

Site Name : Constitucion permanent station	Author : Morvan + Vigny
Site Code : <u>C</u> <u>O</u> <u>N</u> <u>S</u>	date : year 2008 month 01 day 15
Coordinates : Lat. : S 35° 19' 51.4244" Lon. : W 072° 24' 43.6394" Alt. : 38.579 m	

DESCRIPTION

Chili VII region, city of Constitucion. On the roof of the municipality.

MONUMENTATION

The antenna is on the roof of the municipality with a Geodyssea type marker, scealed in concrete + rotating adaptator, height 28 mm.

ACCESS

Go to Constitucion to the municipality (huge red and yellow building). The receiver is in the office of Pablo Cruz, the responsible of Emergencia (90893625 – 98758323, pablocruz_59@hotmail.com). For informations about informatic problems, ask to Jorge Muller (97188295, jmuller@constitucion.cl).

ADDITIONAL INFORMATION

Initial installation with Ashtech ZX-treme and Geodetic-IV antenna
 Operationnal since 28/04/2003 (day 118 of year 2003)
 Receiver SN: ZE120024130 – firmware ZC00
 Antenna PN : ASH 701975-01 / SN: 7159

Upgrade with Trimble Net-RS and Zephyr antenna:
 Operational since 06/12/2007 (day 340 of year 2007)

Charger : Mascot type 10A/12V.
 Battery : Delphy Freedom 40 Ah.
 Antenna cable : 20meters CFP5, small section.
 Network cable : connected to the municipality red and one cruized cable near the receiver.
 Dual power connection : A = 220v, B = 12v battery.

Receiver configuration

Identity CONS
SN4625209633

Firmware 1.1-3 28 Apr 2005

Antenna Type: 86 = Zephyr Geodetic
SN60133697 , "41249-00DC4605"
Height: 0.028 meters
Height Method: Bottom of antenna mount

Clock Steering Enabled

Multipath Reduction Enabled

L2C Tracking Disabled

Elevation Mask 15°

PDOP Mask 7

Pulse Per Second Output Disabled

Reference Frequency Using Internal Source
External source NOT detected

GPS Satellites Disabled: None
IgnoreHealth: None

WAAS Disabled
Enabled Satellites: EGNOS-AOR-E, prn121,
WAAS-AOR-W, prn123, prn124, prn125, prn126,
prn127, prn128, MSAS-1, prn130, EGNOS-IOR,
prn132, prn133, WAAS-POR, prn135, prn136,
MSAS-2, prn138

Reference Station RTCM Station ID: 0
Binex Station ID:
CMR Station ID: 0
CMR Station Name: CONS
Description: Municipalidad Constitucion - Region VII - Chile
Position:
Lat: 35°19'51.42439" S X: 1574088.403 m
Lon: 072°24'43.63940" W Y: -4965800.348 m
Height: 38.579 meters Z: -3667904.971 m

Data Logging Enabled Sessions:

1s: Continuous 1440 minute sessions.
30s: Continuous 1440 minute sessions.
Power Saving Mode: Disabled.
Reserved Space: Not AutoDeleting.
AutoDelete Pools:

y-pool 80 Mbytes AutoDeleting.
z-pool 90 Mbytes AutoDeleting.

Ethernet MAC Address: 00:60:35:04:E5:54
IP Address: 200.1.20.100 (static)
Netmask: 255.255.255.0
Gateway : 200.1.20.254
IP Public : 200.50.124.162

IP Filtering Disabled

Shutdown Voltage 10.68 Volts

ACCESS and SITE SKETCH MAP





Old receiver : ZX-Ashtech



Old antenna : Ashtech Geodetic IV



New receiver : Trimble NetRS



New antenna : Trimble Zephyr Geodetic