Site U1427, Table T12. Interstitial water chemistry, Site U1427.

Core, section, interval (cm)	Top depth CSF-A (m)	Top depth CCSF-A (m)	Sample type	Alkalinity (mM) Titration	pH ISE	Salinity (‰) Refract	Cl^- (mM) Titration	Cl^- (mM) IC	SO_4^{2-} (mM) IC	Br^- (mM) IC	Na (mM) ICP	Ca (mM) ICP	Mg (mM) ICP	K (mM) ICP	B (µM) ICP	Ba (µM) ICP	Fe (µM) ICP	Li (µM) ICP	Mn (µM) ICP	Si (µM) ICP	Sr (µM) ICP	NH_4^+ (µM) Spec	PO_4^{3-} (µM) Spec	H_4SiO_4 (µM) Spec	HS^- (µM) Spec
346-U1427A-																									
1H-1, 0–5	0.00	0.06	ML	2.45	7.54	35.00	544.96	534.89	27.47	0.83	464.71	9.85	51.30	10.46	423.09	1.30	BD	25.35	2.86	162.14	87.63		2.71	144.97	
1H-2, 65–70	1.56	1.62	IW-Sq	15.92	7.53	36.00	542.29	535.89	19.31	0.85	464.44	8.18	49.38	12.30	590.52	20.69	1.15	23.92	0.41	632.76	84.80	1,235.84	78.23	652.14	
2H-1, 145–150	3.25	3.03	IW-Sq	34.16	7.64	36.00	537.52	532.69	7.87	0.86	462.61	5.65	50.62	12.08	636.49	79.55	2.07	18.74	4.12	699.63	78.90	2,242.32	146.78	708.92	3,135.73
2H-4, 145–150	7.75	7.53	IW-Sq	56.73	7.61	35.00	535.47	523.95	1.95	0.88	428.56	2.97	49.63	11.33	662.51	115.22	9.26	18.34	0.17	619.02	66.09	4,850.29	294.14	595.76	
3H-1, 145–150	12.75	13.61	IW-Sq	70.90	7.42	36.00	523.09	517.28	2.04	0.92	436.53	2.54	55.31	11.26	672.50	95.64	28.55	25.36	0.72	822.75	54.94	7,533.58	426.48	715.43	6.56
3H-4, 143–148	17.16	18.02	IW-Sq	80.74	7.42	37.00	524.47	514.18	1.90	0.95	430.62	2.39	57.79	11.29	688.58	58.44	3.86	27.29	0.54	704.36	50.39	9,254.43	502.36	727.44	0.00
4H-2, 145–150	22.76		IW-Sq	91.99	7.50	37.00	524.02	514.84	2.00	1.02	449.69	1.95	62.53	12.82	706.43	84.60	8.20	28.02	0.76	728.48	44.58	11,337.01	588.13	714.41	0.00
4H-5, 132–137	26.45		IW-Sq	99.54	7.50	38.00	523.01	519.69	1.91	1.03	431.80	1.61	62.28	12.19	710.50	85.79	4.85	28.19	0.45	727.70	43.62	11,909.37	624.92	750.84	
5H-1, 145–150	31.75		IW-Sq	101.95	7.62	37.00	513.02	512.66	2.00	1.05	434.41	1.06	62.22	12.78	714.23	38.92	15.02	29.78	0.45	786.82	31.77	12,731.07	591.81	708.92	0.00
6H-2, 146–151	41.61		IW-Sq	112.53	7.42	38.00	523.48	521.07	1.90	1.13	443.79	1.50	65.11	13.03	761.27	91.99	10.54	29.09	0.92	729.78	46.87	13,521.60	624.07	724.38	0.00
7H-2, 141–146	51.37		IW-Sq	112.09	7.54	38.00	530.32	518.18	2.19	1.15	446.81	1.44	62.85	14.29	678.76	98.74	30.58	25.41	0.49	807.93	50.78	13,752.06	556.25	722.35	0.00
8H-2, 139–144	60.59		IW-Sq	116.50	7.42	39.00		516.12	1.98	1.19	446.08	1.57	63.57	13.34	707.91	80.57	24.22	30.95	0.56	805.36	50.78	14,713.54	594.01	768.75	0.00
9H-2, 137–142	70.19		IW-Sq	121.17	7.53	40.00	526.80	518.11	1.97	1.23	476.20	1.60	65.53	15.68	654.65	69.28	7.77	38.24	0.32	692.88	49.67	16,333.33	531.32	682.26	
12H-1, 145–150	98.25		IW-Sq	114.48	7.29	39.00	523.46	517.00	3.43	1.28	455.12	2.09	60.42	12.98	705.52	60.99	21.10	51.49	0.48	801.02	54.06	19,540.80	540.75	813.12	
15H-2, 140–145	127.14		IW-Sq	117.07	7.41	38.00	521.46	518.82	1.92	1.41	462.71	1.94	53.49	13.70	591.56	82.72	10.46	69.34	0.42	789.35	53.34	20,396.50	541.49	796.43	
18H-2, 145–150	155.70		IW-Sq	118.49	7.30	38.00	527.67	510.84	1.92	1.48	458.91	2.33	49.98	13.26	581.75	145.70	24.72	74.01	0.89	948.44	59.28	19,882.70		856.26	
21H-2, 140–145	185.20		IW-Sq	123.30	7.17	39.00	521.56	512.47	1.90	1.57	476.67	2.36	49.25	13.67	604.79	71.02	8.37	117.01	0.56	861.10	61.22	22,488.53	499.63	872.34	
22H-4, 150–155	197.65		IW-Sq	125.05	7.38	39.00	527.24	522.45	1.90	1.64	476.85	2.07	46.67	14.65	503.62	52.28	14.37	125.21	0.69	902.49	56.21	24,218.82	460.85	903.28	
24H-1, 140–145	212.20		IW-Sq	127.16	7.40	39.00	526.94	527.13	2.02	1.67	481.23	3.02	45.88	14.12	489.83	95.37	3.38	129.39	0.55	770.17	65.14	25,554.32	487.20	822.48	
28H-1, 123–128	239.33		IW-Sq	129.47	7.38	39.00	532.95	527.36	1.89	1.77	489.25	2.95	43.19	14.34	508.10	116.88	4.86	196.97	0.43	920.24	72.59	28,606.89	448.11	884.96	
34H-2, 121–126	267.90		IW-Sq	127.66	7.48	39.00	531.21	514.33	1.91	1.77	487.27	2.65	41.92	14.05	460.95	74.14	2.66	236.88	0.37	866.11	63.06	31,238.43	361.59	880.48	
41H-2, 86–91	300.71		IW-Sq	130.87	7.39	39.00	531.21	525.45	2.24	1.80	488.66	1.96	42.94	14.06	532.76	116.71	3.24	279.04	0.27	875.62	52.07	33,390.23	341.84	919.15	
47H-2, 95–100	328.70		IW-Sq	132.17	7.61	39.00	539.40	518.21	2.07	1.87	488.84	3.30	41.81	13.81	428.67	191.53	2.10	311.90	0.58	782.72	62.07	35,799.64	338.13	835.30	
52H-1, 140–145	352.30		IW-Sq	132.27	7.24	39.00	535.37	520.60	1.89	1.96	491.50	3.67	42.42	13.42	523.98	138.73	5.67	365.71	0.56	974.19	64.76	35,127.56	319.07	1,036.17	
60H-2, 121–126	391.08		IW-Sq	109.18	7.38	38.00	533.88	526.15	3.10	1.94	476.55	3.38	35.56	12.78	611.34	35.52	6.85	417.74	0.39	1,010.57	62.64	37,106.99	243.62	1,067.31	
66H-1, 108–113	417.78		IW-Sq			38.00	535.64	531.32	1.98	2.09	501.47	3.17	32.71	13.66	546.88	115.33	1.63	480.76	0.47	950.75	62.12	38,373.67	231.47	1,016.43	
72H-2, 125–130	446.50		IW-Sq	97.37	7.45	37.00	529.67	525.94	2.00	2.12	491.14	3.70	25.94	13.37	490.21	66.84	1.40	526.31	0.33	907.85	84.78	39,564.82	196.63	974.10	
79H-1, 140–145	478.90		IW-Sq	91.88	7.15	36.00	532.88	525.82	1.97	2.16	494.68	4.33	22.07	13.18	570.64	98.91	2.01	621.50	0.52	1,041.88	118.37	36,303.21	109.00	1,048.79	
85X-2, 138–143	521.56		IW-Sq	71.40	7.49	35.00	540.11	521.77	2.01	2.18	495.65	3.23	15.97	13.40	454.86	86.85	1.14	647.10	0.15	862.90	109.85	34,974.55	54.61	920.37	
87X-1, 140–145	540.30		IW-Sq	79.14	7.10	35.00	532.72	526.07	2.32	2.20	485.46	4.97	16.20	13.18	661.12	237.66	1.12	680.11	1.21	1,174.81	138.14	38,195.48	48.51	1,246.21	
346-U1427B-																									
1H-1, 0–5	0.00	0.00	ML	2.43	7.67		548.12	536.16	28.52	0.84	466.61	9.84	51.41	10.31	423.89	BD	BD	25.18	0.11	70.44	89.37	14.77			
1H-1, 10–11	0.10	0.10	IW-Rh	3.42	7.50			536.21	28.23	0.84												144.04			
1H-1, 30–31	0.30	0.30	IW-Rh	4.38	7.56		548.00	540.64	28.04	0.85												271.28			
1H-1, 50–51	0.50	0.50	IW-Rh	6.01	7.66		550.40	536.96	26.86	0.85	473.75	9.53	50.21	12.16	536.55	BD	BD	26.45	4.95	669.81	88.67	447.41			
1H-1, 80–81	0.80	0.80	IW-Rh	8.50	7.60			534.65	24.72	0.84	465.43	9.34	50.43	11.99	549.63	BD	BD	25.75	2.10	642.04	88.40	659.61			
1H-1, 120–121	1.20	1.20	IW-Rh	11.79	7.59		551.15	535.74	22.44	0.84	466.30	8.75	49.86	12.00	532.70	BD	BD	24.23	0.62	589.76	85.40	957.12			
1H-2, 30–31	1.80	1.80	IW-Rh	17.34	7.78			532.65	19.02	0.85	454.29	7.73	48.66	11.70	559.35	2.51	BD	22.44	0.15	602.93	83.32	1,329.96			
1H-2, 80–81	2.30	2.30	IW-Rh	21.34	7.83		546.44	534.75	16.07	0.86	467.61	7.26	50.22	12.07	556.66	5.29	BD	20.64	BD	610.53	81.24				
1H-2, 120–121	2.70	2.70	IW-Rh	25.80	7.81		549.15	534.90	13.48	0.86	428.20	6.30	46.21	10.94	587.10	8.23	BD	18.87	BD	638.56	79.79	1,962.34			
1H-3, 30–31	3.30	3.30	IW-Rh	32.05	7.81			539.22	10.34	0.88	441.59	5.76	48.67	11.30	587.23	14.50	BD	17.74	BD	647.72	77.90				
1H-3, 80–81	3.80	3.80	IW-Rh	36.45	7.89			533.75	7.24	0.87	442.10	5.08	47.46	11.51	631.46	23.10	BD	17.25	BD	671.48	76.72	2,367.21			
1H-4, 30–31	4.30	4.30	IW-Rh	41.30	7.87		545.18	532.32	3.95	0.86	434.10	3.60	48.72	11.28	620.51	31.31	BD	16.27	BD	645.66	73.59	2,745.76			
2H-1, 30–31	5.10	4.94	IW-Rh	47.59	7.85		544.21	529.66	2.09	0.88					628.14	48.72	BD	15.30	BD	644.36	71.29	3,322.57			
2H-1, 80–81	5.60	5.44	IW-Rh	48.34	7.88		552.91	523.13	2.02	0.87	428.43	3.50	48.32	11.40	644.82	56.33	BD	15.62	BD	601.60	70.08	3,412.06			
2H-1, 120–121	6.00	5.84	IW-Rh	49.10	7.88		547.25	525.67	2.75	0.88												3,726.32			
2H-2, 30–31	6.60	6.44	IW-Rh	52.71	7.79		532.36	525.98	2.26	0.89	444.40	3.34	50.36	11.42	650.98	63.77	BD	16.44	BD	548.74	69.89	3,904.38			
2H-2, 80–81	7.10	6.94	IW-Rh	54.47	7.76		535.31	525.13	2.34	0.89	438.59	3.20	50.20	11.30	631.39	64.46	BD	16.59	BD	540.77	67.12	4,246.99			
2H-2, 120–121	7.50	7.34	IW-Rh	55.38	7.83			525.15	2.49	0.89	437.76	3.10	50.28	11.38	658.51	67.41	BD	17.36	BD	558.28	67.44				
2H-3, 40–41	8.20	8.04	IW-Rh	57.32	7.76			522.22	2.12	0.90	440.19	2.94	51.53	11.42	659.96	67.63	BD	18.49	BD	575.74	65.01	5,117.30			
2H-3, 100–101	8.80	8.64	IW-Rh	59.27	7.64		539.28	524.36	2.25	0.90	445.62	2.92	52.62	11.67	724.93	74.77	BD	22.09	BD	640.92	70.15				
346-U1427C-																									
1H-1, 0–5	0.00		IW-Rh	2.41	7.53			544.10	27.68	0.81												43.90			0.00
1H-1, 4–5	0.04		IW-Rh	3.15	7.26			543.45	27.73	0.81												93.06			0.00
1H-1, 42–43	0.42		IW-Rh	5.70	7.16			551.20	26.44	0.82												318.29			50.16
1H-1, 73–74	0.73		IW-Rh					538.23	23.58	0.82												518.37			85.12
1H-1, 90–91	0.90		IW-Rh	10.53	7.35			553.52	23.14	0.82															606.29
1H-1, 109–110	1.09		IW-Rh	12.05	7.57			550.62	21.97	0.84												837.98			942.34
1H-1, 140–141	1.40		IW-Rh	14.84	7.50			541.82	19.59	0.82															1,325.85
1H-2, 39–40	1.89		IW-Rh	19.59	7.71			547.72	16.70	0.84															1,959.71
1H-2, 89–90	2.39		IW-Rh	24.49	7.85			547.42	13.77	0.85															2,306.75
1H-2, 139–140	2.89		IW-Rh	29.06	7.84			547.07	10.63	0.84															2,854.25
1H-3, 39–40	3.39		IW-Rh	33.77	7.79			541.01	7.88	0.84															3,338.68
1H-3, 104–105	4.04		IW-Rh	40.32	7.88			551.07	4.56	0.87															3,950.87
1H-3, 138–139	4.38		IW-Rh	44.38	7.92			546.51	2.65	0.87															4,498.55
1H-4, 40–41	4.90		IW-Rh	47.53	7.51			540.09	1.82	0.84															4,147.15
1H-4, 89–90	5.39		IW-Rh	48.31	7.90			544.48	1.83	0.88															3,135.29
1H-4, 139–140	5.89		IW-Rh	50.79	7.44			539.33	1.83	0.86															3,179.72
1H-5, 40–41	6.40		IW-Rh	52.42	7.77			545.25	1.85	0.89															3,275.65
1H-5, 89–90	6.89		IW-Rh	53.08	7.82			542.78	1.83	0.89															3,067.43
1H-6, 5–6	7.31		IW-Rh	54.70	7.80			537.79	1.83	0.87															2,591.81
1H-6, 39–40	7.65		IW-Rh	56.25	7.54			533.23	1.83	0.91															2,228.13
1H-6, 50–51	7.76		IW-Rh	55.99	7.82			541.70	1.82	0.89															2,020.62

ML = mudline, IW-Sq = interstitial water from whole-round squeezing, IW-Rh = interstitial water from Rhizons. ISE = ion-selective electrode, Refract = refractometer, IC = ion chromatograph, ICP = inductively coupled plasma–atomic emission spectroscopy, Spec = UV-VIS spectrophotometer. BD = below detection.