



PERUVIAN GEOPHYSICAL NETWORKS

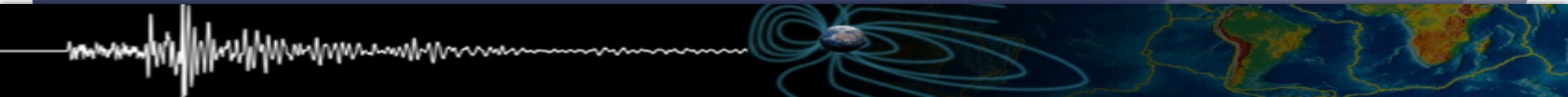
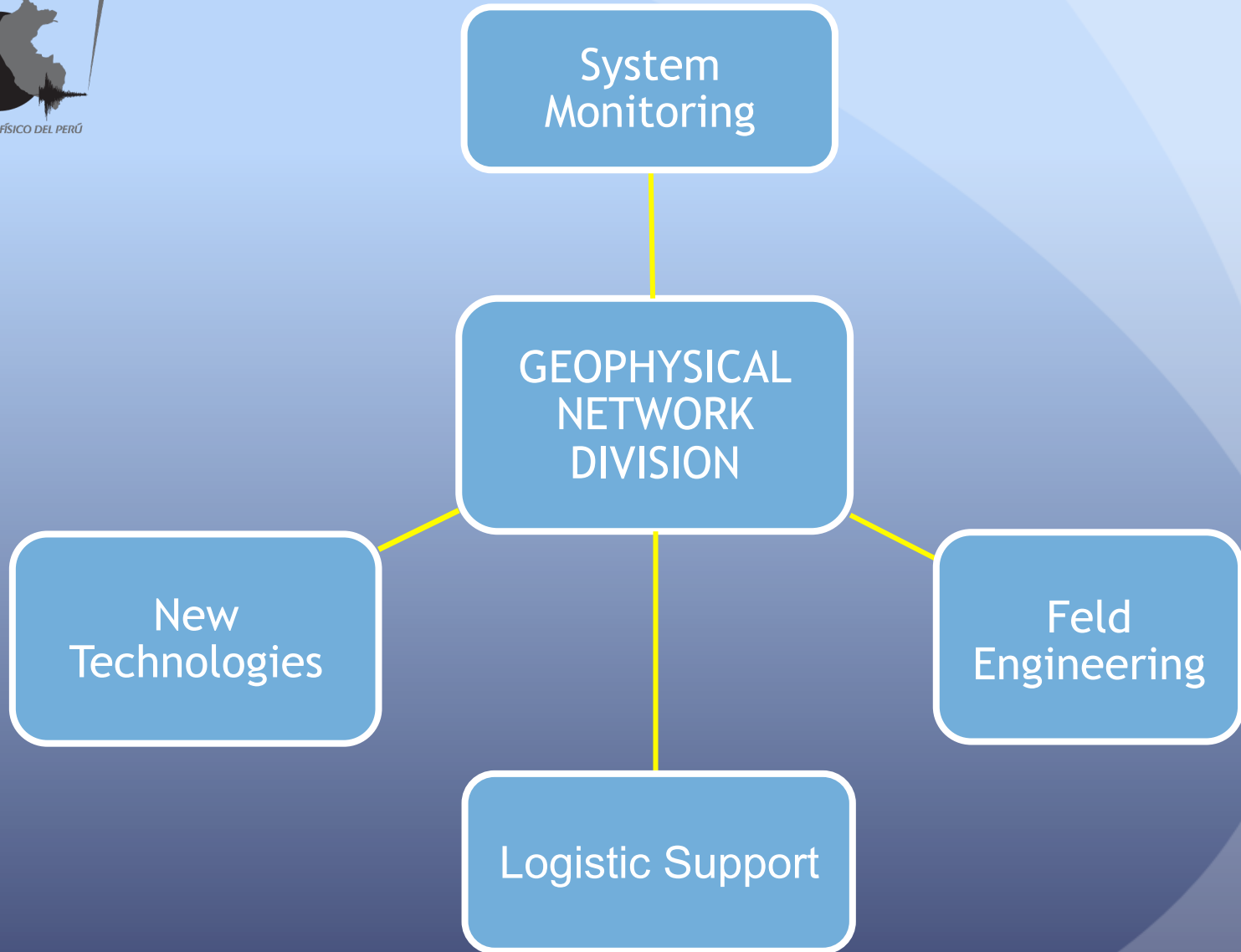
Edmundo O. Norabuena
Instituto Geofísico del Peru

IRIS Workshop- National Geophysical Networks
Santiago de Chile, Mayo 26, 2015



Who we are?

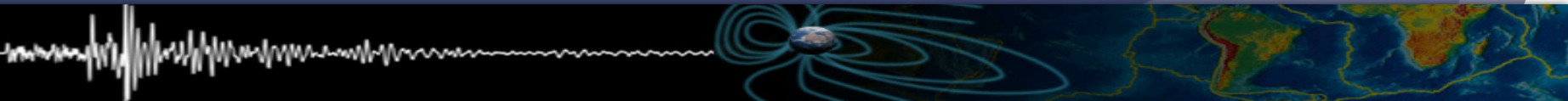




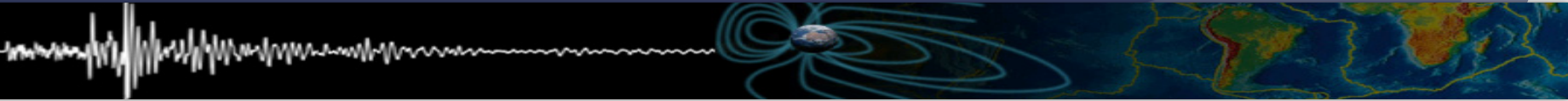
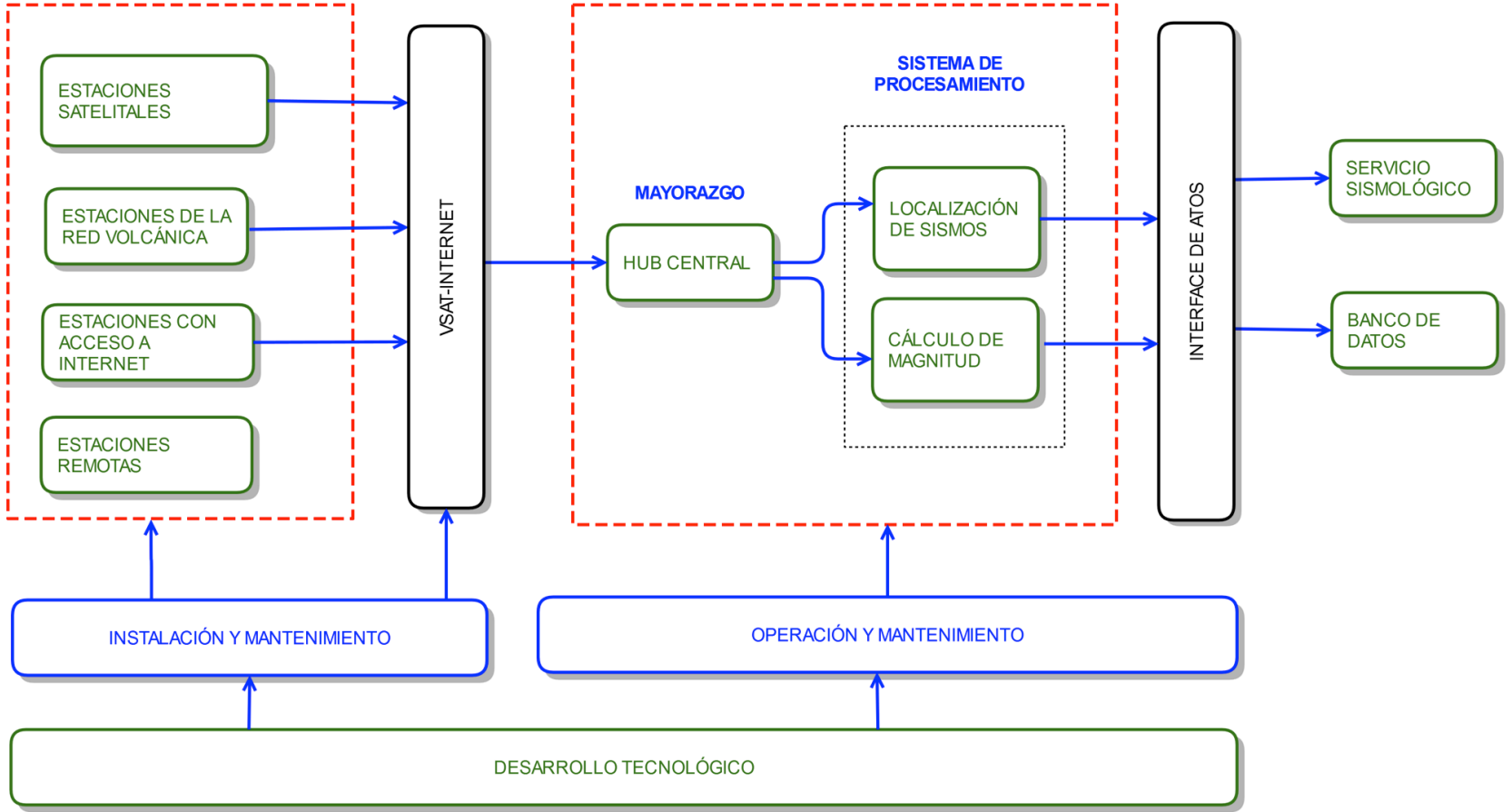


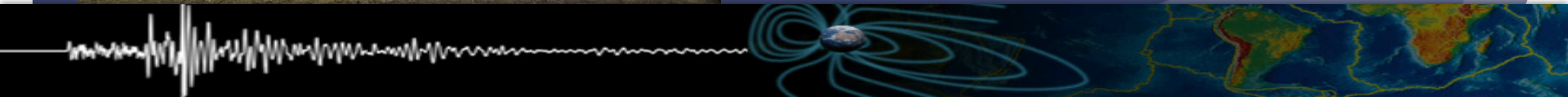
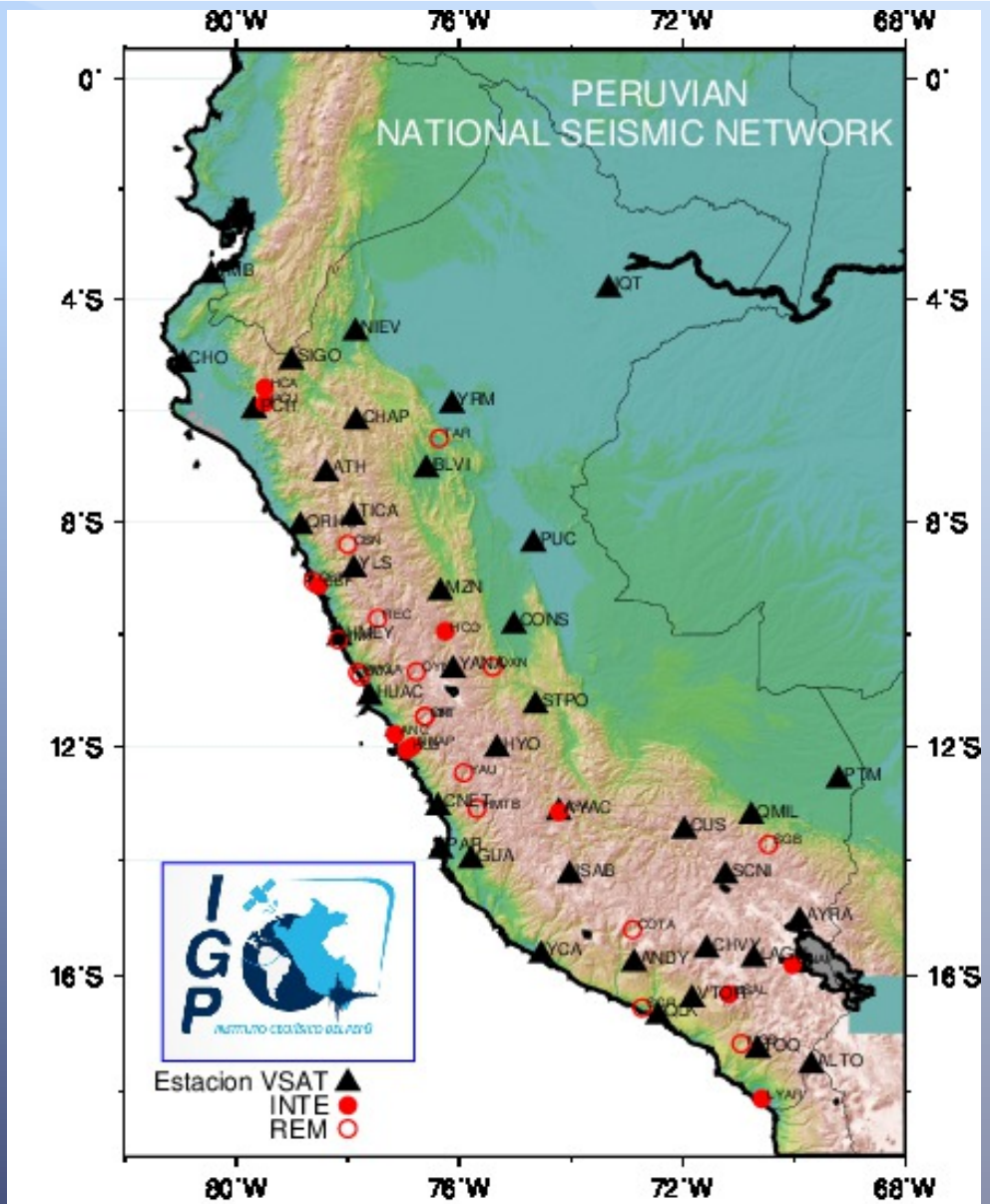
MAIN TASKS:

- To project, install, operate and maintain the National Geophysical Network (RSN, RAC, RGN) using state of the art communication links (VSAT, Internet, VPN, etc.)
- To support to the National Seismological Service (SSN) and research activities with continuous data flow.
- To develop hardware and software system to optimize and tailor local scientific and technical needs related to acquisition, transmission, storage and quality control of geophysical data.



SISTEMA DE ADQUISICIÓN DE DATOS SÍSMICOS





Other remote stations



Registadores sísmicos digitales:

Reftek 130^a

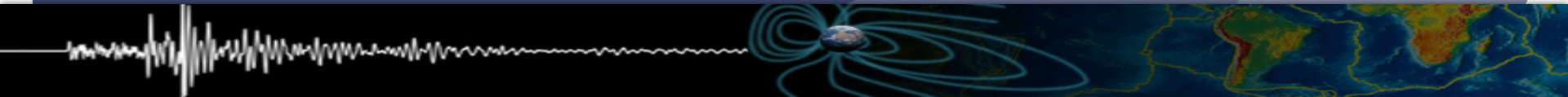
Trident , Nanometrics

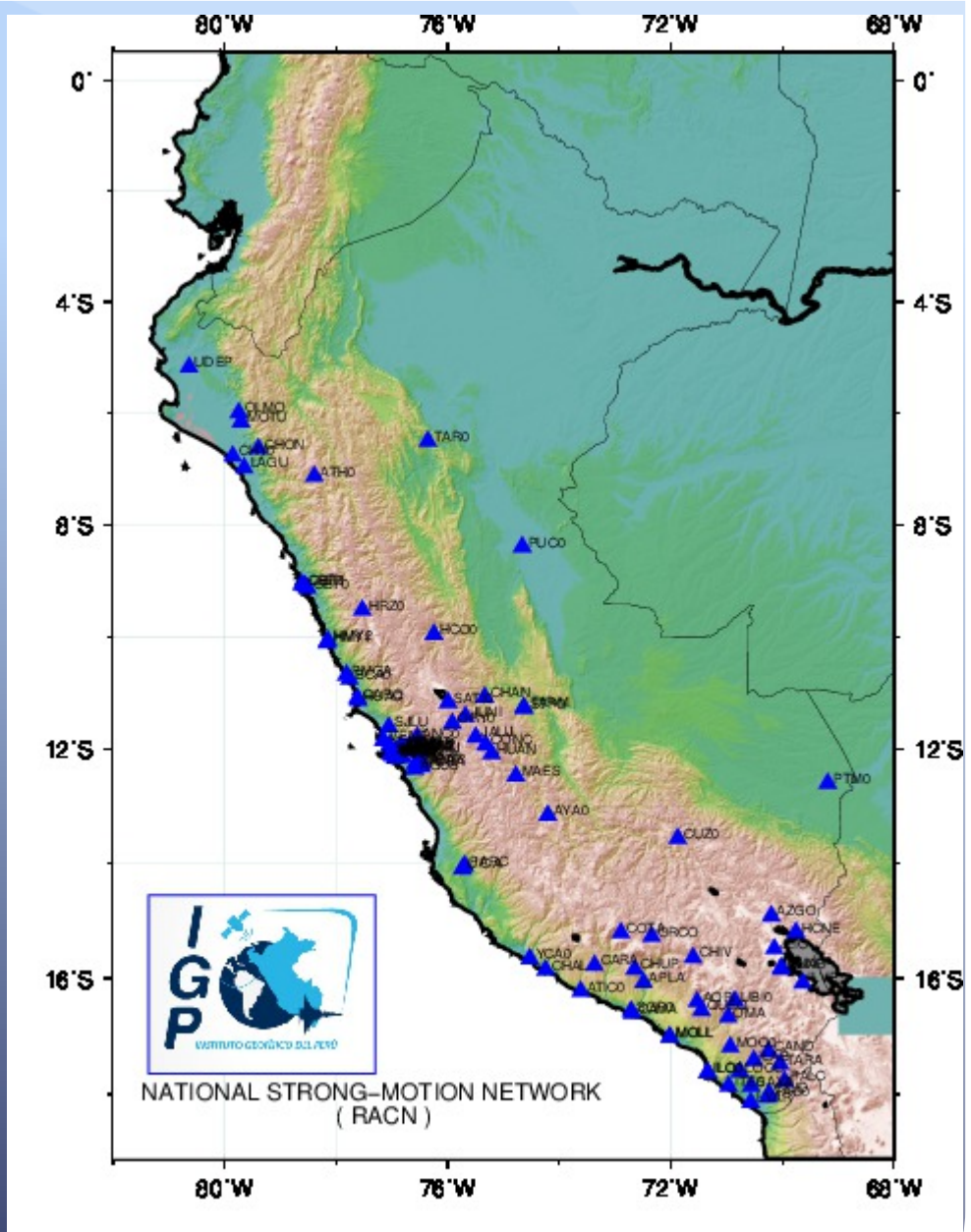
Sensores Sísmicos:

Guralp CMG-40T

Titan

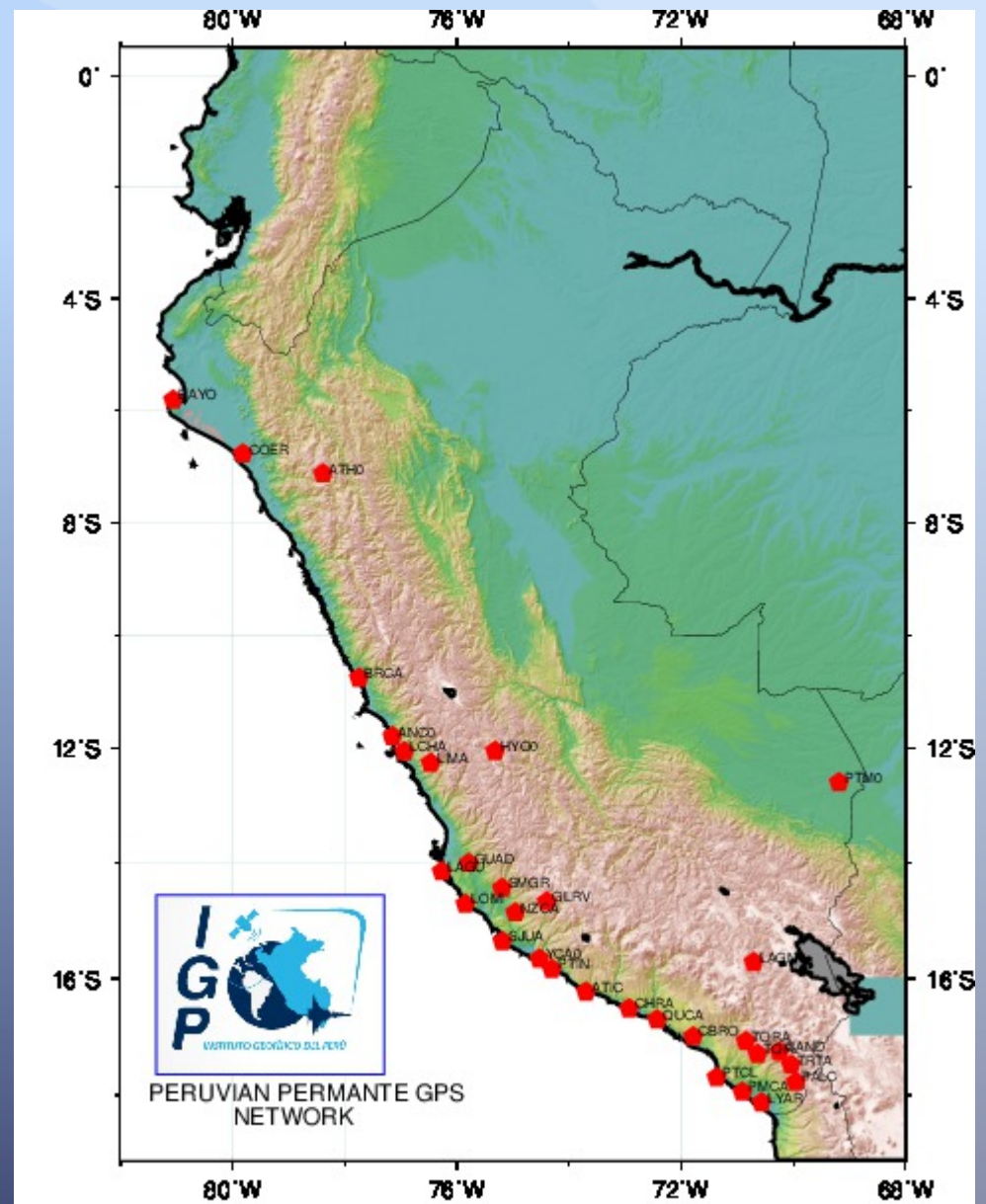
Trillium

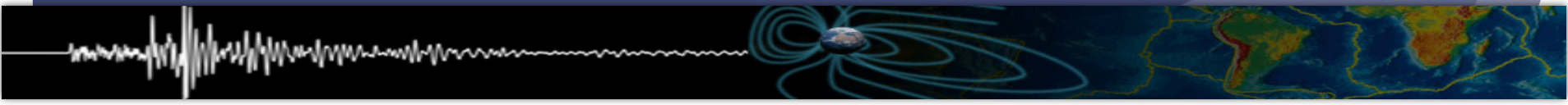
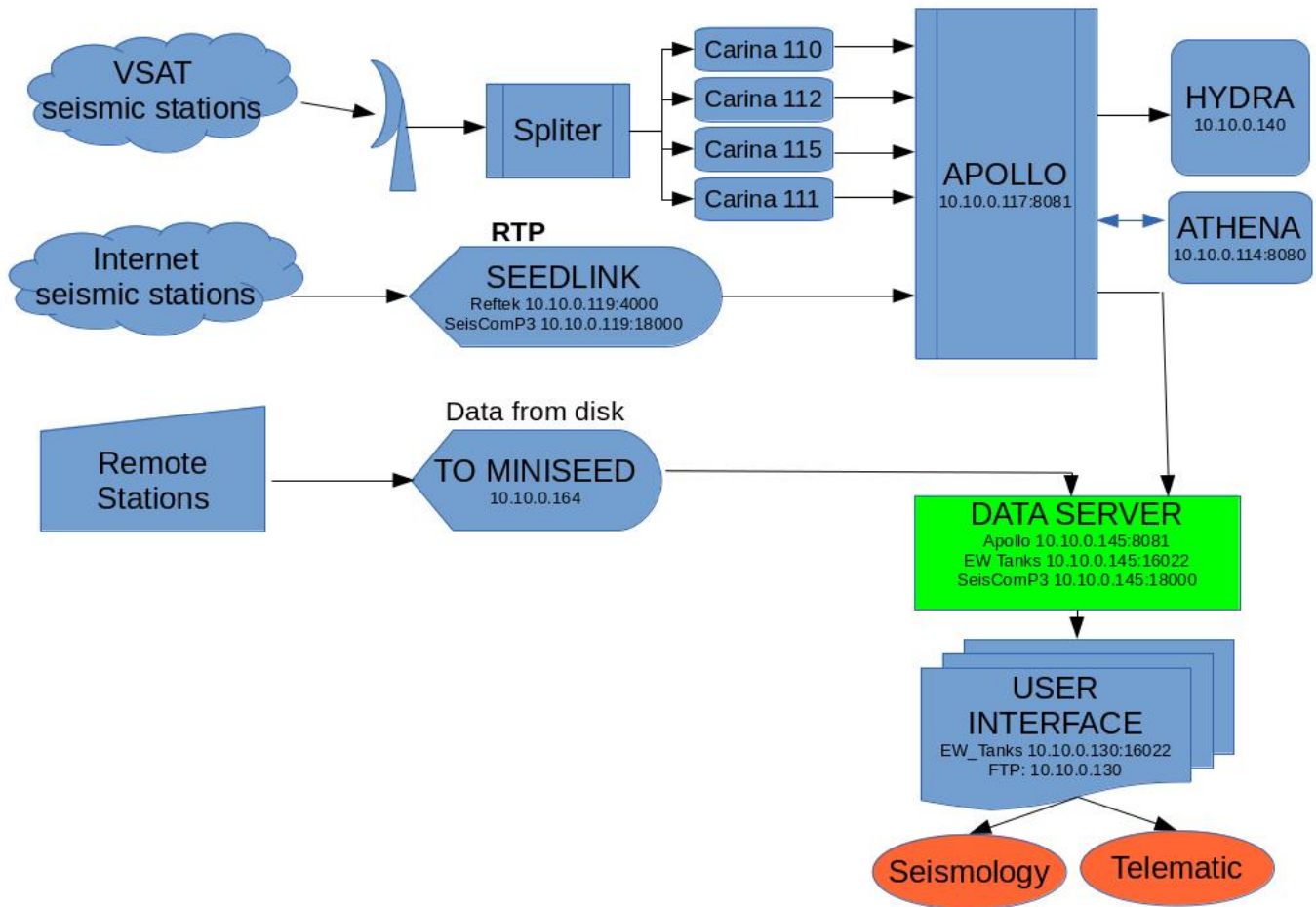




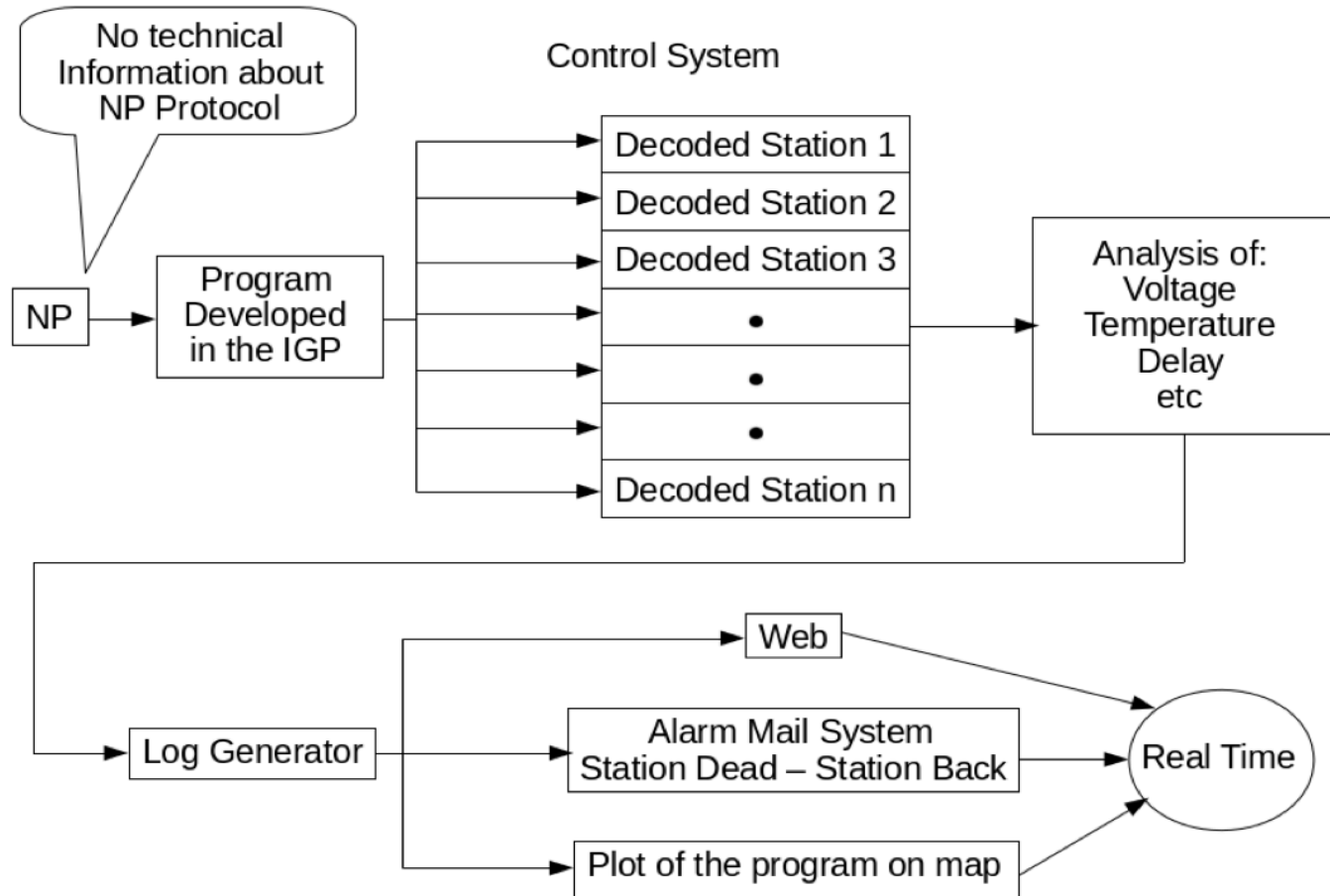


Seismic cycle, Crustal deformation & Active Fault dynamics

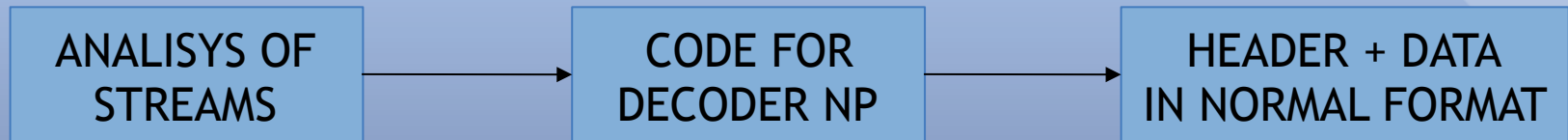
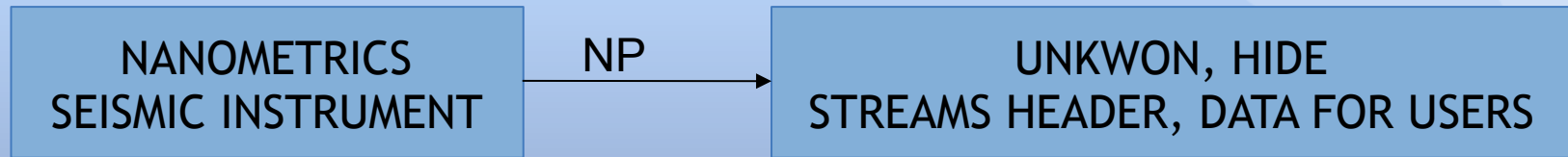




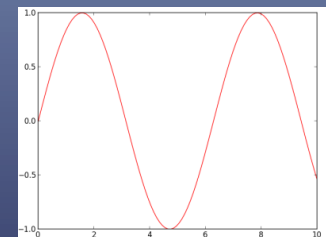
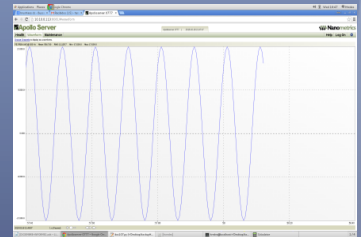
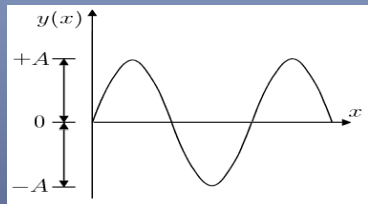
Operational Problems



Operational Problems



$$17000 \cdot \sin(2 \cdot \pi \cdot 5 \cdot x / 100)$$



PERUVIAN SATELLITE SEISMIC SYSTEM

STATE OF HEALTH MONITOR

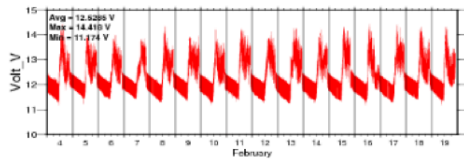
MAP

LIST

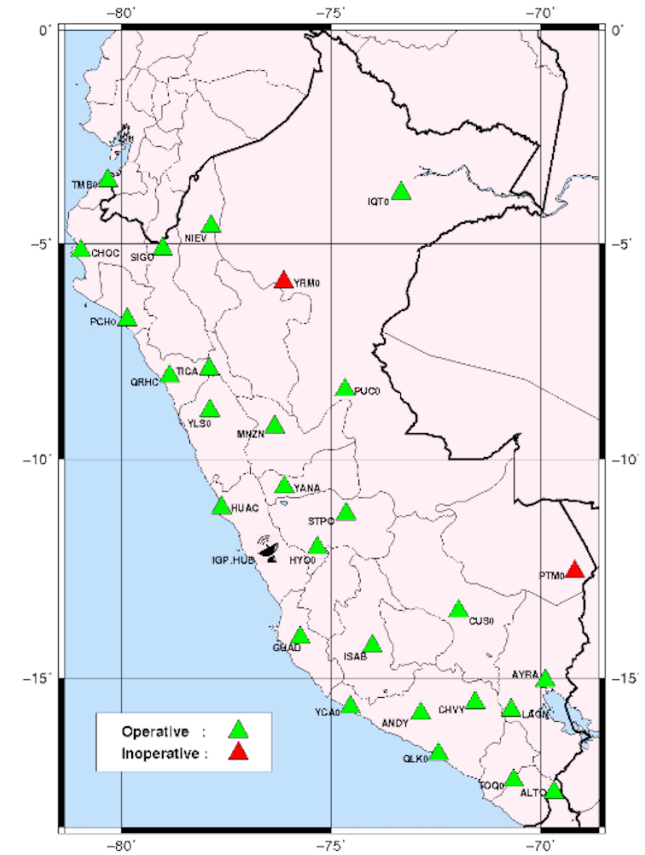
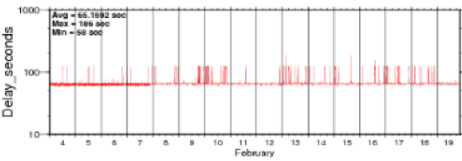
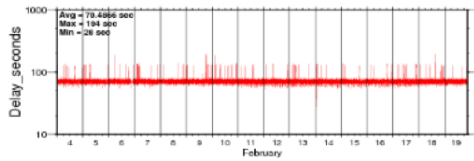
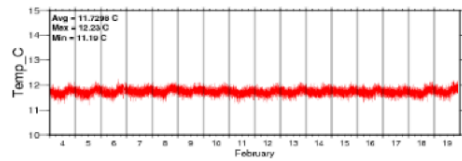
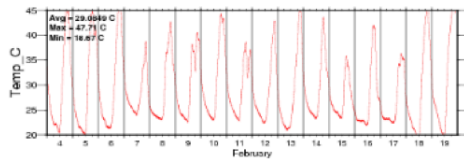
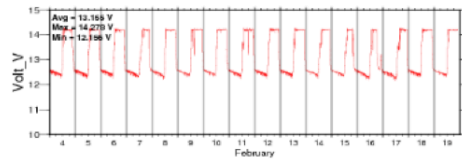
Station	Active	Bad	Total
Seismic	26	2	28

Results Display - Real Time

KYRA_CYG_0697



CUS0_TRI_0326

































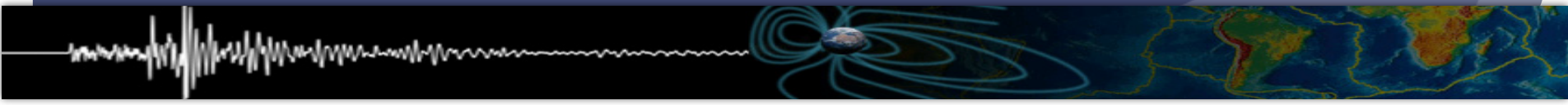
Thu Feb 19 22:09:36 UTC 2015



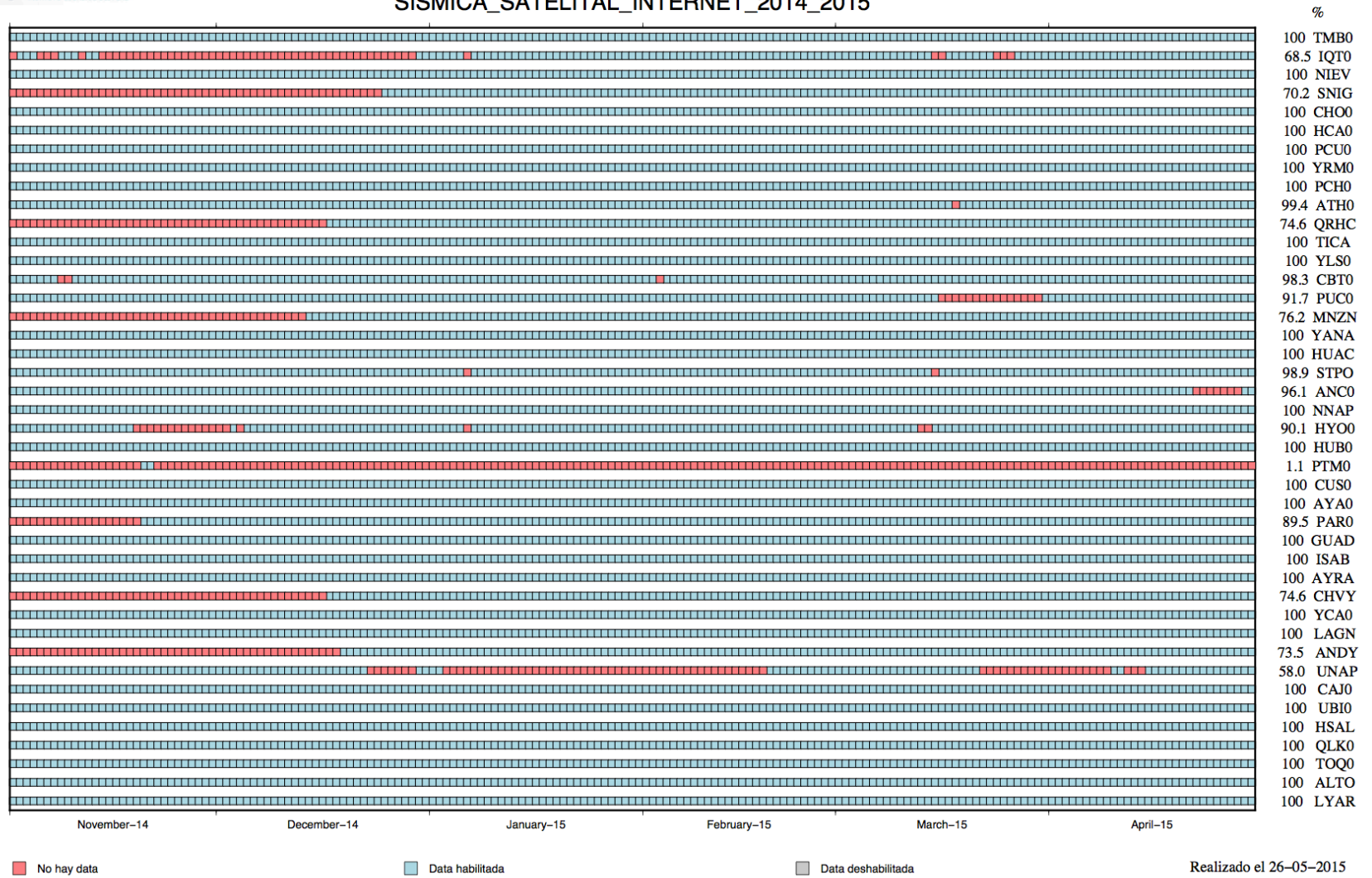
[HOME](#)

[LOGOUT](#)

Station	Input (V)	Temp (C)	Last Packet Receive	Delay (s)	Status	Print
HUB0	23.923	36.24	2015-04-15T21:27:53	50	OK1	
IQT0	12.964	32.99	2015-04-15T21:28:09	34	OK1	
SIG0	13.126	43.64	2015-04-15T21:27:46	57	OK1	
QRHC	13.584	38.26	2015-04-15T21:28:06	37	OK1	
MNZN	13.045	41.99	2015-04-15T21:28:03	40	OK1	
STPO	24.247	43.80	2015-04-15T21:27:42	61	OK2	
HYQ0	24.386	15.14	2015-04-15T21:27:57	46	OK1	
CHVY	13.449	32.54	2015-04-15T21:28:33	10	OK1	
ANDY	13.193	37.24	2015-04-15T21:27:55	48	OK1	
HUB1	24.367	36.30	2015-04-15T21:28:36	7	OK1	
NIEV	24.350	39.55	2015-04-15T21:28:30	13	OK1	
TICA	24.307	21.70	2015-04-15T21:27:59	44	OK1	
YLS0	12.426	33.90	2015-04-15T21:27:34	69	OK2	
YANA	24.283	16.79	2015-04-15T21:28:02	41	OK1	
QRHC	13.584	38.26	2015-04-15T21:28:06	37	OK1	
CUS0	14.384	13.95	2015-04-15T21:28:30	13	OK1	
GUAD	13.878	33.22	2015-04-15T21:27:57	46	OK1	
ISAB	24.232	20.09	2015-04-15T21:27:39	64	OK2	
AYRA	24.188	20.62	2015-04-15T21:28:29	14	OK1	
LAGN	24.373	17.74	2015-04-15T21:27:46	57	OK1	
ALTO	13.059	26.10	2015-04-15T21:27:58	45	OK1	
HUB2	23.829	32.77	2015-04-15T21:27:56	47	OK1	
TMB0	24.110	36.45	2015-04-15T21:28:33	10	OK1	
CHOC	13.046	32.75	2015-04-15T21:28:03	40	OK1	
YRM0	24.207	29.46	2015-04-15T16:14:30	18853	DEAD	
PCH0	13.690	32.81	2015-04-15T21:28:22	21	OK1	
PUC0	24.263	35.19	2015-04-15T21:27:56	47	OK1	
YCA0	12.071	31.46	2015-04-15T21:28:34	9	OK1	
QLK0	24.246	34.20	2015-04-15T21:28:37	6	OK1	
TOQ0	24.221	26.33	2015-04-15T21:27:51	52	OK1	



SISMICA_SATELITAL_INTERNET_2014_2015



Visit <http://www.igp.gob.pe>



Thanks !

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