

**GeoBC**  
**BRITISH COLUMBIA ACTIVE CONTROL SYSTEM**

GPS ACTIVE CONTROL POINT as of 2012/01/27

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STATION: BCSF  
GEODETIC MARK: 898734  
FULL NAME: BCACS - Surrey Firehall #2 ACP  
CLASS: BCACS Primary  
LOCATION: Surrey, B.C., Canada

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- 2005/06/17

MARKER COORDINATES: Latitude n 49 11 31.49655  
Longitude w 122 51 36.24849  
Ellipsoid Height 83.735  
Orthometric Height 102.785

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GEODETIC ATTRIBUTES: Datum/Ellipsoid = NAD83(CSRS) 4.0.0.BC.1.GVRD  
Geoid Model = GVRD00  
N = -19.05m  
xi = -8.95s  
eta = -3.06ss

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- 2005/04/05

MARKER COORDINATES: Latitude n 49 11 31.49655  
Longitude w 122 51 36.248488  
Ellipsoid Height 83.739  
Orthometric Height 102.785

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GEODETIC ATTRIBUTES: Datum/Ellipsoid = NAD83/WGS 84  
Geoid Model = HTGVRDBC00  
N = -19.046  
xi = -10.37s  
eta = -3.25s

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REFERENCE NETWORKS:  
Inner: nil

Outer:

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COLLOCATION TIES:  
- nil

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ANTENNA HEIGHT: > vertical distance measured to antenna reference point

- 2004/09/28 00:00UT 0.000m

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GPS RECEIVER:

- 2011/09/28 21:00UT Leica GR10 s/n 1700652  
(used for RINEX as of 2012/01/27)  
- 2004/09/28 15:00UT Trimble NetRS s/n#4432236947

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FIRMWARE:

- 2011/09/28 21:00UT Firmware ver. 1.1  
- 2011/01/21 01:00UT Firmware ver. 1.3.0  
- 2005/04/28 00:00UT Firmware ver. 1.13  
- 2004/09/28 15:00UT Firmware ver. 1.03

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ANTENNA (diagram below):

- 2011/09/28 21:00UT LEIAR25 LEIT s/n 10461017  
- 2004/09/28 15:00UT Trimble Choke Ring w/Radome (TRM29659.00)  
sn#0220335636

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ANTENNA CABLE:

- 2004/09/28 00:00UT

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CLOCK:

- 2004/09/28 00:00UT GPS Receiver Internal Clock

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MODEMS:

- N/A

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UNINTERRUPTABLE POWER SUPPLY:

- 2004/09/28

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STATUS:

- 2004/09/28 00:00UT Operational

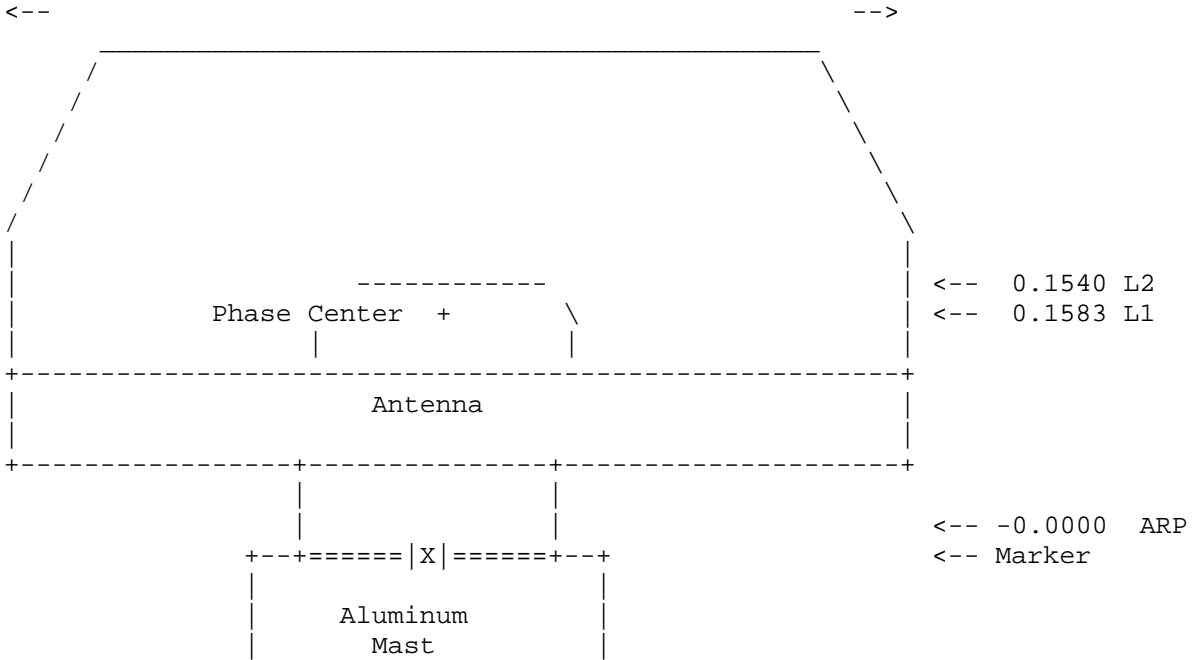
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AGENCY: GeoBC  
Prince of British Columbia

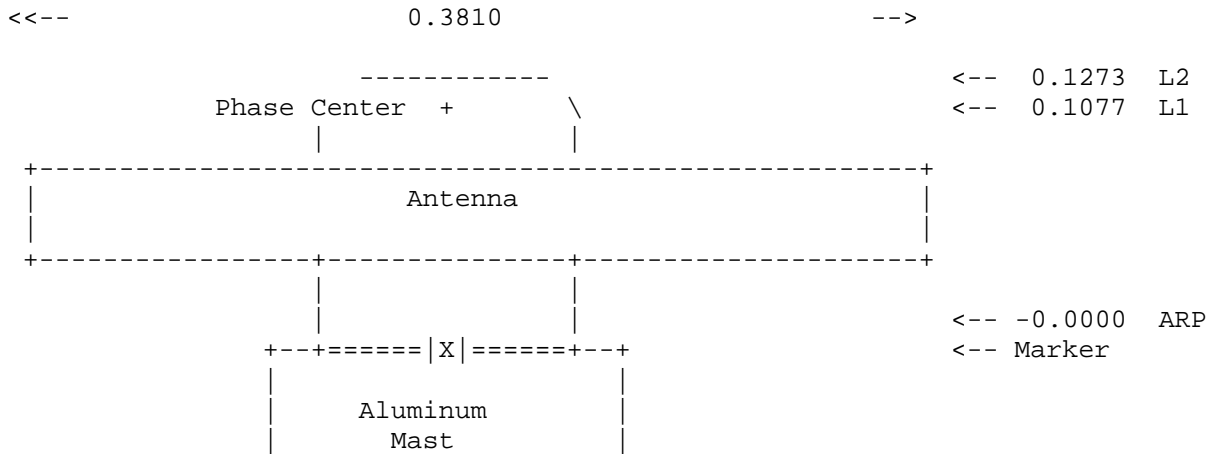
CONTACT: Vern Vogt P. Eng.  
Province of British Columbia  
GeoBC  
3400 Davidson Ave.  
Victoria, BC, Canada V8Z 3P8  
Tel: (250) 952-6571  
Fax: (250) 952-4188  
email: [vern.vogt@gov.bc.ca](mailto:vern.vogt@gov.bc.ca)

ANTENNA DIAGRAM:

2011/09/28 Leica AR25 w/ Leica dome (LEIAR25 LEIT)



- 2004/09/28 Dorne Margolin Trimble Choke Ring w/radome (NGS  
TRM29659.00 UNAV)



Marker - X

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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