Supplementary files

DATE	TIME	LON	LAT	DEPTH	AUTHOR	MW	STRIKE	DIP	RAKE
24/07/1991	54:52.4	34.62	-18.3	24.7	HRVD	5.1	0	45	-90
22/02/2006	19:07.8	33.33	-21.2	12	HRVD	7	172	65	-78
23/02/2006	23:42.2	33.18	-21.33	12	HRVD	5.7	172	58	-91
17/09/2006	24:54.5	41.71	-17.54	19.6	GCMT	5.1	174	52	-86
24/09/2006	56:21.7	41.78	-17.59	12	GCMT	5.6	171	50	-89
09/10/2011	47:16.8	38.88	-26.89	30.8	GCMT	4.9	44	40	-86
25/01/2013	37:02.1	43.58	-23.73	24	GCMT	4.9	149	70	102
24/06/2017	02:37:20	34.48	-19.42	27	GCMT	5.6	292	67	163

Table S1 – Earthquake focal mechanisms used in this paper.

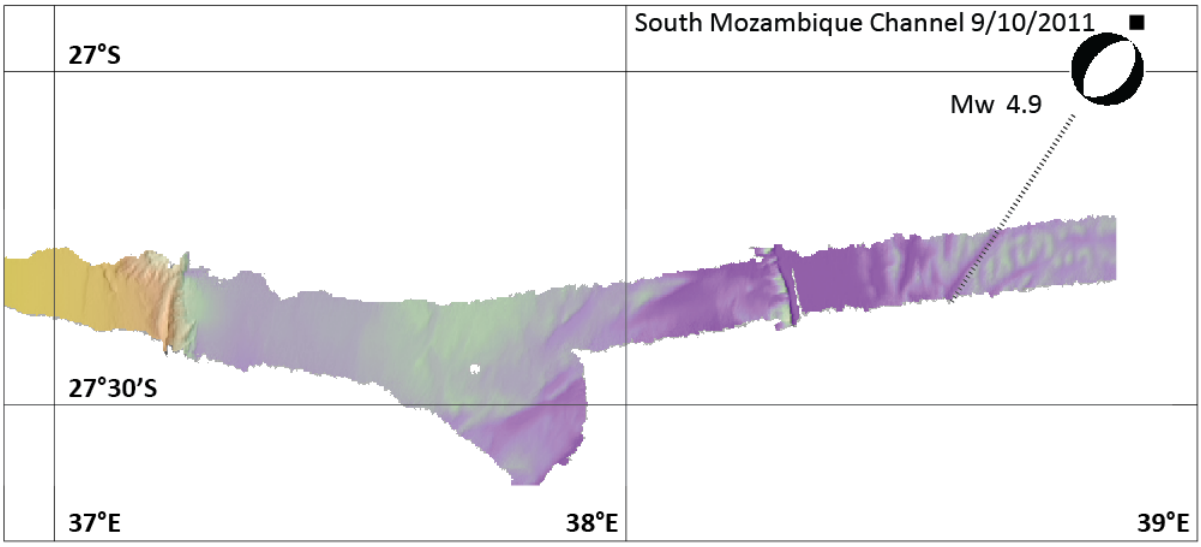

Fig. S1 – Available bathymetric data close to the Mw 4.9 earthquake (9/10/2011) south of the Mozambique Channel.

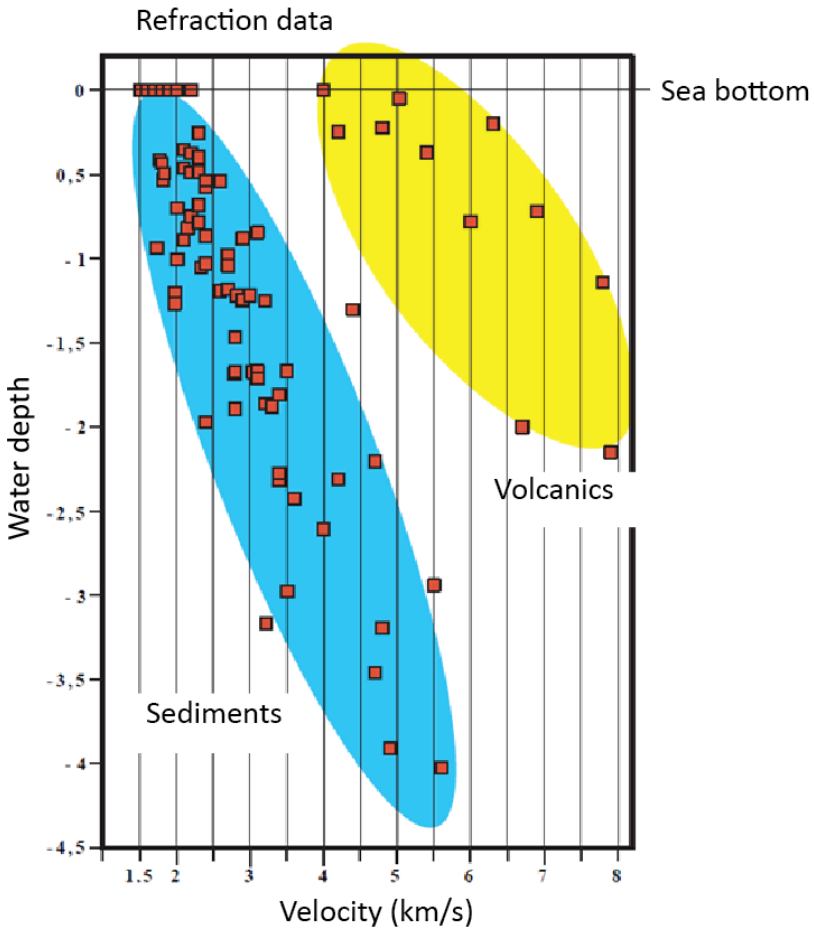

Fig. S2 – Seismic velocities deduced from refraction studies (from unpublished IFP rapport).

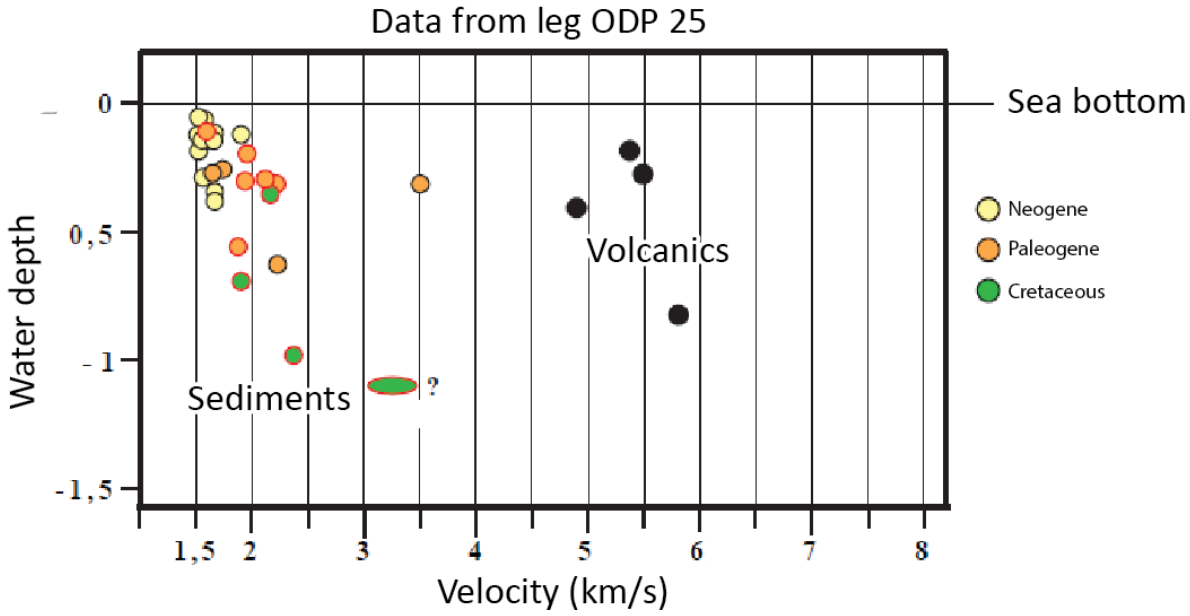

Fig. S3 – Seismic velocities deduced from available well data (ODP leg 25, wells 242, 248, 250).