

**GEOGRAPHIC DATA BC  
BRITISH COLUMBIA ACTIVE CONTROL SYSTEM**

GPS ACTIVE CONTROL POINT as of 2015/06/26

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STATION: BCSS  
GEODETIC MARK: 378463  
FULL NAME: BCACS - Sandspit ACP  
CLASS: BCACS Primary  
LOCATION: Sandspit Airport, B.C., Canada

Installed on stainless steel pillar at Sandspit airport. Receiver is installed in the VOR/TACAN **building**.

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- 2006/08/03

MARKER COORDINATES: Latitude 53 15 13.07184 N  
Longitude 131 48 25.47858 W  
Ellipsoid Height -0.972  
Orthometric Height 7.638

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GEODETIC ATTRIBUTES: Datum/Ellipsoid = NAD83(CSRs) 4.0.0.BC.1  
Geoid Model = HTV2.0  
N = -8.61m  
xi = 2.89 s  
eta = 10.56 s

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- 2005/06/15

MARKER COORDINATES: Latitude 53 15 13.07191 N  
Longitude 131 48 25.47829 W  
Ellipsoid Height -0.679  
Orthometric Height 7.678

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GEODETIC ATTRIBUTES: Datum/Ellipsoid = NAD83/WGS 84  
Geoid Model = HT97  
N = -8.357m  
xi = 2.36"  
eta = 11.54"

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- 2005/03/09

MARKER COORDINATES: Latitude 53 15 13.06989 N  
- Preliminary Longitude 131 48 25.47883 W  
Ellipsoid Height -1.094  
Orthometric Height 7.263

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GEODETIC ATTRIBUTES: Datum/Ellipsoid = NAD83/WGS 84  
Geoid Model = HT97  
N =  
xi =  
eta =

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REFERENCE NETWORKS:

Inner:

Outer: 637272, 332510, 650101

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COLLOCATION TIES:

- nil

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ANTENNA HEIGHT: >

- 2005/03/09 00:00UT 0.000m

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GPS RECEIVER:

- 2011/03/28 14:45UT Leica GRX1200 Pro s/n 351081  
- 2005/03/09 00:00UT Leica RS500 s/n# 82176

FIRMWARE:

- 2015/06/26 12:49UT Firmware 9.20 / ME 3.019  
- 2012/11/06 20:00UT Firmware 8.51 / ME 3.019  
- 2011/03/28 14:45UT Firmware 8.10 / ME 3.019  
- 2005/03/09 00:00UT Firmware 5.00

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ANTENNA (diagram below):

- 2011/03/28 14:45UT Leica AR25 w/ Leica Dome sn 905007  
- 2005/03/09 00:00UT Leica Choke Ring w/ LEIS Dome sn 1235

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ANTENNA CABLE:

- 2005/03/09 00:00UT 173m LDF5-50A

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CLOCK:

- 2005/03/09 00:00UT GPS Receiver Internal Clock

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COMPUTER HARDWARE:

- 2005/03/09 00:00UT N/A

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MODEMS:

- 2005/03/09            SixNet VtModem5

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UNINTERRUPTABLE POWER SUPPLY:

- 2011/03/28            14:45UT            12V deep cycle battery & charger  
- 2005/03/09            00:00UT            Best Powerware 9125

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STATUS:

- 2005/03/09            00:00UT            Operational

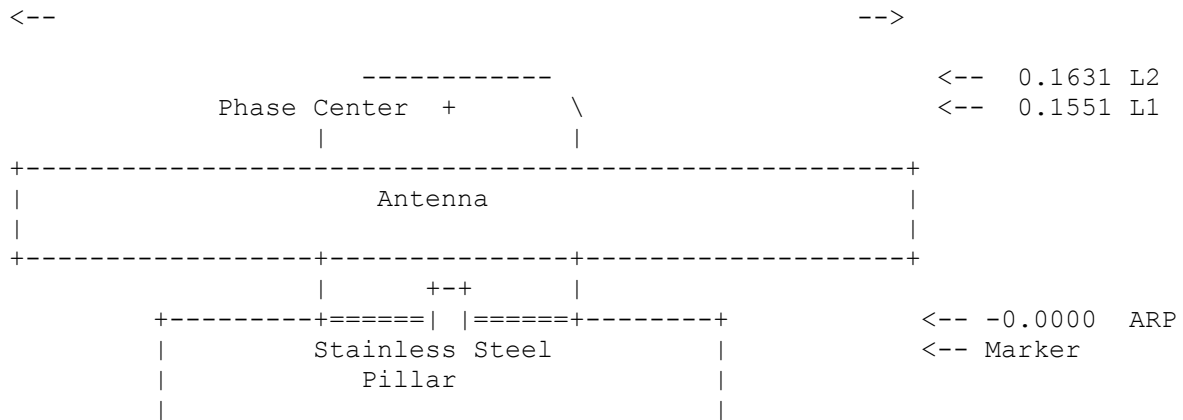
AGENCY:            GeoBC  
                    Prince of British Columbia

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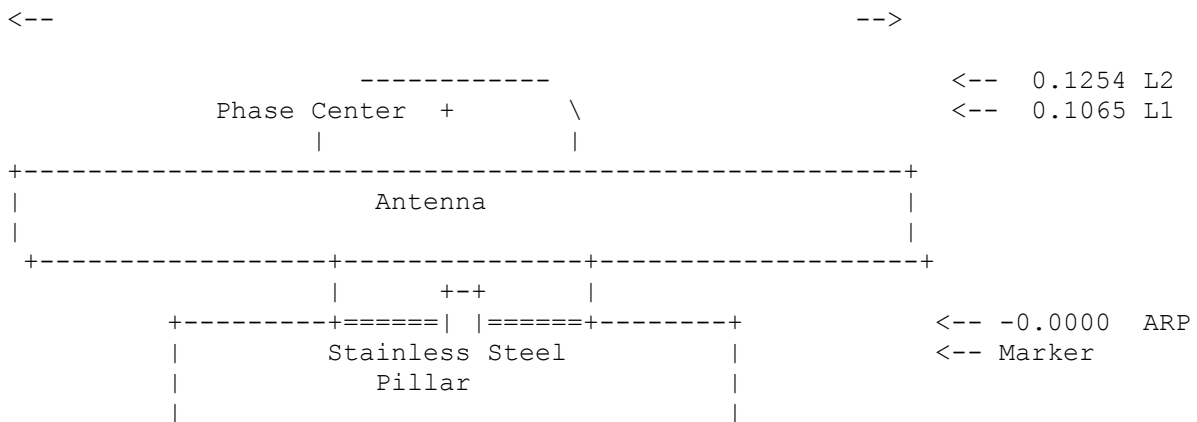
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ANTENNA DIAGRAM:

2011/03/28 Leica AR25 w/ Leica dome (AR25 LEIT)



2005/03/09 Dorne Margolin Leica Choke Ring with Leica dome (AT504 LEIS)



ACRONYMS:

- ARP ... Antenna Reference Point
- BCACS ... British Columbia Active Control System
- NAD83 ... North American Datum 1983
- SRMB ... Surveys and Resource Mapping Branch
- WGS84 ... World Geodetic System 1984