Site U1376, Table T12. Magnetic properties and demagnetization results for discrete samples, Hole U1376A.

Core, section, interval (cm)	Depth (mbsf) Top	Depth (mbsf) Bottom	Strat. unit	Lith. unit	ISCI	Lithology	NRM Declination (°)	NRM Inclination (°)	NRM Intensity (A/m)	Magnetic susceptibility (10^{-6} SI)	Qn	Principal component analysis *n*	PCA Type	PCA Declination (°)	PCA Inclination (°)	PCA Intensity (A/m)	PCA MAD (°)	Fit (mT/°C) Low	Fit (mT/°C) High
330-U1376A-																			
1R-3, 85–87*	3.60	3.62	IB	—	NA	Sediment	306.2	69.4	0.26	4,528.4	1.57	*9*	*F*	*268.8*	*35.8*	*3.82*	*1.5*	*6*	*80*
1R-3, 87–89	3.62	3.64	IB	—	NA	Sediment	287.9	84.1	0.23	4,622.3	1.34	15	F	329.5	73.6	0.20	2.9	150	600
2R-2, 114–116*	11.92	11.94	IC	—	NA	Sediment	235.0	49.0	0.01	485.4	0.30								
2R-2, 117–119	11.95	11.97	IC	—	NA	Sediment	205.6	72.6	0.00	455.3	0.22	8	F	355.9	82.4	0.00	4.9	100	300
3R-2, 21–23*	20.07	20.09	IC	—	NA	Sediment	237.8	74.3	0.00	363.9	0.22								
3R-3, 49–51*	21.76	21.78	ID	—	NA	Sediment	198.4	86.5	0.15	8,349.5	0.50								
3R-4, 104–106	23.57	23.59	IIA	—	NA	Sediment	228.0	86.0	0.00	–8.7	–1.22	12	F	325.4	80.2	0.00	4.8	150	525
3R-4, 107–109*	23.60	23.62	IIA	—	NA	Sediment	289.7	79.3	0.00	–10.5	–0.83	*5*	*F*	*309.4*	*66.5*	*0.00*	*4.1*	*20*	*50*
4R-1, 22–24	28.82	28.84	IIA	—	NA	Sediment	206.8	28.0	0.00	1.6	15.81								
4R-4, 71–73	33.58	33.60	IIA	—	NA	Sediment	99.5	44.3	0.03	1,003.5	0.69	*7*	F	103.1	61.0	0.02	4.7	5	35
4R-4, 74–76	33.61	33.63	IIA	—	NA	Sediment	219.3	63.4	0.03	1,378.5	0.66	14	F	209.2	82.0	0.03	6.3	125	550
5R-2, 78–80	40.15	40.17	IIB	—	NA	Sediment	202.5	62.7	0.37	18,038.6	0.55	9	F	195.3	71.2	0.31	1.7	2	40
5R-3, 57–59	41.28	41.30	IIB	—	NA	Sediment	331.8	49.0	0.79	15,394.9	1.40	8	F	343.8	37.7	0.61	3.7	15	60
5R-5, 108–110	44.47	44.49	III	1	NA	Hyaloclastite	176.3	50.0	0.01	728.2	0.37	9	F	161.4	66.6	0.01	3.6	5	60
5R-5, 111–113	44.50	44.52	III	1	NA	Hyaloclastite	179.1	66.7	0.29	1,854.5	4.28	14	F	170.0	71.6	0.27	2.1	75	500
5R-6, 77–79	45.65	45.67	III	2	NA	Vesicular basalt	114.8	57.2	0.94	1,101.0	23.39	13	F	113.7	56.5	0.87	1.5	5	140
5R-6, 82–84	45.70	45.72	III	2	NA	Vesicular basalt	71.1	60.0	0.88	1,057.5	22.66	9	F	68.6	53.6	0.60	4.5	350	600
5R-7, 78–80	46.91	46.93	III	4	3	Basalt with thin breccia intervals	202.0	60.9	0.68	1,006.5	18.46	15	F	203.4	55.4	0.48	3.5	0	160
6R-2, 79–81	50.00	50.02	III	4	3	Basalt with thin breccia intervals	241.7	58.9	0.57	979.2	15.78	9	F	241.2	58.9	0.43	2.0	15	120
6R-2, 81–83	50.02	50.04	III	4	3	Basalt with thin breccia intervals	245.7	60.2	1.57	1,260.6	33.97	10	F	247.6	66.1	0.98	2.4	20	300
6R-3, 86–88	51.15	51.17	III	5	3	Basalt	198.0	66.7	1.62	1,387.1	31.96	10	F	193.6	66.5	1.43	2.2	10	120
6R-3, 89–91	51.18	51.20	III	5	3	Basalt	203.0	65.5	1.60	1,353.3	32.38	17	F	211.8	71.5	1.22	3.0	20	550
6R-4, 61–63	52.22	52.24	III	7	NA	Basalt breccia	0.9	62.0	1.28	10,516.5	3.32	6	F	10.7	61.2	0.70	3.3	5	40
6R-6, 90–92	55.27	55.29	III	12	1	Basalt	154.6	75.1	3.16	2,161.5	39.89	10	F	158.4	75.0	2.97	0.9	2	60
7R-1, 66–68	58.06	58.08	III	14	2	Basalt lava with breccia intervals	356.4	80.6	0.29	1,640.5	4.90	13	F	342.8	77.3	0.21	2.7	2	160
7R-1, 69–71	58.09	58.11	III	14	2	Basalt lava with breccia intervals	347.4	68.9	0.22	3,088.5	1.92	9	F	353.8	73.7	0.18	3.0	75	300
7R-2, 58–60	59.44	59.46	III	14	2	Basalt lava with breccia intervals	173.1	70.0	1.95	1,106.9	48.06	14	F	171.7	70.1	1.80	1.3	0	160
7R-2, 60–62	59.46	59.48	III	14	2	Basalt lava with breccia intervals	177.1	69.4	1.11	2,690.5	11.28	18	F	174.1	70.6	1.02	1.7	75	600
7R-6, 117–119	65.47	65.49	III	14	2	Basalt lava with breccia intervals	244.9	76.2	2.97	977.0	82.93	6	F	232.8	73.2	1.83	1.8	50	160
7R-6, 120–122	65.50	65.52	III	14	2	Basalt lava with breccia intervals	242.4	75.6	3.74	1,036.1	98.53	6	F	230.0	71.7	3.07	1.6	125	250
7R-7, 19–21	65.83	65.85	III	14	2	Basalt lava with breccia intervals	13.3	59.2	0.10	1,574.2	1.68	7	F	3.5	49.2	0.04	12.0	10	50
7R-7, 22–24	65.86	65.88	III	14	2	Basalt lava with breccia intervals	342.4	70.6	0.20	1,818.8	2.98	7	F	5.9	74.7	0.14	2.1	100	250
8R-3, 122–124	70.72	70.74	III	14	2	Basalt lava with breccia intervals	168.0	75.0	1.50	971.9	42.20	10	F	164.5	76.1	1.14	2.5	15	160
8R-5, 82–84	73.03	73.05	III	15	3	Massive basalt	212.7	59.5	6.97	4,535.9	41.98	7	F	205.5	59.1	6.20	1.3	2	30
8R-5, 85–87	73.06	73.08	III	15	3	Massive basalt	213.4	56.3	6.31	4,736.1	36.43	11	F	206.1	56.3	5.21	1.3	100	450
8R-8, 112–114	77.37	77.39	III	15	3	Massive basalt	356.4	71.5	1.03	7,530.7	3.75	7	F	27.1	67.7	0.86	1.3	2	30
8R-8, 115–117	77.40	77.42	III	15	3	Massive basalt	344.7	70.6	0.88	7,058.4	3.41	9	F	17.4	68.8	0.39	3.3	125	400
9R-2, 89–91	78.78	78.80	III	15	3	Massive basalt	189.8	62.0	4.35	5,117.8	23.24	6	F	190.1	57.0	2.72	0.5	5	30
0R-2, 92–94	84.71	84.73	III	15	3	Massive basalt	268.2	67.6	2.63	10,179.5	7.05	15	F	273.3	62.5	2.02	1.8	100	525
10R-2, 94–96	84.73	84.75	III	15	3	Massive basalt	270.5	66.7	3.01	11,240.7	7.31	6	F	276.3	61.9	1.81	0.6	5	30
11R-2, 40–42	88.23	88.25	III	15	3	Massive basalt	205.1	49.8	2.12	5,645.6	10.26	7	F	210.2	58.7	1.63	1.5	5	40
11R-5, 75–77	91.80	91.82	III	15	3	Massive basalt	10.2	65.2	2.30	6,226.3	10.10	6	F	24.1	66.6	1.52	1.5	5	30
12R-2, 108–110	98.74	98.76	III	15	3	Massive basalt	181.2	71.2	2.92	6,472.0	12.31	7	F	193.6	68.3	1.94	1.4	2	30
12R-4, 133–135	101.62	101.64	III	15	3	Massive basalt	133.2	67.5	1.83	7,048.6	7.09	6	F	157.1	68.1	0.47	2.1	5	30
13R-1, 67–69	101.87	101.89	III	15	3	Massive basalt	7.5	56.3	1.92	8,974.5	5.86	6	F	354.1	67.3	0.80	1.5	5	30
13R-4, 10–12	104.83	104.85	III	15	3	Massive basalt	170.6	71.0	1.34	3,057.5	12.00	7	F	184.5	66.5	0.79	1.2	2	30
13R-4, 13–15	104.86	104.88	III	15	3	Massive basalt	159.5	67.4	1.02	3,656.0	7.65	15	F	179.8	65.8	0.42	3.2	150	575
14R-1, 103–105	107.03	107.05	III	16	NA	Hyaloclastite breccia	21.6	78.7	0.03	548.5	1.73	10	F	15.2	77.6	0.02	3.2	20	160
14R-1, 105–107	107.05	107.07	III	16	NA	Hyaloclastite breccia	103.2	80.3	0.10	638.7	4.17	12	F	89.2	74.1	0.10	1.6	20	350
14R-2, 60–62	107.83	107.85	III	16	NA	Hyaloclastite breccia	237.2	68.4	0.00	624.4	0.15	11	F	246.1	63.4	0.00	4.1	5	100
14R-3, 2–4	108.46	108.48	III	17	3	Massive basalt	171.8	60.0	11.30	3,319.7	93.10	7	F	174.0	57.2	9.05	1.0	8	50
14R-3, 4–6	108.48	108.50	III	17	3	Massive basalt	174.6	59.1	9.92	3,300.2	82.13	16	F	175.5	57.7	9.46	1.2	100	550
14R-4, 29–31	109.96	109.98	III	17	3	Massive basalt	177.2	63.7	1.83	2,545.5	19.64	7	F	171.6	62.7	1.32	1.3	11	60
15R-2, 18–20	112.18	112.20	IV	20	3	Intrusive sheet	338.1	65.6	2.98	4,076.7	20.01	7	F	339.1	64.3	2.41	2.0	11	60
15R-3, 12–14	113.52	113.54	IV	21	NA	Hyaloclastite breccia	60.5	72.1	0.74	1,758.3	11.48	10	F	83.4	69.1	0.38	2.1	2	60
15R-3, 14–16	113.54	113.56	IV	21	NA	Hyaloclastite breccia	59.6	71.4	0.93	1,522.2	16.65	10	F	32.1	71.7	0.74	1.6	20	275
15R-4, 89–91	115.30	115.32	IV	21	NA	Hyaloclastite breccia	342.2	54.7	0.00	447.6	0.01								
15R-4, 91–93	115.32	115.34	IV	21	NA	Hyaloclastite breccia	250.6	24.2	0.00	451.8	0.01								
16R-1, 48–50	116.08	116.10	IV	21	NA	Hyaloclastite breccia	10.6	26.3	0.00	488.6	0.18	8	F	5.2	28.1	0.00	7.0	20	180
16R-1, 51–53	116.11	116.13	IV	21	NA	Hyaloclastite breccia	292.2	37.0	0.00	464.1	0.08	8	F	308.7	57.8	0.00	5.0	75	250
16R-3, 134–136	119.21	119.23	IV	21	NA	Hyaloclastite breccia	334.1	63.5	4.21	1,808.0	63.65	7	F	335.3	62.5	3.86	1.3	10	80
16R-3, 139–141	119.26	119.28	IV	21	NA	Hyaloclastite breccia	323.3	57.8	2.46	1,720.3	39.03	9	F	330.9	65.5	2.14	1.6	20	250
16R-4, 30–32	119.62	119.64	IV	21	NA	Hyaloclastite breccia	325.9	44.1	0.01	606.6	0.40	9	F	344.5	53.7	0.00	11.0	0	80
16R-4, 33–35	119.65	119.67	IV	21	NA	Hyaloclastite breccia	174.3	64.6	0.00	606.8	0.14	8	F	126.6	57.4	0.00	6.6	350	575
16R-6, 60–62	122.65	122.67	IV	21	NA	Hyaloclastite breccia	287.7	79.1	0.02	596.9	0.79	12	F	295.4	80.8	0.01	4.2	0	180
16R-6, 63–65	122.68	122.70	IV	21	NA	Hyaloclastite breccia	22.8	39.7	0.01	600.0	0.58								
17R-1, 80–82	126.00	126.02	IV	21	NA	Hyaloclastite breccia	138.3	55.2	0.00	449.1	0.15								
17R-1, 83–85	126.03	126.05	IV	21	NA	Hyaloclastite breccia	131.6	75.3	0.00	435.0	0.26	14	F	117.3	74.7	0.00	3.8	150	550
17R-2, 95–97	127.59	127.61	IV	22	1	Lava lobe or fragment	42.3	29.9	2.45	6,441.0	10.39	13	F	42.0	29.1	1.77	1.6	0	180
17R-2, 98-–100	127.62	127.64	IV	22	1	Lava lobe or fragment	43.1	30.0	3.24	9,008.0	9.83	15	F	42.6	30.8	2.94	2.8	225	650
17R-3, 101–103	129.11	129.13	IV	24	2	Lava lobe or fragment	154.4	11.8	4.28	19,535.6	5.99	10	F	152.2	14.4	3.90	0.9	5	140
17R-3, 103–105	129.13	129.15	IV	24	2	Lava lobe or fragment	210.3	–17.6	4.39	20,932.7	5.73	13	F	207.8	–22.0	4.19	2.0	275	650
19R-2, 86–88	146.69	146.71	IV	29	3	Lava lobe or fragment	23.2	78.2	11.20	12,389.7	24.78	6	F	44.0	67.3	4.87	0.8	5	40
19R-2, 89–91	146.72	146.74	IV	29	3	Lava lobe or fragment	37.8	78.2	9.56	13,879.7	18.83	11	F	39.2	67.1	5.27	2.5	125	450
19R-3, 43–45	147.69	147.71	IV	30	NA	Heterolithic basalt breccia	207.0	36.7	0.85	5,581.5	4.15	6	F	211.4	42.4	0.58	4.2	10	60
19R-3, 46–48	147.72	147.74	IV	30	NA	Heterolithic basalt breccia	200.7	46.5	1.13	3,750.5	8.25	12	F	202.2	63.3	0.80	2.1	75	400
20R-2, 58–60	150.17	150.19	IV	30	NA	Heterolithic basalt breccia	22.2	78.8	0.24	1,383.0	4.79	7	F	28.0	78.4	0.21	2.7	5	80
20R-2, 61–63	150.20	150.22	IV	30	NA	Heterolithic basalt breccia	100.9	62.0	0.05	993.2	1.48	13	F	27.8	72.0	0.05	4.4	75	450
20R-4, 91–93	153.14	153.16	IV	30	NA	Heterolithic basalt breccia	74.0	46.7	3.11	13,599.8	6.24	8	F	76.8	40.2	2.16	4.0	10	60
20R-4, 93–95	153.16	153.18	IV	30	NA	Heterolithic basalt breccia	73.7	46.6	3.11	14,426.0	5.89	13	F	54.1	59.5	1.78	4.3	20	400
21R-1, 21–23	154.21	154.23	IV	30	NA	Heterolithic basalt breccia	29.8	33.5	2.12	8,705.9	6.65	12	F	30.3	33.6	1.83	1.7	0	140
21R-3, 17–19	156.64	156.66	IV	31	1	Vesiculated basalt lava lobe or fragment	151.4	–4.2	3.79	12,500.5	8.29	6	F	151.8	–9.1	3.18	1.3	20	80
21R-3, 19–21	156.66	156.68	IV	31	1	Vesiculated basalt lava lobe or fragment	151.8	–4.8	4.09	12,388.8	9.02	11	F	152.2	–11.1	3.67	1.7	300	625
21R-4, 113–115	158.92	158.94	IV	33	2	Lava lobe or fragment	255.2	5.7	0.85	7,668.3	3.02	6	F	261.8	–36.8	0.30	3.9	20	80
21R-4, 115–117	158.94	158.96	IV	33	2	Lava lobe or fragment	246.2	8.2	0.4	8,137.2	1.45	8	F	249.1	–37.1	0.31	11.7	400	600
21R-5, 71–73	159.95	159.97	IV	33	2	Lava lobe or fragment	209.3	42.8	0.9	5,676.9	4.32	7	F	210.7	45.8	0.74	3.7	5	30
22R-1, 78–80	164.38	164.40	IV	34	NA	Heterolithic basalt breccia with hyaloclastite matrix	306.9	78.3	0.3	1,253.6	6.08	11	F	339.3	73.2	0.32	1.2	75	350
22R-1, 94–96	164.54	164.56	IV	34	NA	Heterolithic basalt breccia with hyaloclastite matrix	28.0	67.7	2.8	9,857.7	7.76	9	F	17.9	66.4	2.26	1.9	5	50
22R-1, 96–98	164.56	164.58	IV	34	NA	Heterolithic basalt breccia with hyaloclastite matrix	22.0	68.5	1.8	6,367.6	7.80								
22R-1, 101–103	164.61	164.63	IV	34	NA	Heterolithic basalt breccia with hyaloclastite matrix	26.7	70.0	0.3	1,379.9	6.15	10	F	24.6	64.5	0.14	4.5	0	60
22R-2, 58–60	165.51	165.53	IV	35	1	Lava lobe or fragment	1.0	48.7	5.2	17,148.8	8.31	10	F	2.9	43.7	4.40	1.6	300	600
22R-3, 59–61	167.00	167.02	IV	37	1	Vesiculated basalt lava lobe or fragment	135.1	65.9	5.9	20,687.8	7.77	12	F	134.2	63.6	5.09	1.2	250	600
22R-3, 61–63	167.02	167.04	IV	37	1	Vesiculated basalt lava lobe or fragment	137.3	63.7	5.1	20,347.8	6.84	11	F	131.9	63.6	3.70	0.8	8	140
22R-5, 62–64	169.86	169.88	IV	40	NA	Volcanic breccia with hyaloclastite matrix	164.6	67.4	0.1	641.5	3.45	9	F	164.0	69.5	0.07	1.8	8	100
23R-1, 38–40	173.58	173.60	IV	41	3	Intrusive sheet	8.4	64.9	2.1	4,762.7	12.16	9	F	8.0	65.7	1.94	1.0	2	40
23R-1, 40–42	173.60	173.62	IV	41	3	Intrusive sheet	11.7	65.0	2.3	5,106.5	12.45	19	F	9.2	63.9	2.18	2.5	75	600
23R-4, 54–56	177.73	177.75	IV	41	3	Intrusive sheet	164.3	64.4	4.4	4,575.9	26.09	10	F	165.4	62.1	3.56	1.4	5	60
23R-4, 56–58	177.75	177.77	IV	41	3	Intrusive sheet	165.8	65.4	4.1	4,644.5	24.33	19	F	166.8	64.4	3.89	2.4	75	600
23R-6, 29–31	179.86	179.88	IV	42	NA	Basalt breccia	69.4	61.7	0.4	1,457.7	7.54								

* = samples affected by DTech malfunction; principal component analysis (PCA) directions from these samples are italicized (see text). ISCI = in situ confidence index (see **"Igneous petrology and volcanology"** in the "Methods" chapter [Expedition 330 Scientists, 2012a]). NRM = natural remanent magnetization. Qn is the Königsberger ratio, calculated for a geomagnetic field intensity of 36.6 A/m. Type is the type of principal component analysis fit: F = free of origin. MAD = maximum angular deviation. Low, high are range of demagnetization treatment levels (if high treatment < 200, units are mT [AF demagnetization], else °C [thermal demagnetization]). — = no lithologic unit. NA = not applicable.