FRENCH SEISMIC AND TIDE GAUGE NETWORKS
Present State - 8 December 2008
ICG-CARIBE-EWS 6-8 December meeting

GEOSCOPE Stations around the Caribbean
ICG-CARIBE-EWS 6-8 December meeting

French West Indies
Broad Band Seismic Network
Present and future
ICG-CARIBE-EWS 6-8 December meeting

VSAT Seismic Station description

VBB Nanometrics Trilium 240/120 seismometer
Kinematics EpiSensor Accelerometer
Nanometrics Trident and Taurus digitizers
Geodetic continuous Topcon GPS
VSAT Nanometrics real-time transmission system
Solar power with energy management
Tide Gauge Station description
SHOM standard installation

SHOM type radar primary sensor

Secondary sensor to choose (bubble pressure sensor in mind)

GOES ready transmission (waiting for slots time)

Backup radio transmission through VSAT system

Solar power with energy management
ICG-CARIBE-EWS 6-8 December meeting

DESHAIES VSAT STATION

Seismic station (operationnal)

Tide Gauge simulation (waiting for GOES time slot)
ICG-CARIBE-EWS 6-8 December meeting

DESIRADE VSAT STATION

Desirade Seismic station (under construction)

Tide Gaude simulation (waiting for GOES time slot)
Virgin Island Mw 6.2 earthquake, 2008/10/11 - 10H41 TU
Distance: 395km – 210s window length

Dshaies (DHS), raw seismogram
Nevis Mw 4.8 earthquake, 2008/11/02 - 08H05 TU
Distance : 115km – 110s window length

Deshayes (DHS), raw seismogram

Deshayes (DHS), raw accelerogram
North Guadeloupe Md 2.5 earthquake, 2008/10/16 - 23H05 TU
Distance : 2km – 16s window length

Deshaies (DHS), raw seismogram

Deshaies (DHS), raw accelerogram
ICG-CARIBE-EWS 6-8 December meeting

Richter Antilles 2008 Exercise
18-19 November 2008

Destructive M7.7 earthquake simulation

Massive casualties management:
- thousands of people killed
- several thousands of people injured and homeless

Emergency communications test

Overseas help deployment
Caribbean Training Course for Operators of Sea Level Stations,
*Puerto Rico, 23-27 June 2008*

EarthWorm Training Course organisation with participation of SRC,
*Guadeloupe, 22-26 September 2008*

First VSAT installation with SRC contribution,
*Guadeloupe, 13-26 July 2008*

1 VSAT station installed and operational
VSAT Seismic Data sharing with SRC already operational
Real-time seismic data available through SeedLink server in Paris
EarthWorm near real-time auto-location installation in progress
Data quality management with PQLX
1 VSAT station installation in progress

11 VSAT stations planned
3 VSAT stations planned in cooperation with SRC
Tide Gauges installations and upgrade waiting for 4 GOES slots time attribution