0522 Site Information Form (site log)
International GPS Service
See Instructions at:
  ftp://igscb.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 : 0522_20230704.log
 Modified/Added Sections : 2

1. Site Identification of the GNSS Monument

Site Name : PIRMASENS
Four Character ID : 0522
Monument Inscription :
IERS DOMES Number :
CDP Number :
Monument Description : ALUMINIUM HOLDER AND ALUMINIUM PLATE
  Height of the Monument : 3.5
  Monument Foundation : MOUNTED ON ROOF OF BUILDING
  Foundation Depth :
Marker Description : CENTER OF ALUMINIUM PLATE (WINDING)
Date Installed : 2000-10-01T10:00Z
Geologic Characteristic : TRIAS
  Bedrock Type : BROWNSTONE
  Bedrock Condition :
  Fracture Spacing :
  Fault zones nearby : YES
    Distance/activity :
Additional Information : OWNER OF BUILDING IS LOCAL CADASTRAL OFFICE

2. Site Location Information

City or Town : PIRMASENS
State or Province : RHINELAND-PALATINATE
Country : GERMANY
Tectonic Plate : EURASIAN
Approximate Position (ITRF)
  X coordinate (m) : 4139032.7158
  Y coordinate (m) : 552445.2997
  Z coordinate (m) : 4805614.7358
  Latitude (N is +) : +491207.61
  Longitude (E is +) : +0073608.83
  Elevation (m,ellips.) : 448.353
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            : 350164
     Firmware Version         : 4.00
     Elevation Cutoff Setting : 0 DEG
     Date Installed           : 2006-08-10T10:00Z
     Date Removed             : 2007-09-11T12:20Z
     Temperature Stabiliz.    : NONE
     Additional Information   :

3.2  Receiver Type            : LEICA GRX1200GGPRO
     Satellite System         : GPS+GLO
     Serial Number            : 350164
     Firmware Version         : 5.50
     Elevation Cutoff Setting : 0 DEG
     Date Installed           : 2007-09-11T12:30Z
     Date Removed             : 2008-09-23T11:00Z
     Temperature Stabiliz.    : NONE
     Additional Information   :

3.3  Receiver Type            : LEICA GRX1200GGPRO
     Satellite System         : GPS+GLO
     Serial Number            : 350164
     Firmware Version         : 6.02
     Elevation Cutoff Setting : 0 DEG
     Date Installed           : 2008-09-23T11:01Z
     Date Removed             : 2009-11-17T12:05Z
     Temperature Stabiliz.    : NONE
     Additional Information   :

3.4  Receiver Type            : LEICA GRX1200GGPRO
     Satellite System         : GPS+GLO
     Serial Number            : 350164
     Firmware Version         : 7.53
     Elevation Cutoff Setting : 0 DEG
     Date Installed           : 2009-11-17T12:30Z
     Date Removed             : 2010-06-17T08:03Z
     Temperature Stabiliz.    : NONE
     Additional Information   :

3.5  Receiver Type            : LEICA GRX1200GGPRO
     Satellite System         : GPS+GLO
     Serial Number            : 350164
     Firmware Version         : 8.0
     Elevation Cutoff Setting : 0 DEG
     Date Installed           : 2010-06-17T08:33Z
     Date Removed             : 2012-03-09T12:30Z
     Temperature Stabiliz.    : NONE
     Additional Information   :

3.6  Receiver Type            : LEICA GRX1200GGPRO
     Satellite System         : GPS+GLO
     Serial Number            : 350164
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     Firmware Version         : 8.51/3.019
     Elevation Cutoff Setting : 0 DEG
     Date Installed           : 2012-03-09T12:50Z
     Date Removed             : 2014-07-15T13:50Z
     Temperature Stabiliz.    : NONE
     Additional Information   :

3.7  Receiver Type            : LEICA GRX1200GGPRO
     Satellite System         : GPS+GLO
     Serial Number            : 350164
     Firmware Version         : 8.71/3.822
     Elevation Cutoff Setting : 0 DEG
     Date Installed           : 2014-07-15T13:55Z
     Date Removed             : 2014-10-30T11:00Z
     Temperature Stabiliz.    : NONE
     Additional Information   :

3.8  Receiver Type            : LEICA GR25
     Satellite System         : GPS+GLO
     Serial Number            : 1830356
     Firmware Version         : 2.62/6.112
     Elevation Cutoff Setting : 0 DEG
     Date Installed           : 2014-10-30T12:00Z
     Date Removed             : 2016-09-27T05:00Z
     Temperature Stabiliz.    : NONE
     Additional Information   :

3.9  Receiver Type            : LEICA GR25
     Satellite System         : GPS+GLO
     Serial Number            : 1830356
     Firmware Version         : 4.00/6.522
     Elevation Cutoff Setting : 0 DEG
     Date Installed           : 2016-09-27T05:10Z
     Date Removed             : 2016-12-12T10:50Z
     Temperature Stabiliz.    : NONE
     Additional Information   :

3.10 Receiver Type            : LEICA GR50
     Satellite System         : GPS+GLO
     Serial Number            : 1870011
     Firmware Version         : 4.02/7.002
     Elevation Cutoff Setting : 0 DEG
     Date Installed           : 2016-12-12T10:54Z
     Date Removed             : 2017-05-17T12:44Z
     Temperature Stabiliz.    : NONE
     Additional Information   :

3.11 Receiver Type            : LEICA GR50
     Satellite System         : GPS+GLO
     Serial Number            : 1870011
     Firmware Version         : 4.11 / 7.102
     Elevation Cutoff Setting : 0 DEG
     Date Installed           : 2017-05-17T12:51Z
     Date Removed             : 2019-02-04T12:30Z
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     Temperature Stabiliz.    : NONE
     Additional Information   :

3.12 Receiver Type            : LEICA GR50
     Satellite System         : GPS+GLO+GAL+BDS
     Serial Number            : 1870011
     Firmware Version         : 4.31 / 7.403
     Elevation Cutoff Setting : 0 DEG
     Date Installed           : 2019-02-04T12:40Z
     Date Removed             : 2022-10-04T07:00Z
     Temperature Stabiliz.    : NONE
     Additional Information   :

3.13 Receiver Type            : LEICA GR50
     Satellite System         : GPS+GLO+GAL+BDS
     Serial Number            : 1870011
     Firmware Version         : 4.60.259 / 7.811
     Elevation Cutoff Setting : 0 DEG
     Date Installed           : 2022-10-04T07:05Z
     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             : LEIAT503        LEIC
     Serial Number            : 3010
     Antenna Reference Point  : TOP
     Marker->ARP Up Ecc. (m)  : 0.1860
     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           : 2006-08-10T10:00Z
     Date Removed             : 2008-09-22T10:48Z
     Additional Information   : ANTENNA ABSOLUTE CALIBRATED (ROBOT) BY GEO++
GMBH GARBSEN

4.2  Antenna Type             : LEIAT504GG      NONE
     Serial Number            : 200261
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     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     : 10
     Date Installed           : 2008-09-22T12:04Z
     Date Removed             : 2014-10-30T11:00Z
     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            : 725515
     Antenna Reference Point  : BPA
     Marker->ARP Up Ecc. (m)  : 0.0782
     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     : 10
     Date Installed           : 2014-10-30T12:00Z
     Date Removed             :
     Additional Information   : ANTENNA ABSOLUTE CALIBRATED BY
ANTENNENMESSKAMMER BONN (LEIAR25.R4______LEIT) GPS WEEK 1746

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)
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       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         : 2006-08-10T10:00Z
       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           : X3420003
       Data Sampling Interval  : 600
       Accuracy (% rel h)      : 1
       Aspiration              :
       Height Diff to Ant      : 2
       Calibration date        : 2002-08-20T00:00Z
       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    : PTU200 PTU transmitter
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       Manufacturer           : VAISALA OYI, FINNLAND
       Serial Number          : X3340003
       Data Sampling Interval : 600
       Accuracy               : 1
       Height Diff to Ant     : 2
       Calibration date       : 2002-08-20T00:00Z
       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      : PTU200 PTU transmitter
       Manufacturer           : VAISALA OYI, FINNLAND
       Serial Number          : X3340003
       Data Sampling Interval : 600
       Accuracy               : 1
       Aspiration             :
       Height Diff to Ant     : 2
       Calibration date       : 2002-08-20T00:00Z
       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
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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/BUILDLINGS/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   : LVERMGEORP
     Mailing Address          : VON-KUHL-STRASSE 49
                              : 56070 KOBLENZ
     Primary Contact
       Contact Name           : SAPOS-Team Rhl.-Pf.
       Telephone (primary)    : 0049261492123
       Telephone (secondary)  :
       Fax                    : 0049261492492
       E-mail                 : sapos@vermkv.rlp.de
     Secondary Contact
       Contact Name           : SAPOS-Team Rhl.-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
```