



YOUNG CONJUGATE MARGINS LABORATORY

YOCMAL SEISNET

YOCMAL SEISMIC NETWORK YEMEN
Field report

Deployment

23 March 2009 – 16 April 2009

M. Abbass
E. d'Acremont
H. Ahmed
C. Basuyau
D. Keir
S. Leroy
N. Razzak
F. Rolandone
Saleh

Service 1

3 July 2009 – 17 July 2009

H. Ahmed
F. Lucazeau
C. Tiberi

GSMRB
YNSOC

PI- DR SYLVIE LEROY _____ CNRS - ITeP - Univ. Paris 06 - Case 129 - 4 place Jussieu 75252 Paris Cedex 05

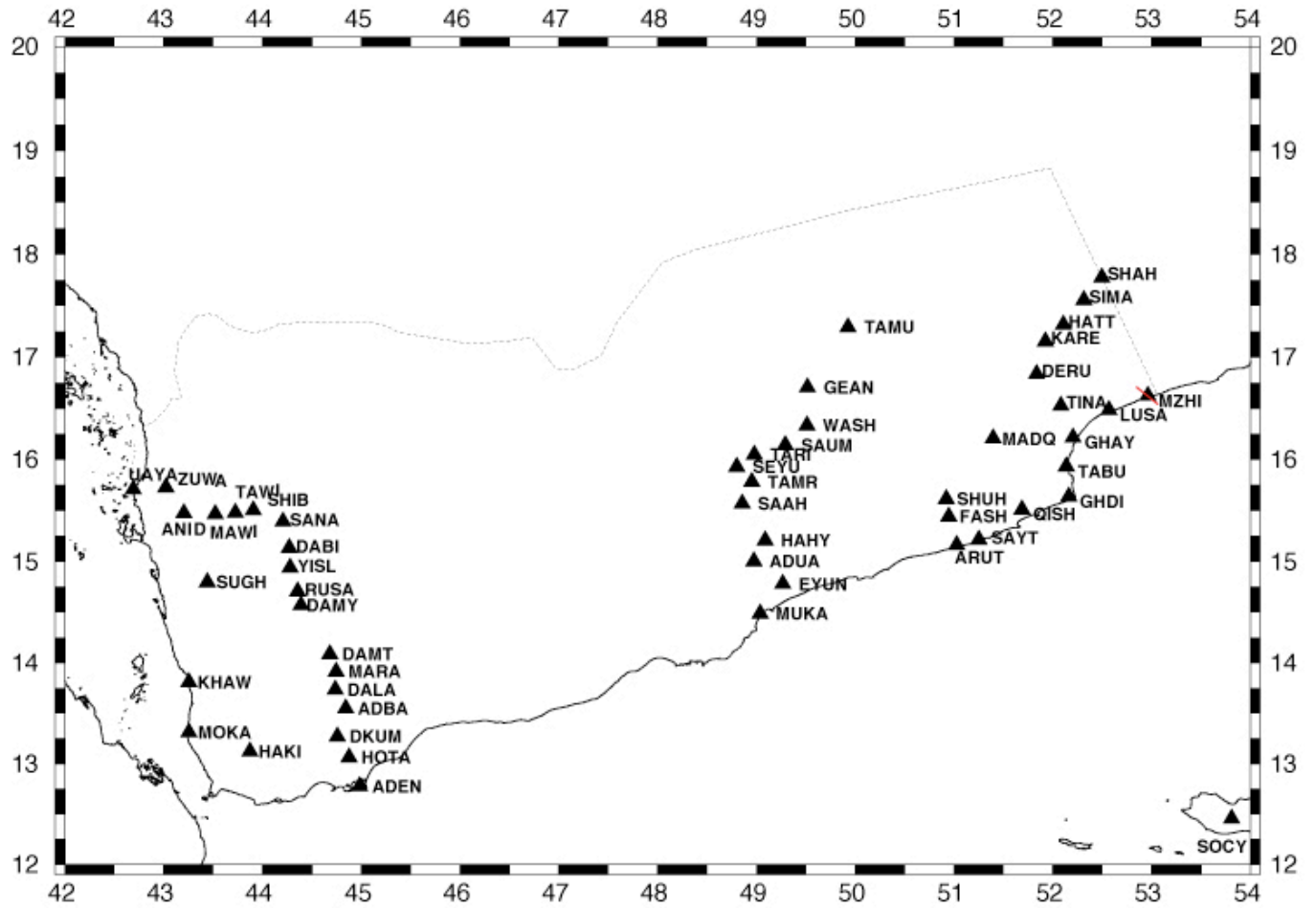
sylvie.leroy@upmc.fr - Tel: 00 33 (0)144 273 408 - Fax: 00 33 (0)144 275 085

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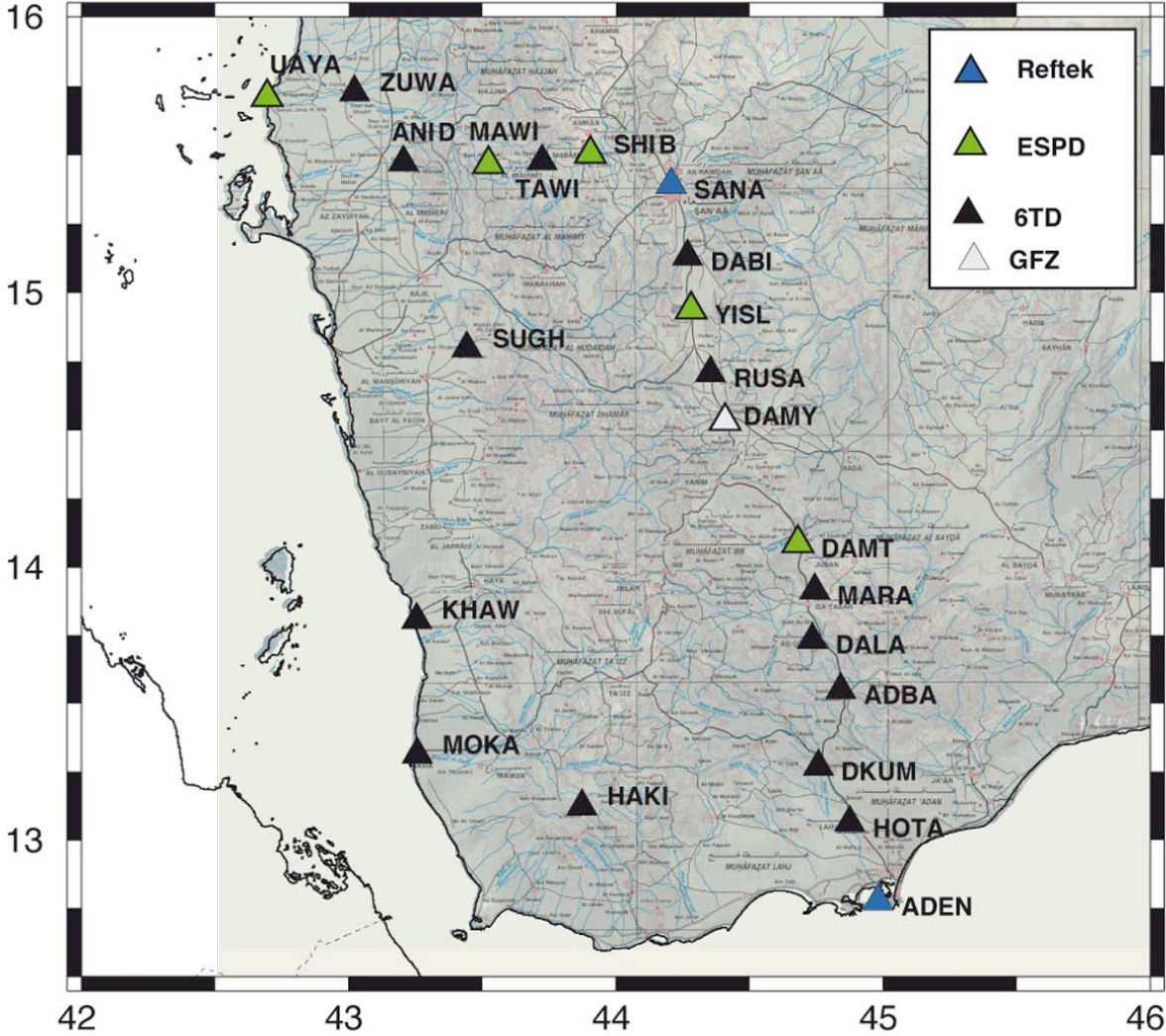
PR PHILIPPE RAZIN _____ *Philippe.RAZIN@egid.u-bordeaux3.fr - Tel: 00 33 (0)557 121 030*

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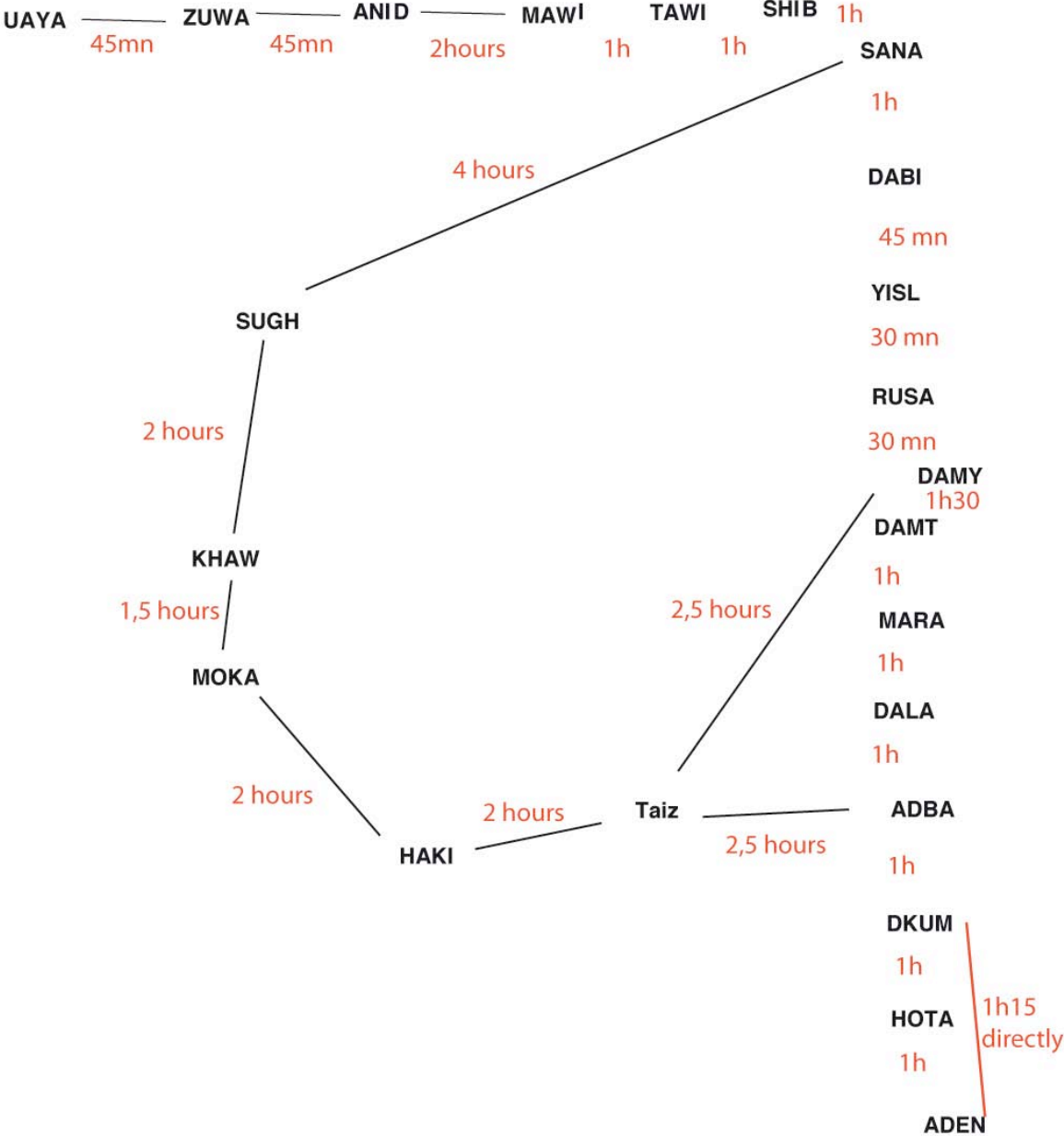
Financé par
ANR



Western PROFILE – YOCCAL SEISNET YEMEN – March April 2009



Time transportation between stations :



Sanaa (SANA)



Site Name: Sanaa **Site Code:** SANA **Network Code:** Yocmal
Deployment team: EA, FR, DK, NR **Station type:** Reftek
WGS84 – Latitude: 15.39263°N **Longitude:** 44.20682°E **Altitude:** 2253m
UTM-

Land use: room in the Yemen Remote Sensing and GIS Center (YRSC)
Sensor burial material: directly on the floor
Other noise sources: new level construction at the top of this bulding

Contacts: Professor Khaled Khanbari (773710768)
 Yemen Remote Sensing and GIS Center (YRSC)

Other comments: No solar panel installed, there is a battery charger.
 Hotel available in town: Sky Home Hotel (Zubairy Street, special price
 from the Geological survey and mineral resources board);

Deployed 26th March 2009

Aden (ADEN)



Site Name: Aden **Site Code:** ADEN **Network Code:** Yocmal
Deployment team: EA, FR, DH, NR **Station type:** Reftek
WGS84 – Latitude: 12.775917°N **Longitude:** 44.982444°E **Altitude:** 59m
UTM-

Land use: House of the Geophysical survey (accelerometer, ...)

Sensor burial material: directly on the floor

Other noise sources:

Contacts: Nageeb Razzak (777101155)
 Geophysical Survey Damaar

Other comments: The GPS and the solar panel are on the roof. Need to bring polyester to protect the sensor on service run.
 Hotel available in Aden town: Yemen Stars Tourism Hotel (Arwa Queen Street, Al-Akaba Road, Aden).

Deployed 27th March 2009

Dkum (DKUM)



Site Name: Dkum **Site Code:** DKUM **Network Code:** Yocmal
Deployment team: EA, FR, DH, NR **Station type:** 6TD
WGS84 – Latitude: 12.271083°N **Longitude:** 44.757361°E **Altitude:** 397m
UTM- 38P, 0473721, 1467126

Land use: private house

Sensor burial material: sand and plastic bag

Other noise sources: people

Contacts: The owner of the house : Mr Mohammed Ali Sheikhan (733878581)

Other comments: We paid 6000R to the owner for the first two months (from 27th March 2009). The agreement is 3000R/month. Need to pay 12 000R on service run.

Deployed 28th March 2009

Al Adba Habilayn (ADBA)



Site Name: Al Adba Habilayn **Site Code:** ADBA **Network Code:** Yocmal
Deployment team: EA, FR, DH, NR **Station type:** 6TD
WGS84 – Latitude: 13.55078°N **Longitude:** 44.84239°E **Altitude:** 705m
UTM- 38P, 0482946, 1498052

Land use: private house

Sensor burial material: sand and plastic bag

Other noise sources: people

Contacts: The owner of the house : Mr Abdul Rakeeb Todila Mahosein
(777094806)

Other comments: The GPS is on the roof in a metallic box with sand and stones, the GPS cable is cover on the floor by rock and sand, be careful when you dig!
We gave them money to buy a pipe to extend the one which is above the station.
We paid 6000R to the owner for the first two months (from 29th March 2009). The agreement is 3000R/month. Need to pay 12 000R on service run.

Deployed 29th March 2009

Ad Dala (DALA)



Site Name: Ad Dala **Site Code:** DALA **Network Code:** Yocmal
Deployment team: EA, FR, DH, NR **Station type:** 6TD
WGS84 – Latitude: 12.734800°N **Longitude:** 44.735800°E **Altitude:** 1437m
UTM- 38P, 0471436, 1518410

Land use: private house, none used

Sensor burial material: sand and plastic bag

Other noise sources: children, satellite dish

Contacts: The owner of the house : Mr Mohammed Ahmed Shobali (02433079)

Other comments: We paid 8000R to the owner for the first two months (from 29th March 2009). The agreement is 4000R/month. Need to pay 16 000R on service run.

After the deployment, the owner called us to talk about a problem to keep the station. The governor and Dr Ismael have resolved the problem.

Deployed 29th March 2009

Dabir Khira (DABIR)



Site Name: Dabir Khira **Site Code:** DABIR **Network Code:** Yocmal
Deployment team: EA, FR, DH, NR **Station type:** 6TD
WGS84 – Latitude: 15.13250°N **Longitude:** 44.26896°E **Altitude:** 2375m
UTM- 38P, 0421453, 1673111

Land use: private house, garden
Sensor burial material: sand
Other noise sources: people

Contacts: The owner of the house : Mr Jamil Ali Ahamed (01-643903 or 770873902)

Other comments: We paid 8000R to the owner for the first two months (from 31th March 2009). The agreement is 4000R/month. Need to pay 12 000R on service run.

Deployed 31th March 2009

Nakeel Yisle (YSLE)



Site Name: Nakeel Yisle **Site Code:** YSLE **Network Code:** Yocmal
Deployment team: EA, FR, DH, NR **Station type:** ESP
WGS84 – Latitude: 14.938733°N **Longitude:** 44.281567°E **Altitude:** 2557m
UTM- 38P, 0422738, 1651673

Land use: private house, garden

Sensor burial material: buckets on sand and plinth

Other noise sources: main road (Sanaa/Aden) very close.

Contacts: The owner of the house : Mr Mohammed Ali Saied (771664934)

Other comments: Noisy site close to a main road, and the sensor is not well buried (+30 cm). We paid 8000R to the owner for the first two months (from 1th April 2009). The agreement is 4000R/month. Need to pay 12 000R on service run. Very nice people.

Deployed 1th April 2009

SHIBAM (SHIB)



Site Name: Shibam **Site Code:** SHIB

Network Code: Yocmal

Deployment team: EA, FR, NR et al

Station type: ESP

WGS84 – Latitude: 15.50305 °N **Longitude:** 43.90550°E **Altitude:** 2630m

UTM- 38P, 0382606, 1714267

Land use: private house, garden

Sensor burial material: buckets on sand and plinth

Other noise sources:

Contacts: The owner of the house : Dr Mohamed Aladi (733777998)
(Doctor in economy)

Other comments: No money to keep care of this site, we just need to phone before coming Dr Aladi. Beautiful private property at the foot of a cliff. Check the battery, maybe it will be necessary to add another solar panel on service run because of the cliff.

Deployed 2th April 2009

Al Tawilah- Bait Badi suburb (TAWI)



Site Name: Al Tawilah- Bait Badi suburb **Site Code:** TAWI **Network Code:** Yocmal
Deployment team: EA, FR, NR, I et al. **Station type:** 6TD
WGS84 – Latitude: 15.47866°N **Longitude:** 43.72389°E **Altitude:** 2333m
UTM- 38P, 0363109, 1711679

Land use: private house, garden
Sensor burial material: sand
Other noise sources:

Contacts: The owner of the house : Mr Hussein Tabit Badi (777078727)

Other comments: We paid 8000R to the owner for the first two months (from 3th April 2009). The agreement is 4000R/month. Need to pay 12 000R on service run.

Deployed 3th April 2009

Mahweet (MAWI)



Site Name: Mahweet, Beit Al Khayat suburb **Site Code:** MAWI **Network Code:** Yocmal
Deployment team: EA, FR, NR, I et al. **Station type:** ESP
WGS84 – Latitude: 15.46748°N **Longitude:** 43.52317°E **Altitude:** 1875m
UTM- 38P, 0341565, 1710577

Land use: live stock

Sensor burial material: buckets on sand and plinth

Other noise sources: cows, chickens...

Contacts: The owner of the house : Mr Ibrahim Ali Al-Khayatei (733454961)

Other comments: We paid 8000R to the owner for the first two months (from 3th April 2009). The agreement is 4000R/month. Need to pay 12 000R on service run.

Hotel available in town: Mahweet Hotel (07-404767/8/9)

Deployed 3th April 2009

Al Uhaya (UAYA)



Site Name: Al Uhaya, Marat Asham suburb **Site Code:** UAYA **Network Code:** Yocmal
Deployment team: EA, FR, NR **Station type:** ESP
WGS84 – Latitude: 15.70929°N **Longitude:** 42.69337°E **Altitude:** 9m
UTM- 38P, 0252799, 1738127

Land use: private compound

Sensor burial material: buckets on sand and plinth

Other noise sources:

Contacts: The owner of the house : Mr Mohammed Mohammed Bukar
(733166571)

Other comments: We paid 8000R to the owner for the first two months (from 4th April 2009). The agreement is 4000R/month. Need to pay 12 000R on service run.

Deployed 4th April 2009

Rusaba (RUSA)



Site Name: Rusaba **Site Code:** RUSA **Network Code:** Yocmal
Deployment team: EA, FR, NR **Station type:** 6TD
WGS84 – Latitude: 14.70738 °N **Longitude:** 44.35394 °E **Altitude:** 2332m
UTM- 38P, 0430448, 1626060

Land use: big compound of the future Institute of Technology
Sensor burial material: sand
Other noise sources: main road 500m

Contacts: The guardian of the future Institute: Mr Dhif Alah Djoba (777202721)

Other comments: We paid 8000R to the guardian for the first two months (from 7th April 2009). The agreement is 4000R/month. Need to pay 12 000R on service run.

Deployed 7th April 2009

Site name: Al Hakiba

Site code: HAKI

Network code:

Deployment team: DK, HA

WGS84 - Latitude: 13.12377

Longitude: 43.87264

Altitude: 662

Instrument type: 6TD

Sensor serial: 6118

Date deployed: 10 April 2009

Land use:

Sensor burial material: plastic bag

Other noise sources:

Contacts: Agreed to pay R4000 per month, paid R8000 at deployment.

Other comments:



Site name: Mocha
Deployment team: DK, HA
WGS84 - Latitude: 13.31374
Instrument type: 6TD
Date deployed: 10 April 2009

Site code: MOKA
Longitude: 43.25631
Sensor serial:

Network code:
Altitude: 29

Land use: residential.
Sensor burial material: plastic bag.
Other noise sources: children, near tarmac road.

Contacts: Agreed to pay R4000 per month, paid R8000 at deployment.

Other comments:



MUKH

Tel: 777 90 5150

19 Sunday

04/362117

الاحد
نيسان - ابريل

19

April

2009

23 rabia II 1430

23 ربيع الثاني 1430 هـ

Tel: 777 90 5150

7 am

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

تَبَارَكَ الَّذِي بِيَدِهِ مَلَكُوتُ السَّمَاوَاتِ وَالْأَرْضِ، يَدْعُ بِمَنِّي وَيُبَدِّلْ لِي دِينِي أَسْعَدْنِي يَا مُنِيبُ

وَالْحَمْدُ لِلَّهِ الَّذِي يَهْدِي الذِّرَابَ سَبِيلًا وَيَنْزِلُ السَّمَاءَ الْوَهَّابَ

يَا مُنِيبُ، أَسْأَلُكَ بِرَحْمَتِكَ الْعَظِيمَةِ، وَبِحَبْلِ لَيْلَى، وَبِحَبْلِ الْوَيْدَانِ، وَبِحَبْلِ الْوَيْدَانِ

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2009/04/10

Site name: Khaw Kha **Site code:** KHAW **Network code:**
Deployment team: DK, HA
WGS84 - Latitude: 13.80802 **Longitude:** 43.25408 **Altitude:** 14
Instrument type: 6TD **Sensor serial:** 6192
Date deployed: 11 April 2009

Land use: residential.
Sensor burial material: plastic bag.
Other noise sources: children, on outskirts of town.

Contacts: Agreed to pay R4000 per month, paid R8000 at deployment.

Other comments: note high mass (1700) on the N component.



734243927

735038663

١٤١١ هـ - ٢٠٠٩ م

السيد محمد ربيع

تحية وتقدير لجميع كل من لطيف الأهل / محمد عبد الحفيظ والطفة الشاهي الهندسي
عبد الحكيم صبري - على أن تقدم لطف الأهل بآبواب طرقات محط بر صول الأهل
التي تم مشروعها في لوزانس - التي تم ترخيصها بجانب منزله الطين في منطقة

المنزل صديقية السنة وتقدمنا لكم بصدق نتمنى لكم كل خير وبركة

تتمنى ومستقبلنا ، وسيلتم الطمانينة ببيع وقدره ...

أرسل الأهل بياناً شويياً مع أن يتم لهم استفساراً هندسياً

كل أرجو ، شوي من زيارة المحلة ، وسيلتم الطمانينة بآبواب

الطمانينة اوصه بصدقنا مع الأهل (vilicacac - vilicacac)

أولئك - خالد صديقا (٧٧٧٧٤٧١) في حالة حدوث ما يشاءكم

للعمل وعدم المس بآبواب حتى يرضى عنكم الطمانينة

والعمل بصدقنا مع هذا لا نسلم

والله وحده السميع

الطمانينة
٣٠٠٠٠٠ هـ - ٢٠٠٩ م

الطمانينة
محمد عبد الحفيظ

د. د. د. د. د.

سنة ١٤١١

2009/04/11

Site name: Sughna
Deployment team: DK, HA
WGS84 - Latitude: 14.79705
Instrument type: 6TD
Date deployed: 11 April 2009

Site code: SUGH
Longitude: 43.44282
Sensor serial: 6065

Network code:
Altitude: 248

Land use: residential, agricultural.
Sensor burial material: plastic bag.
Other noise sources: children, near tarmac road.

Contacts: Agreed to pay R4000 per month, paid R8000 at deployment.

Other comments: Problems with mass positions. Forced to leave station with N mass at 2400.



SUKHI

باسم الرحمن الرحيم

تم الاتفاق بين الطرفين لإصدار / تجديد بطاقة سالم محفوظة لإصدار
 ولطرف الثاني للدكتور د. م. م. كير، على أن يقوم الطرف
 الأول بإصدار بطاقة مبرمجة على بطاقة الرصيد التي تم استرجاع
 البطاقة التي تم تركيبها من قبله من بطاقة من منظمة
 كحوض مدينتي لحوض وخطوط هامة تمرى من المدينة من قبله
 نوع CMG-6TD وطاقة سمس و بطاقة و بطاقة
 ويلتزم الطرف الثاني بدفع مبلغ مقدرة ... / ...
 أو رسم إيفاد ريال سعودي مع أن تدفع لطرف فكترا و لطرف
 فوضراً عند كل زيارة في أربع أشهر ويلتزم الطرف
 الأول بإصدار الطرف الثاني أو من يترجم عنه لطرف
 عبد الحكيم محمد عبد الحكيم (villeneuve-vivienne) أو لوكنت
 خالد حيدري (٧٧٧٤٤٧٣١) في حالة صدور آت
 حقل للحظ من دولة لها من شأنه من اجراء الحظ من وصول
 الطرف الثاني

والله ولي التوفيق

الطرف الثاني

د. م. م. كير

Danah ka

الطرف الأول

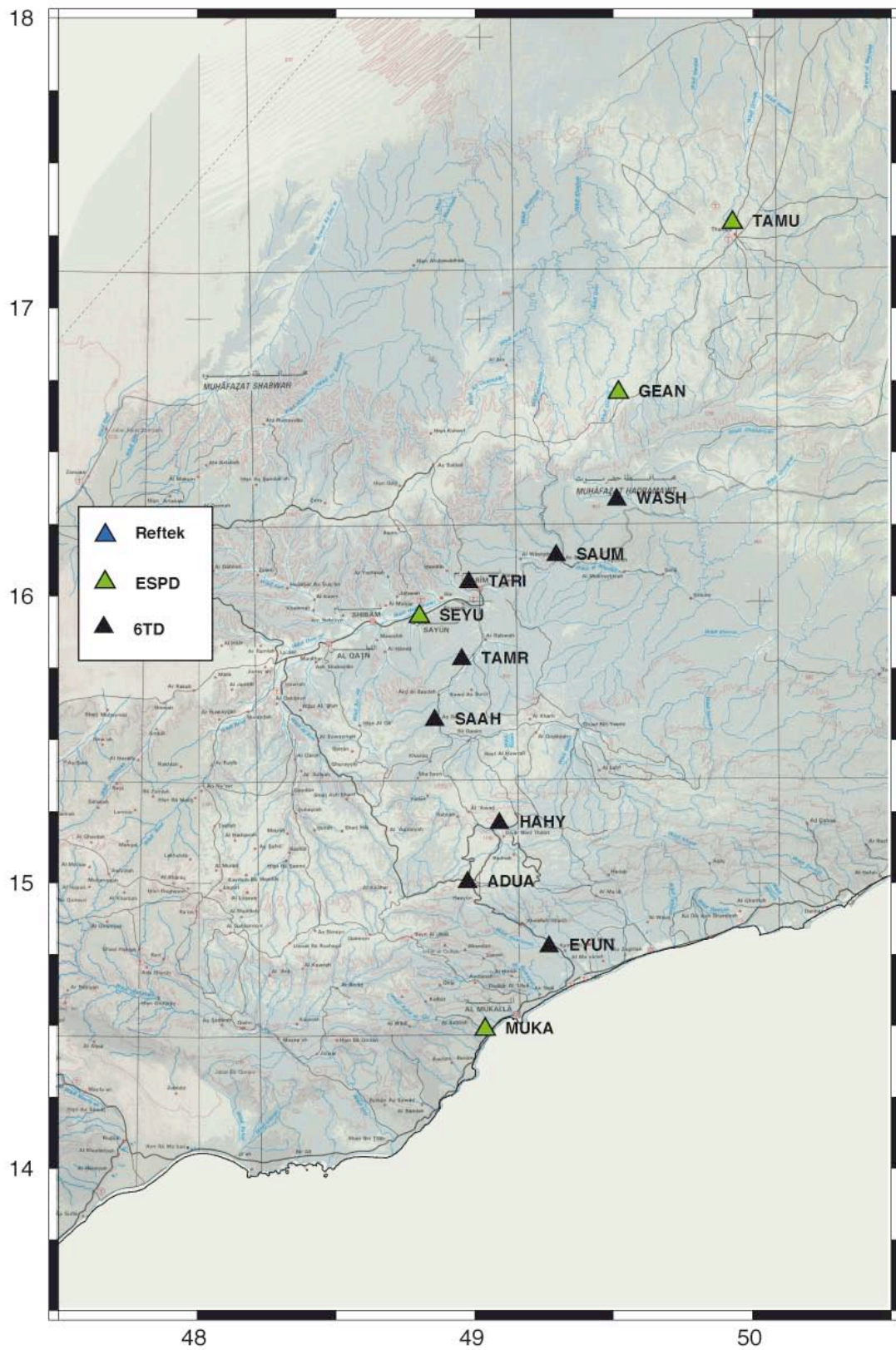
محمد حبيبة سالم

عبد الحكيم محمد عبد الحكيم

2009/04/11

في شهر ربيع الثاني

Central PROFILE – YOCMAL SEISNET YEMEN – March April 2009



Time transportation between stations :



Site name: Seyun **Site code:** SEYU **Network code:**
Deployment team: DK, MA, S
WGS84 - Latitude: 15.92919 **Longitude:** 48.80098 **Altitude:** 681
Instrument type: ESPD **Sensor serial:** 5480
Date deployed: 28 March 2009

Land use: YSOC seismic vault.
Sensor burial material: subaerial and covered by a bucket within a vault.
Other noise sources: located on the outskirts of a city.

Contacts: Yemen Seismic Observatory.

Other comments: left one 6TD box, one solar panel box, one small grey misc. box in vault.

Site name: Tarim **Site code:** TARI **Network code:**
Deployment team: DK, MA, S
WGS84 - Latitude: 16.04779 **Longitude:** 48.97763 **Altitude:** 621
Instrument type: 6TD **Sensor serial:** 6078
Date deployed: 29 March 2009

Land use: residential.
Sensor burial material: subaerial and covered by a bucket within a storage room.
Other noise sources: near tarmac road.

Contacts: Ahmed Al-Kaif Aideed (nickname Ahmed Attana).
Tel: 711676588
Agreed to pay R4000 per month, paid R8000 at deployment.

Other comments: battery charged via mains electricity, ask Ahmed how much we owe him for electricity.
GPS on the roof.
Site located next to café with friendly owner and nice soft drinks.
Ahmed gave us tea during the deployment.

Site name: Al Saum **Site code:** SAUM **Network code:**
Deployment team: DK, MA, S
WGS84 - Latitude: 16.14145 **Longitude:** 49.29332 **Altitude:** 579
Instrument type: 6TD **Sensor serial:** 6023
Date deployed: 29 March 2009

Land use: agricultural office / family planning center.
Sensor burial material: subaerial covered by a bucket in storage room.
Other noise sources: near town.

Contacts: Hamis Amer Sadaan, director of the center.
Tel: 777470634
Agreed to pay R4000 per month, paid R8000 at deployment.

Other comments: solar panel and GPS on the roof.

Site name: Wa'asha **Site code:** WASH **Network code:**
Deployment team: DK, MA, S
WGS84 - Latitude: 16.33600 **Longitude:** 49.51145 **Altitude:** 834
Instrument type: 6TD **Sensor serial:** 6121
Date deployed: 30 March 2009

Land use: police / military checkpoint.
Sensor burial material: plastic bag.
Other noise sources: near tarmac road.

Contacts: Shaif Talib, Chief of police for Wa'asha district. No telephone.
 Agreed to pay R4000 per month.

Other comments: Shaif gave us lunch and is very friendly and talkative.
 Visited station a few days after deployment and all working well.

Site name: Ge'ann **Site code:** GEAN **Network code:**
Deployment team: DK, MA, S
WGS84 - Latitude: 16.70661 **Longitude:** 49.51774 **Altitude:** 972
Instrument type: ESPD **Sensor serial:** 4849
Date deployed: 31 March 2009

Land use: police / military checkpoint.
Sensor burial material: slab and plastic bag.
Other noise sources: near tarmac road.

Contacts: Shaif Talib (same as Wa'asha), Saulan Al Habary. No telephone.
 Agreed to pay R4000 per month, paid R8000 to Saulan Al Habary.

Other comments: breakout box cable ports labelled incorrectly, power is labelled
 data and data is labelled power.
 Shaif gave us lunch during the deployment.
 Checked the station a few days after deployment, and after very
 heavy rain – the bucket was full of water but station working fine.
 I punctured a hole in the base of the bucket to remove water.

Site name: Tamud **Site code:** TAMU **Network code:**
Deployment team: DK, MA, S
WGS84 - Latitude: 17.29478 **Longitude:** 49.92855 **Altitude:** 667
Instrument type: ESPD **Sensor serial:** 5432
Date deployed: 1 April 2009

Land use: government office.
Sensor burial material: slab and plastic bag.
Other noise sources: located on outskirts of town.

Contacts: Salem Al Bin Shahbel, head of local government.
Tel: 777272277
Agreed to pay R4000 per month, paid R8000 at deployment.

Other comments: left 2 ESP boxes in storeroom in the government office.
Salem invited us to lunch during permissioning and is very friendly.

Site name: Tamran **Site code:** TAMR **Network code:**
Deployment team: DK, MA, S
WGS84 - Latitude: 15.78058 **Longitude:** 48.95215 **Altitude:** 687
Instrument type: 6TD **Sensor serial:** 6017
Date deployed: 2 April 2009

Land use: residential compound.
Sensor burial material: plastic bag.
Other noise sources: children, located within town.

Contacts: Abdullah Al Jabri, owner of next door house.
Tel: 713592959
Agreed to pay R4000 per month, paid R8000 at deployment.

Other comments: Abdullah speaks very good English and went to Birmingham University in England. He works at Nexen Oil as an Environmental manager and knows a fair amount about geology. He gave us loads of tea during deployment and is very friendly.

Soil is very sandy and soft so check mass positions closely. We struggled to get the E mass lower than 1500 at deployment.

Site name: Mukalla **Site code:** MUKA **Network code:**
Deployment team: DK, MA, S
WGS84 - Latitude: 14.48724 **Longitude:** 49.03779 **Altitude:** 38
Instrument type: ESPD **Sensor serial:** 4706
Date deployed: 4 April 2009

Land use: YSOC vault in GSMRB compound.
Sensor burial material: subaerial covered by bucket in vault.
Other noise sources: located on outskirts of Mukalla, ~1km from sea.

Contacts: YSOC and GSMRB

Other comments:

Site name: Al Aduas **Site code:** ADUA **Network code:**
Deployment team: DK, MA, S
WGS84 - Latitude: 15.00210 **Longitude:** 48.97391 **Altitude:** 1383
Instrument type: 6TD **Sensor serial:** 6167
Date deployed: 5 April 2009

Land use: police / military checkpoint.
Sensor burial material: subaerial covered by bucket and many rocks / stones
Other noise sources: next two major road junction.

Contacts: Hameed Hussein Abdul Moghiny, commander of the military in Al Aduas
Tel: 711636694, Fax: 053894888
Agreed to pay R4000 per month, paid R8000 at deployment.

Other comments: ground is very hard forcing a subaerial deployment. Struggled to level the sensor and left with E mass at 2400. I visited the site a few days after deployment to check if masses settled but they had not. I tried a second time to re-level sensor but did not succeed.

Site name: El Eyun
Deployment team: DK, MA, S
WGS84 - Latitude: 14.77816
Instrument type: 6TD
Date deployed: 5 April 2009

Site code: EYUN
Longitude: 49.26772
Sensor serial: 6070

Network code:
Altitude: 177

Land use: residential.
Sensor burial material: plastic bag.
Other noise sources: children, animals.

Contacts: Ahmed Salmin Abdin, owner of house, no telephone number.
Agreed to pay R5000 per month, paid R10000 at deployment.

Other comments: Ahmed gave us water and tea during deployment.



Site name: Al Hahyy **Site code:** HAHY **Network code:**
Deployment team: DK, MA, S
WGS84 - Latitude: 15.20831 **Longitude:** 49.08871 **Altitude:** 1084
Instrument type: 6TD **Sensor serial:** 6099
Date deployed: 6 April 2009

Land use: residential.
Sensor burial material: subaerial covered by bucket.
Other noise sources: children, located in town.

Contacts: Omar Aboud, owner of house.
Tel: 713272628
Agreed to pay R4000 per month, paid R8000 at deployment.

Other comments: Omar was in Saudi Arabia during deployment but he had given his cousin permission to enter his compound and deploy the station.
We paid Omar's cousin the R8000.
GPS and solar panel are on the roof.

Site name: AL-Hask (Sa'ah)
Deployment team: HA
WGS84 - Latitude: 15.56765
Instrument type: 6TD
Date deployed: 07 June 2009

Site code: SAAH
Longitude: 48.85577
Sensor serial: T6211

Network code:
Altitude: 780 m

Land use: In front of house.
Sensor burial material: plastic bag & soft sand.
Other noise sources: Children, wind and animals.

Contacts: Salem Saed Ahmed Mosalem - 712654698.

Other comments: 4000 RY per month/ Paid RY4000 for June 2009 at deployment.

The instrument should be re-checked for the mass adjustment and to be replaced if the drift of the mass still high.

Erreur ! Signet non défini.





712654698

٧١٢٦٥٤٦٩٨

٣

عنوان الدرس
Date / /
Day

عقد لدراسة

سبب

بسم الله الرحمن الرحيم
 الحمد لله رب العالمين والصلاة والسلام على سيدنا محمد
 وآله الطيبين الطاهرين أجمعين وبعد فقد حضر
 هذا العقد لدراسة مادة الفقه لأجل
 من حضره من طلبة دار المعلمين العالية
 في مدينة بغداد في يوم الاثنين الموافق
 ١٤٣٠ / ١٢ / ١٠ من شهر ربيع الثاني
 سنة ١٣٥٠ هـ الموافق ١٩٣٠ م
 حضره من طلبة دار المعلمين العالية
 في مدينة بغداد في يوم الاثنين
 الموافق ١٤٣٠ / ١٢ / ١٠ من شهر ربيع الثاني
 سنة ١٣٥٠ هـ الموافق ١٩٣٠ م

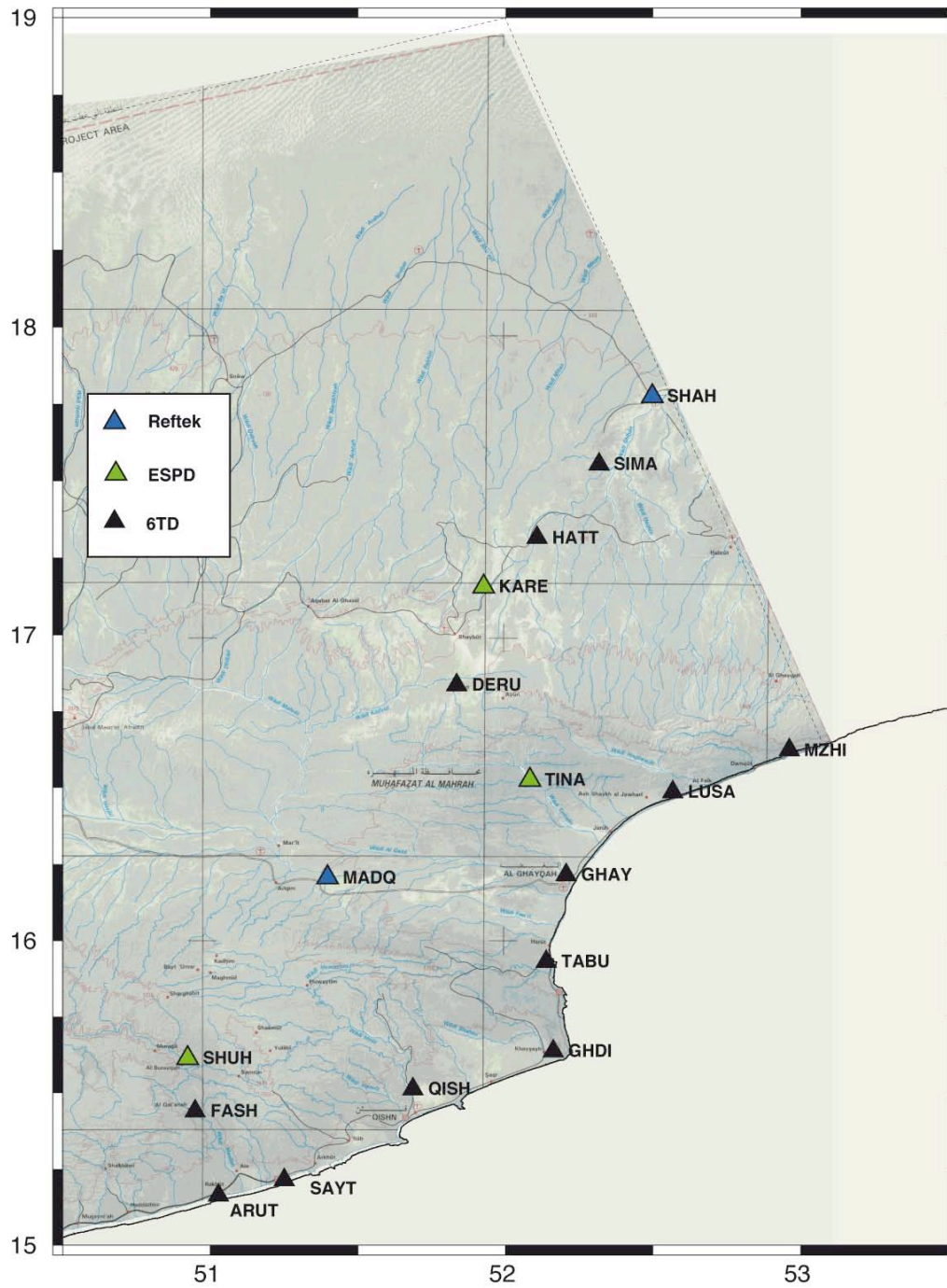
عقد الفقه لأجل من حضره من طلبة دار المعلمين العالية

والله ولي التوفيق
الطاهر المكي
د. محمد باقر الصدر

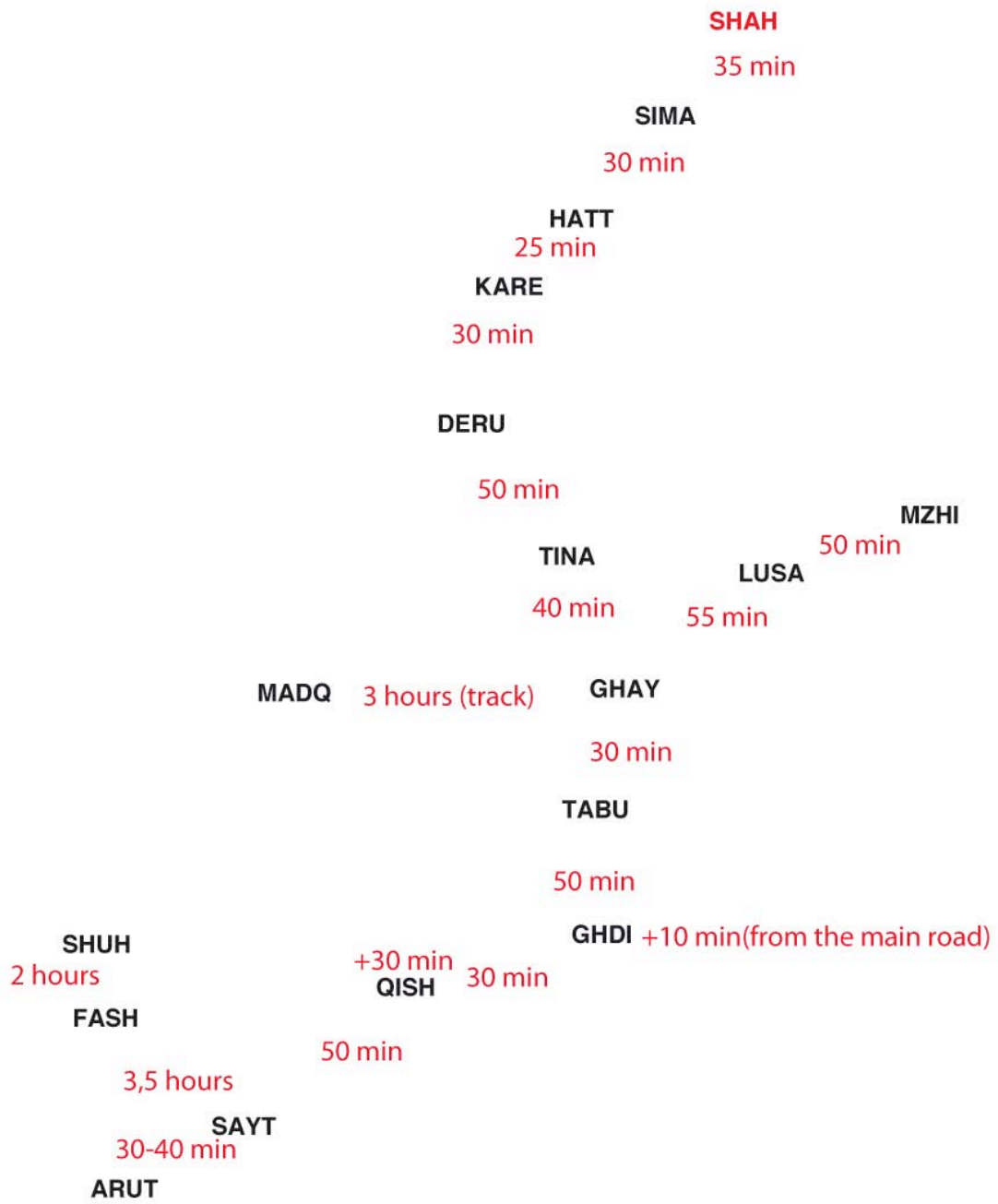
الفقه لأجل
عبد الله

2009/06/07

Eastern PROFILE – YOCCAL SEISNET YEMEN – March April 2009



Time transportation between stations:



Site name: Deru
Deployment team: CB,HA, SL
WGS84 - Latitude: 16.83592
Instrument type: 6TD
Date deployed: 27 March 2009

Site code: DERU
Longitude: 51.83442
Sensor serial: T6031

Network code:
Altitude: 877 m

Land use: Pebbles and sand.
Sensor burial material: soft sand.
Other noise sources: children, wind, few goat

Contacts: Abdul Rageeb

Other comments: 4000 RY per month





Site name: Tabut
Deployment team: CB, HA, SL
WGS84 - Latitude: 15.93221
Instrument type: 6TD
Date deployed: 28 March 2009

Site code: TABU
Longitude: 52.13826
Sensor serial: 6351

Network code:
Altitude: 20 m

Land use: soil and mud
Sensor burial material: soil and sand
Other noise sources: goat, children, generator at 10 m (non frequently used)

Contacts:

Agreed to pay R4000 per month, paid R8000 at deployment.

Other comments: site located in a garden. Kind people. They offered us tea, and cold drink.



Site name: Tin Haleen
Deployment team: CB, HA, SL
WGS84 - Latitude: 16.52606
Instrument type: ESPD
Date deployed: 28 March 2009

Site code: TINA
Longitude: 52.08226
Sensor serial: T35478

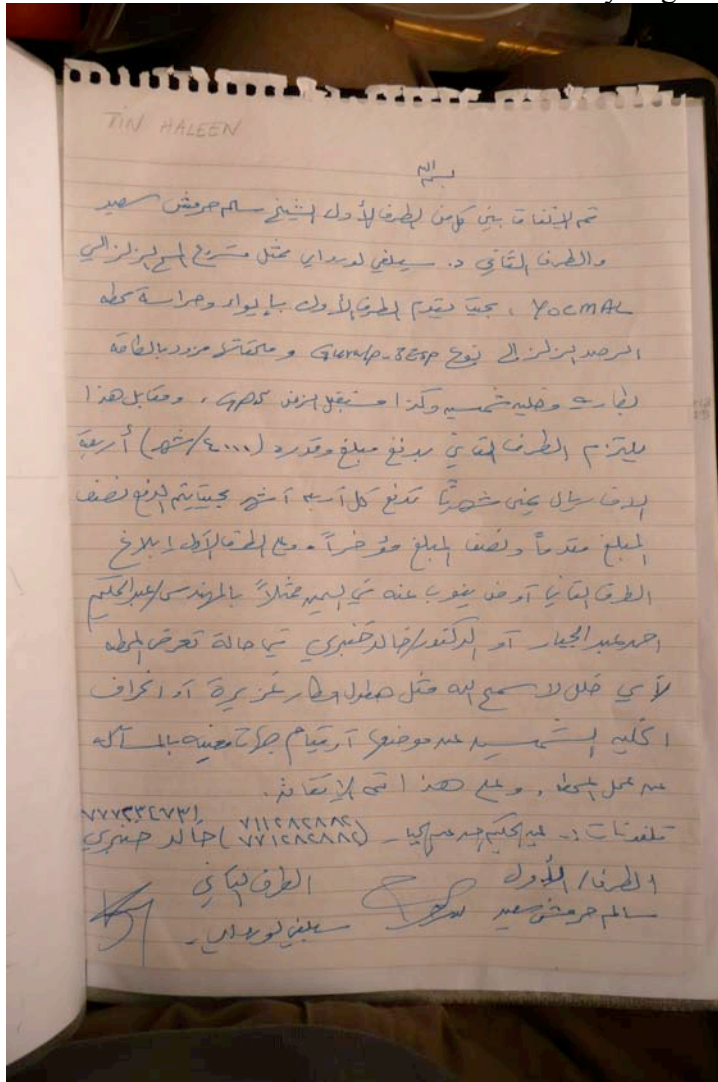
Network code:
Altitude: 202 m

Land use: sand – concrete plinth
Sensor burial material: soft sand
Other noise sources: children, goats, camels

Contacts:

Agreed to pay R4000 per month, paid R8000 at deployment.

Other comments: the hole of the sensor is very large and deep (at least 1 m).





Site name: Al Ghaydah
Deployment team: CB, HA, SL
WGS84 - Latitude: 16.21572
Instrument type: 6TD
Date deployed: 28 March 2009

Site code: GHAY
Longitude: 52.020533
Sensor serial: 6221

Network code:
Altitude: 22 m

Land use: behind a house
Sensor burial material: sand and small pebbles
Other noise sources: children and animals

Contacts:
Agreed to pay R5000 per month. We paid 2 months

Other comments:





Site name: Madraq **Site code:** MADQ **Network code:**
Deployment team: SL, CB, HA
WGS84 - Latitude: 16.20683 **Longitude:** 51.39719 **Altitude:** 346 m
Instrument type: Reftek **Sensor serial:** T4Q15
Date deployed: 29 March 2009

Land use: behind an house in a village.
Sensor burial material: sand and mud
Other noise sources: near houses (children, goat), wind

Contacts: Agreed to pay R4000 per month, paid R8000 to the owner (see contract)

Other comments: A lot of children, kind people they gave us lunch.





A view from the site toward the southeast

Site name: Kareed
Deployment team: CB, HA, SL
WGS84 - Latitude: 17.15660
Instrument type: ESPD
Date deployed: 30 March 2009

Site code: KARE
Longitude: 51.92594
Sensor serial: 34711

Network code:
Altitude: 857 m

Land use: in the area of the camp of the keeper
Sensor burial material: plinth concrete and plastic bag
Other noise sources: only few goats and camels

Contacts:

Agreed to pay R4000 per month, paid R8000 at deployment.

Other comments:



Site name: Hat
Deployment team: HA, CB, SL
WGS84 - Latitude: 17.31612
Instrument type: 6TD
Date deployed: 30 March 2009

Site code: HATT
Longitude: 52.10666
Sensor serial: 6021

Network code:
Altitude: 771m

Land use: in an area of a house .
Sensor burial material: plastic bag.
Other noise sources: goat, people leaving there. Very windy place

Contacts: Ali Salim Eisa - 712252757
Agreed to pay R4000 per month, paid R8000 at deployment.

Other comments: Very kind people, they offer us shawl, lunch.





Site name: Shahen
Deployment team: HA, CB, SL
WGS84 - Latitude: 17.77587
Instrument type: REFTEK
Date deployed: 31 March 2009

Site code: SHAH
Longitude: 52.49699
Sensor serial: T4M84

Network code:
Altitude: 553 m

Land use: inside a garden of house
Sensor burial material: mud
Other noise sources: goat, children, works of the man in the garden.

Contacts: Ahmid
Agreed to pay 4000 RY per month, Paid 8000 RY

Other comments:



موضوع الكتيب: SHAHEN
التاريخ: 20 / /
الرقم: 711598322
للاقتناء: 05/630766

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

بسم الله الرحمن الرحيم كل من لطفاً لأهل / أحمد محمد عبد الله الحضرين ولطف
التي بدلت ردة - يلقى لورواي علق وترد على لارا لي
على أن تقوم لطفك لأهل باي لورواي وعراي كما برصرتهم
للترويح ولما رقت حتى صوتي منزله والملازمة كما قلت
وجرت لطفك وبطاريه وقيلتتم شمسيتهم ، ويلتزم لطفك
والكلم ليرفع صلح وقدره ... / شوقاً على أن تدع
اللقف صديقاً ولتقف قوضاً عند كل زيارة كل أرسام أشوق
ويلتزم لطفك لأهل باي بلان لطف لاني أروم نوب منه
المؤتمس / عينا كتمهم صميمه اكيه - أركه كندر / ضا لرضيرين في
حالة جدت آ ، مشكل للمعلم ولا يعرف بأيا شين حتى صفة

الطرق الباني
الطرق الأول
عبد محمد بن محمد
الله الرحمن الرحيم
بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



Site name: Simar
Deployment team: HA, CB, SL
WGS84 - Latitude: 17.55549
Instrument type: 6TD
Date deployed: 31 March 2009

Site code: SIMA
Longitude: 52.31630
Sensor serial: 6158

Network code:
Altitude: 655

Land use: bedouin camp.
Sensor burial material: buried by sand and pebbles
Other noise sources: camels, goat

Contacts: Sheikh Kilowish Zabolon (we pay to him)
Agreed to pay R4000 per month, paid R8000 at deployment.
Other comments: We arrive there with the chief of the Police of Shahren : Mohammed Awadh Zabalon Phone : 77 02 90 711



سليم بن يحيى

تم الاتفاق بين الطرفين / سيد عبدالله سالم زينون، الطرف
 الثاني، الدكتور سيف بن رواين، على أن تقدم الطرف الأول بأولاد
 وطلاب من الجانب الآخر المستريح إلى الجزائر التي تم تركيزها في منطقة وآراء
 سير الأرض لتأجيل لقبيلته، وكذا تم منح ويطاريم وطامة شبيه
 وميليم الطرف الثاني مبلغ ومقدرة (٩٠/٩٠) آريم الألف
 ريال شويماً تدفع النصف مقدماً والنصف موزعاً على كل سيارة كل
 آريم آ شوي. ومع الطرف الأول آ مبلغ الطرف الثاني من حال
 الاشتغال بمبلغ أو آ حادته غير متوقعة ولا سيتم بيعه ولا الاشتغال
 من آ حادته من أي آ لا يغير الطرف الثاني أو من يترب منه الجهة
 سيد يحيى بن رواين - أو الدكتور خالد خيري. مع آ مقام الثاني
 ٧٧٧٧٧٧٧٧ آ ٧٧٧٧٧٧٧٧ آ ٧٧٧٧٧٧٧٧ آ ٧٧٧٧٧٧٧٧ آ ٧٧٧٧٧٧٧٧ آ

هذا لهم ولهم ولهم

الرافعة
 د. سيف بن رواين

S. Leroy

الطرف الأول
 سيد عبدالله سالم

دكتور

سيد
 أحمد محمد عوض بن عيسى

سيد
 عبد الله بن يحيى

سيد
 عبد الله بن يحيى

Site name: Wadi Hamroun near Qishn **Site code:** QISH **Network code:**
Deployment team: SL, HA, CB
WGS84 - Latitude: 15.51360 **Longitude:** 51.68612 **Altitude:** 63 m
Instrument type: 6TD **Sensor serial:** 6070
Date deployed: 1st April 2009

Land use: behind a house
Sensor burial material: plastic bag.
Other noise sources: children, animals.

Contacts:
Agreed to pay R4000 per month, paid R8000 at deployment.

Other comments: They gave us water and tea during deployment.



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

تم الاتفاق بين كل من الطرفين الأول / سيد سالم شعراء
 والطرف الثاني د. سيفي لورواين ، على أن تقدم الطرف الأول
 بـ ١٠٠٠ ريال و١٠٠٠ ريال لمرضى الزلزال ، أما بعد انتهاء العمل للزلزال
 والتي تم ترتيبها ~~بمبلغ~~ بجانب منزلها الطائفة في وادي حرمون
 وبلغت ٢٠٠٠ ريال (بمبلغ مبلغ وقدره ٤٠٠٠٠ ريال بين / شعراء) أربعة
 آلاف ريال شهرت و لمدة سنة من تاريخ انعقاد منع النصف مقدراً
 والنصف مؤجلاً كل أربع أشهر عند زيارة الطرف حسب البرنامج
 مع الطرق المذكور مع الأساس بالقرعة والإبلاغ للطرف الثاني
 في حالة حدوث أيما كحلل أو وقف كلفه للطرف وعدم ملأ نقل الإبلاغ
 للطرف الثاني أو من يتدبر عنه المرشد / عبد الكريم محمد عبد الحيا - أو
 الدكتور خالد كندري على الرقم التالي (٧٧٧٤٣٤٧٢١) أو

٧٧٧٤٣٤٧٢١

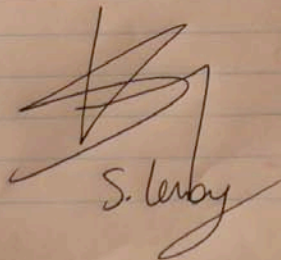
وعلى هذا اتفق الاثنان
 باسم الطرف

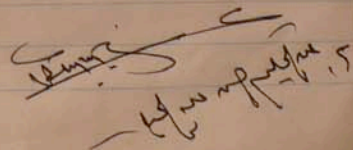
الطرف الثاني
 د. سيفي لورواين

الطرف الأول

سيد سالم شعراء

شاهد كاتب


S. Lorbay


شاهد كاتب

Site name: Ghdifut **Site code:** GHDI **Network code:**
Deployment team: CB, SL, HA
WGS84 - Latitude: 15.63811 **Longitude:** 52.16173 **Altitude:** 29 m
Instrument type: 6TD **Sensor serial:** 6042
Date deployed: 1 April 2009

Land use: Near an house, in the garden of the owner.
Sensor burial material: buried by mud
Other noise sources: children, located in house.

Contacts:

Agreed to pay R4000 per month, paid R8000 at deployment.

Other comments: Be careful to access to the place. One of the road is sandy. Follow the indication of the road with the GPS.



The view is toward the north.

We finished at night, so we didn't take photos. The site is to the left of the house. The town is to the right.

GHDUFUT

قد يقوون
٧١١٢٢٢٢٢

موضوع الدرس

التاريخ

اليوم
العدد
١١
١١

بسم الله الرحمن الرحيم

تحياتنا من كل من أطراف الأول / ~~بسم الله الرحمن الرحيم~~ عيد
 الطمانينة في د. سلفي لورواي على أن تقدم
 للأول الأول باروايه هراسه المخلص للصد لزلزال
 الله في تركيا بجانب منزل وني أرضه وبلدهم الطمانينة
 التي يدع مبلغ وقدره (سبع اشور) آرسيم لإف
 ريال شوي حيث يكون المبلغ المثلث مقدماً ولنفس
 مقراً عند كل زيارة في آرسيم اشور. وعلى
 الطمانينة الأول بلوغ الطمانينة آوصي يندب عنده
 للموتى / بسم الله الرحمن الرحيم - أولئك - خالد خير
 أذكركم للموتى آرسيم وشكله لسه يومه للموتى
 أوفقا لجزءه والله ولله الحمد

الطمانينة
 د. سلفي لورواي
 الطمانينة الأول
 عيد

S. Leraey Dr.

Site name: Lusac **Site code:** LUSA **Network code:**
Deployment team: CB, SL, HA
WGS84 - Latitude: 16.48624 **Longitude:** 52.56719 **Altitude:** 48 m
Instrument type: 6TD **Sensor serial:** 6186
Date deployed: 2 April 2009

Land use: behind a house with a wife and one boy 3 years old
Sensor burial material: buried by compacted sand
Other noise sources: sea waves – 200m to a tarmac road

Contacts: Agreed to pay R4000 per month, paid R8000 at deployment.

Other comments: The owner is director of the water resources of the al Ghayddah area



*Pano from the west (left) to east (right)
Behind the site.*



Photo toward the south

Site name: Mazhifut
Deployment team: CB, SL, HA
WGS84 - Latitude: 16.62363
Instrument type: 6TD
Date deployed: 2 April 2009

Site code: MZHI **Network code:**
Longitude: 52.96136 **Altitude:** 309 m
Sensor serial: 6107

Land use: area belonging to the sheikh
Sensor burial material: plastic bag.
Other noise sources: honey people

Contacts: Agreed to pay R4000 per month, paid R8000 at deployment.
Other comments:



Site name: Sayhut

Site code: SAYT

Network code:

Deployment team: HA

WGS84 - Latitude: 15.21480

Longitude: 51.25044

Altitude: 57 m

Instrument type: 6TD

Sensor serial: T6146

Date deployed: 03 June 2009

Land use: In house fence.

Sensor burial material: soft sand.

Other noise sources: children

Contacts: Mohammed Ali Said Al-Zuaidi (G.D. of Sayhut Directorate - 711786651).



Other comments: 4000 RY per month/ Paid RY4000 for June 2009 at deployment.



Site name: Shuhaik

Site code: SHUH

Network code:

Deployment team: HA

WGS84 - Latitude: 15.61454

Longitude: 50.92304

Altitude: 260 m

Instrument type: 3ESP

Sensor serial: 5333

Date deployed: 03 June 2009

Land use: Area belonging to the village people.

Sensor burial material: plastic bag & soft sand.

Other noise sources: Goats & water pumps (at ~300 m)

Contacts: Salmeen Ghaithan Suilem (Sheikh of the village - 731202991).

Other comments: 4000 RY per month/ Paid RY4000 for June 2009 at deployment.

The area may be inaccessible during the rainy days because the road to the area is running along the Wadi from Masillah .





أمين مبارك كرامة
٧١٢٢٠٢٩٩١

السلامة

تم الاقحام ببركة كل من الطاقم الاول / السيد نسيان مويك

عاش مركز البنون مديره السيد ، الطاقم الثاني لمركز مويك / السيد نسيان مويك -

على ان يتم الطاقم الاول باليوماء حتى برصد الزا الى القاعة لم شرح يوكل

(Yocmae) وبتدريسه جوت ESP 3D وطاقة شخصية ومتقبل

لزمه وذلك به وبتدريسه الطاقم الثاني برفع جيل قدرته من ٤/٤

آر بيم الأرقام شويآء وبتدريسه الطاقم الاول بالمالخ الطوق الثاني

فأب شكله صدمت ، فاصعبه لإرادة مع عدم الأساس بمجربا ح المحظ

ويبلغ الوقت الثاني على الأنتاشه (VVICACAN أو VVICACAN) أو الدكتور

فألا قنبري تلتدريسه (VVICACAN) . وسوقا يتبع دفع ليلين

عند كل زيارة كل تلامذة آشر النفا مندم ولتعا فوخر

دالة دس لتدريسه

الترافق

الطاقم الاول ١٦١٤

الطاقم الثاني

السيد نسيان مويك
السيد نسيان مويك
السيد نسيان مويك

السيد نسيان مويك

Site name: Fashawn **Site code:** FASH **Network code:**
Deployment team: HA
WGS84 - Latitude: 15.44133 **Longitude:** 50.94813 **Altitude:** 143 m
Instrument type: 6TD **Sensor serial:** T6037
Date deployed: 04 June 2009

Land use: Unused area near the sheikh tents.
Sensor burial material: plastic bag & soft sand.
Other noise sources: Animals.

Contacts: Sheikh Hammad Ali Nabhun (Sheikh of Al-Qalana'ah).
Other comments: 4000 RY per month/ Paid RY4000 for June 2009 at deployment.



The area may be inaccessible during the rainy days because the road to the area is running along the Wadi from Masillah .



للم

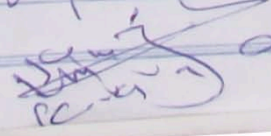
تم الاتفاق بين كل من لخصف لأول التبر
 عماد علي شبرون ~~م~~ حاكم صارة واديه لخصف
 وتوابعه لخصف الثاني الهندس / طيب كتم
 على كتم مع أن يوقع الاتفاق الأول
 بالبرباد وصرامه وكله لخصف الثاني لخصف
 للمخرج الزلزالي طرة عام ابتداء من
 لخصف لخصف وللحق تم تركيب في منطقة
 حاديه فتقوم بالقيام كالمطرد الأول

ويلتزم لخصف الثاني بدفع مبلغ قدره
 ...
 على ...
 الشهر المتقدّم لخصف ...

ويلتزم لخصف الأول بإصلاح لخصف الثاني مع صان
 رقم (٧٧١٤٨٨٤) ...
 رقم (٧٧٧٤٣٤٧٣) ...
 ...

الوقت الأول

الوقت الثاني



2009/06/05

Site name: Ariut **Site code:** ARUT **Network code:**
Deployment team: HA
WGS84 - Latitude: 15.16411 **Longitude:** 51.02686 **Altitude:** 20 m
Instrument type: 6TD **Sensor serial:** T6145
Date deployed: 05 June 2009

Land use: Unused Land.
Sensor burial material: plastic bag & soft sand.
Other noise sources: Children, wind and animals.

Contacts: Mubarak Musbeh Mubarak Hamdoun - 712232196.
Other comments: 4000 RY per month/ Paid RY4000 for June 2009 at deployment.



٧١٤٤٢٠١٩٦
٧١٢٢٣٢١٩٦

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Date

No.

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ
الحمد لله الذي جعل القرآن الكريم حجة بيننا وبين ربنا
والقرآن الأول بما هو من كلام الله تعالى والقرآن الأخير
بما هو من كلام رسوله صلى الله عليه وسلم
من فضل القرآن العظيم وفضل القرآن العظيم
أشهد أن لا إله إلا الله وحده لا شريك له
وأشهد أن محمداً عبده ورسوله
صلى الله عليه وسلم
وآلته الطيبين الطاهرين
أجمعين

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ
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أجمعين

2009/06/05

القرآن الكريم
بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ
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SERVICE 1 REPORT

Service Team: Francis Lucazeau (IPGP), Christel Tiberi (Montpellier), Hakim Ahmed (YSN)

Total days on the field: 10 days

Days out because internal flights : 2-3 days

Number of station served: 34

Re-installation: 1 (GHAY)

De-installation: 2 (HAKI, MZHI)

Sensors taken out: 6103 (TAWI, bad signal), 6145 (ARUT, bad signal)

Extra sensor: 6118 (HAKI)

GPS broken: 2738 (YSLE) 2863 (HAKI)

Regulator broken: 2892 (TAWI)

TOTAL amount of DATA: 55.4 Gb

Notes:

The western profile is ok to be serviced in 6 days. The roads are good and there are many places to stay. There could be troubles near Dameet for occidental people.

The eastern profile is the toughest... 4 days are not enough!! Count on at least 7 days because the stations in Ouadi Massiliah are the worst to service, and we have to stay in Al-Ghaydah.

We spent more than 6600 euros for this service (including the Socotra and Central profile ones).

There are ATM machines in Al-Ghaydah, Sanaa, Taiz, Al-Hodeidah.

Check your intern flights if ever...

The drivers were paid 100 USD per day, except for the longest trip (Aden-Al Ghaydah, Al Ghaydah-Sanaa: 150 USD per day).

Stations in red are those for which we had problems (13).

For the next service:

Don't forget to bring new survival blankets.

Bring scarf to women in HATT station

Bring present for KARE station (they offered us a living lamb).

STATIONS REPORT

DABI

05/07/09 2.17 Gb

16000YR paid for 4 months

GPS ok

Flush all because lost connection with the station at one moment

YSLE

05/07/09 1.07 Gb

16000YR paid for 4 months

GPS 2738 out since 05/04/09 15:24:30 – REPLACED by 3123 o/s ok

RUSA

05/07/09 2.2 Gb

16000YR paid for 4 months

GPS ok

DKUM

06/07/09 2.3 Gb

12000YR paid for 4 months

GPS ok

Latitude badly taken for the deployment.

HOTA

06/07/09 2.7 Gb

12000YR paid for 4 months + 2000YR for a new fence +1000YR for menwork

GPS ok

Goats all around, dustbin broken, flush two times.

ADEN

06/07/09 1.9 Gb

No guard

We added a polyester box around the sensor.

SHAH

08/07/09 2.1 Gb

16000YR paid for 4 months

GPS ok

Signal long period for horizontal components

SIMA

08/07/09 1.3 Gb

16000YR paid for 4 months

GPS ok

HATT

08/07/09 2.0 Gb

16000YR paid for 4 months

GPS ok

They gave us scarf again.

KARE

08/07/09 1.8 Gb

16000YR paid for 4 months

GPS ok

They gave us a lamb.

DERU

08/07/09 1.9Gb

16000YR paid for 4 months

GPS ok

TINA

08/07/09 2.4 Gb

16000YR paid for 4 months + 2000YR for new fence (camel destroyed it)

GPS ok

SHUH

09/07/09 0.7 Gb

16000YR paid for 4 months

GPS ok

FASH

09/07/09 0.8 Gb

16000YR paid for 4 months

GPS ok but first line was "no GPS message". o/s drift ok.

ARUT

09/07/09 0.8 Gb

16000YR paid for 4 months

GPS ok

Sensor changed because bad signal. Old=6145, new=6119 BUT NO FLUSH AVAILABLE!

Downloading the next data will take 2 days with laptop.

SAYT

09/07/09 0.8 Gb

16000YR paid for 4 months

GPS ok, but first line of text stream wrong.

MADQ

10/07/09 0.06 Gb

16000YR paid for 4 months

GPS ok

Station not dumping on old card. Seems ok for the new card.

TABU

10/07/09 2.4 Gb

16000YR paid for 4 months

GPS ok

QISH

10/07/09 1.9 Gb

16000YR paid for 4 months

GPS ok

GHDI

11/07/09 0.4 Gb

16000YR paid for 4 months

GPS ok

No battery power (2.15V). No explanation... So battery recharged, SP changed, regulator changed (old=2371, new=from MAZI)

LUSA

11/07/09 1.6 Gb

16000YR paid for 4 months

GPS ok

MZHI

11/07/09 1.0 Gb

Nothing paid to the guard because the site is destroyed. STATION REMOVED

SP broken, but everything seems ok. Sensor 6107.

GHAY

11/07/09 1.1 Gb

Nothing paid to the guard because SP broken since the beginning

18000YR paid for the fence and the new guard (4 months).

RE-INSTALLATION of the station near the check point. Same sensor and GPS.

Contract made with the chief of the check point + governor Al Ghaydah and Dr. Ismael.

SANA

12/07/09 2.9 Gb

No guard

GPS ok

SHIB

13/07/09 2.2 Gb

No guard

GPS ok

Station in the "garden"... be carefull of the possible tilting caused by water.

TAWI

13/07/09 0.1 Gb
16000YR paid for 4 months + 1000YR for manwork
regulator 2892 broken, changed for 2897.
Old sensor: 6103 (bad components) new sensor: 6107

MAWI

13/07/09 1.9 Gb
16000YR paid for 4 months
GPS ok
Water penetration through pipe. We cleaned and bowed the pipe.

ANID

13/07/09 2.3 Gb
16000YR paid for 4 months (guard bothered by the police, but Nagyb phoned)
GPS ok

UAYA

14/07/09 0.2 Gb
16000YR paid for 4 months
GPS ok
Solar panel VERY dusty. Battery 11.9 No data....regulator ok. Station reset.

ZUWA

14/07/09 2.4 Gb
16000YR paid for 4 months
GPS ok

SUGH

14/07/09 2.1 Gb
16000YR paid for 4 months
GPS ok

KHAW

14/07/09 2.2 Gb
16000YR paid for 4 months + 4000YR for guard who went to jail
GPS ok
North component out. We re-leveled and let it. But NS out.

MOKA

15/07/09 2.2 Gb
16000YR paid for 4 months
GPS ok.
Solar panel very dusty (16V before cleaning, 18V after)

HAKI

15/07/09 2.0 Gb

16000YR paid for 4 months

GPS 2863 out since the 14/07/09 (last .fix). No spare, STATION REMOVED