Data report: electrical properties of gabbroic and troctolitic rocks from IODP Hole U1309D, Atlantis Massif, Table T3. Physical and electrical properties. (**See table notes.**)

				Density (g/cm^3)		Waxman and Smits (1968) model									Revil and Glover (1998) model											
Core, section, interval (cm)	Depth (mbsf)	Lithology	ϕ	ρ_b	ρ_g	F	F standard error	C_S	C_S standard error	R	Fit quality	β	τ	m	F	F standard error	C_S	C_S standard error	R	Fit quality	β	τ	m	Core bulk alteration (%)	Serpentinization (%)	Cataclastic fabric
304-U1309D-																										
5R-3, 124–126	40.11	Troctolitic gabbro	0.039	2.81	2.88	671	160	1.90	0.32	0.95	2	0.20	26.0	2.00	797	167	1.79	0.24	0.97	2	0.22	30.9	2.06	50	<1	1.5
11R-2, 48–50	66.77	Ggabbro	0.017	2.84	2.88	438	37	5.37	0.26	0.99	2	0.32	7.6	1.50	579	68	5.25	0.30	0.99	1	0.38	10.0	1.57	50	<1	0.5
25R-1, 33–35	143.03	Gabbro	0.019	2.72	2.76	375	85	11.22	1.09	0.94	2	0.46	7.2	1.50	575	122	11.39	0.83	0.97	2	0.57	11.1	1.61	40	<1	1.5
25R-3, 94–96	146.49	Olivine-bearing gabbro	0.013	2.94	2.97	731	93	1.57	0.15	0.99	2	0.19	9.5	1.52	859	140	1.47	0.16	0.99	1	0.20	11.2	1.56	40	<1	0.5
26R-3, 83–85	150.94	Olivine-bearing gabbro	0.019	2.95	2.99	540	133	5.10	0.66	0.94	2	0.36	10.3	1.59	724	230	4.96	0.71	0.94	2	0.42	13.9	1.66	30	<1	0
28R-4, 45–47	161.38	Gabbro	0.015	2.93	2.95	453	63	2.23	0.29	0.99	x1	0.17	6.9	1.46	514	97	1.97	0.33	0.98	x1	0.17	7.8	1.49	20	<1	0.5
29R-3, 64–66	165.45	Gabbro	0.016	2.90	2.94	592	59	1.50	0.12	0.99	1	0.15	9.4	1.54	686	79	1.40	0.12	0.99	1	0.16	10.9	1.58	40	<1	0.5
32R-1, 9–11	176.39	Olivine-bearing gabbro	0.031	2.84	2.90	514	52	2.70	0.19	0.99	2	0.22	15.9	1.80	623	38	2.57	0.10	1.00	1	0.24	19.3	1.85	35	<1	0.5
36R-1, 10–12	195.70	Oxide gabbro	0.011	3.36	3.39	235	21	2.67	0.21	0.99	2	0.11	2.6	1.21	268	15	2.56	0.12	1.00	1	0.12	2.9	1.24	10	<1	0
43R-1, 57–79	229.37	Olivine gabbro	0.015	2.93	2.96	382	103	1.02	0.27	0.96	3	0.07	5.9	1.42	417	99	0.94	0.21	0.97	3	0.07	6.4	1.45	40	<1	0
44R-1, 18–20	233.38	Olivine gabbro	0.018	2.95	2.98	583	82	1.26	0.18	0.99	x1	0.13	10.4	1.58	655	117	1.11	0.20	0.99	x1	0.13	11.7	1.61	40	<1	0
44R-2, 83–85	235.53	Disseminated oxide gabbro	0.015	2.86	2.89	621	68	0.68	0.06	1.00	1	0.08	8.9	1.52	691	69	0.62	0.05	1.00	1	0.08	9.9	1.54	30	<1	0.5
51R-1, 74–76	267.54	Gabbro	0.018	2.88	2.91	369	82	0.91	0.20	0.97	2	0.06	6.6	1.47	404	77	0.84	0.16	0.98	2	0.06	7.2	1.49	20	<1	1.5
54R-3, 45–47	284.34	Troctolite	0.008	2.78	2.79	89	20	55.22	6.24	0.96	xx3	0.50	0.7	0.93	293	81	80.92	6.40	0.98	xx3	0.83	2.3	1.17	60	10–50	0.5
58R-1, 110–112	301.50	Olivine gabbro	0.011	2.94	2.96	810	196	0.29	0.08	0.97	2	0.05	8.6	1.47	873	191	0.26	0.06	0.98	2	0.04	9.2	1.49	20	<1	0.8
59R-1, 58–60	305.78	Olivine gabbro	0.012	2.93	2.95	393	48	0.88	0.11	0.99	2	0.06	4.6	1.34	429	35	0.81	0.07	1.00	1	0.06	5.0	1.36	30	<1	0.3
63R-3, 41–43	327.77	Olivine-rich troctolite	0.033	2.77	2.82	59	32	130.36	23.33	0.77	x3	0.60	1.9	1.19	348	29	190.94	3.82	1.00	x1	0.93	11.4	1.71	50	50–90	0.5
64R-1, 58–60	329.78	Olivine-rich troctolite	0.014	2.78	2.81	138	53	70.20	7.09	0.82	3	0.66	2.0	1.16	461	31	83.12	0.94	1.00	1	0.88	6.6	1.44	60	50–90	0.3
66R-2, 93–95	341.23	Troctolite	0.009	2.76	2.78	416	144	13.75	1.74	0.86	3	0.53	3.9	1.29	646	174	13.91	1.10	0.95	3	0.64	6.0	1.38	60	50–90	0.3
67R-3, 17–19	346.43	Gabbro (fine-grained)	0.008	3.00	3.02	548	105	0.15	0.04	0.99	2	0.02	4.1	1.29	574	95	0.13	0.03	0.99	2	0.02	4.3	1.30	30	<1	0
70R-2, 76–78	359.45	Olivine gabbro	0.013	2.81	2.83	306	69	12.39	1.34	0.96	x2	0.43	4.0	1.32	446	73	13.04	0.82	0.99	x2	0.54	5.9	1.41	30	<1	0.8
71R-1, 14–16	362.94	Troctolitic gabbro	0.007	2.96	2.97	576	129	0.51	0.12	0.98	2	0.06	3.8	1.27	626	130	0.46	0.10	0.98	2	0.05	4.1	1.28	10	<1	0.5
71R-5, 13–15	368.26	Olivine gabbro	0.008	2.82	2.83	510	52	0.15	0.02	1.00	1	0.02	4.3	1.31	531	54	0.13	0.02	1.00	1	0.01	4.5	1.31	30	<1	0
73R-2, 86–88	374.71	Troctolitic gabbro	0.009	2.91	2.92	1742	497	0.18	0.05	0.96	2	0.06	16.0	1.59	1875	489	0.16	0.04	0.97	2	0.06	17.2	1.61	40	<1	0
77R-3, 21–23	394.34	Olivine gabbro	0.010	2.98	2.99	156	30	19.03	1.90	0.96	2	0.37	1.5	1.09	238	17	20.84	0.61	1.00	1	0.50	2.3	1.18	40	<1	0
305-U1309D-																										
83R-2, 29–31	416.44	Olivine gabbro	0.010	2.96	2.98	686	164	0.11	0.04	0.98	2	0.01	7.2	1.43	716	171	0.09	0.03	0.98	2	0.01	7.5	1.44	10	<10	0
88R-1, 2–4	439.02	Olivine gabbro	0.009	3.06	3.08	1035	178	0.17	0.03	0.99	2	0.03	9.7	1.49	1097	163	0.15	0.03	0.99	1	0.03	10.3	1.50	10	<1	0
89R-1, 92–94	444.72	Olivine gabbro	0.013	2.99	3.02	515	94	0.25	0.06	0.99	2	0.03	6.8	1.44	546	83	0.22	0.04	0.99	1	0.02	7.2	1.46	10	<10	0
90R-3, 8–10	451.68	Troctolite	0.006	3.01	3.02	814	315	4.24	0.78	0.85	3	0.41	5.1	1.32	1070	393	4.06	0.62	0.91	3	0.46	6.7	1.38	20	<10	0
92R-1, 123–125	459.43	Olivine-bearing gabbro	0.015	2.97	3.00	525	59	0.92	0.10	0.99	2	0.09	7.8	1.49	581	41	0.84	0.05	1.00	1	0.09	8.6	1.51	30	<10	1
95R-3, 35–37	475.73	Olivine-bearing gabbro	0.020	2.95	2.99	390	97	3.51	0.61	0.95	2	0.22	7.8	1.53	479	109	3.40	0.49	0.97	2	0.25	9.6	1.58	30	<10	0.5
97R-1, 6–8	482.26	Olivine-bearing gabbro	0.021	2.92	2.96	461	75	1.34	0.19	0.98	2	0.11	9.9	1.60	517	75	1.24	0.15	0.99	2	0.11	11.1	1.63	20	<10	1
98R-3, 96–98	490.66	Olivine-bearing gabbro	0.015	2.97	3.00	493	61	0.67	0.08	0.99	1	0.06	7.4	1.48	537	46	0.61	0.05	1.00	1	0.06	8.0	1.50	20	<10	1.5
100R-1, 32–34	496.92	Olivine-rich troctolite	0.007	3.03	3.04	148	63	23.72	4.76	0.82	3	0.41	1.1	1.02	221	65	26.40	3.02	0.95	3	0.54	1.6	1.10	10	50–90	0
105R-3, 46–48	523.65	Olivine gabbro	0.011	2.80	2.82	806	270	0.21	0.08	0.95	2	0.03	8.9	1.49	864	280	0.19	0.07	0.96	2	0.03	9.5	1.50	30	<1	0.5
107R-2, 52–54	531.72	Olivine-bearing gabbro	0.010	2.92	2.94	721	154	0.34	0.08	0.98	2	0.05	7.5	1.44	776	147	0.31	0.06	0.99	2	0.05	8.0	1.46	20	<1	0.5
109R-2, 69–71	541.84	Olivine-bearing gabbro	0.010	3.09	3.11	491	112	0.55	0.13	0.98	3	0.05	4.9	1.35	531	103	0.50	0.10	0.98	2	0.05	5.3	1.36	20	<1	0.5
110R-2, 74–76	546.76	Troctolite	0.007	2.94	2.96	989	404	0.28	0.12	0.91	3	0.05	6.8	1.39	1094	436	0.26	0.11	0.93	3	0.05	7.6	1.41	20	<10	0.5
111R-2, 17–19	550.87	Troctolitic gabbro	0.010	3.04	3.06	82	37	42.80	9.11	0.81	3	0.41	0.8	0.95	147	34	54.58	4.75	0.97	3	0.62	1.5	1.08	20	<1	0.5
111R-4, 19–21	553.76	Troctolite	0.011	2.81	2.83	255	81	23.74	2.88	0.91	x3	0.55	2.8	1.23	448	88	26.10	1.43	0.98	x2	0.70	4.9	1.35	20	10–50	0
117R-1, 55–57	578.75	Olivine gabbro	0.008	3.05	3.06	537	109	0.19	0.05	0.99	2	0.02	4.4	1.31	564	106	0.17	0.04	0.99	2	0.02	4.6	1.32	20	<1	0.5
117R-4, 27–29	582.03	Gabbro (fine-grained)	0.006	2.99	3.00	807	245	0.08	0.03	0.97	2	0.01	4.8	1.30	848	239	0.07	0.03	0.97	2	0.01	5.0	1.31	20	<1	0
120R-2, 26–28	594.04	Olivine-bearing gabbro	0.008	2.97	2.99	648	243	0.23	0.10	0.94	3	0.03	5.3	1.35	703	253	0.21	0.09	0.95	3	0.03	5.7	1.36	20	<1	0
124R-4, 47–49	615.87	Oxide gabbro	0.014	2.94	2.97	361	27	1.06	0.08	1.00	1	0.07	5.1	1.38	397	38	0.97	0.09	1.00	1	0.07	5.6	1.41	30	<10	1
127R-2, 99–101	628.69	Oxide gabbro	0.010	2.94	2.96	529	131	0.57	0.15	0.97	2	0.06	5.2	1.35	570	144	0.52	0.13	0.97	2	0.06	5.5	1.37	20	<1	1
128R-3, 48–50	634.39	Gabbro	0.028	3.00	3.06	469	50	2.57	0.20	0.99	2	0.19	12.9	1.71	558	79	2.43	0.23	0.99	2	0.21	15.4	1.76	30	<1	1.5
130R-1, 44–46	641.04	Oxide gabbro	0.014	3.12	3.15	499	139	0.92	0.24	0.96	3	0.08	6.9	1.45	543	177	0.83	0.25	0.96	3	0.08	7.5	1.47	30	<1	0
132R-3, 106–108	653.72	Gabbro	0.011	3.05	3.07	511	71	0.49	0.07	0.99	2	0.05	5.6	1.38	553	64	0.44	0.05	0.99	1	0.05	6.1	1.40	20	<1	0.5
136R-1, 32–34	669.72	Olivine-rich troctolite	0.012	3.03	3.05	507	89	0.24	0.05	0.99	2	0.02	6.0	1.40	539	81	0.21	0.04	0.99	2	0.02	6.4	1.42	20	10–50	0
137R-2, 126–128	676.86	Oxide gabbro	0.011	3.24	3.26	464	73	16.59	0.79	0.97	3	0.61	5.0	1.36	883	178	17.03	0.75	0.97	2	0.75	9.5	1.50	40	<1	0.5
141R-2, 63–65	695.45	Gabbro	0.016	2.96	3.00	527	59	0.72	0.10	0.99	x1	0.07	8.6	1.52	565	80	0.61	0.11	0.99	x1	0.06	9.2	1.54	30	<1	0.5
145R-3, 38–40	715.67	Olivine gabbro	0.015	2.89	2.92	562	108	0.87	0.15	0.98	2	0.09	8.6	1.51	621	116	0.79	0.13	0.98	2	0.09	9.4	1.54	40	<1	0.5
152R-1, 35–37	746.55	Gabbro (cataclastic)	0.042	2.91	3.00	245	18	5.70	0.29	1.00	2	0.22	10.4	1.74	304	25	5.65	0.29	1.00	1	0.26	12.9	1.81	80	<1	5
153R-2, 88–90	753.38	Gabbro	0.033	2.80	2.86	627	155	0.55	0.14	0.97	2	0.06	20.4	1.88	686	151	0.50	0.11	0.98	2	0.06	22.3	1.91	40	<1	2
154R-1, 30–32	756.10	Gabbro (cataclastic)	0.014	2.88	2.90	677	148	0.46	0.10	0.98	2	0.06	9.7	1.53	738	145	0.41	0.08	0.98	2	0.06	10.6	1.56	50	<1	2
157R-2, 75–77	767.52	Olivine-bearing gabbro	0.010	2.97	2.99	569	98	0.38	0.07	0.99	2	0.04	5.5	1.37	607	90	0.33	0.06	0.99	2	0.04	5.9	1.38	30	<1	0.5
159R-1, 104–106	776.04	Gabbro	0.009	3.00	3.02	444	111	0.64	0.17	0.97	3	0.05	3.8	1.28	483	115	0.58	0.14	0.98	3	0.05	4.1	1.30	30	<1	0
160R-2, 117–119	782.47	Gabbro	0.010	2.98	3.00	641	143	0.41	0.10	0.98	3	0.05	6.7	1.42	690	150	0.37	0.08	0.98	2	0.05	7.2	1.43	40	<1	0
161R-2, 44–46	786.43	Olivine gabbro	0.023	2.89	2.94	422	48	0.96	0.10	0.99	2	0.07	9.6	1.60	461	59	0.87	0.11	0.99	2	0.07	10.5	1.62	40	<1	0.5
164R-3, 110–112	802.29	Gabbro	0.013	3.02	3.05	318	75	0.09	0.04	0.98	2	0.01	4.3	1.34	331	75	0.08	0.03	0.99	2	0.01	4.4	1.35	20	<1	0.5
169R-1, 64–66	823.64	Gabbro	0.008	2.90	2.92	487	57	0.24	0.04	0.99	2	0.02	4.0	1.29	515	42	0.21	0.02	1.00	1	0.02	4.3	1.30	5	<1	0
174R-4, 53–55	851.51	Olivine-bearing gabbro	0.009	2.91	2.93	413	52	0.52	0.07	0.99	2	0.04	3.6	1.27	446	41	0.47	0.05	1.00	1	0.04	3.9	1.28	5	<1	0
178R-3, 8–10	868.87	Gabbro	0.011	2.94	2.97	360	59	0.15	0.04	0.99	2	0.01	4.1	1.31	372	63	0.12	0.03	0.99	2	0.01	4.2	1.32	5	<1	0.5
170R-4, 77–79	874.89	Olivine gabbro	0.010	2.98	3.00	252	81	0.56	0.22	0.96	3	0.03	2.5	1.20	264	83	0.49	0.19	0.97	3	0.03	2.6	1.21	2	<1	0
188R-2, 37–39	915.81	Olivine-bearing gabbro	0.009	3.04	3.05	327	53	0.28	0.06	0.99	2	0.02	2.8	1.21	347	52	0.25	0.05	0.99	2	0.02	3.0	1.23	1	<1	0
189R-3, 40–42	922.09	Troctolitic gabbro	0.011	3.00	3.02	206	52	1.53	0.40	0.97	3	0.06	2.3	1.19	224	53	1.43	0.34	0.98	3	0.06	2.5	1.20	5	10–50	0
190R-1, 31–33	924.11	Gabbro	0.005	2.98	2.99	419	117	0.26	0.09	0.97	3	0.02	2.1	1.14	443	121	0.23	0.08	0.98	3	0.02	2.2	1.15	5	<1	0.5
194R-2, 27–29	939.15	Gabbro	0.012	2.98	3.01	232	31	0.50	0.09	0.99	2	0.02	2.9	1.24	243	31	0.45	0.07	0.99	2	0.02	3.0	1.25	1	<1	0
200R-2, 31–33	966.67	Gabbro	0.008	3.01	3.03	431	95	0.28	0.08	0.98	3	0.02	3.3	1.25	459	89	0.25	0.06	0.99	2	0.02	3.5	1.26	1	<1	0
202R-1, 40–42	972.40	Gabbro	0.011	3.03	3.05	595	89	0.35	0.06	0.99	2	0.04	6.5	1.42	635	84	0.31	0.05	0.99	1	0.04	7.0	1.43	5	<1	0.5
203R-1, 99–101	977.79	Gabbro	0.011	3.00	3.02	333	92	0.28	0.10	0.97	3	0.02	3.8	1.30	352	91	0.25	0.09	0.98	3	0.02	4.0	1.31	1	<1	0
204R-2, 97–99	983.75	Olivine-bearing gabbro	0.008	3.02	3.04	551	103	1.30	0.25	0.98	x2	0.12	4.7	1.32	615	152	1.14	0.28	0.97	x2	0.12	5.2	1.34	1	<1	0
205R-2, 83–85	988.55	Olivine gabbro	0.011	2.98	3.00	573	118	0.52	0.14	0.98	x1	0.06	6.4	1.41	618	113	0.44	0.11	0.99	x1	0.05	6.9	1.43	10	<1	0
208R-2, 74–76	1002.84	Olivine-bearing gabbro	0.009	3.05	3.07	482	78	0.29	0.06	0.99	3	0.03	4.3	1.31	510	66	0.26	0.04	0.99	2	0.03	4.5	1.32	5	<1	0.5
211R-1, 64–66	1015.84	Olivine-bearing gabbro	0.011	2.98	3.00	377	91	0.30	0.09	0.98	3	0.02	4.3	1.32	403	87	0.27	0.07	0.98	3	0.02	4.6	1.34	1	<1	0
212R-4, 65–67	1024.19	Olivine gabbro	0.011	2.96	2.98	356	78	0.37	0.10	0.99	x1	0.03	3.8	1.29	372	75	0.34	0.09	0.99	x1	0.02	4.0	1.30	1	<1	0
216R-1, 17–19	1039.37	Olivine gabbro	0.009	2.98	3.00	409	80	0.47	0.10	0.98	3	0.04	3.9	1.29	438	71	0.42	0.08	0.99	2	0.04	4.2	1.31	20	<1	0
217R-2, 23–25	1045.64	Olivine gabbro	0.008	3.05	3.06	460	68	0.32	0.06	0.99	2	0.03	3.8	1.28	487	62	0.28	0.04	0.99	1	0.03	4.1	1.29	2	<1	0
221R-3, 64–66	1066.42	Troctolitic gabbro	0.011	2.87	2.89	287	52	0.63	0.13	0.99	3	0.03	3.1	1.25	308	45	0.57	0.10	0.99	2	0.03	3.4	1.27	0.5	<10	0
225R-1, 72–74	1083.12	Olivine gabbro	0.010	2.97	2.98	396	38	0.44	0.07	1.00	x1	0.03	3.8	1.29	416	34	0.36	0.05	1.00	x1	0.03	4.0	1.30	1	<1	0
226R-3, 40–42	1090.50	Gabbro	0.009	2.98	3.00	440	113	0.36	0.11	0.97	3	0.03	4.1	1.30	469	119	0.32	0.10	0.98	3	0.03	4.3	1.31	5	<1	0
227R-2, 82–84	1094.25	Olivine-rich troctolite	0.009	3.02	3.04	39	19	73.37	18.89	0.85	3	0.37	0.4	0.78	108	11	129.58	5.78	1.00	1	0.74	1.0	0.99	10	>90	0
227R-3, 124–26	1096.17	Olivine-rich troctolite	0.014	3.15	3.18	476	101	0.61	0.13	0.98	3	0.05	6.7	1.45	519	93	0.55	0.10	0.99	2	0.05	7.3	1.47	5	>90	0
228R,3, 29–31	1099.80	Olivine-rich troctolite	0.008	2.93	2.95	206	56	11.62	2.07	0.94	x3	0.32	1.7	1.11	282	51	12.03	1.21	0.98	x2	0.40	2.4	1.18	50	>90	0
230R, 2, 125–127	1108.20	Olivine-bearing gabbro	0.018	2.94	2.98	341	66	1.39	0.25	0.98	2	0.09	6.3	1.46	375	79	1.28	0.25	0.98	2	0.09	6.9	1.48	60	<1	2
230R-3, 28–30	1108.66	Gabbro	0.011	2.96	2.99	415	52	0.69	0.09	0.99	1	0.05	4.6	1.34	446	71	0.62	0.10	0.99	2	0.05	5.0	1.36	30	<1	0.5
232R-1, 15–17	1115.25	Troctolitic gabbro	0.012	2.98	3.01	55	15	41.06	6.39	0.93	3	0.31	0.7	0.91	110	21	56.78	4.81	0.98	2	0.56	1.4	1.07	10	10–50	0
233R-1, 141–143	1121.31	Troctolitic gabbro	0.011	2.89	2.91	130	78	37.11	7.54	0.78	x3	0.49	1.5	1.09	211	63	43.69	3.89	0.96	x3	0.65	2.4	1.20	30	10–50	0
234R-1, 27–29	1124.97	Olivine-rich troctolite	0.007	3.13	3.15	436	79	2.83	0.36	0.98	x2	0.20	3.1	1.23	504	67	2.74	0.24	0.99	x2	0.22	3.6	1.26	10	50–90	0
235R-2, 91–93	1131.67	Olivine-rich troctolite	0.010	3.01	3.03	91	35	27.53	5.75	0.87	3	0.33	0.9	0.98	138	30	33.27	3.39	0.97	2	0.48	1.4	1.07	20	>90	0
236R-2, 125–127	1136.90	Olivine-rich troctolite	0.009	3.15	3.16	744	189	0.30	0.08	0.97	3	0.04	6.5	1.40	787	197	0.26	0.07	0.98	3	0.04	6.9	1.41	5	>90	0
240R-2, 72–74	1155.46	Olivine-rich troctolite	0.010	2.94	2.96	321	57	6.75	0.72	0.98	x3	0.30	3.2	1.25	407	46	6.85	0.40	0.99	x2	0.36	4.0	1.30	20	>90	0
241R-2, 89–91	1160.66	Olivine-rich troctolite	0.008	3.08	3.09	366	55	0.75	0.16	0.99	x1	0.05	3.1	1.24	390	70	0.64	0.16	0.99	x1	0.05	3.3	1.25	10	>90	0
244R-1, 34–36	1173.04	Gabbro	0.012	2.98	3.00	394	52	0.42	0.06	0.99	2	0.03	4.6	1.34	418	46	0.37	0.05	1.00	1	0.03	4.9	1.36	5	<1	0.5
247R-3, 16–18	1190.05	Olivine-rich troctolite	0.010	3.32	3.34	578	217	0.18	0.09	0.95	3	0.02	5.6	1.37	613	217	0.16	0.07	0.96	3	0.02	6.0	1.39	5	>90	0
248R-2, 22–24	1193.36	Olivine-rich troctolite	0.008	3.35	3.37	568	188	0.29	0.11	0.95	3	0.03	4.5	1.31	606	185	0.26	0.09	0.96	3	0.03	4.8	1.32	2	>90	0
248R-3, 36–38	1194.85	Olivine-rich troctolite	0.008	3.24	3.26	1118	608	0.15	0.10	0.88	3	0.03	8.5	1.44	1194	664	0.13	0.09	0.89	3	0.03	9.0	1.45	10	>90	0.5
251R-1, 87–89	1207.17	Troctolitic gabbro	0.011	3.14	3.16	333	77	1.11	0.26	0.97	3	0.07	3.6	1.28	365	69	1.03	0.19	0.98	3	0.07	3.9	1.30	5	10–50	0
255R-1, 53–55	1226.03	Olivine gabbro	0.010	3.02	3.04	194	38	0.57	0.14	0.99	2	0.02	1.9	1.14	205	36	0.52	0.12	0.99	2	0.02	2.1	1.16	20	<1	0.5
256R-2, 83–85	1232.27	Olivine-rich troctolite	0.008	3.17	3.19	34	14	64.94	15.74	0.89	x3	0.30	0.3	0.72	88	19	120.92	13.01	0.98	x2	0.68	0.7	0.92	10	>90	0
262R-3, 112–114	1263.07	Gabbro	0.010	3.02	3.04	414	76	0.31	0.07	0.99	2	0.02	4.0	1.30	435	90	0.27	0.07	0.99	2	0.02	4.2	1.31	3	<1	0
264R-1, 81–83	1269.51	Oxide gabbro	0.012	3.29	3.32	149	27	22.03	2.30	0.97	x2	0.40	1.7	1.12	207	20	21.93	1.00	0.99	x1	0.48	2.4	1.20	20	<1	0.5
268R-2, 83–85	1290.06	Olivine gabbro	0.011	3.10	3.12	154	37	10.45	1.64	0.97	x3	0.24	1.7	1.12	191	26	11.31	0.93	0.99	x2	0.30	2.1	1.17	10	<10	0
271R-3, 59–61	1305.25	Gabbro	0.006	2.99	3.00	291	65	0.34	0.10	0.98	3	0.02	1.6	1.09	304	66	0.30	0.09	0.99	2	0.02	1.7	1.10	5	<1	0
275R-3, 88–90	1322.38	Gabbro	0.010	2.90	2.92	331	51	0.28	0.06	0.99	2	0.02	3.2	1.25	350	44	0.25	0.04	0.99	1	0.02	3.4	1.26	10	<1	0
280R-1, 88–90	1344.32	Olivine-bearing gabbro	0.009	3.03	3.05	297	51	0.21	0.05	0.99	3	0.01	2.8	1.22	309	45	0.18	0.04	0.99	2	0.01	2.9	1.23	3	<1	0
285R-1, 90–92	1368.90	Gabbro	0.011	3.05	3.07	319	39	0.31	0.05	0.99	2	0.02	3.5	1.27	335	32	0.27	0.03	1.00	1	0.02	3.6	1.28	3	<1	0
290R-2, 89–91	1389.23	Olivine-bearing gabbro	0.013	2.99	3.02	319	61	0.79	0.22	0.98	x1	0.05	4.1	1.33	343	65	0.68	0.18	0.99	x1	0.04	4.4	1.34	10	<1	0
291R-3, 39–41	1394.39	Olivine gabbro	0.010	3.02	3.04	291	71	0.34	0.11	0.98	3	0.02	2.9	1.23	308	68	0.30	0.09	0.98	2	0.02	3.0	1.24	10	<1	0

Notes: ϕ = porosity, ρ_b = bulk density, ρ_g = grain density, F = formation factor, C_S = surface electrical conductivity, R = Pearson's linear correlation coefficient. Fit quality: 1 = good, 2 = medium, 3 = poor, x = 1 point removed, xx = 2 points removed (see text and Fig. **F1** for further explanations). β = surface condition fraction, τ = electrical tortuosity, m = cementation index. Cataclastic fabric intensity scale: 0 (undeformed) to 5 (cataclastite), as defined in the "**Methods**" chapter. Core bulk alteration, cataclastic fabric intensity, and degree of serpentinization are those of the intervals from where the measured sample was taken, as estimated onboard from macroscopic observation of hand samples.