

GNSS site:

B8XN

Agency:

GNS Science

GNSS full name:

MUELLER (IGNS)

SET-UP

Operators:

Aleksandr Spesivtsev
Cécile Ducrocq

Start time NZDT (dd/mm/yyyy hh:mn):

13 / 03 / 2025 12 : 15

UTC +13:00 hours

Receiver type:

Septentrio PolaRx5

Receiver S/N:

4501928/3022359

Receiver ID:

GNS-51

Antenna P/N:

115000.00 5751

Antenna S/N:

6124413333

Antenna ID:

GNS-51

Interval obs.: 15 seconds Elevation mask: 0 deg

Magnetic declination: 24 °E

Aligned to True North: Yes: ☒

Other: °mN

Levelled: Yes: ☒ **No:** ☐
Centered: Yes: ☒ **No:** ☐ °mN

TAKE DOWN

Operators:

Jason Farr
Cécile Ducrocq

End time NZDT (dd/mm/yyyy hh:mn):

20 / 03 / 2025 11 : 50

Aligned to True North: Yes: ☐

Other: 14 °mN

Levelled: Yes: ☐ **No:** ☒
Centered: Yes: ☐ **No:** 6mm @218 °mN

Measurements Slant*: ☒ Vertical: ☐

	Start	End
# 4	1.0985 m	1.1005 m
# 7	1.0985 m	1.1002 m
# 1	1.0985 m	1.0995 m
# 1	43.25 inches	43.3 inches

Corrected vertical height (survey mark to ARP):**

1.0418 m

*Slant height measured from top of survey mark to bottom of notch of the antenna.

**Vertical height from top of survey mark to ARP of antenna.

Comments

(e.g., monument type, heights, information about site, battery levels, measurement bottom of hole, and rinexing information)

Magnitude declination calculated for B8X4 site on 29 Jan. 2025 from WMM-2020 model.

Average in hole BoN slant height : 1.0993 m.

Retrieval: Antenna 14 deg E from mag North.
Once releveled, crosshairs offset from center of the mark.
From mark to crosshairs: 6mm @218 deg E of mag North.

2025 Doy data collected: 072-075.
Processing of data indicate that the 6mm offset measured at retrvl happens gradually over doy 076 and 077.
