

Site Name : Pedregal permanent station	Author : Vigny
Site Code : <u>P</u> <u>E</u> <u>D</u> <u>R</u>	date : year 2006 month 11 day 21
Coordinates : Lat. : S 30° 50' 20.4" Lon. : W 070° 41' 20.9" Alt. : 938 m	

DESCRIPTION

North Chili IV region, district of Limari, city of Pedregal, Hacienda Ivan Varilla Barros. Outcrop near the water reservoir of the Hacienda.

MONUMENTATION

Brass 12 cm rod (Delmont type) scealed in bed rock (sandstone?) + Brass rotating adaptor made at ENS (10/2006), height 44 mm. (+3mm from stainless steel Chilean type used for campaigns)

ACCESS

From Monte Patria, take road to Caren. At the entrance of Caren take left (North) at the fork, in direction of Pedregal. Pass the small village of Pedregal and continue for 2.5 km to Hacienda Mostazal Agua Amarilla. Enter the gate (pictures in description) and go to the main office (left) and ask directions to the outcrop (~700 m from officina). Accessible all year round with a standard car.

ADDITIONAL INFORMATION

Operational since 21/11/2006 (day 325 of year 2006)

Charger : Mascot type 9840 5 Ampère

Battery : Delphy Freedom 40 Ah

Antenna cable Trimble 10meters, small section

Dual power connection : A = 220v from transformeur B = 12v battery

Receiver configuration

Identity PEDR
SN4625209634

Firmware 1.1-3 28 Apr 2005

Antenna Type: 86 = Zephyr Geodetic
SN60154484 , "PN 41249-00 DC 4621"
Height: 0.000 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: PEDR
Description: Pedregal - IV region - Chile
Position:
 Lat: 30°39'30.16021" S X: 1812860.9 m
 Lon: 071°16'00.50210" W Y: -5173571.0 m
 Height: 305.321 meters Z: -3251075.0 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:

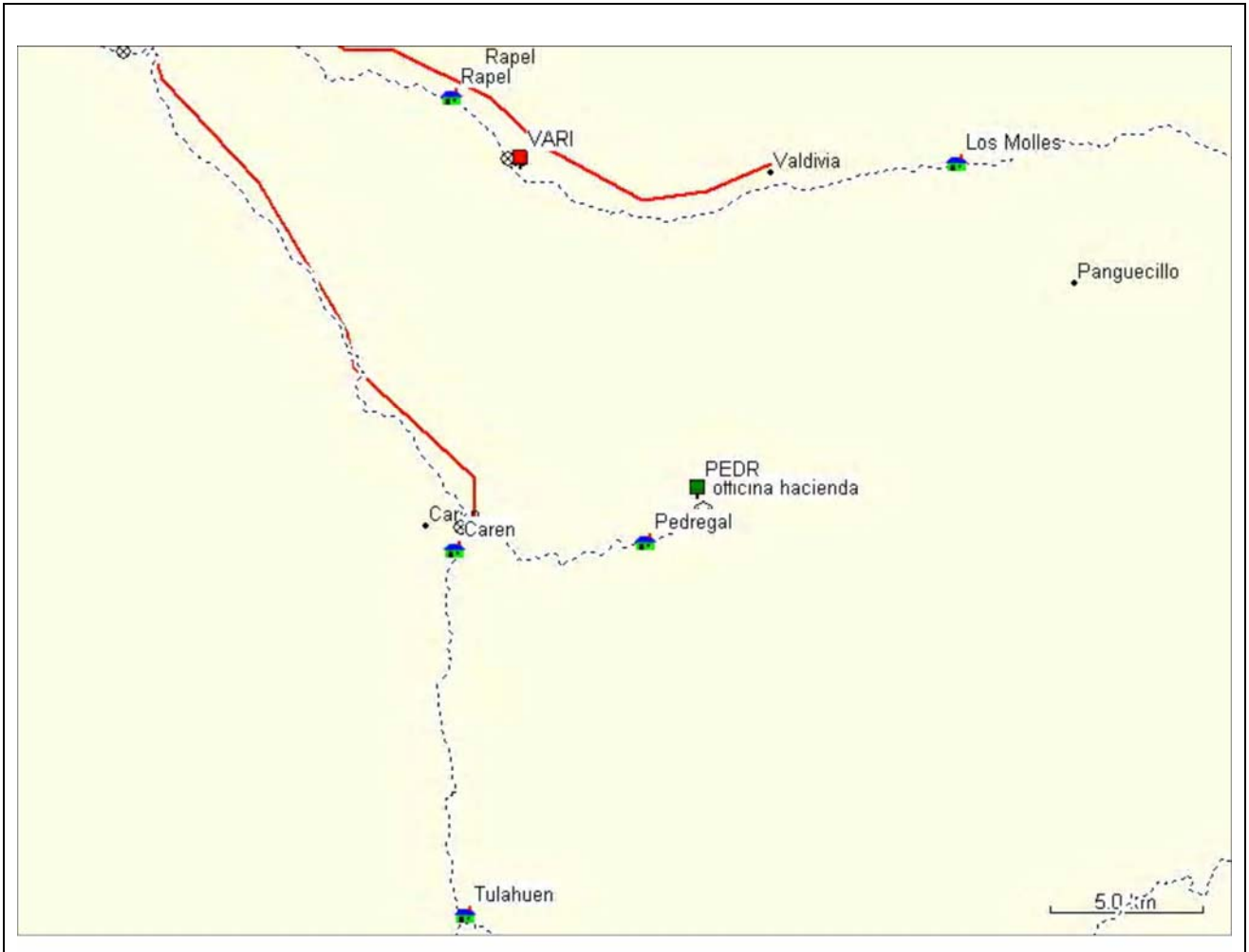
 y-pool 650 Mbytes AutoDeleting.
 z-pool 200 Mbytes AutoDeleting.

Ethernet MAC Address: 00:60:35:03:3E:62
 IP Address: 129.199.96.34 (static)
 Netmask: 255.255.255.0

IP Filtering Disabled

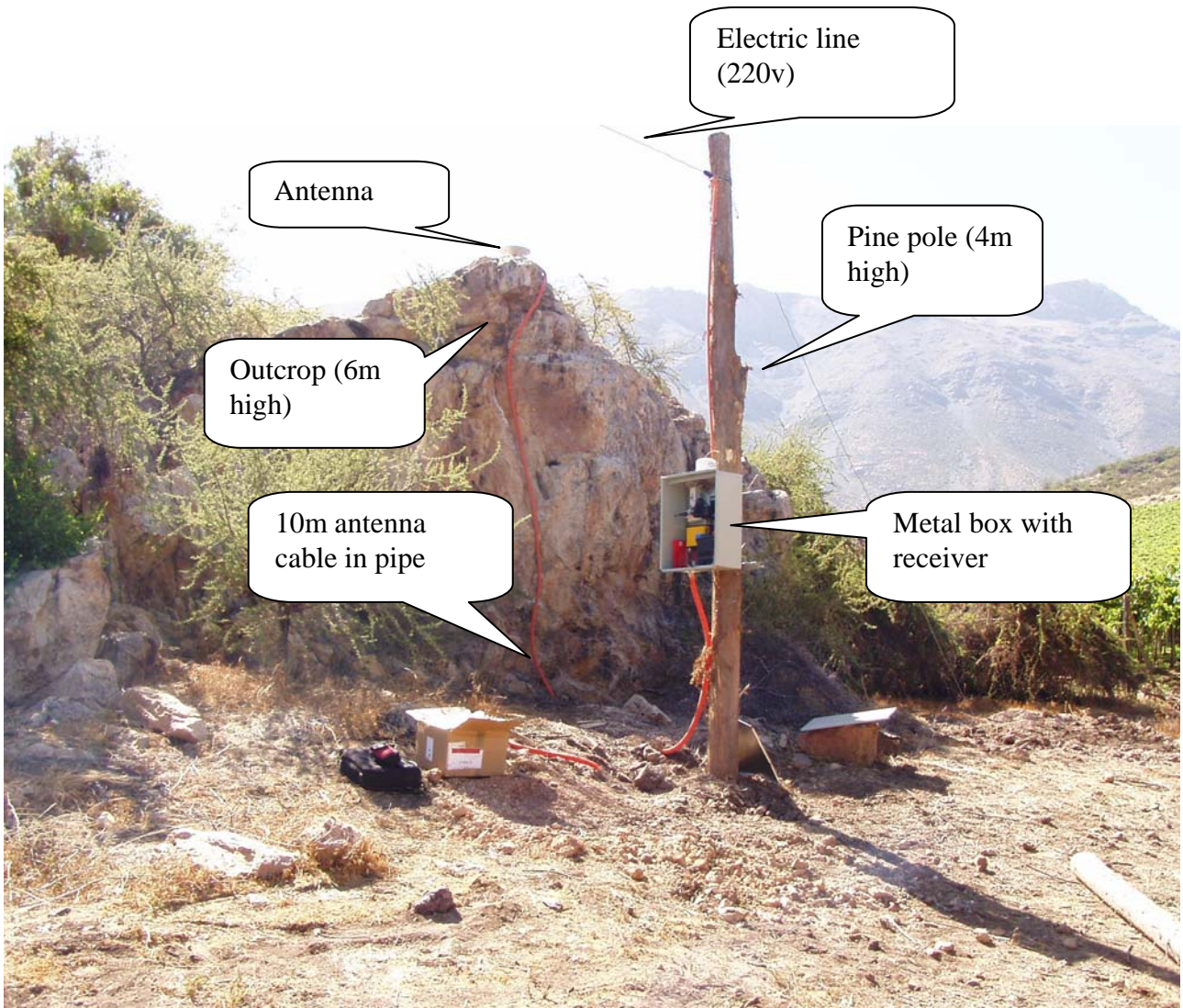
Shutdown Voltage 10.68 Volts

ACCESS and SITE SKETCH MAP



Access to the Hacienda





Receiver in electric box on pole and antenna on outcrop



Installation in box with receiver, battery, charger and cables (220V power supply with 2A fuse)



Trimble Zephyr antenna

INFORMATIONS

May 2007

The receiver was off since 7 april 2007 because no current with the disjoncteur. We ask to the person in the Hacienda to change it, but they didn't. We added a red light on the box to see when the current is off. We will see.... The metal box was not well in the wood pilar, it moved because of sun, water, so check this. The battery was off, we changed it. There are bramble near the antenna, we cut it.

To do next time

- . To add antenna height and xyz position in configuration receiver.
- . update receiver config page with gateway address