

GeoBC
BRITISH COLUMBIA ACTIVE CONTROL SYSTEM

GPS ACTIVE CONTROL POINT as of 2015/06/18

STATION: BCFJ
GEODETIC MARK: 981274
FULL NAME: BCACS - Fort St. John ACP
CLASS: BCACS Primary
LOCATION: Fort St. John, B.C., Canada

Installed on stainless steel pillar at Fort St. John airport

- 2006/08/03

MARKER COORDINATES: Latitude n56 14 46.33764
Longitude w120 44 57.66731
Ellipsoid Height 677.314
Orthometric Height 691.594

GEODETIC ATTRIBUTES: Datum/Ellipsoid = NAD83(CSRS) 4.0.0.BC.1
Geoid Model = HTV2.0
N = -14.28
xi = -1.67"
eta = 3.81"

- 2005/02/11

MARKER COORDINATES: Latitude n56 14 46.337553
- Preliminary Longitude w120 44 57.667797
Ellipsoid Height 677.412
Orthometric Height 691.594

GEODETIC ATTRIBUTES: Datum/Ellipsoid = NAD83/WGS 84
Geoid Model = HT97
N = -14.182
xi =
eta =

REFERENCE NETWORKS:
Inner: 160648, 564989, 586586

Outer:

COLLOCATION TIES:
- nil

ANTENNA HEIGHT: > vertical distance measured to antenna reference point

- 2005/02/11 00:00UT 0.000m

GPS RECEIVER:

- 2007/12/07 17:30UT Leica GRX1200Pro GG s/n 351093
- 2005/02/11 00:00UT Leica RS500 s/n# 80255

FIRMWARE:

- 2015/06/18 03:49UT Firmware 9.20 / ME 6.404
- 2013/11/06 15:15UT Firmware 8.71 / ME 3.822
- 2012/05/03 15:40UT Firmware 8.51 / ME 3.019
- 2011/09/08 15:20UT Firmware 8.20 / ME 3.019
- 2011/02/22 16:00UT Firmware 8.10 / ME 3.019
- 2010/09/09 14:24UT Firmware 8.0
- 2010/05/05 18:30UT Firmware 7.80
- 2009/05/05 14:00UT Firmware 7.50
- 2008/10/31 15:00UT Firmware 6.00
- 2007/12/07 17:30UT Firmware 5.60
- 2005/02/11 00:00UT Firmware 5.00

ANTENNA (diagram below):

- 2007/12/07 00:00UT Leica AT504GG Choke Ring w/LEIS Dome sn 200308
- 2005/02/11 00:00UT Leica AT504 Choke Ring with LEIS Dome sn 845

ANTENNA CABLE:

- 2005/02/11 00:00UT LMR600 175m N-Type Male both ends

CLOCK:

- 2005/02/11 00:00UT GPS Receiver Internal Clock

COMPUTER HARDWARE:

- 2005/02/11 00:00UT N/A

MODEMS:

- 2007/12/07 N/A
- 2005/02/11 Lantronix MSS100

UNINTERRUPTABLE POWER SUPPLY:

- 2005/02/11 00:00UT APC

STATUS:

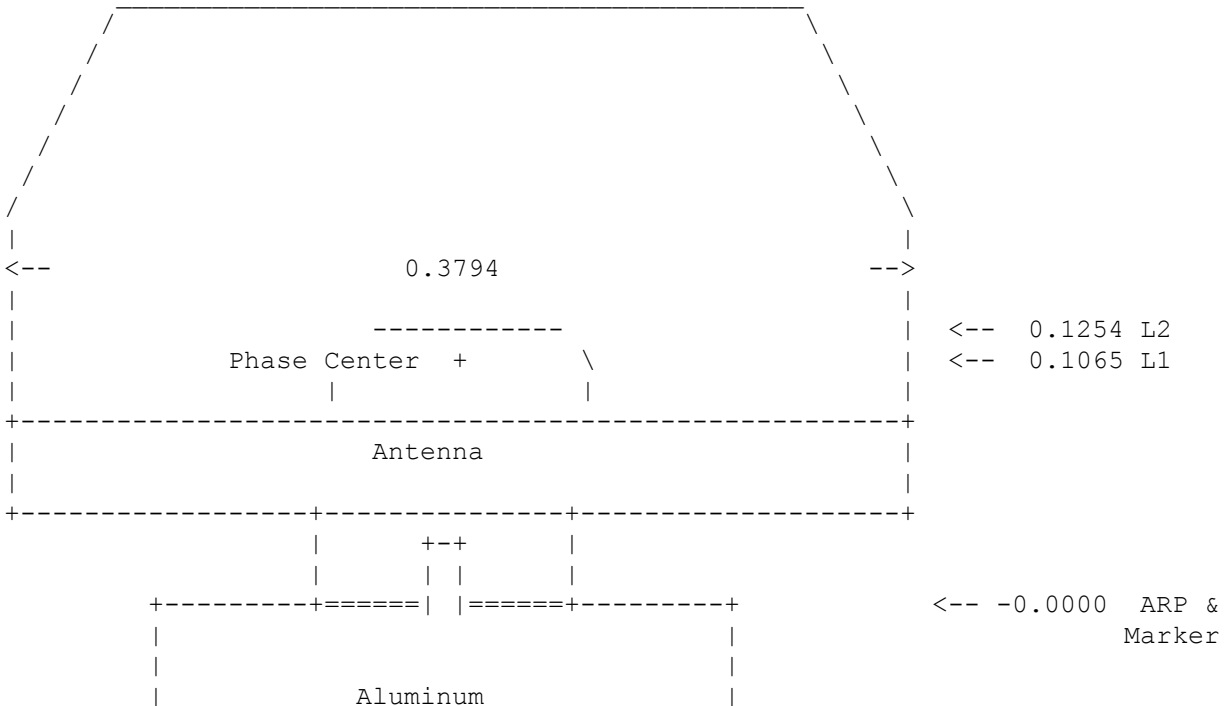
- 2005/02/11 00:00UT Operational

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

ANTENNA DIAGRAM:

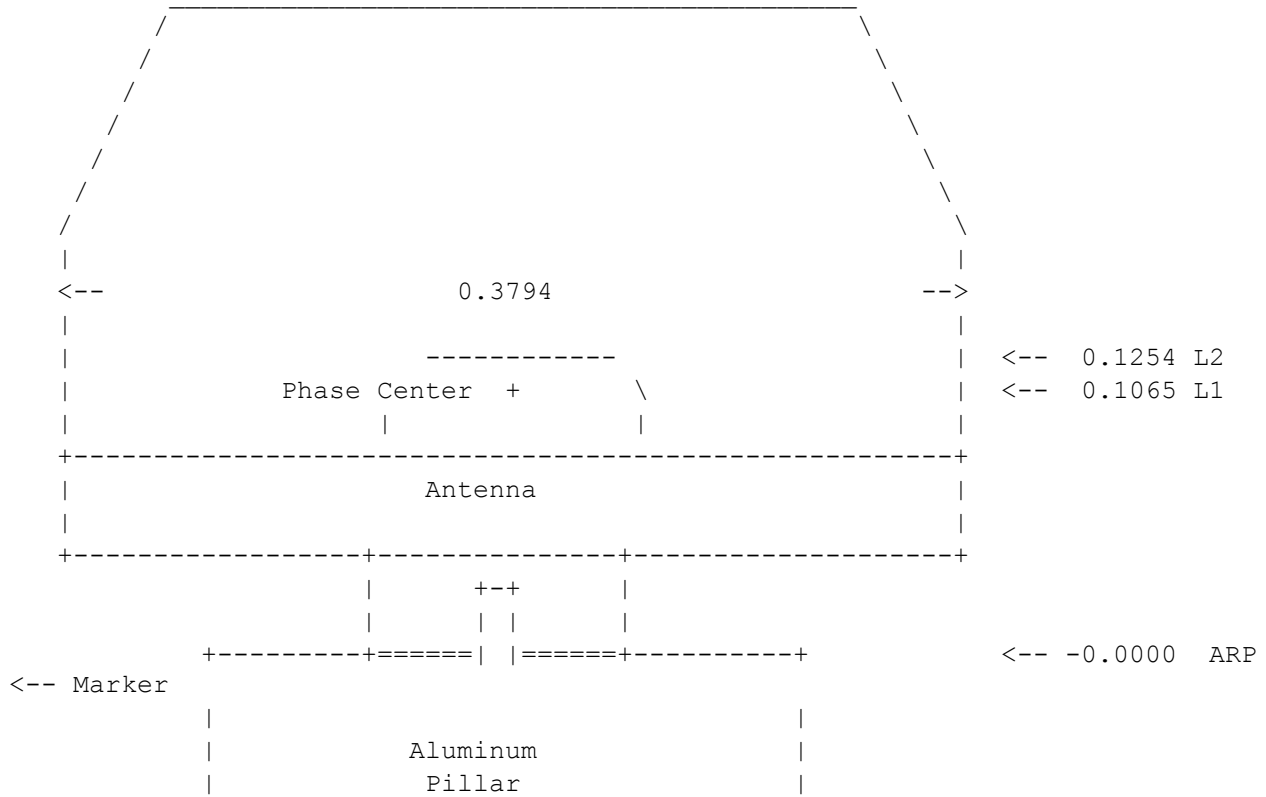
2007/12/07 Dorne Margolin Leica Choke Ring with Leica dome(AT504GG LEIS)



| Pillar |

2005/02/11
LEIS)

Dorne Margolin Leica Choke Ring with Leica dome (AT504



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