

Station Notes February 18, 2004

SACO - Sant'Andrea di Conza



GPS route file: RTSACO.mps

Below municipio building in back portion of storage area. Access door on left side of municipio building courtyard.

Municipio building must be open for access. Police may have the actual key for the access door. The police are in the first floor of the same building.

No special servicing requirements.

* Need GPS serial number.

GROM - Grottaminarda



GPS route file: RTGROM.mps

Below INGV building in Grottaminarda. Access to outside through the conference room and down to the small wooden door.

No special servicing requirements.

* Need GPS serial number, but will have to undo the stick it is mounted on to read it.

2004:019 - Added insulation to sensor cover.

2004:019 - Serviced.

SX17 - Pietragalla



GPS route file: RTSX17.mps

In concrete building near grove of trees under power line.

Need to take along key for access.

No special servicing requirements.

* Change sample rate to 100sps on next visit.

* Need sensor and GPS serial numbers, though GPS number may be too difficult to bother.

2004:021 - Serviced station. Noted standing water around sensor and the lack of insulation between flower pot and sensor. Still need to change sample rate from 50 sps to 100 sps.

2004:027 - Serviced station. Retrieved one data flash card. Installed insulated box. Attempted to get GPS serial number, but couldn't get on the roof! The GPS hadn't locked in over 3 hours, so take note on next service run.

VENO - Venosa



GPS route file: RTVENO.mps

Below municipio building. Access door in back.

We will have a key to a gate down a path to the right of the main entrance to the municipio building. This will allow access to the area behind the municipio building.

No special servicing requirements.

* We will have a key to the gate lock and access door at some point.

(May not need the municipio to be open after that.)

* Do not have keys yet.

* Needs sensor cover with insulation.

2004:021 - Serviced station. Still needs insulation and key copy to get into wine cellar.

SGIO - San Giovanni a Piro



GPS route file: RTSGIO.mps

In unused public toilet building near public park/scenic overlook area.

Need to take along key for access.

No special servicing requirements.

2004:003 - Sample rate changed 50sps to 100sps.

2004:016 - Serviced station. Replaced second battery with power supply.

CAVE - Capaccio Vécchio



GPS route file: RTCAVE.mps

In grove beyond owners house. Must park at the house and walk.
No special servicing requirements.

* Station may need to be moved to more solid ground.

2003:361 - Changed sample rate 50sps to 100sps.

2004:024 - Stopped acquisition, noting that the GPS hadn't locked for 25 minutes and was still searching for satellites. Removed sensor from hole, expanded and deepened hole, and found that there is no solid bedrock yet exposed to fasten onto at the bottom of the hole. Poured large cement pedestal, attached to solid rock wall, but cement did not dry after 2 hours. Need to return to finish installation, add foam insulation, and check on GPS lock (which still had not occurred before departure).

2004:026 - Completed installation, including adding foam insulation. GPS locked ~25 minutes before, so it seems to be working. Difficulties with centering led to locking and unlocking the station a second time, with the final result of channel #1 reporting a +1.1 centering voltage. This remained true even after further attempts at centering. Residence owner invited the team in for a fantastic lunch, including homemade bread, sausage, wine, and olives. Incredible hospitality makes this an excellent site for service calls!

C02 - Cocozella



GPS route file: RTC02.mps

In old house on owner's property. Building is used for storage.
No special servicing requirements.

SIMO - Cetraro



GPS route file: RTSIMO.mps

In an unused pig sty down the hill from owner's house(s).
No special servicing requirements.

* Solar panel may need to be moved when trees start to get leaves.

2004:013 - serviced station. Battery dead, installed solar panel, and station seems to be operating fine.

SMLC - San Marco la Catola



GPS route file: RTSMLC.mps

In storage building behind the convent down driveway on the right side of the building.

Will need to call ahead for access (to get gate opened).

No special servicing requirements.

* Need GPS serial number.

* Needs to have batteries replaced with an AC power supply.

2004:019 - Serviced station. Installed power supply and removed second battery. Sensor was off-center, and it took several tries to get acceptable centering voltages.

MONT - Montella



GPS route file: RTMONT.mps

In equipment building/room with large heating unit near monastery.
Will need to call ahead to make sure caretaker will be there for
access.

No special servicing requirements.

* Need GPS serial number.

* Batteries need to be replaced with an AC power supply.

2004:027 - Serviced station, retrieving 1 data flash card. Obtained
GPS serial number and replaced 2 batteries with a power supply and a
single battery. Note: electricity was initially turned off, but we
found a red lock box just outside the door with a breaker switch. Once
turned to the "ON" position, the room had electricity. When leaving
the station site, we bumped into the Michele who asked (again) for a
hard copy of a letter of permission from the boss of Montella for
participation in the experiment. After discussion, we decided that
approaching the boss may stir up more trouble, so no action was taken.

CRAC - Craco



GPS route file: RTCRAC.mps

In heater room of small church building. Door is to the left of the main entrance of the church.

No special servicing requirements.

* Need GPS serial number, though it may be more trouble than it is worth.

2004:020 - Serviced station. Everything looked OK.

CRB - Centro Ricerche Bonomo



GPS route file: RTCRB.mps

In room (1 of 3) under the area near the tennis courts.

No special servicing requirements.

Keep wiring off the ground to prevent them from being chewed on by foxes.

2004:020 - Put new fencing in place.

Ch3 centering voltage was out of range. Recentered OK.

MC2 - Moccione



GPS route file: RTMC2.mps

In storage room with access from the backyard of summer house.

Contact Dr. Guerra for key.

No special servicing requirements.

TRIC - Tricarico



GPS route file: RTTRIC.mps
In storage shed on owner's property.
No special servicing requirements.

* Need more accurate GPS positions/elevation on next visit.

2004:020 - Serviced station. Retrieved more accurate GPS location of station with hand GPS monitor. Received keys from Michele. Future visits can be made without calling, but must park outside front gate and walk around.

SILV - Silvana Mansio



GPS route file: RTSILV.mps

In shed behind main hotel building. No key needed for access.

No special servicing requirements.

* May have left an extra sensor to DAS cable in the building on top of the propane tank. Check for it on next visit.

SAVE - Savelli



GPS route file: RTSAVE.mps

In basement of forestry service building.

Contact occupants before arriving for access.

No special servicing requirements.

* Check that the GPS has been locking on next visit. Had trouble getting it to lock during installation.

CAMP - Campana



GPS route file: RTCAMP.mps

In the crypt of the church attached to the bell tower in the picture above (side of the church is on the right side of the picture).

Call priest before arriving for access.

SPECIAL SERVICING REQUIRED: DAS has no GPS attached.

- Disconnect sensor from DAS
- If the batteries are not discharged too far disconnect 2nd battery from the first one (connected with automobile jumper cables)
- Carry DAS and battery outside
- Connect GPS and allow it to lock
- Stop acquisition
- Reverse procedure after servicing

* Batteries need to be replaced by AC power supply. Power supply will need to have alligator clips to connect to the battery with until a permanent GPS cable is installed.

* PASSCAL will be sending extra GPS cables and couplers to make a longer GPS cable.

ILCA - Castellaneta



GPS route file: RTILCA.mps
In tin storage shed behind ristorante.
No special servicing requirements.

2004:020 - Serviced station. Everything looked good.

ALTO - Altomonte



GPS route file: RTALTO.mps
In rundown building in new olive grove.
No special servicing required.

* Need sensor and GPS serial numbers.

POLA - Polla



GPS route file: RTPOLA.mps
In cave on side of cliff behind the convent.
Call ahead for access.
No special servicing requirements.

2004:022 - Serviced station. Solar panel shifted to capture more direct sunlight. Battery voltage at 12.0 V. Needs monitoring to determine if a second solar panel needs to be installed. Replaced Styrofoam box with large insulated potter. Required built up topsoil to seal gap at base. Station was not level, so adjusted feet. Removed rocks precariously positioned above station.

2004:026 - Serviced station again. Retrieved 1 data flash card and checked battery voltage. Past two sunny days appear to have improved solar panel input (as well as repositioning effects), but added a second solar panel as well to ensure that the battery stays charged. Second panel required an extension of the wire, so monitoring should be done to make sure splicing was completed successfully

RCCL - Rocca Cilento



GPS route file:
In storage room of private residence.
Call ahead before servicing.

* GPS serial number note recorded

PIAG - Piaggine

(no picture)

GPS route file:

In unused storage room of private residence. Must call ahead before servicing. Copy of key will be provided later.

* Operating on 2 batteries. Need to replace one with power supply.

2004:026 - Serviced station. Retrieved 1 flash card of data. Replaced 2 battery configuration with a single battery and a power supply. Wall adaptor of power supply included a middle third prong for a ground which could not be inserted into the 2-prong wall adaptor. Solution: the middle prong was sawed off. Future solution could be to replace the plug on the power supply or to at least monitor its behavior to ensure no ill effects from brute-force method of problem-solving. Noted building construction going on next door - possible source of noise in data. Received key to site.

PICE - Picerno

(no picture)

GPS route file:

In abandoned school.

Call ahead for access.

Key copy will be provided later.

2004:027 - Serviced station and obtained a copy of the key to the abandoned school building. Everything looks ok.