



[PNCT] -15.48258 168

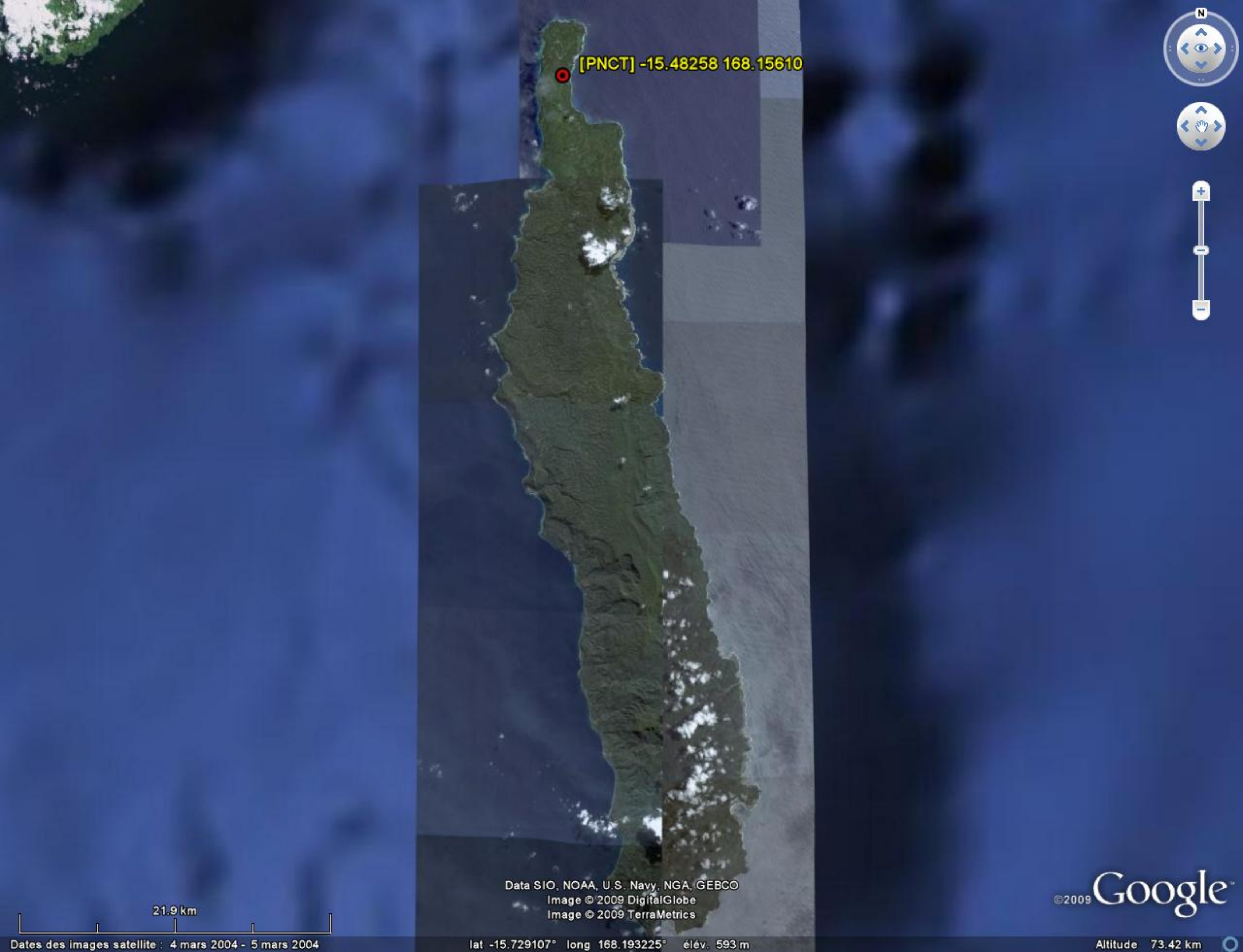
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Data SIO, NOAA, U.S. Navy, NGA, GEBCO
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54 km

lat -15.336752° long 167.474620° élév. -2395 m

Altitude 180.37 km



[PNCT] -15.48258 168.15610

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21.9 km
Dates des images satellite : 4 mars 2004 - 5 mars 2004

lat -15.729107° long 168.193225° élév. 593 m

Altitude 73.42 km



[PNCT] -15.48258 168.15610

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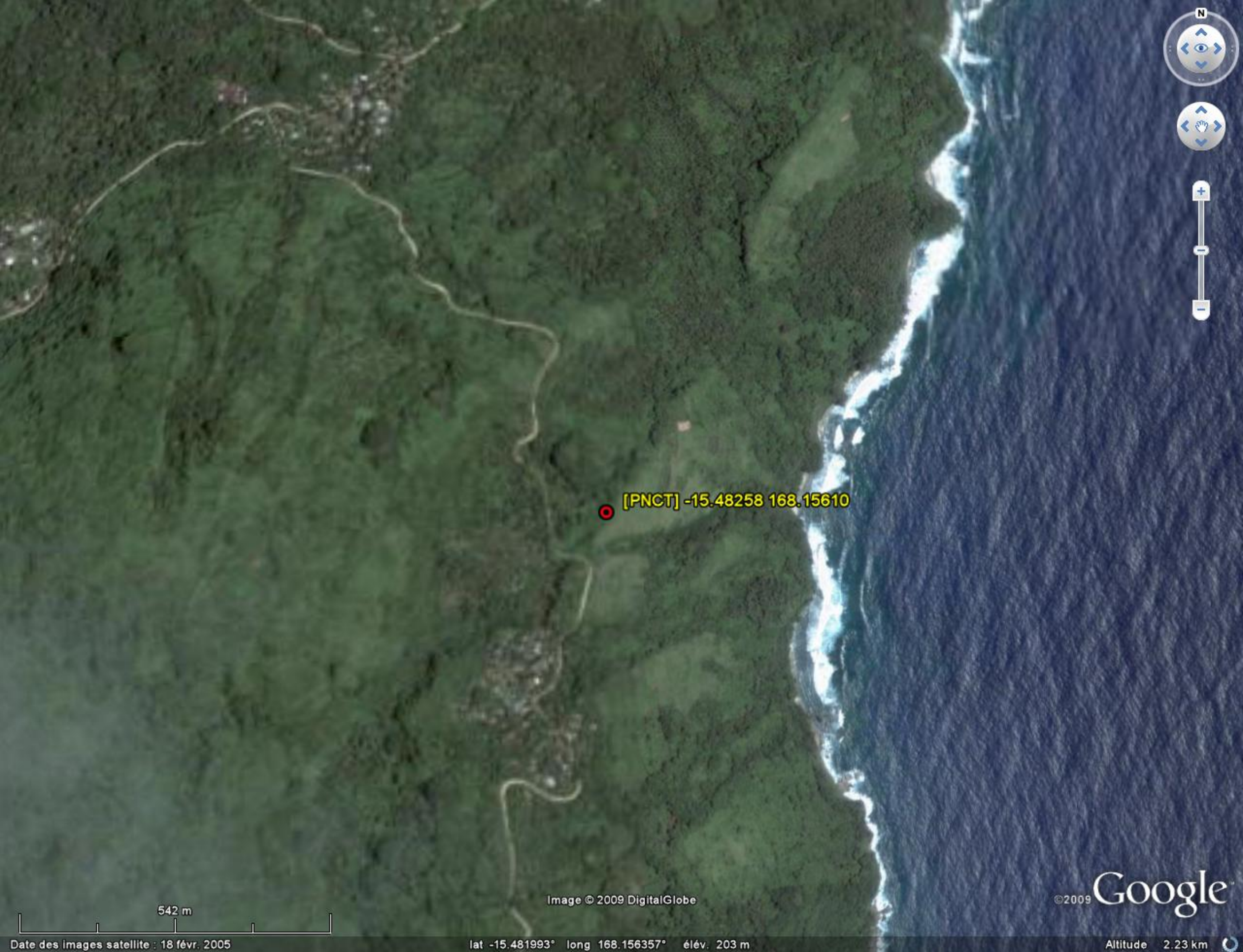
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4.37 km

Dates des images satellite : 17 févr. 2005 - 18 févr. 2005

lat -15.481360° long 168.161487° élév. 0 m

Altitude 11.97 km



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542 m

Date des images satellite : 18 févr. 2005

lat -15.481993° long 168.156357° élév. 203 m

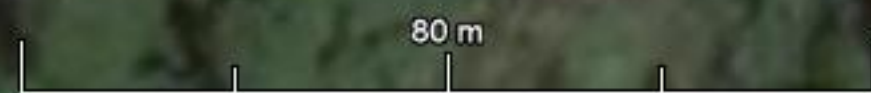
Altitude 2.23 km



[PNCT] -15.48258 168.15610

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Date des images satellite : 18 févr. 2005

lat -15.483075° long 168.155879° élév. 220 m

Altitude 544 m

NORD PENTECOSTE VANUATU

Acronyme: PNCT.

Lat: 15° 28 S

Latitude: -15.48258

Lon: 168° 09 E

Longitude: 168.15610

Hauteur: 294.63 m

H: 300

IMPORTANT: OBLIGATOIRE d'enmener un TREPIER

Situe au nord de l'ile. de la piste d'aviation de SARA,
Prendre la route vers le village de ATANGURA. A 200 metres
dans une courbe avant le village, prendre a gauche un petit chemin a pied
100 metres.

La station se trouve sur un plateau en pointe en bordure de falaise
Le point est a 60 Cm sous le niveau du sol. sous une tole.

Site expose au vent. Bien faire nettoyer les alentours bien large
car les incendies sont frequents dans la paille et les roseaux.

Main d'oeuvre 500vt jour.

Prevoir sa nourriture

Eau de pluie

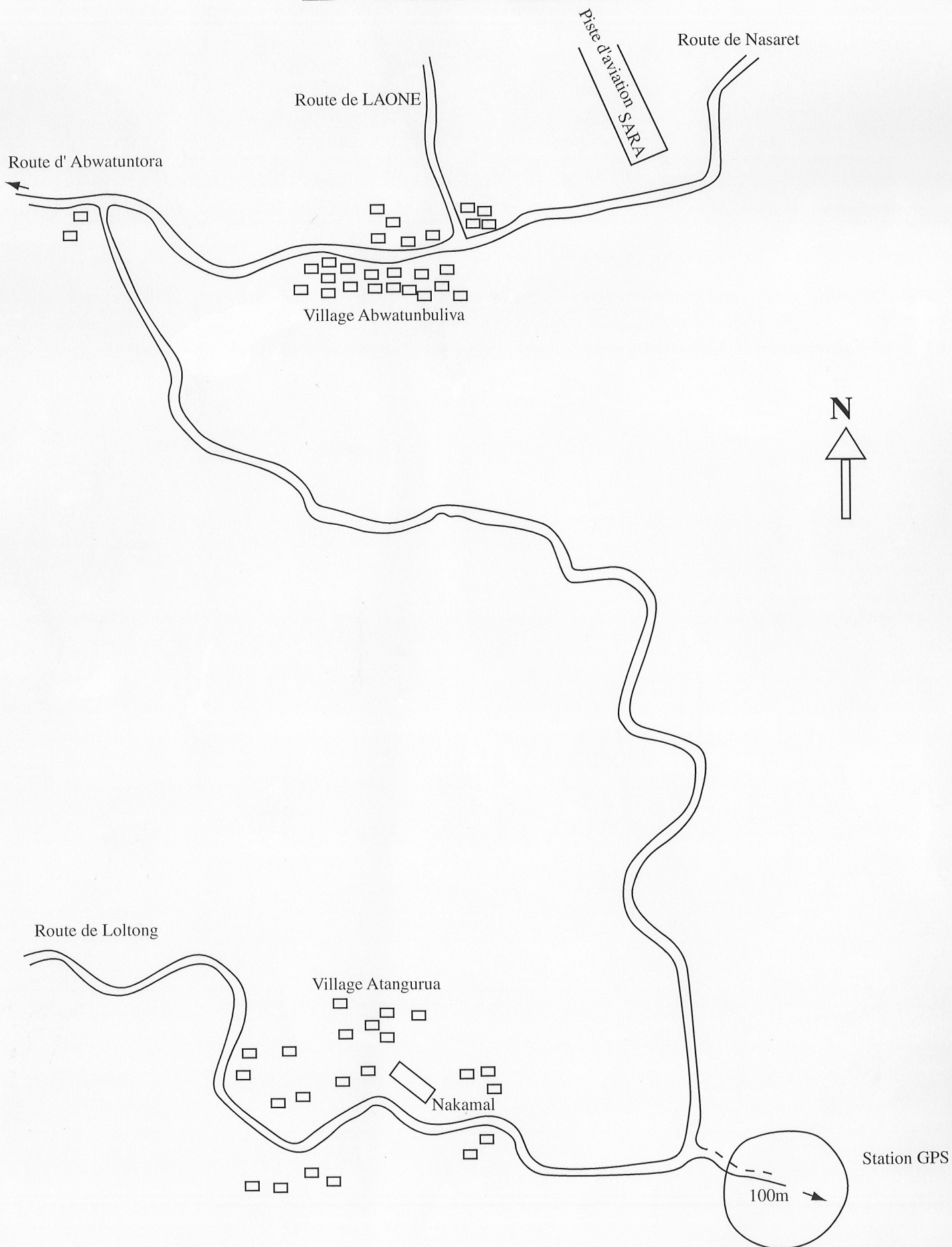
Electricite au village de ABWATUNTORA

Se loger au village meme.

Super kava le soir.

ACRONYME : PNCT
Lieu dit : Sara
Ile : PENTECOTE (Vanuatu)

Latitude: -15.48258
Longitude: 168.15610
Hauteur: 294.63 m



1989 SW Pacific
Project

UNAVCO I

UNAVCO GPS Station Description

Station occupied by Name Jim Walseth
Address 1025 HARTFORD DR. BOULDER, CO 80503
Phone (303) 444-3144

Date 89 7 3Station Name PENTACOST 4 char. ID PNCT

Latitude _____ Source of Position _____

Longitude _____

Elevation 202 mStation Location 300 m from village of Atangurua, N. Pentacost, VANUATU

Other Names _____

Topographic maps showing location _____

Magnetic Declination 12° E

Site owner/contact Name THOMAS LIU
Address Atangurua, North Pentacost
Phone _____

Road log description of route to station mark (include mileage from well known location in the nearest town).

FROM THE VILLAGE OF ATANGURUA, PROCEED NORTH
(downhill) APPROXIMATELY 300 ~~YDS~~ M OR UNTIL A SMALL
ROAD CUT APPEARS ON THE RIGHT. THIS LEADS TO THE
SITE ~100 METERS. WHILE DESCENDING FROM ATANGURUA
THE SITE IS UNMISTAKEABLE AS A LARGE CLEARED AREA
WITH MUCH EXPOSED CORAL LIMESTONE.

UNAVCO 2

Site Description

THE SITE OCCUPIES A RIDGE OF CORAL LIMESTONE ARCING OUT EAST AND NORTH FROM THE STEEPLY ~~AND~~ ANGLED EASTERN SLOPE OF NORTHERN PENTACOST. THE SITE WAS CHOSEN BECAUSE OF THE PRESENCE OF EXPOSED ROCK. THE PRIMARY MARK IS IN A HOLE 21 meter deep DUG DOWN THROUGH THE SOIL TO INSURE THE STABILITY OF THE MARK. THIS HOLE IS FOUND NEAR THE FAR END OF AN ~800 m² CLEARED AREA ON THE RIDGE. NEARBY ARE 3 OTHER REFERENCE MARKS. BEST TENT SITES ARE DOWN OFF THE RIDGE TO WEST FOR SHELTER FROM WIND.

Distance and azimuth between reference and station marks.

Reference 1

Name _____
Bearing (mag) _____
Distance (m) _____

Reference 2

Name _____
Bearing (mag) _____
Distance (m) _____

Reference 3

Name _____
Bearing (mag) _____
Distance (m) _____

Other information (can the site be accessed by car, how many lengths of cable are needed, is there external power, what is needed at the site to make the operator more comfortable? ect.)
VEHICLES APPROACH TO WITHIN 50m
1 length cable ADEQUATE, NO POWER

Local Accommodations

NAGAMAL: central public house in village provided many lunches and kava

GUEST HOUSE: BAMBOO STRUCTURE WITH 4 BEDS, BEAUTIFUL VIEW OVERLOOKING VILLAGE, SLEEP AND DINE HERE

Places to charge batteries

Nazareth school has a small generator operated four hours in the evening. MICHAEL is the driver/mechanic and charged two batteries for 600 VT

Local contacts

GUIDES: JOSEPH STEVEN and TIMOTHY WAI, provided 24 hr assistance and tours PAID: \$2.50 US/day

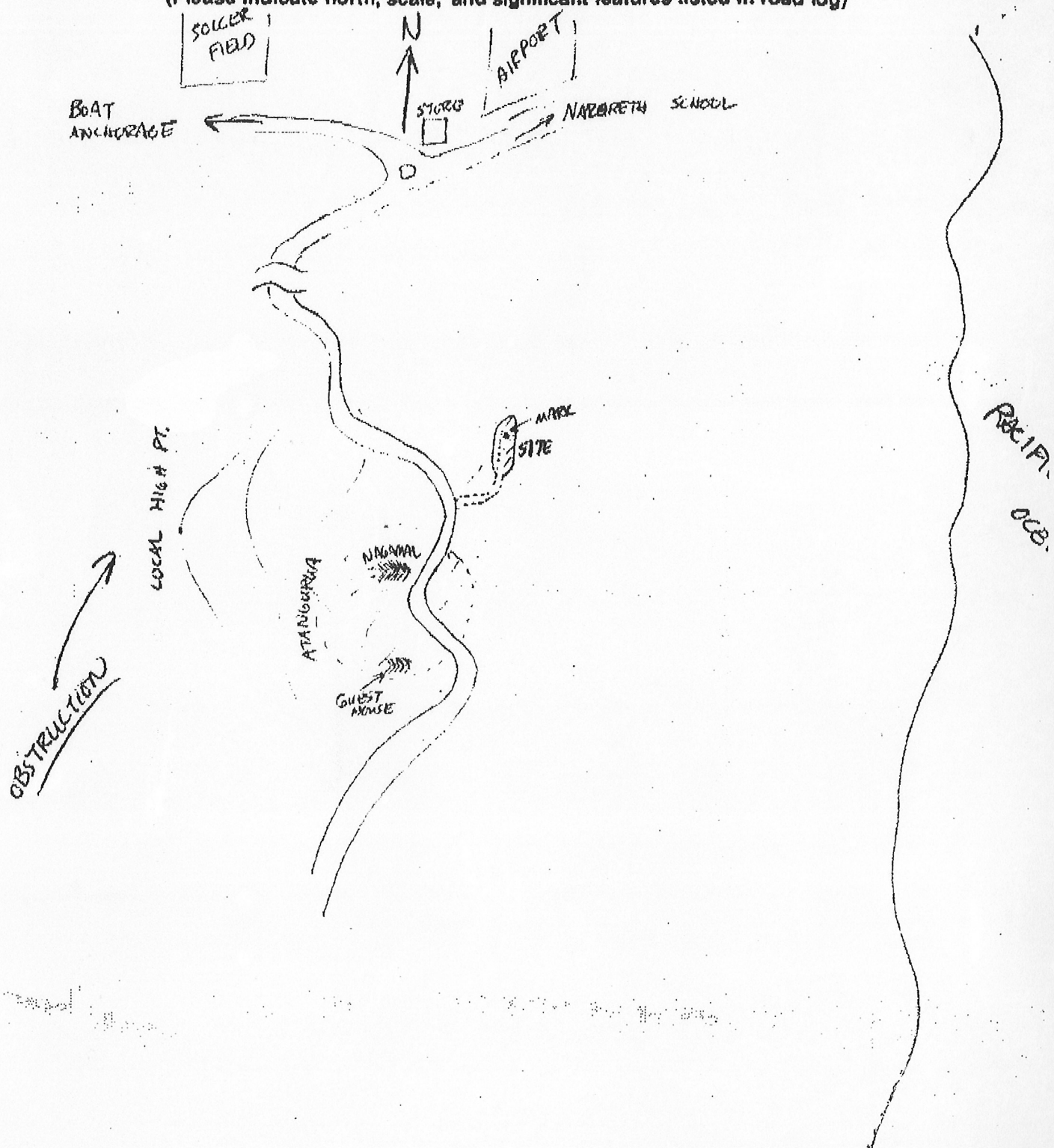
HOST: LEBAN TABAH provided more food than any PAID: \$30 per 5 day.
while man could eat while we stayed in guest house

→ ORGANIZER: THOMAS LIU made general arrangements for clearing site, accommodations, etc. PAID \$2.50/man/day for site clearing

UNAVCO 3

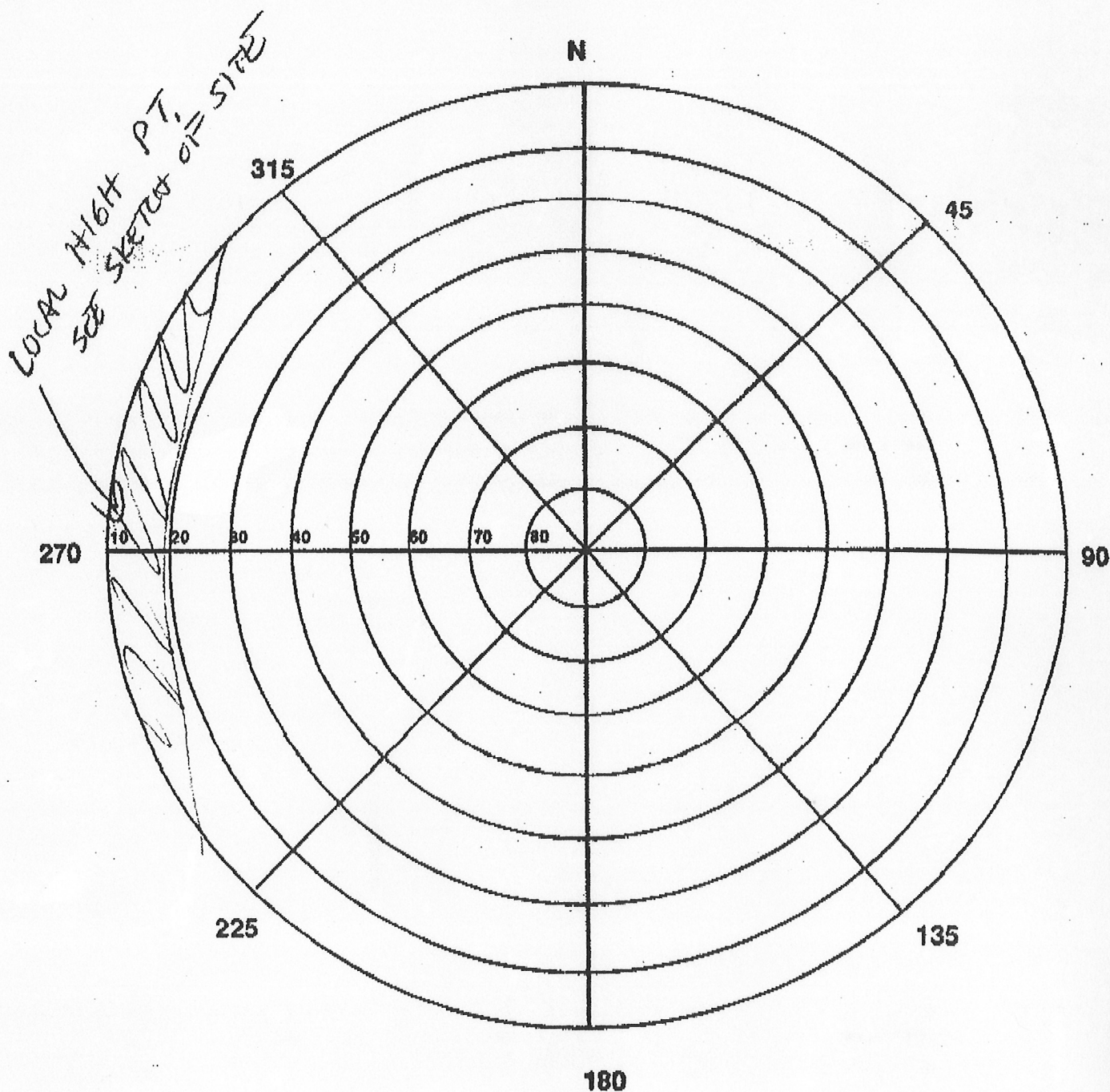
Sketch of Site

(Please Indicate north, scale, and significant features listed in road log)



UNAVCO Obstruction Diagram
Identify all obstructions

UNAVCO 4



UNAVCO 5

Other station information

Fill out as time permits

Communication at site

1) Types and location of communications (Telex, Teletype, radio)

THERE ARE TWO TELEPHONES ON THE ISLAND, OR SO I WAS TOLD;
I NEVER SAW ANY.

2) Overseas communication [↑]

- Location _____
- Quality and cost _____
- Operating hours _____
- Time difference from UNAVCO _____
- Country, state, and town long distance codes _____

3) Transportation

- Airport - Types and frequency of flights, cargo offices, price per kilo shipments

~~NO FLIGHTS TO PENTACOST SCHEDULED AS~~
~~OF REGULAR FLIGHT SERVICE TO PENTACOST~~
STOPPED ~ JUNE, '89. AIRPORT IS INTACT HOWEVER

- Transportation from airport to site (type and availability)

THERE ARE TWO OR 3 4-WHEEL DRIVE
VEHICLES KNOCKING ABOUT, AND WILL HAUL PERSONS
AND EQUIPMENT

4) Other Local contacts - Name address and phone number of people providing assistance and the type of assistance provided.

DOUGLAS CHARLEY, ORSTOM PORT VILA
IF YOU ARE ATTEMPTING ANY OF THIS WITHOUT
HIM I WISH YOU LUCK

CLAUDE REICHENFELD ORSTOM PORT VILA
ORSTOM LIASON IN VILA

AUGUSTINE, PENTACOST NATIVE CURRENTLY WORKING
AS GEOLOGIST* MAY BE WILLING TO ACT AS GUIDE,
ASSISTANT, TRANSLATOR

*IN PORT VILA

5) Power

- Type of power, voltage variance, and stability. BRING YOUR OWN POWER. SCHOOL HAS A GENERATOR, BUT NOT RELIABLE
- Location of stores to buy batteries, price of batteries, voltage and amp hrs available. NONE
- External power available, distance from power to receiver NONE
- Best place to charge batteries BRING A GENERATOR, BUT IF YOURS FAILS YOU MAY BE ABLE TO GET A CHARGE FROM THE MARGRETH SCHOOL GENERATOR,

6) Repair and maintenance facilities

- Local hardware stores NONE

7) Lodging and restaurants

- Local hotels recommended and prices in U.S. \$. NONE
STAY IN THE VILLAGE, THE GUEST HOUSE IS COMFORTABLE, AND THEY WILL STUFF YOU WITH LOCAL FOOD IF YOU WISH. EXPECT TO REPAY ~\$500 US FOR EACH DAY OF ST
- Restaurants- the good, the bad and the ugly NONE, BUT IF YOU WANDER INTO THE MARAMA, YOU WILL BE OFFERED COMMUNAL FOOD. I ATE EVERYTHING AND WAS NEVER ILL, ALTHOUGH I WAS VERY FULL. BUSH IS FULL OF GOOD FOOD, AND PEOPLE WILL GIVE YOU GRAPEFRUIT, PAPAYA, BANANAS, SUGAR CANES, COCOA, COCONUTS, MOUNTAIN APPLES, OR FIND THEM YOUR

8) Local sanitation conditions

- Can you drink the water? YES, TWO SOURCES: 1. RAIN WATER 2. ALPESIAN SPRING BOTH GOOD
- Mosquitoes and other bugs? NOT 1 MOSQUITO, SOME BITING ANTS AND SCORPIONS AT SITE

LARGE RAINWATER CISTERN 100' AWAY BEYOND GUEST HOUSE PROVIDES WATER FOR BATHING, WHEN ASKED IF YOU WOULD LIKE "A SWIM" THIS MEANS A BATH, WHICH IS REALLY A SPLASHDOWN BUT FEELS GREAT

UNAVCO 7

9) Medical clinics or doctors

- Are emergency medical services available (location and type)?

DOUBTFUL, DON'T GET HURT

- Local phone number which could be called in case of emergency (i.e. local contact familiar with the project) NO PHONES

10) Contact at the Local U.S. Embassy or consulate

NA

11) Time of year and climate during site occupation. What clothing do you recommend for operator comfort and a successful survey. Any other equipment which would make the stay more enjoyable (camp stove, radio etc.).

MY OCCUPATION WAS LATE JULY / EARLY AUGUST "DRY SEASON"
BUT IT WAS QUITE WET, AND FREQUENTLY WINDY AT
SITE. STILL I NEVER RECORDED A TEMPERATURE BELOW
19° C. CLEAR NIGHTS ARE THE COOLEST, FOR THESE A
LIGHT BUNTING JACKET AND LONG PANTS WERE COMPLETELY
ADEQUATE

12) Location of banks, hours of operation, exchange rate NO BANKS

- Name and address of bank where money can be wired.

- Is it proper to tip? If so how much?

- How much for a cold beer? NEVER SAW ONE

13) Are the people friendly. Do you feel you and the equipment were safe? Any other conditions that could adversely effect operations.

PEOPLE WONDERFUL.
CRIME IN ATANGUEUA IS EVIDENTLY UNHEARD OF. A "TABOO"
SIGN - ACTUALLY A SPECIAL POLICE FRONT - WAS PLACED IN THE
ACCESS ROAD AND WAS MONITORED WHEN I WASN'T THERE

UNAVCO 5

Other station information

Fill out as time permits

Communication at site

1) Types and location of communications (Telex, Teletype, radio)

Telephone Bldg 73 100m N of GPS site between GTS site
& house of Mark Melin - NOT working #3205

2) Overseas communication

- Location Telephone only AT Bldg 100m S of Mark
- Quality and cost Melin's house cheap for local
- Operating hours When you can find someone to let you in
- Time difference from UNAVCO +17h25
- Country, state, and town long distance codes _____

3) Transportation

- Airport - Types and frequency of flights, cargo offices, price per kilo shipments Airport ~ 10-15 km from site
~ 3 flights/week

- Transportation from airport to site (type and availability)

ARRANGE for truck - Ask who has one

4) Other Local contacts - Name address and phone number of people providing assistance and the type of assistance provided.

NORD PENTE COST

1001 112



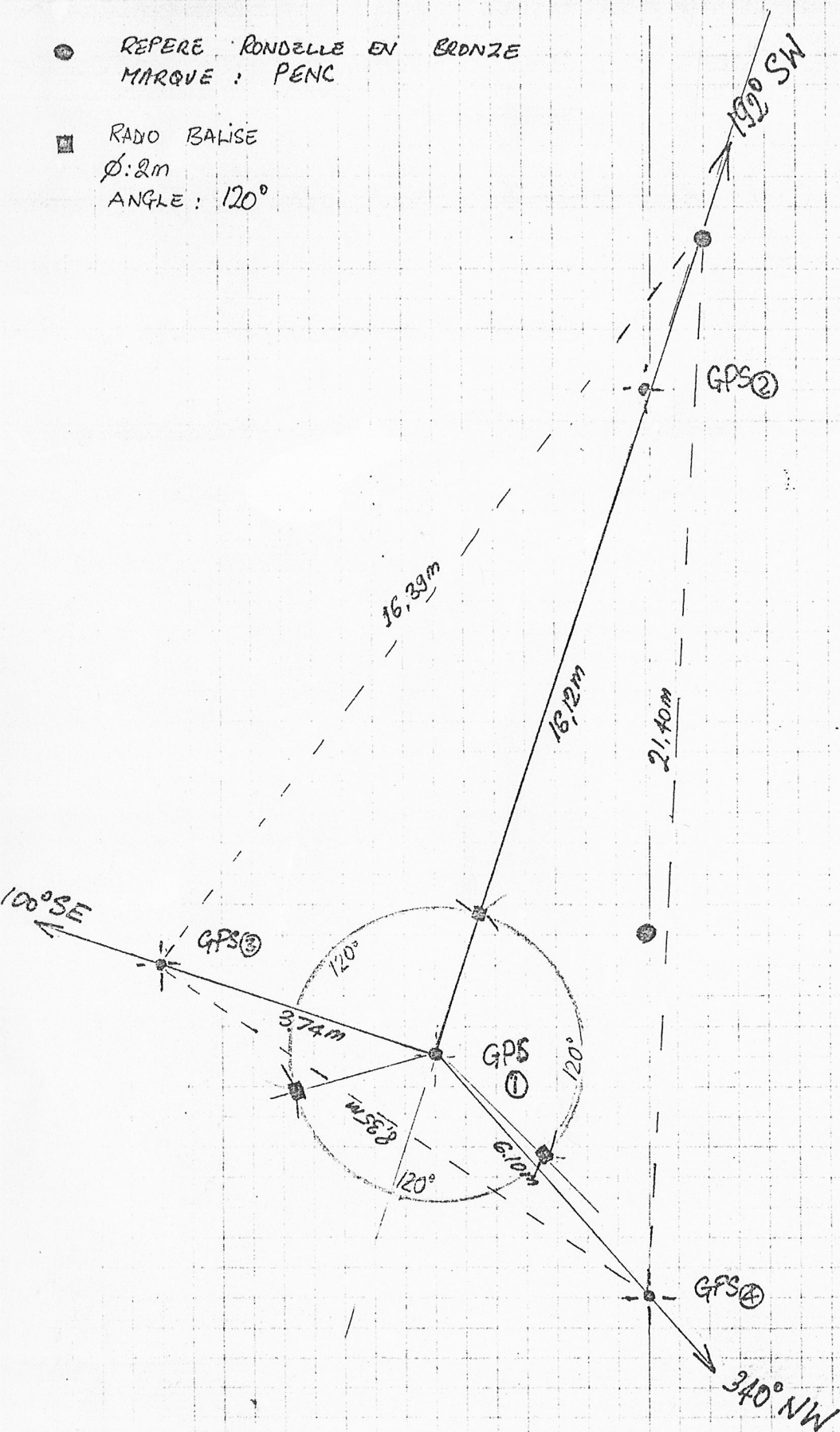
BENCH MARQUE ACIER INOX



REPERE RONDELLE EN BRONZE
MARQUE : PENC



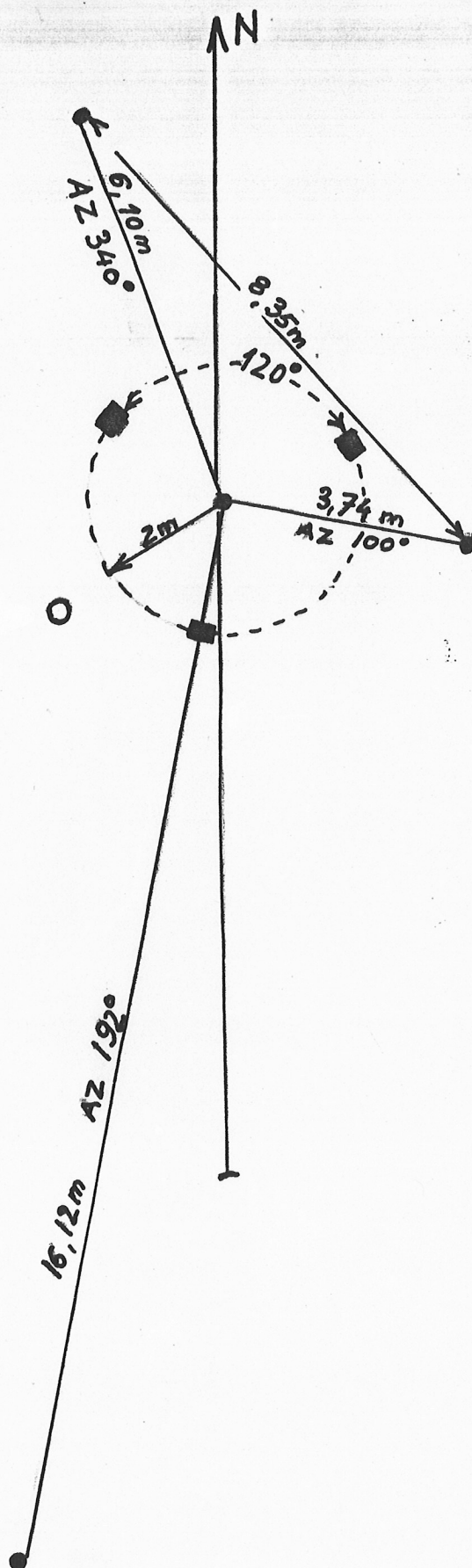
RADIO BALISE
 $\phi: 2m$
ANGLE: 120°



PENC

SARA
N Palecoke
PMCT

- Bench mark inox
- Balise radio
- Bench mark bronze

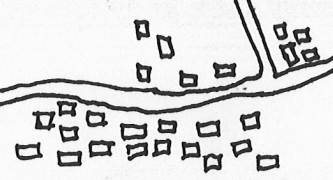


ROUTE D'ABWATUNTORA

ROUTE DE LAONE

ROUTE DE NASAKET

SARA

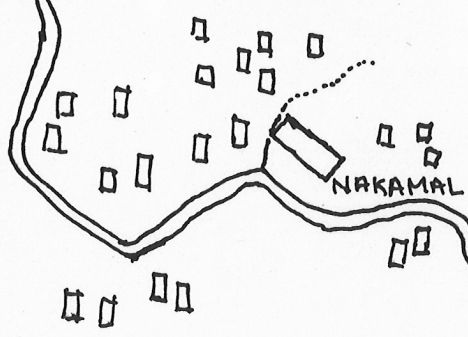


ABWATUNBULIVA
VILLAGE

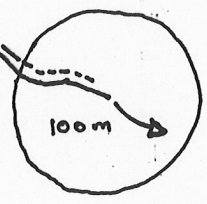


ROUTE DE LOLTONG

ATANGURUA
VILLAGE



NAKAMAL



STATION
GPS

ILE PENTECOTE

NOM ATANGURUA

Coordonnees :

Nombre de benchmark : 4

Profondeur: 50cm

Roche: dure

Nombre de balises radio : 3 $\phi 2m$ - Angle: 120° basé dans l'axe $192^\circ SW$.

Nombre de "station identifiées" : 2

marquage : PENC sans
fleche point n°2.Date d'installation : 17 Aout 1988 par F.Taylor et
Charley.PENC avec fleche
point principal.

Reperes caracteristiques

!	Objet	Azimuth	Distance	!
!	Borne GPS 1			!
!	Borne GPS 2	$192^\circ SW$	16,12m GPS 1	!
!	Borne GPS 3	$100^\circ SE$	3,74m GPS 1	!
!	Borne GPS 4	$340^\circ NN$	6,10m GPS 1	!

Pieces fournies (dessins, cartes, photos) :

Personnalites a voir sur place : Secetaire regional Nord Pentecote a
Abwatuntora. Chef du village de Atangurua.

Hbergement : Case de passage a Abwatuntora, un store.

Vehicules : Conseiller regional?

Electricite : Oui. Abwatuntora dispensaire.

Divers : Avion 3 fois /semaine. Bateau presque toutes les semaines.

Methode d'approche : De l'aeroport environ 2Km prendre la route
d'Atangurua. 200m avant le village prendre a gauche sur 100m.
La station se trouve sur un plateau en bord de falaise.

