

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

GPS ACTIVE CONTROL POINT as of 2015/06/18

STATION: BCSL / SMLD
GEODETIC MARK: 506204
FULL NAME: BCACS - Summerland PARC ACP
CLASS: BCACS Primary
LOCATION: Summerland, B.C., Canada
Installed on concrete pillar at Pacific Agriculture Centre

- 2006/04/11

MARKER COORDINATES: Latitude N 49°33'55.55222"
Longitude W 119°38'39.20938"
Ellipsoid Height 429.11m
Orthometric Height 445.290m

GEODETIC ATTRIBUTES: Datum/Ellipsoid = NAD83(CSRs) 4.0.0.BC.1
Geoid Model = HTV2.0
N = -16.18
xi = 1.39 s
eta = 1.10 s

- Preliminary

MARKER COORDINATES: Lat. n49 33 55.5519
Long. w119 38 39.21042
HAE 429.175m (ellipsoid)
Elev. 445.295m (msl)

PHASE CENTRE COORDS Lat. n49 33 55.5519
Long. w119 38 39.21042
HAE 429.338m (ellipsoid)
Elev. 445.458m (msl)

GEODETIC ATTRIBUTES: Datum/Ellipsoid = NAD83/WGS 84
Geoid Model = HT97
N = -16.12
xi = 1.25
eta = -1.11"

REFERENCE NETWORKS:

Inner:

Outer:

COLLOCATION TIES:

- nil

ANTENNA HEIGHT: > vertical distance measured to antenna reference point (ARP)
- 2009/12/07 19:00UT 0.100
- 2000/07/05 00:00UT 0.100

GPS RECEIVER:

- 2009/12/07 19:00UT Leica GRX1200 +GNSS s/n#495171
- 2000/07/05 00:00UT Trimble 4000SSi s/n#3543A13017

GPS Rx FIRMWARE:

- 2015/06/18 16:37UT Firmware 9.20 / ME 6.404
- 2013/11/07 14:08UT Firmware 8.71 / ME 6.112
- 2012/05/08 15:57UT Firmware 8.51 / ME 4.007
- 2011/09/12 14:30UT Firmware 8.20 / ME 4.007
- 2011/02/21 21:50UT Firmware 8.10 / ME 4.007
- 2010/09/08 15:00UT Firmware 8.0
- 2010/05/05 18:30UT Firmware 7.80
- 2009/12/07 19:00UT Firmware ver. 7.53
- 2000/07/05 00:00UT Nav7.29/Sig3.07/Boot3.34

ANTENNA (diagram below):

- 2013/10/23 19:10UT Leica Choke Ring - GLONASS with LEIS Dome
sn 200009
- 2013/10/21 16:40UT Leica Choke Ring w/ LEIS Dome sn 1235
- 2009/12/07 19:00UT Leica AR25 w/ Leica Dome sn9040019
- 2000/07/05 00:00UT Trimble Compact L1/L2 with Ground Plane)
s/n#0080050696

ANTENNA CABLE:

- 2000/07/05 00:00UT FSJ4-50B Superflex 100m

CLOCK:

- 2009/12/07 19:00UT GPS Receiver Internal Clock
- 2000/07/05 00:00UT GPS Receiver Internal Clock

COMPUTER HARDWARE:

- 2009/12/07 19:00UT N/A
- 2000/07/05 00:00UT IBM PII 350 sn 1S627555U23CDR77
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:

- 2000/07/05 00:00UT N/A

UNINTERRUPTABLE POWER SUPPLY:

- 2006/09/05 00:00UT APC s/n#
- 2000/07/05 00:00UT Best Fortress LI1.42KVAB s/n#

STATUS:

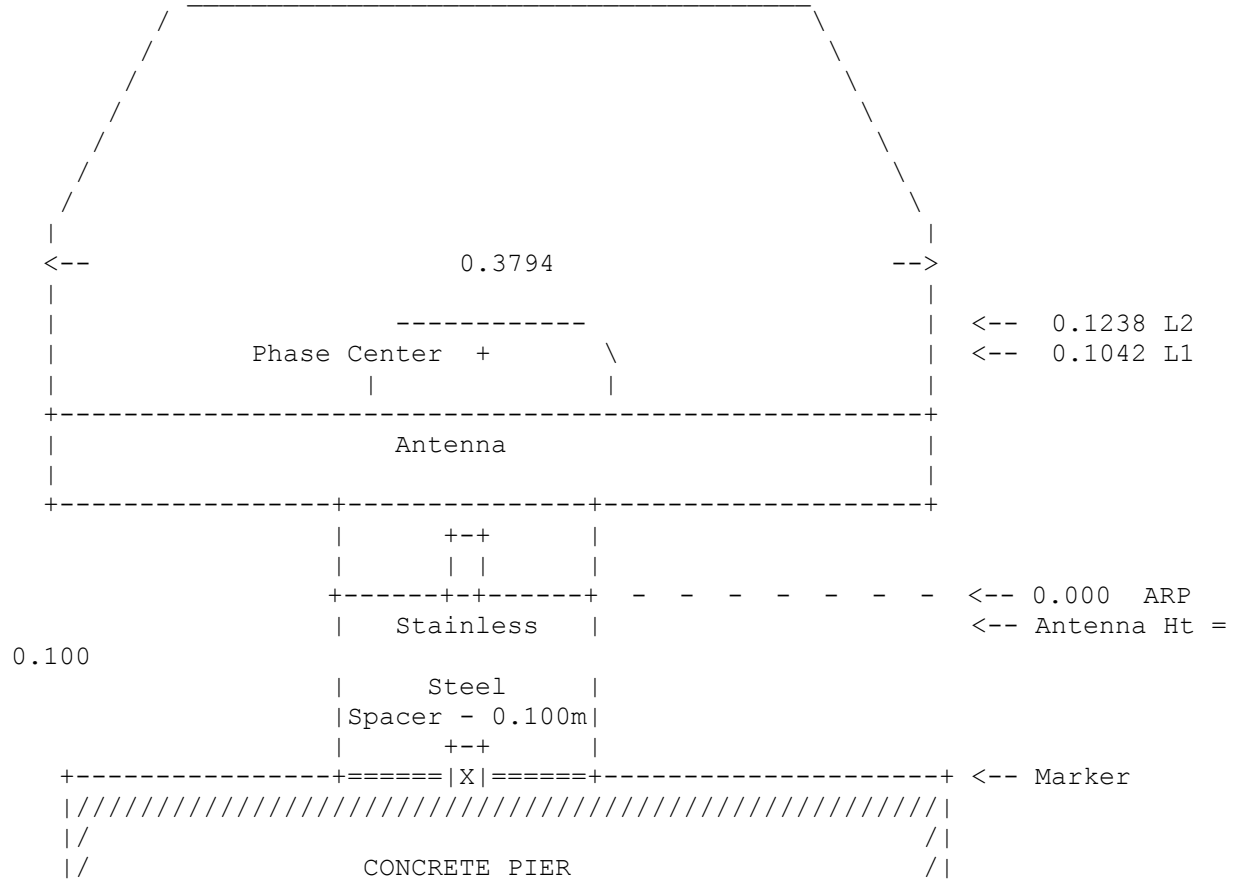
- 2000/07/05 00:00UT Operational

AGENCY: GeoBC
Prince of British Columbia

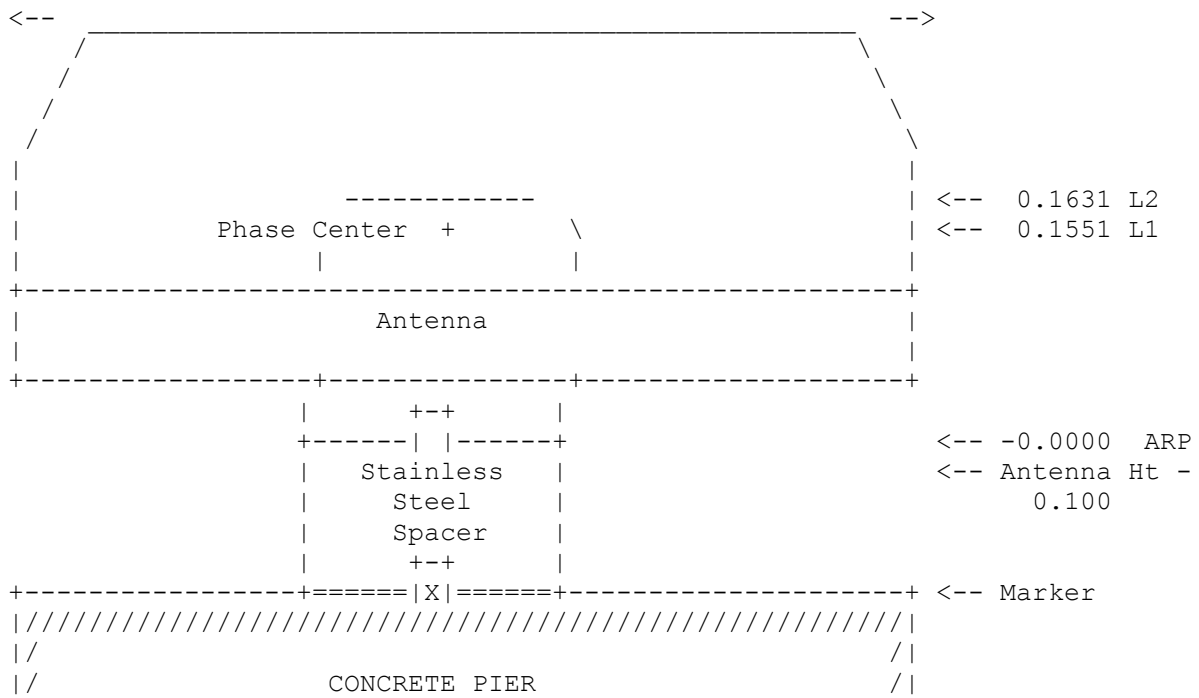
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ANTENNA DIAGRAM:

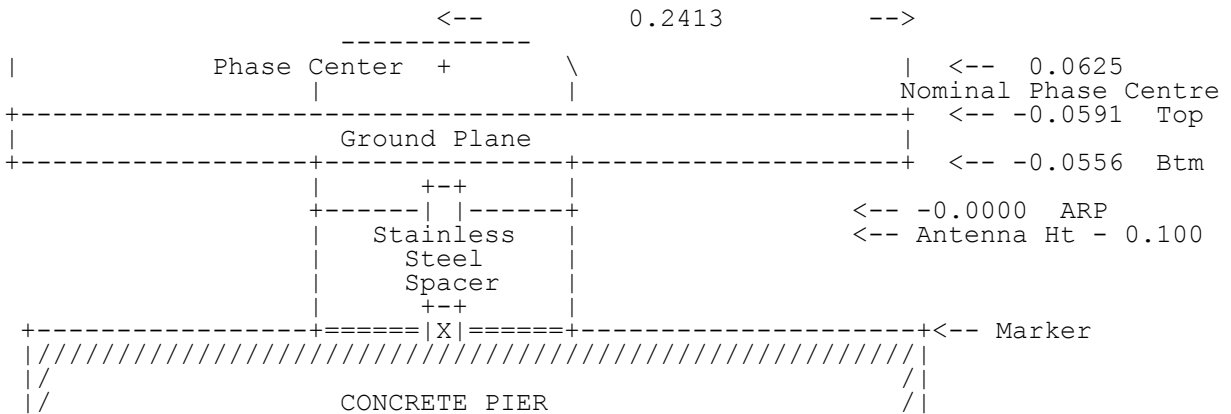
- 2013/10/23 M T Style Leica Choke Ring with Leica dome (LEIAT504GG LEIS)



2009/12/07 Leica AR25 w/ Leica dome (AR25 LEIT)



Trimble Geodetic L1/L2 Compact with Ground Plane (NGS TTRM 22020.00+GP)



Marker - X