

**RATIntegrated Land Management Bureau
BRITISH COLUMBIA ACTIVE CONTROL SYSTEM**

GPS ACTIVE CONTROL POINT as of 2013/03/08

STATION: BCIN
GEODETIC MARK: 164418
FULL NAME: BCACS - Invermere ACP
CLASS: BCACS Primary
LOCATION: 625-4th Street, Invermere, B.C., Canada

Invermere ACP is installed on an antenna mast attached to the South wall of the Invermere Government Services office.

- 2006/04/11

MARKER COORDINATES: Latitude N 50°30'33.09017"
Longitude W 116°01'42.87948"
Ellipsoid Height 829.802m
Orthometric Height 843.962m

GEODETIC ATTRIBUTES: Datum/Ellipsoid = NAD83(CSRS) 4.0.0.BC.1
Geoid Model = HTV2.0
N = -14.16
xi = -1.63
eta = -1.46

- 1998/05/07

MARKER COORDINATES: Latitude N 50°30'33.08999"
Longitude W 116°01'42.88000"
Ellipsoid Height 829.862m
Orthometric Height 843.962m

GEODETIC ATTRIBUTES: Datum/Ellipsoid = NAD83(CSRS)
Geoid Model = HT97
N = -14.10
xi =
eta =

REFERENCE NETWORKS:

Inner:

Outer:

COLLOCATION TIES:

- GCM#'s 84C304, 84C278, 61C048

ANTENNA HEIGHT: > vertical distance measured to antenna reference point
2009/12/09- 19:00UT 0.000m

GPS RECEIVER:

- 2009/12/09 19:00UT Trimble NetR5 s/n#4844K59153
- 1999/05/19 00:00UT Trimble 4000SSi (L1/2 P1/2) s/n# 3602a14117

FIRMWARE:

- 2013/03/08 15:09UT Firmware 4.70
- 2012/04/20 21:20UT Firmware 4.45
- 2011/09/21 14:50UT Firmware 4.43
- 2010/11/04 15:10UT Firmware 4.19
- 2010/11/04 15:10UT Firmware 4.19
- 2010/09/09 16:10UT Firmware 4.17
- 2009/12/09 19:00UT Firmware 4.03
- 1999/05/19 00:00UT Firmware Nav7.29/Sig3.07/Boot3.33

ANTENNA (diagram below):

- 2009/12/09 19:00UT Trimble GNSS Choke Ring with Scign Dome sn
4838A58402
RF connector oriented to **south**
- 1996/08/21 00:00UT Trimble Compact L1/L2 w/ Ground Plane sn
#3340a69418

ANTENNA CABLE:

- 1999/05/19 00:00UT 40m LMR400 N-TypeM * N-TypeF (at Rx)

CLOCK:

- 2009/12/09 00:00UT GPS Receiver Internal Clock
- 1999/05/19 00:00UT GPS Receiver Internal Clock

COMPUTER HARDWARE:

- 2009/12/07 19:00UT N/A
- 2000/07/05 00:00UT IBM PII 350
64Mbyte RAM
2Gbyte hard disk (NTFS Format)
- 2000/07/05 17:00UT 3Com EtherLink III Card s/n# ?

COMPUTER SOFTWARE:

- 2009/12/07 19:00UT N/A
- 2000/07/05 00:00UT Trimble URS for Windows ver2.1 s/n# 55699
pcAnywhere
vnc

MODEMS:

- 2009/12/09 19:00UT N/A
- 1999/05/19

UNINTERRUPTABLE POWER SUPPLY:

- 2006/09/15 19:00UT Best Fortress
- 2005/02/21 00:00UT Best Fortress

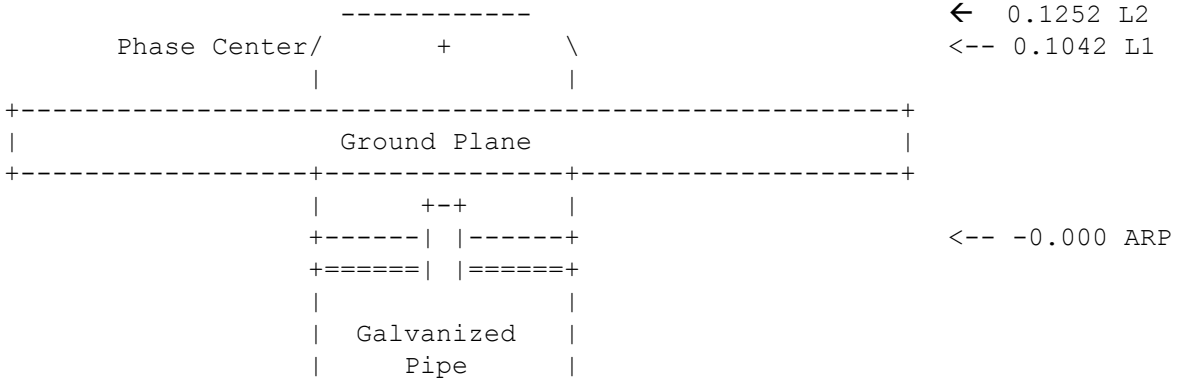
STATUS:
- 1999/05/19 00:00UT Operational

AGENCY: GeoBC
Base Mapping & Cadastral Branch

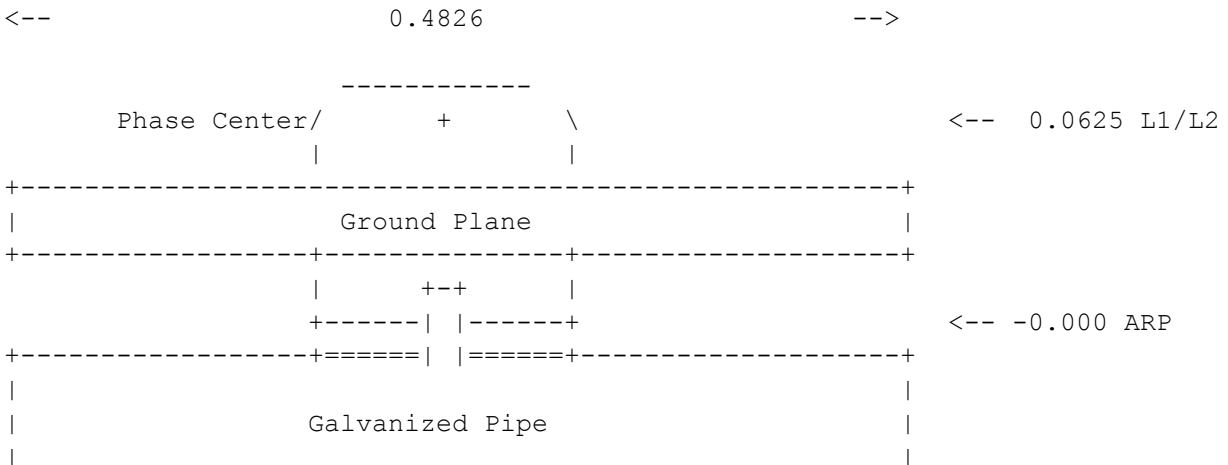
CONTACT: Vern Vogt P. Eng.
Province of British Columbia
GeoBC
Base Mapping & Cadastral Branch
1st Floor - 3400 Davidson Ave.
Victoria, BC, Canada V8Z 3P8
Tel: (250) 952-6571
Fax: (250) 952-4188
email: vern.vogt@gov.bc.ca

ANTENNA DIAGRAM:

2009/12/09 Trimble GNSS Choke Ring with Scign Dome (NGS59800.00 SCIS)



1999/05/19 Trimble Compact L1/L2 with Groundplane



ACRONYMS:

ARP Antenna Reference Point
BCACS British Columbia Active Control System
NAD83 (CSRS) North American Datum 1983 Canadian Spatial Reference System
WGS84 World Geodetic System 1984