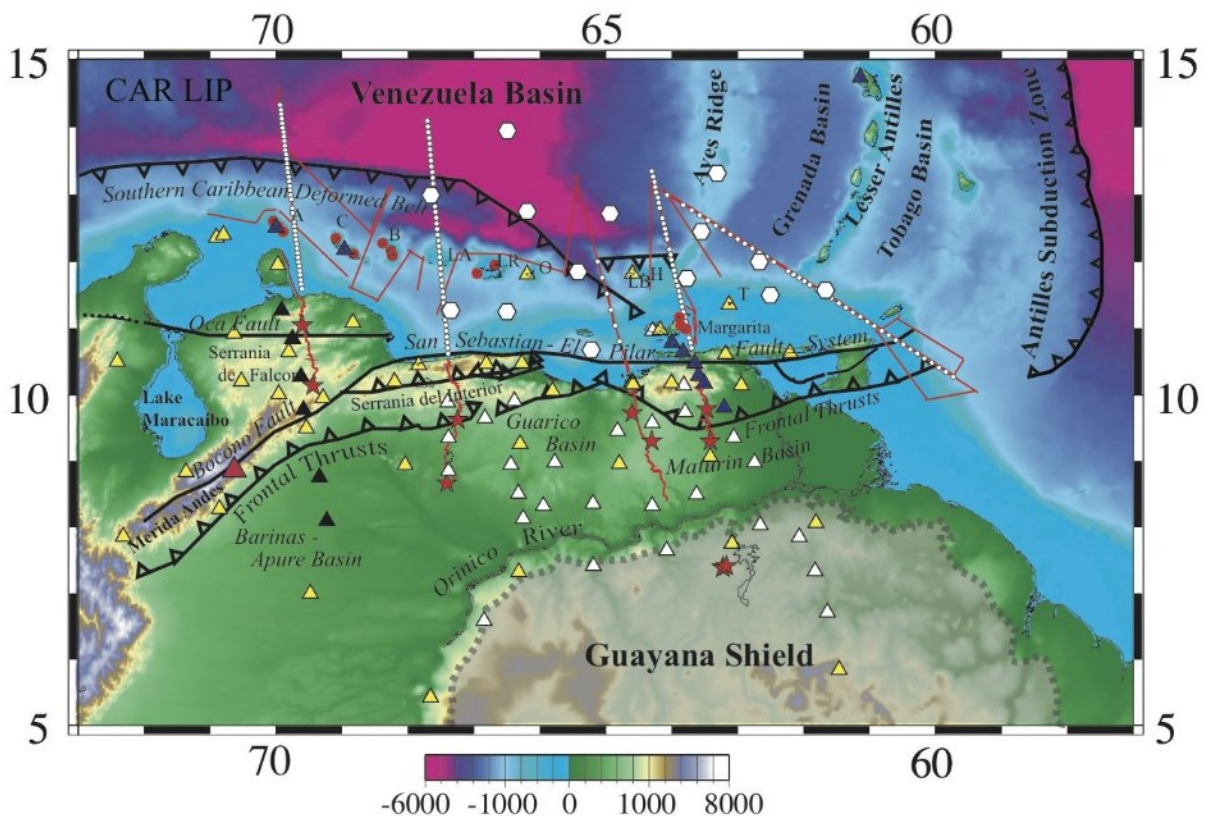


OBSIP Experiment Archive

Year:	2004
Experiment Name:	Broadband Onshore-offshore Lithospheric Investigation of Venezuela and the Antilles arc Region (BOLIVAR)
Principal Investigator(s):	Alan Levander John Collins Fenglin Niu Colin Zelt Hans Ave Lallemand Adrian Lenardic

Experiment Summary: (Taken from NSF Abstract #[0003572](#)): This is a project to study the Caribbean-South American oblique arc-continent collision zone using various geologic (mapping, structure), geochemical (Ar-Ar and U-Pb Geochronology), and seismic (active MCS with onshore/offshore recording using OBS instruments, passive array) techniques. There will also be a geodynamic modeling study that, very innovatively, includes the dynamics of crust-mantle interaction. *Continued Next Page*



Active source OBS are in white circles and broadband are white hexagons.

OBSIP Experiment Archive

...Continued

Year:	2004
Experiment Name:	Broadband Onshore-offshore Lithospheric Investigation of Venezuela and the Antilles arc Region (BOLIVAR)
Principal Investigator(s):	Alan Levander John Collins Fenglin Niu Colin Zelt Hans Ave Lallemand Adrian Lenardic

Experiment Summary: ...The overall goal of the project is to understand further the geometry and chronology of a world class, arc-continent accretion event. Seismic/geological cross-sections are to be derived for several transects across the orogen at different ages of collision. The group of investigators include highly capable seismologists in both active and passive seismology, as well as geologists familiar with the orogenic developments on land. The cooperation with Venezuelan scientists and students is excellent.

Cruises:

4/18/2004 - 6/3/2004:

15 SIO broadband OBS and 114 WHOI short-period OBS were deployed and recovered with the R/V Ewing [EW0404]. Four SIO broadband OBS (DAQI, MTAI, RRNR, ZOMB) had no usable data.

Data:

Data from all instruments deployed are archived under network code [XT](#) at the IRIS DMC.

Downloads/Links:

[EOS Article](#)

[Experiment Website](#)

[Cruise Report](#)