22. PRELIMINARY PALEOMAGNETIC RESULTS,[1] LEG 5

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The accompanying data were obtained with a slow-speed spinner magnetometer employing fluxgate sensors and phase-lock detection. The device used for partially demagnetizing the JOIDES Leg 5 core-hole samples has a four-axis sample tumbler and 60-hertz alternating field which decreases from 150 oe peak value to zero in about 2 minutes. The remanent magnetic measurements were made within a magnetic shield, but the partial demagnetization took place within the earth's field.

[1] Publication authorized by the Director, U.S. Geological Survey.

Inclination is with respect to the present horizontal, + downward, assuming vertical boreholes. Declinations are relative only to a given core barrel, assuming there was no core rotation within the barrel. The first row of data for each sample refers to the natural remanent magnetization, the second row to the remanent magnetization after partial demagnetization at 150 oe peak alternating field. The angular and intensity errors are estimated from redundant measurements; data with angular errors above several degrees are considered unreliable, as are data with intensity errors above a few 10's per cent.

Station	Barrel	Section	Sample position from section top (cm)	Incl. (deg.)	Decl. (deg.)	Intensity (emu/cc)	Angular error (deg.)	Intensity error (per cent)
33	10	5	18-20	58.8	283.1	2.47×10^{-6}	1.4	15
				65.1	243.4	1.40×10^{-6}	1.6	23
33	11	3	60-62	45.0	341.3	4.48×10^{-6}	1.2	7
				19.7	33.4	1.20×10^{-6}	3.5	14
33	15	1	115-117	45.8	333.3	1.07×10^{-6}	2.1	24
				74.7	160.6	5.11×10^{-7}	4.7	75
34	7	6	64-66	-68.7	23.5	5.36×10^{-7}	52.2	39
				77.5	118.6	4.29×10^{-7}	7.3	59
34	8	1	114-116	(too weak to measure)				
34	8	2	12-14	(too weak to measure)				
34	8	4	20-22	27.1	314.5	5.45×10^{-7}	25.6	31
				45.9	256.1	4.28×10^{-7}	23.8	44
34	8	5	26-28	57.1	333.1	5.52×10^{-7}	16.9	30
				23.4	121.9	6.38×10^{-7}	37.4	42
35	6	4	88-90	66.3	81.2	9.23×10^{-5}	7.1	6
				64.4	56.8	4.71×10^{-5}	0.2	3

Station	Barrel	Section	Sample position from section top (cm)	Incl. (deg.)	Decl. (deg.)	Intensity (emu/cc)	Angular error (deg.)	Intensity error (per cent)
35	6	5	18-20	61.4	60.5	9.54×10^{-5}	0.2	3
				62.0	51.5	5.70×10^{-5}	0.1	4
35	6	6	7-9	56.9	258.0	1.07×10^{-4}	0.1	2
				59.5	257.0	6.11×10^{-5}	0.3	4
35	7	3	89-91	88.1	235.2	8.95×10^{-5}	0.1	1
				84.7	88.6	2.85×10^{-5}	0.1	3
35	7	4	12-14	79.2	304.2	1.29×10^{-4}	0.4	2
				80.5	314.5	6.57×10^{-5}	0.1	2
35	8	1	137-139	70.9	147.2	7.45×10^{-5}	0.7	2
				60.4	159.3	3.85×10^{-5}	0.3	1
35	9	2	119-121	70.8	203.2	8.97×10^{-5}	0.5	2
				55.8	173.9	3.96×10^{-5}	0.4	1
35	9	3	18-20	71.9	95.1	1.20×10^{-4}	0.2	4
				70.4	107.4	5.56×10^{-5}	0.0	3
36‡	1	1	31-33	4.5	205.4	9.07×10^{-6}	0.6	9
				11.7	212.1	6.97×10^{-6}	3.7	9

‡This sample was undersize and may have rotated in its holder.