

Site	Site name	Latitude (N)	Longitude (W)	Water depth (m)	Temp. gradient (K m <sup>-1</sup> )	Heat flow (mW m <sup>-2</sup> )	SR (m kyr <sup>-1</sup> )	MAR (g cm <sup>-2</sup> yr <sup>-1</sup> )
GCs								
St.07-GC01	North Seep	27°33.301'	111°32.882'	1845	0.14	28	n.d.	n.d.
St.10-GC04	Reference Site	27°26.531'	111°29.928'	1846	0.22	140	n.d.	n.d.
St.09-GC03	Central Seep	27°28.138'	111°28.420'	1837	n.d.	n.d.	n.d.	n.d.
St.09-GC13	Central Seep	27°28.193'	111°28.365'	1838	0.16	113	n.d.	n.d.
St.72-GC15	Central Seep	27°28.178'	111°28.396'	1837	n.d.	n.d.	n.d.	n.d.
St.51-GC09	Smoker Site	27°24.472'	111°23.377'	1840	11	8069	n.d.	n.d.
St.58-GC10	Smoker Site	27°24.478'	111°23.377'	1845	10	6509	n.d.	n.d.
St.47-GC07	Slope Site	27°24.412'	111°13.649'	671	n.d.	n.d.	n.d.	n.d.
MUCs								
St.33-MUC11	North Seep	27°33.301'	111°32.883'	1855	n.d.	n.d.	1.7 <sup>a</sup> 3.5 <sup>a</sup>	0.05 <sup>a</sup> 0.15 <sup>a</sup>
St.23-MUC05	Ring Seep	27°30.282'	111°40.770'	1726	n.d.	n.d.	0.5	0.01
St.15-MUC02	Reference Site	27°26.925'	111°29.926'	1845	n.d.	n.d.	2.3	0.04
St.22-MUC04	Central Seep	27°28.165'	111°28.347'	1839	n.d.	n.d.	1.7	0.04
St.65-MUC15	Smoker Site	27°24.342'	111°22.970'	1846	n.d.	n.d.	1.8	0.05
St.66-MUC16	Smoker Site	27°24.577'	111°23.265'	1842	n.d.	n.d.	2.1 <sup>b</sup> 0.4 <sup>+b</sup>	0.08 <sup>b</sup> 0.02 <sup>+b</sup>
HF lance								
St.60a – HF008_P03	Smoker Site	27°24.273'	111°23.396'	1840	4.6	3206	n/a	n/a
St.60a – HF008_P01		27°24.623'	111°23.626'	1834	0.86	599	n/a	n/a
St.60a – HF008_P02		27°24.554'	111°23.512'	1840	2.8	1953	n/a	n/a
St.60a – HF008_P04		27°24.408'	111°23.288'	1849	2039	1427	n/a	n/a
St.60a – HF008_P05		27°24.341'	111°23.177'	1852	1014	710	n/a	n/a
St.60a – HF008_P06		27°24.265'	111°23.082'	1844	0.74	516	n/a	n/a
St.60b – HF008_P07		27°24.193'	111°23.956'	1834	0.8	579	n/a	n/a
St.60b – HF009_P04		27°24.543'	111°23.351'	1837	15	10 835	n/a	n/a
St.60b – HF009_P01		27°24.605'	111°23.317'	1837	0.39	274	n/a	n/a
St.60b – HF009_P02		27°24.552'	111°23.347'	1834	3451	2415	n/a	n/a
St.70 – HF011_P01	Graben Site	27°25.802'	111°25.486'	1870	0.38	262	n/a	n/a
St.70 – HF011_P02		27°25.460'	111°24.946'	2019	0.48	338	n/a	n/a
St.70 – HF011_P03		27°25.955'	111°24.493'	2046	0.43	302	n/a	n/a
St.70 – HF011_P04		27°25.837'	111°24.951'	2025	0.46	320	n/a	n/a
Authigenic carbonate								
St.56-VgHG-4	Central Seep	27°28.181'	111°28.379'	1843	n/a	n/a	n/a	n/a