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Attachment (a) ·	

Attachment(s):

(1) "Report for AWESOME in Vietnam (NEW)", 3 MB pdf, 14 pages.

Re: AWESOME Installation in Vietnam

Dear ISWI Participant:

Lead Scientists: Dr. Umran S. Inan, Dr. Morris Cohen
and Dr. Deborah Scherrer (Stanford) United States

Objectives: Lightning, sprites, Elves, relation to terrestrial Gamma Ray flashes , whistler induced electron precipitation, conjugate studies.

Anyway, I am most pleased to attach for your perusal the attached Photo Report from Prof. Hoang Thai Lan. She is with:

: Dept. Atmosphere & Space Physics

- : Ho Chi Minh City Institute of Physics
- : 01 Mac Dinh Chi Str., 1st Dist.
- : Ho Chi Minh City, Vietnam
- : Phone: +84 8 38 298149
- : Mobile: +84 903 735674

She has attended one (IHY Korea) or more IHY/ISWI workshops.

If you have an ISWI instrument array, please send to me your report for newsletter circulation.

Forever Faithfully Yours,

- : George Maeda
- : The Editor
- : ISWI Newsletter

A NEW AWESOME VLF RECEIVER SET UP IN VIETNAM

Implementation of ISWI - AWESOME Project in Vietnam, a new VLF Receiver was setting up in Nha Trang. Instrument Provider: STAR Laboratory of Stanford University. Hosting Organization: VAST (with the participation of two research institutes: Ho Chi Minh City Institute of Physics

and Nha Trang Institute of Technology Research and Application).

This is a Photo Report for the installation of the AWESOME VLF Reciver at Nha Trang station (12.20 N; 109.13 E). The installation was executed by Vietnamese AWESOME Group led by Dr. Hoang Thai Lan and with instructions remotely from Dr. Morris Cohen (leader of AWESOME Stanford Team).







The International Airport Cam Ranh, Nha Trang



The highway from Airport to Nha Trang City

A street going to the Nha Trang station



The street going to the station



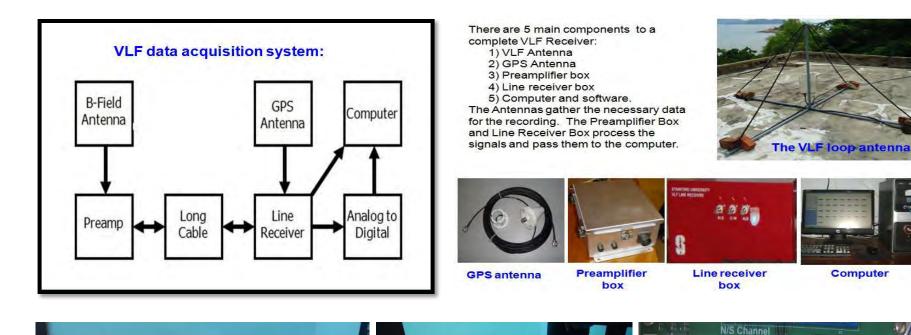
A side of the station seen from the street



The Station



The building where the AWESOME is setting up





Checking the components before installation

The opened Preamplifier Box

The Mainboard of Preamplifier



The E/W and N/S channel cards



The Mainboard and Cards of the Line Receiver



Testing signals of the Preamplifier



Plug in the cards into the Mainboard



The Line Receiver



Testing signal of the Line Receiver





Design and preparing for installation the VLF antenna



Select a location for the GPS antenna on the roof



Assembly the VLF Antenna





Mounting the Preamplifier Box to the VLF Antenna





Determine how to run the cables from outside to the room



The GPS and VLF Antennas installed

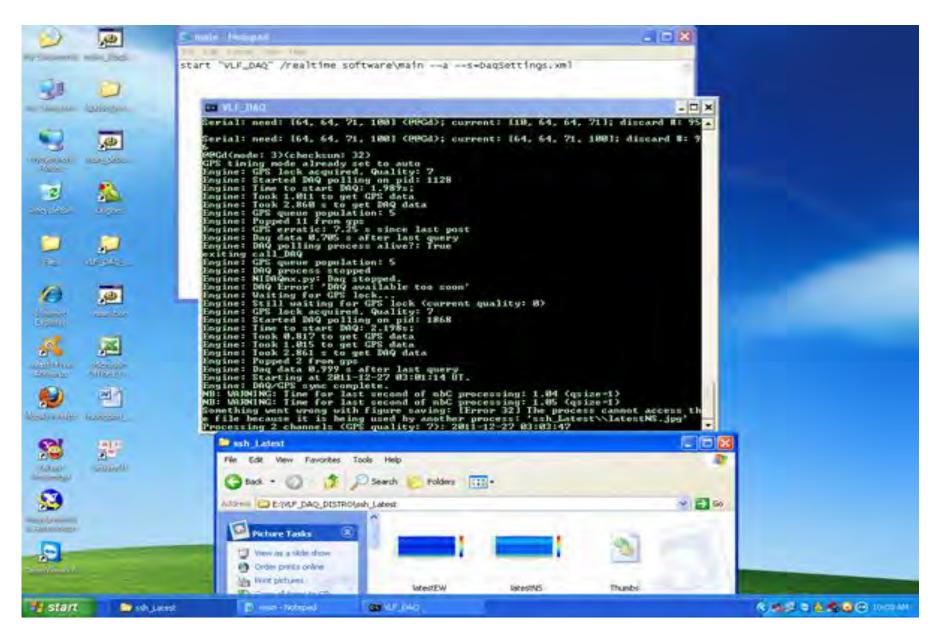


Assembly the antennas cables





Assembly the VLF Receiver and Computer



Installing software



Checking the internet connection

Trying to find out why it appears flaky



Exchange ideas and discussing problems





The resort located beside the station





A beach of Nha Trang

Tea-time



Vietnam AWESOME Team:

1. Dr. Hoang Thai Lan, leader.

5. MSc. Vinh Hao (Nha Trang Institute), responsible for AWESOME receiver in Nha Trang

Ms. Tien (Nha Trang Institute)
Ms. Tam (Ho Chi Minh Institute)
Mr. Vinh (Ho Chi Minh Institute)
Mr. Tue (Nha Trang Institute)

7. Mr. Thang (Nha Trang Institute)8. Mr. Thao (Nha Trang Institute)9. Mr. Tuat (Nha Trang Institute)10. Dr. Vinh (Nha Trang Institute)





Dr. Hoang Thai Lan, ISWI National Coordinator of Vietnam - leader of AWESOME Group

Vietnam AWESOME Team wants to thank Stanford AWESOME Team for all they did to make the VLF Receiver setting up in Vietnam successfuly. Special thanks to Dr. Morris Cohen for doing so much to solve the problems in sending the instrument and during the time of installation it .

I also would like to express my sincere thanks to Prof. Hans Haubold for his very valuable supports in this cooperation.

Reported by Hoang Thai Lan