

GeoBC
BRITISH COLUMBIA ACTIVE CONTROL SYSTEM

GNSS ACTIVE CONTROL POINT as of 2018/12/03

STATION: BCLI
GEODETIC MARK: 869792
FULL NAME: BCACS - Lulu Island ACP
CLASS: BCACS Primary
LOCATION: Richmond, B.C., Canada

- 2015/08/11 (Date of Observations)

MARKER COORDINATES: Latitude n49 6 54.40474
Longitude w123 8 49.61827
Hybrid Ellipsoid Height -4.658 m*
Orthometric Height 14.878 m

- 2005/04/05 OBSOLETE

MARKER COORDINATES: ~~Latitude n49 6 54.40474~~
~~Longitude w123 8 49.61827~~
~~Ellipsoid Height 4.645~~
~~Orthometric Height 14.895~~

*Hybrid Ellipsoid Heights are derived by adding the HTMVBC00_Abb separation (N) to the levelling-derived orthometric heights. I.e. they are not derived from GNSS observations and are therefore not true ellipsoid heights.

- 2018/11/01

GEODETIC ATTRIBUTES: Datum/Ellipsoid = NAD83(CSRs) 4.0.0.BC.1.GVRD
Geoid Model = HTMVBC00_Abb
N = -19.536m
xi = -4.7s
eta = 2.5s

- 2005/04/05 OBSOLETE

GEODETIC ATTRIBUTES: ~~Datum/Ellipsoid = NAD83(CSRs) 4.0.0.BC.1.GVRD~~
~~Geoid Model = HTCVRDEC00~~
~~N = -19.54m~~
~~xi = -4.68s~~
~~eta = 2.53s~~

REFERENCE NETWORKS:

Inner: nil

Outer:

COLLOCATION TIES:

- nil

ANTENNA HEIGHT: > vertical distance measured to antenna reference point

- 2004/09/04 00:00UT 0.000m

GNSS RECEIVER:

- 2011/09/27 19:00UT Leica GR10 s/n 1700656
(used for RINEX as of 2012/01/27)
 - 2004/09/30 15:00UT Trimble NetRS s/n#4432236955
-

FIRMWARE:

- 2011/09/27 19:00UT Firmware ver. 1.1
 - 2011/01/28 01:00UT Firmware ver. 1.3.0
 - 2005/04/28 00:00UT Firmware ver. 1.13
 - 2004/09/30 15:00UT Firmware ver. 1.03
-

ANTENNA (diagram below):

- 2011/09/27 19:30UT LEIAR25 LEIT s/n 725136
 - 2004/09/04 20:35UT Trimble Zephyr Geodetic with GP (NGS TRM41249.00)
sn# 12379381
 - 2004/09/30 15:00UT Trimble Choke Ring w/radome (TRM29659.00)
sn# 0220335638
-

ANTENNA CABLE:

- 2004/09/30 00:00UT

CLOCK:

- 2004/09/30 00:00UT GPS Receiver Internal Clock

MODEMS:

- N/A

UNINTERRUPTABLE POWER SUPPLY:

- 2004/09/30

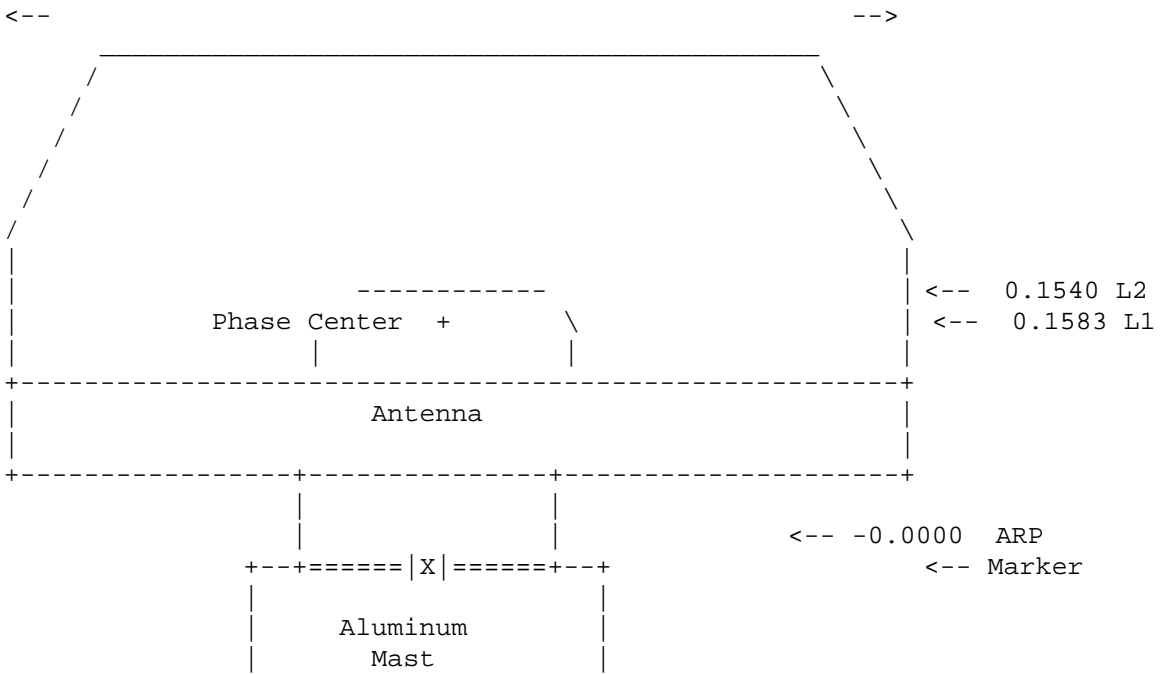
STATUS:

- 2004/09/30 00:00UT Operational

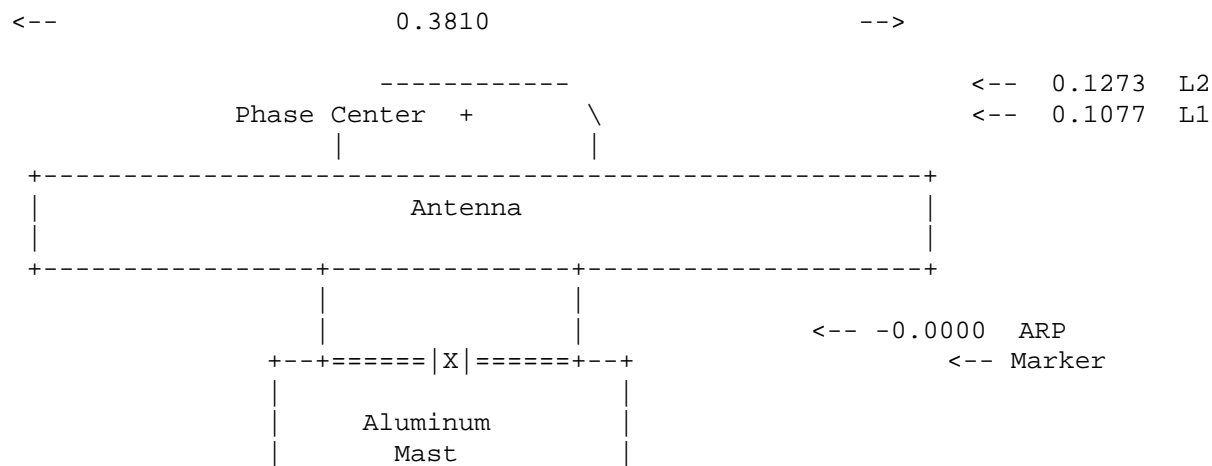
AGENCY: Province of British Columbia
GeoBC
3400 Davidson Ave.
Victoria, BC, Canada V8Z 3P8
email: GeoBCinfo@gov.bc.ca

ANTENNA DIAGRAM:

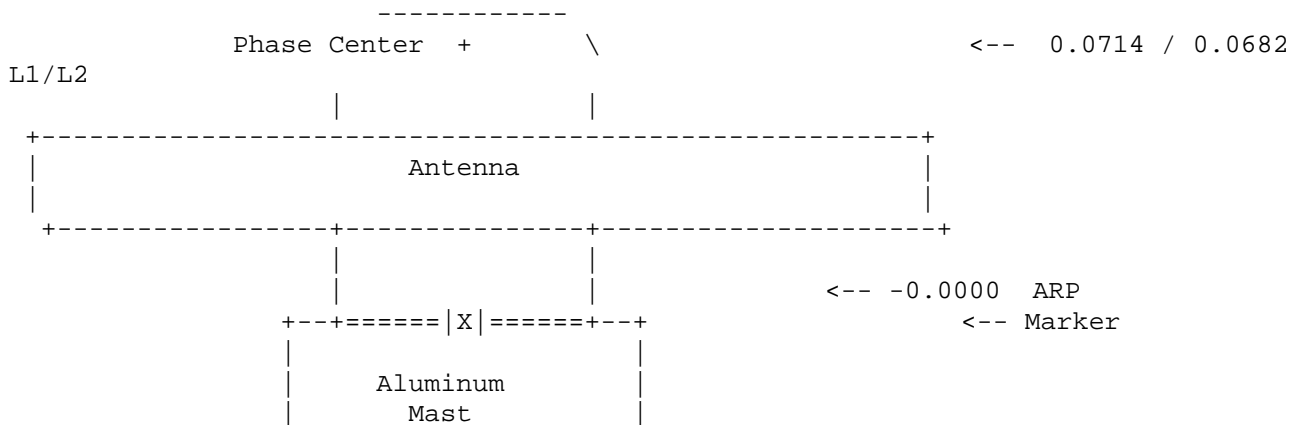
2011/09/27 Leica AR25 w/ Leica dome (LEIAR25 LEIT)



- 2006/11/26 Dorne Margolin Trimble Choke Ring w/radome (NGS TRM29659.00 UNAV)

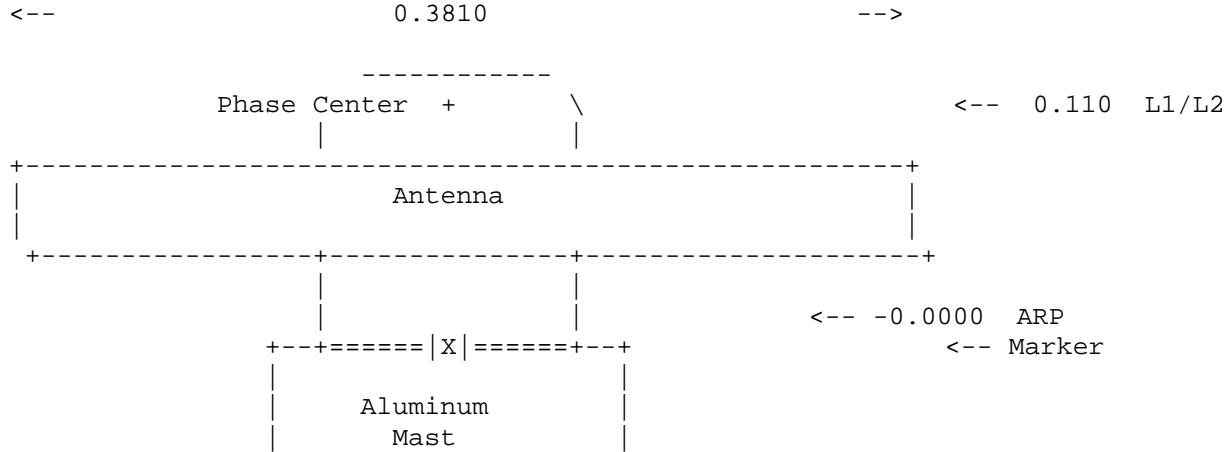


- 2006/09/04 Trimble Zephyr Geodetic with GP (NGS TRM41249.00)
<-- 0.3810 -->



- 2004/09/30
TRM29659.00 UNAV)

Dorne Margolin Trimble Choke Ring w/radome (NGS



ACRONYMS:

- ACP ... Active Control Point
- ARP ... Antenna Reference Point
- BCACS ... British Columbia Active Control System
- GVRD00 ... Height Transformation Model for CGVD28, Metro Vancouver Regional District (formerly referred to as the Greater Vancouver Regional District)
- HTMVBC00_Abb ... Height Transformation Model for CGVD28, Metro Vancouver Regional District and Abbotsford
- NAD83 ... North American Datum 1983
- NAD83(CSRs) 4.0.0.BC.1.GVRD ... NAD83, Canadian Spatial Reference System, Version 4, Epoch 2002, British Columbia, Metro Vancouver
- RINEX ... Receiver Independent Exchange Format
- WGS84 ... World Geodetic System 1984