : 2007-08-13T06:55Z
Temperature Stabiliz. : NONE
Additional Information :

- 3.6 Receiver Type : LEICA GRX1200GGPRO
Satellite System : GPS+GLO
Serial Number : 350169

Firmware Version : 5.10
Elevation Cutoff Setting : 0 DEG
Date Installed : 2007-08-13T07:00Z
Date Removed : 2007-08-14T08:30Z
Temperature Stabiliz. : NONE
Additional Information :

3.7 Receiver Type : LEICA GX1230GG
Satellite System : GPS+GLO
Serial Number : 352012
Firmware Version : 5.0
Elevation Cutoff Setting : 0 DEG
Date Installed : 2007-08-14T08:35Z
Date Removed : 2007-08-30T14:00Z
Temperature Stabiliz. : NONE
Additional Information :

3.8 Receiver Type : LEICA GRX1200GGPRO
Satellite System : GPS+GLO
Serial Number : 350171
Firmware Version : 5.50
Elevation Cutoff Setting : 0 DEG
Date Installed : 2007-08-30T14:15Z
Date Removed : 2008-07-24T05:23Z
Temperature Stabiliz. : NONE
Additional Information :

3.9 Receiver Type : LEICA GRX1200GGPRO
Satellite System : GPS+GLO
Serial Number : 350161
Firmware Version : 5.50
Elevation Cutoff Setting : 0 DEG
Date Installed : 2008-07-24T05:38Z
Date Removed : 2009-02-05T15:20Z
Temperature Stabiliz. : NONE
Additional Information :

3.10 Receiver Type : LEICA GRX1200GGPRO
Satellite System : GPS+GLO
Serial Number : 350161
Firmware Version : 6.02
Elevation Cutoff Setting : 0 DEG
Date Installed : 2009-02-05T15:30Z
Date Removed : 2009-11-17T08:00Z
Temperature Stabiliz. : NONE
Additional Information :

3.11 Receiver Type : LEICA GRX1200GGPRO
Satellite System : GPS+GLO
Serial Number : 350161
Firmware Version : 7.53
Elevation Cutoff Setting : 0 DEG
Date Installed : 2009-11-17T08:30Z
Date Removed : 2010-06-15T07:25Z

Temperature Stabiliz. : NONE
Additional Information :

3.12 Receiver Type : LEICA GRX1200GGPRO
Satellite System : GPS+GLO
Serial Number : 350161
Firmware Version : 8.0
Elevation Cutoff Setting : 0 DEG
Date Installed : 2010-06-15T07:55Z
Date Removed : 2012-03-09T08:00Z
Temperature Stabiliz. : NONE
Additional Information :

3.13 Receiver Type : LEICA GRX1200GGPRO
Satellite System : GPS+GLO
Serial Number : 350161
Firmware Version : 8.51/3.019
Elevation Cutoff Setting : 0 DEG
Date Installed : 2012-03-09T08:20Z
Date Removed : 2013-08-27T10:05Z
Temperature Stabiliz. : NONE
Additional Information :

3.14 Receiver Type : LEICA GR25
Satellite System : GPS+GLO
Serial Number : 1830348
Firmware Version : 2.62/6.112
Elevation Cutoff Setting : 0 DEG
Date Installed : 2013-08-27T15:20Z
Date Removed : 2015-07-30T07:30Z
Temperature Stabiliz. : NONE
Additional Information :

3.15 Receiver Type : LEICA GR25
Satellite System : GPS+GLO
Serial Number : 1870011
Firmware Version : 3.01/6.212
Elevation Cutoff Setting : 0 DEG
Date Installed : 2015-07-30T09:00Z
Date Removed : 2016-09-26T11:30Z
Temperature Stabiliz. : NONE
Additional Information :

3.16 Receiver Type : LEICA GR25
Satellite System : GPS+GLO
Serial Number : 1870011
Firmware Version : 4.00/6.522
Elevation Cutoff Setting : 0 DEG
Date Installed : 2016-09-26T11:30Z
Date Removed : 2016-11-14T07:00Z
Temperature Stabiliz. : NONE
Additional Information :

3.17 Receiver Type : LEICA GR50

Satellite System : GPS+GLO
Serial Number : 1870304
Firmware Version : 4.00/7.001
Elevation Cutoff Setting : 0 DEG
Date Installed : 2016-11-14T07:07Z
Date Removed : 2016-12-08T06:38Z
Temperature Stabiliz. : NONE
Additional Information :

3.18 Receiver Type : LEICA GR50
Satellite System : GPS+GLO
Serial Number : 1870304
Firmware Version : 4.02/7.002
Elevation Cutoff Setting : 0 DEG
Date Installed : 2016-12-08T06:40Z
Date Removed : 2017-03-07T10:29Z
Temperature Stabiliz. : NONE
Additional Information :

3.19 Receiver Type : LEICA GR50
Satellite System : GPS+GLO
Serial Number : 1830360
Firmware Version : 4.10/7.001
Elevation Cutoff Setting : 0 DEG
Date Installed : 2017-03-07T10:34Z
Date Removed : 2017-05-16T11:19Z
Temperature Stabiliz. : NONE
Additional Information :

3.20 Receiver Type : LEICA GR50
Satellite System : GPS+GLO
Serial Number : 1830360
Firmware Version : 4.11 / 7.102
Elevation Cutoff Setting : 0 DEG
Date Installed : 2017-05-16T11:23Z
Date Removed : 2019-02-04T12:20Z
Temperature Stabiliz. : NONE
Additional Information :

3.21 Receiver Type : LEICA GR50
Satellite System : GPS+GLO+GAL+BDS
Serial Number : 1830360
Firmware Version : 4.31 / 7.403
Elevation Cutoff Setting : 0 DEG
Date Installed : 2019-02-04T12:35Z
Date Removed : 2022-10-04T06:23Z
Temperature Stabiliz. : NONE
Additional Information :

3.22 Receiver Type : LEICA GR50
Satellite System : GPS+GLO+GAL+BDS
Serial Number : 1830360
Firmware Version : 4.60.259 / 7.811
Elevation Cutoff Setting : 0 DEG

Date Installed : 2022-10-04T06:28Z
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)

4. GNSS Antenna Information

4.1 Antenna Type : TRM29659.00 NONE
Serial Number : 175205
Antenna Reference Point : BPA
Marker->ARP Up Ecc. (m) : 0.0470
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 : 2005-07-14T10:00Z
Date Removed : 2008-01-17T10:47Z
Additional Information : ANTENNA ABSOLUTE CALIBRATED (ROBOT) BY GEO++
GMBH GARBSEN

4.2 Antenna Type : LEIAT504GG NONE
Serial Number : 200266
Antenna Reference Point : BPA
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 : NONE
Radome Serial Number :
Antenna Cable Type : UNKNOWN
Antenna Cable Length : 30
Date Installed : 2008-01-17T12:36Z
Date Removed : 2013-08-27T10:00Z
Additional Information : ANTENNA ABSOLUTE CALIBRATED (ROBOT) BY GEO++
GMBH GARBSEN (LEIAT504GG+DFB__NONE) GPS-WEEK 1448

4.3 Antenna Type : LEIAR25.R4 LEIT
Serial Number : 725511
Antenna Reference Point : BPA
Marker->ARP Up Ecc. (m) : 0.0772

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 : 2013-08-27T15:15Z
 Date Removed :
 Additional Information : ANTENNA ABSOLUTE CALIBRATED BY
 ANTENNENMESSKAMMER BONN (LEIAR25R4_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 : 2007-01-19T10:00Z
 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

8.1.1 Humidity Sensor Model : HMP45A-P
Manufacturer : VAISALA OYI, FINNLAND
Serial Number : A2510002
Data Sampling Interval : 600
Accuracy (% rel h) : 1
Aspiration :
Height Diff to Ant : 5.00
Calibration date :
Effective Dates :
Notes :

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 : PTU200
Manufacturer : VAISALA OYI, FINNLAND
Serial Number : U4850001
Data Sampling Interval : 600
Accuracy : 1
Height Diff to Ant : 5.00
Calibration date :
Effective Dates :
Notes :

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 : PTU200
 Manufacturer : VAISALA OYI, FINNLAND
 Serial Number : U4850001
 Data Sampling Interval : 600
 Accuracy : 1
 Aspiration :
 Height Diff to Ant : 5.00
 Calibration date :
 Effective Dates :
 Notes :

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 : LVERMGGEORP
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