

0532 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 : 0532_20230704.log
Modified/Added Sections : 2

1. Site Identification of the GNSS Monument

Site Name : BINGEN2
Four Character ID : 0532
Monument Inscription :
IERS DOMES Number :
CDP Number :
Monument Description : ZINC PLATED STEEL ATTACHMENT
Height of the Monument : 1
Monument Foundation : CONCRETE WALL
Foundation Depth :
Marker Description : CENTER OF STEEL PLATE (WINDING)
Date Installed : 2011-01-19T06:55Z
Geologic Characteristic : SEDIMENTS OF TRANSGRESSION
Bedrock Type : SHALE AND QUARZITE
Bedrock Condition :
Fracture Spacing :
Fault zones nearby :
Distance/activity :
Additional Information : OWNER OF BUILDING IS LOCAL BUILDING AUTHORITY

2. Site Location Information

City or Town : BINGEN
State or Province : RHINELAND-PALATINATE
Country : GERMANY
Tectonic Plate : EURASIAN
Approximate Position (ITRF)
X coordinate (m) : 4072812.1458
Y coordinate (m) : 566979.4957
Z coordinate (m) : 4859445.8653
Latitude (N is +) : +495705.74
Longitude (E is +) : +0075530.93
Elevation (m,ellips.) : 156.082
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 : 350180
Firmware Version : 8.00
Elevation Cutoff Setting : 0 DEG
Date Installed : 2011-01-19T06:55Z
Date Removed : 2012-03-09T11:40Z
Temperature Stabiliz. : NONE
Additional Information :

- 3.2 Receiver Type : LEICA GRX1200GGPRO
Satellite System : GPS+GLO
Serial Number : 350180
Firmware Version : 8.51/3.019
Elevation Cutoff Setting : 0 DEG
Date Installed : 2012-03-09T12:00Z
Date Removed : 2013-09-11T15:00Z
Temperature Stabiliz. : NONE
Additional Information :

- 3.3 Receiver Type : LEICA GR25
Satellite System : GPS+GLO
Serial Number : 1830380
Firmware Version : 2.62/6.112
Elevation Cutoff Setting : 0 DEG
Date Installed : 2013-09-11T15:20Z
Date Removed : 2016-09-27T12:40Z
Temperature Stabiliz. : NONE
Additional Information :

- 3.4 Receiver Type : LEICA GR25
Satellite System : GPS+GLO
Serial Number : 1830380
Firmware Version : 4.00/6.522
Elevation Cutoff Setting : 0 DEG
Date Installed : 2016-09-27T12:50Z
Date Removed : 2016-12-08T12:18Z
Temperature Stabiliz. : NONE
Additional Information :

- 3.5 Receiver Type : LEICA GR25
Satellite System : GPS+GLO
Serial Number : 1830380
Firmware Version : 4.02/6.522
Elevation Cutoff Setting : 0 DEG
Date Installed : 2016-12-08T12:21Z
Date Removed : 2017-01-17T10:53Z
Temperature Stabiliz. : NONE
Additional Information :

- 3.6 Receiver Type : LEICA GR50
Satellite System : GPS+GLO
Serial Number : 1830366

Firmware Version : 4.02/7.001
Elevation Cutoff Setting : 0 DEG
Date Installed : 2017-01-17T10:58Z
Date Removed : 2017-05-16T11:38Z
Temperature Stabiliz. : NONE
Additional Information :

3.7 Receiver Type : LEICA GR50
Satellite System : GPS+GLO
Serial Number : 1830366
Firmware Version : 4.11 / 7.102
Elevation Cutoff Setting : 0 DEG
Date Installed : 2017-05-16T11:42Z
Date Removed : 2019-02-04T08:40Z
Temperature Stabiliz. : NONE
Additional Information :

3.8 Receiver Type : LEICA GR50
Satellite System : GPS+GLO+GAL+BDS
Serial Number : 1830366
Firmware Version : 4.31 / 7.403
Elevation Cutoff Setting : 0 DEG
Date Installed : 2019-02-04T08:55Z
Date Removed : 2022-10-04T06:05Z
Temperature Stabiliz. : NONE
Additional Information :

3.9 Receiver Type : LEICA GR50
Satellite System : GPS+GLO+GAL+BDS
Serial Number : 1830366
Firmware Version : 4.60.259 / 7.811
Elevation Cutoff Setting : 0 DEG
Date Installed : 2022-10-04T06:10Z
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 : LEIAR25.R3 LEIT
Serial Number : 10210016
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 : LEIT
 Radome Serial Number :
 Antenna Cable Type : UNKNOWN
 Antenna Cable Length : 15
 Date Installed : 2011-01-19T06:55Z
 Date Removed : 2013-09-11T13:15Z
 Additional Information : ANTENNA ABSOLUTE CALIBRATED (ROBOT) BY GEO++
 GMBH GARBSEN (LEIAR25.R3_____LEIT) GPS-WEEK 1597

4.2 Antenna Type : LEIAR25.R4 LEIT
 Serial Number : 725524
 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 : 2013-09-11T15:15Z
 Date Removed :
 Additional Information : ANTENNA ABSOLUTE CALIBRATED BY

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 : 2011-01-19T06:55Z
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 : PTU303
Manufacturer : VAISALA OYI, FINNLAND
Serial Number : E2720010
Data Sampling Interval : 600
Accuracy (% rel h) : 1
Aspiration :
Height Diff to Ant : 0
Calibration date : 2009-07-01T00:00Z
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 : PTU300 Class A PTU transmitter
Manufacturer : VAISALA OYI, FINNLAND
Serial Number : E2720010
Data Sampling Interval : 600

Accuracy : 1
Height Diff to Ant : -2
Calibration date : 2009-07-02T00:00Z
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 : PTU303 Class A PTU transmitter
Manufacturer : VAISALA OYI, FINNLAND
Serial Number : E2720010
Data Sampling Interval : 600
Accuracy : 1
Aspiration :
Height Diff to Ant : 0
Calibration date : 2009-07-01T00:00Z
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 : 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