

Site Name : <b>Maule permanent station</b>	Author : <b>Morvan + Vigny</b>
Site Code : <b><u>M</u> <u>A</u> <u>U</u> <u>L</u></b>	date : year <b>2008</b> month <b>01</b> day <b>15</b>
Coordinates : Lat. : <b>S 35° 48' 34.56005"</b> Lon. : <b>W 070° 49' 17.22578"</b> Alt.: <b>1185.644 m</b>	

### DESCRIPTION

Chili VII region, area de los Alamos. At the top of the cerro close to Endesa hydroelectric factory.

### MONUMENTATION

Geodyssea type marker, scealed in concrete pilar + rotating adaptator, height 28 mm.

### ACCESS

Go to San Javier. Take the road 115 to San Clemente, and turn left at km 105 (Entrance to Endesa power plant compound). The marker is on the top of the first small hill (heading N-NE), there is also an ENDESA radiotelecommunications antenna. The receiver is in a small house ("Container" visible from the road).

**Ask ENDESA for the keys. ENDESA office ? km on the road before power plant**

### ADDITIONAL INFORMATION

Initial installation with Ashtech ZX-treme and Geodetic-IV antenna  
 Operationnal since 04/09/2003 (day 247 of year 2003)  
 Receiver SN: ZE120024135 – firmware ZE21  
 Antenna PN : ASH 701975 A / SN: 7160

Upgrade with Trimble Net-RS and Zephyr antenna:  
 Operational since 13/03/2007 (day 72 of year 2007)

Charger : Mascot 10A/12V

Battery : Bosch 60 Ah.

Antenna cable : 30 meters, big section.

Network cable : cruzed cable on the receiver.

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

Receiver Configuration

**Identity** MAUL  
SN4606205179

**Firmware** 1.1-3 28 Apr 2005

**Antenna** Type: 86 = Zephyr Geodetic  
SN60145086 , "41249-00 DC 4616"  
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: MAUL  
Description: Region del Maule - VII Region - CHILE  
Position:  
Lat: 35°48'34.56005" S X: 1701483.916 m  
Lon: 070°49'17.22578" W Y: -4891892.732 m  
Height: 1185.644 meters Z: -3711773.287 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 210 Mbytes AutoDeleting.

**Ethernet** MAC Address: 00:60:35:03:3E:FE  
IP Address: 146.83.8.246 (static)  
Netmask 255.255.255.128  
Gateway 146.83.8.200

**IP Filtering** Disabled

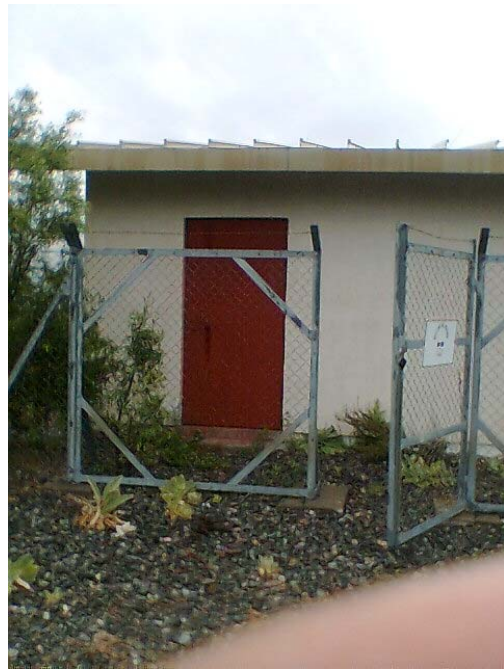
**Shutdown Voltage** 10.68 Volts

**User : maul, passwd:gps\_maule, user : sysadmin passwd : linuxmaule**

## ACCESS and SITE SKETCH MAP



The telecommunication antenna at the top of the hill near the small house where is the receiver.



The small house with the receiver. Aka the keys to the post guard at the bottom of the hill.



Antenna Trimble Zephyr Geodetic on concrete pilar.



Receiver Trimble NetRS



Battery Bosch



Becareful when you go back by walking to the car, take this small passage and not follow to big on the left ..