

Absolute Antenna Calibration

(Characteristics of Antenna Type)



Method

Geo++®-GNPCV Real-Time Calibration

Antenna Data

Manufacturer : Trimble Navigation Ltd.
Antenna Type : Zephyr 3 Base
GNSS : GPS, GLO, GAL, BDS
Product Number : 115000-10
IGS-Naming : TRM115000.10 NONE

Radome Data

Manufacturer :
Radome Type :
Product Number :
IGS-Naming : NONE

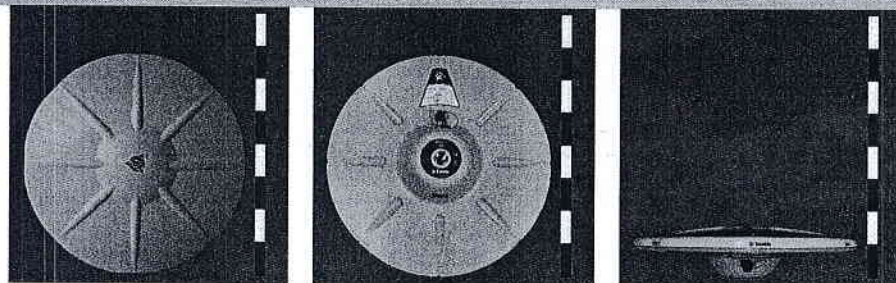
Antenna Reference Point (ARP)

Horizontal Position : rotation axis, center of 5/8" thread
Vertical Position : (BAM) bottom of antenna mount
IGS-ARP : (BAM) bottom of antenna mount

North Reference Point (NRP)

Description : label of manufacturer considered north mark, cable connector points north
IGS-NRP : (RXC) receiver connector (connects antenna to external receiver)

Remarks



0.00 0.10 m

Absolute Antenna Calibration

(Individual Characteristics of Antenna)



Antenna Data	
Manufacturer	: Trimble Navigation Ltd.
Antenna Type	: Zephyr 3 Base
GNSS	: GPS, GLO, GAL, BDS
Product Number	: 115000-10
Serial number	: 1441108262
IGS Naming	: TRM115000.10 NONE

Radome Data	
Manufacturer	:
Radome Type	:
Product Number	:
Serial Number	:
IGS-Naming	: NONE

Calibration Characteristics	
GNSS System	: GPS+GLONASS**
Date	: 2017-03-29
Number of Calibrations	: 2
Setup-ID	: 0
Number of Frequencies	: 2
Customer	: AllTerra Deutschland GmbH, 12524 Berlin
Elevation Increment	: 5°
Azimuth Increment	: 5°

PCV Characteristics	
> absolute 3D offsets > absolute PCV > PCV from 0° to 90° elevation > elevation and azimuth dependent PCV > free of any multipath influence	

Remarks	

** Individual GLONASS PCV were estimated using frequency independent L1, L2 GLO calibrations.

Absolute Antenna Calibration

(Individual Characteristics of Antenna)



Antenna Data

Manufacturer	:	Trimble Navigation Ltd.
Antenna Type	:	Zephyr 3 Base
GNSS	:	GPS, GLO, GAL, BDS
Product Number	:	115000-10
Serial number	:	1441108266
IGS Naming	:	TRM115000.10 NONE

Radome Data

Manufacturer	:	
Radome Type	:	
Product Number	:	
Serial Number	:	
IGS-Naming	:	NONE

Calibration Characteristics

GNSS System	:	GPS+GLONASS**
Date	:	2017-04-04
Number of Calibrations	:	1
Setup-ID	:	0
Number of Frequencies	:	2
Customer	:	AllTerra Deutschland GmbH, 12524 Berlin
Elevation Increment	:	5°
Azimuth Increment	:	5°

PCV Characteristics

- > absolute 3D offsets
- > absolute PCV
- > PCV from 0° to 90° elevation
- > elevation and azimuth dependent PCV
- > free of any multipath influence

Remarks

** Individual GLONASS PCV were estimated using frequency independent L1, L2 GLO calibrations.

Absolute Antenna Calibration

(Individual Characteristics of Antenna)



Antenna Data	
Manufacturer	: Trimble Navigation Ltd.
Antenna Type	: Zephyr 3 Base
GNSS	: GPS, GLO, GAL, BDS
Product Number	: 115000-10
Serial number	: 1441108318
IGS Naming	: TRM115000.10 NONE
Radome Data	
Manufacturer	:
Radome Type	:
Product Number	:
Serial Number	:
IGS-Naming	: NONE
Calibration Characteristics	
GNSS System	: GPS+GLONASS**
Date	: 2017-03-30
Number of Calibrations	: 2
Setup-ID	: 0
Number of Frequencies	: 2
Customer	: AllTerra Deutschland GmbH, 12524 Berlin
Elevation Increment	: 5°
Azimuth Increment	: 5°
PCV Characteristics	
> absolute 3D offsets > absolute PCV > PCV from 0° to 90° elevation > elevation and azimuth dependent PCV > free of any multipath influence	
Remarks	

** Individual GLONASS PCV were estimated using frequency independent L1, L2 GLO calibrations.