

UPCOMING CRUISES

Country	Dates	PI	Ship	Cruise ID / Location	Research Objectives
China	Oct - Nov 2009	C. Tao	R/V DayangYihao, ROV Sea Dragon 2	EPR, 2°S	Investigate hydrothermal vents and recover samples at the equatorial EPR
China	Nov - Dec 2009	C. Tao	R/V DayangYihao	SMAR	Investigation of hydrothermal plumes along the southern Mid-Atlantic Ridge
China	Dec 2009 - Jan 2010	H. Zhou	R/V DayangYihao	SWIR	Investigation of hydrothermal vents along the Southwest Indian Ridge
China	Jan - Mar 2010	J. Li	R/V DayangYihao	SWIR, 50°W	Chinese OBS experiment at the Southwest Indian Ridge with possible French collaboration
China	Mar - Apr 2010	COMRA	R/V DayangYihao	SWIR and CIR	Investigation of hydrothermal vents along the Southwest Indian Ridge and Central Indian Ridge
France	Mar - Apr 2010	P. Gente	R/V L'Atalante, submersible Nautille, AUV ASTERx	PARISUB / EPR, 16°N	Investigation of the interaction between a plume, the Mathematicians hotspot, and the EPR spreading axis
France	Apr - May 2010	F. Lallier; N. Le Bris	R/V L'Atalante, submersible Nautille	MESCAL / EPR, 9°N, 11°N, 13°N	(a) Colonization strategies and adaptation of <i>Alvinella pompejana</i> to thermal and chemical stresses, and (b) integrative biology of thiotrophic endosymbiosis
France	Jun - Jul 2010	A. Godfroy	R/V L'Atalante, submersible Nautille, AUV ASTERx	BIG / Guaymas Basin	Characterize physicochemical gradients and microbial and animal communities to evaluate the taxonomical and functional similarities within the vent and cold seep habitats
France	Aug 2010	M. Cannat; J. Blandin; P. M. Sarradin	N/O Pourquoi Pas?, ROV Victor	MOMARSAT / NMMAR, Lucky Strike	Deploy acoustically-linked, multidisciplinary observing system at the Lucky Strike vent field, with satellite connection to shore; installation of an ESONET observatory in the MOMAR area
France	2010	J. Perrot	NRP Don Carlos	HYDROBS-MOMAR / NMMAR	To continue the experiment of hydrophones in the SOFAR channel around the MOMAR area
France	2010	J.-Y. Royer	R/V Marion Dufresne	OHA-SIS-BIO / Indian Ocean	To continue and expand the hydrophone experiment to monitor the seismicity of the three Indian ridges and the deformation zone of the Central Indian Ocean, as well as the vocal activity of marine mammals
France	2010	C. Hémond	R/V Marion Dufresne	GEISEIR 2 / SEIR	To extend further west the area studied during GEISEIR
France	2010	D. Sauter; M. Cannat	R/V Marion Dufresne	SMOOTHSEAFLOOR / SWIR	To better constrain the composition, structure, magnetic signature and mode of formation of the "smooth seafloor" domains described during a previous cruise on the Southwest Indian Ridge
Germany	30 Jul - 10 Aug 2010	C. Borowski	R/V Poseidon, AUV, ROV Cherokee	MoMARMMap, P402 / NMMAR, Menez Gwen	AUV mapping
Germany	30 Aug - 8 Oct 2010	N. Dubilier	RV Meteor, ROV Quest	MenezMAR, M82/3 / NMMAR, Menez Gwen	
Germany	Jun 2011	W. Bach	RV Sonne, ROV Quest	Bambus / Manus Basin	
Japan	14-27 Jan 2010	K. Okino	R/V Hakuho-maru	KH09-5-4 / SWIR, near Marion hotspot, 26-39°E	Geophysical mapping and dredging
Japan	May 2010	T. Urabe	R/V Daini Hakurei-maruru	S. Mariana BSC	BMS drilling for TAIGA project
Japan	Aug 2010	N. Seama		S. Mariana BSC	OBS and OBEM deployments
Japan	Sep 2010	S. Kojima; J.-I. Ishibashi	R/V Yokosuka, subm. Shinkai 6500	S. Mariana BSC	Biology and geochemistry of hydrothermal vents
Japan	Nov - Dec 2010	K. Okino	R/V Hakuho-maru, AUV or deep-tow	KH10-5 / Indian RTJ	Integrated survey around Kairei hydrothermal site for TAIGA project
Korea	16 Dec 2009 - 3 Jan 2010	KORDI	R/V Onnuri	CIR, north of the triple junction, 8-17°S	The objective of the first cruise is to obtain multi-beam bathymetry and magnetic data on an un-surveyed ridge segment. The second cruise will conduct dredges for rock and chimney sampling, and water column surveys for hydrothermal plumes.
Korea / USA	2-14 Jan 2010	KOPRI; NOAA	R/V James Clark Ross	Bransfield Strait	Collaborative project for hydroacoustic monitoring in the Bransfield Strait; these recordings are expected to help better understand tectonic events, volcanic activities, and ice breakup in the region.

Korea / Canada / USA	2011	KOPRI	proposed with ROV ROPOS	Bransfield Strait	Collaboration between KOPRI, Univ. Victoria, and NOAA
Portugal	Jun 2010	P. Ferreira; A. Colaço	NRP Almirante Gago Coutinho	NMAR, Menez Gwen	Multidisciplinary cruise (geology/biology)
UK	7 Jan - 24 Feb 2010	P. Tyler	RRS James Cook, ROV Isis	ChEsSo 2 / ESR	Detailed analysis of East Scotia Ridge vents
UK	20 Mar - 24 Apr 2010	D. Connelly	RRS James Cook, AUV Autosub 6000, TOBI	Mid-Cayman Rise Leg 1 / Mid-Cayman Spreading Center	Geochemistry and biology of hydrothermal vents
UK	2010	N. White	RRS James Cook	Reykjanes Ridge	A follow-up cruise to collect multichannel seismic data over V-shaped ridges south of Iceland; site survey for an IODP drilling proposal
UK	Jan 2011	A. Rogers	RRS James Cook, ROV Isis	Bransfield Strait	Vents and seeps in Bransfield Strait
UK	2011	J. Copley	with ROV Isis	Mid-Cayman Rise Leg 2 / Mid-Cayman Spreading Center	Geochemistry and biology of hydrothermal vents
USA / Japan	21 Nov - 6 Dec 2009	D. Wiens; N. Seama	R/V Revelle	Lau Basin, ELSC	Crustal accretion and mantle processes along the subduction-influenced Eastern Lau Spreading Center; includes seismic survey of ELSC and deployment of OBSs
USA	22 Nov - 6 Dec 2009	A. Teske; M.K. Tivey	R/V Atlantis, submersible Alvin	AT 15-56 / Guaymas Basin	Microbial carbon and sulfur cycling in the hydrothermally altered sediments of Guaymas Basin; Using thermocouple arrays to investigate temporal and spatial microbial colonization in actively forming hydrothermal vent deposits
USA	9-17 Dec 2009	D. Bohnenstiehl; R. Embley	R/V Revelle	Lau Basin, ELSC	Assessment of T-wave processes and hydroacoustic monitoring capabilities in the Lau Basin; NOAA VENTS
USA / Austria	16 Dec 2009 - 1 Jan 2010	S. Nooner; M. Cormier; M. Bright	R/V Atlantis, ROV Jason II	AT 15-58 / EPR, 9°N	Establishing a long-term geodetic network at the East Pacific Rise, Ridge 2000 Integrated Studies Site; Testing models of magma movement along the East Pacific Rise using combined geodetic and numerical experiments; Succession of deep sea hydrothermal vent meiofauna after a recent eruption
USA / Chile	24 Feb - 17 Mar 2010	A. Thurber; J. Sellanes; C. German	R/V Melville, AUV Sentry	Chile Triple Junction	Preliminary detection, location, mapping and photography of the seafloor at new seep and vent sites along the Chile margin including the adjacent Chile Rise
USA	15 Mar - 14 Apr 2010	J. Sinton	R/V Atlantis, submersible Alvin, AUV Sentry	Galapagos Spreading Center	Volcanic Eruptions on the Galapagos Spreading Center: Effect of Variable Magma Supply on Eruption and Magma Chamber Processes on Mid-Ocean Ridges
USA	16-30 Mar 2010	W. Chadwick	R/V Kilo Moana, ROV Jason II	Mariana Arc	Strombolian volcanism, magma degassing, and hydrothermal discharge at an active submarine arc volcano
USA	17 Apr - 10 May 2010	D. Bohnenstiehl	R/V Kilo Moana	Lau Basin	Assessment of T-wave Processes and Hydroacoustic Monitoring Capabilities in the Lau Basin
USA	17 May - 18 Jun 2010	K. Harpp	R/V Melville, TowCam	Galapagos Spreading Center	Plume-Ridge Interaction in the Northern Galápagos: Understanding mantle-lithosphere dynamics through geochemistry, geophysical mapping, and gravity modeling
USA	6-26 Jul 2010	J. Cowen; R. Lee; M. Tivey; M. Lilley	R/V Atlantis, submersible Alvin	Juan de Fuca, Endeavour	CORK Optical Telemetry System; Thermal biology of hydrothermal vent paralyneiid worms; Resistivity probe deployments at the Endeavour ISS
USA	24 Jul - 21 Aug 2010	J. Delaney; R. McDuff	R/V Thompson, ROV Jason II	Enlighten'10 / Juan de Fuca	Regional Scale Nodes Detailed Site Characterization; Student Instruction
USA	25 Aug - 6 Sep 2010	W. Chadwick; J. Huber	R/V Thompson, ROV Jason II	Juan de Fuca, Axial Seamount	Monitoring inflation at Axial Seamount; Function, activity, and adaptation of microbial communities in geochemically diverse seafloor habitats
USA	27 Oct - 10 Nov 2010	D. Wiens	R/V Kilo Moana	Lau Basin, ELSC	Crustal accretion and mantle processes along the subduction-influenced Eastern Lau Spreading Center; includes recovery of OBSs