28. PRELIMINARY PALEOMAGNETIC RESULTS, LEG 6

Richard R. Doell[1]

U. S. Geological Survey, Menlo Park, California

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

Inclination is with respect to the present horizontal (positive downward, boreholes assumed vertical). Declinations are relative only to a given core barrel, assuming 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-oersted peak alternating field. The angular and intensity errors are estimated probable errors determined from redundant measurements.

Paleomagnetic Data, Leg 6

Hole	Core	Section	Interval (cm)	Incl. (degree)	Decl. (degree)	Intensity ($\times 10^5$ emu/cc)	Angular Error (degree)	Intensity Error (per cent)
50.1	1	1	55 - 57	30.7	37.4	2.22	0.8	6
				30.9	37.9	1.49	0.4	3
		2	1 - 3	72.2	297.6	1.52	0.6	2
				74.6	215.6	0.94	0.7	3
	2	3	12 - 14	12.5	22.4	0.77	0.9	7
				13.3	320.2	0.15	2.0	38
		4	5 - 7	7.4	196.4	0.90	5.4	19
				35.9	244.4	0.19	5.0	14
		5	1 - 3	22.4	342.3	0.97	2.2	2
				8.7	193.4	0.23	5.4	20
51.0	1	6	10 - 12	43.6	326.0	3.79	2.2	22
				53.2	170.7	1.33	0.5	3
51.1	2	2	1 - 3	- 12.5	35.5	3.59	3.3	7
				- 34.9	154.7	2.35	4.8	4

Hole	Core	Section	Interval (cm)	Incl. (degree)	Decl. (degree)	Intensity (× 10^5 emu/cc)	Angular Error (degree)	Intensity Error (per cent)
55.0	10	5	10 - 12	- 32.5	248.5	0.22	1.4	10
				- 19.4	228.4	0.22	3.0	16
	12	3	40 - 42	- 18.1	251.7	0.30	0.9	23
				- 12.3	253.0	0.28	1.6	13
56.2	1	2	8 - 10	- 19.7	232.8	0.98	0.2	4
				- 14.9	222.4	0.71	1.7	4
	10	4	14 - 16	- 10.4	354.7	1.46	0.3	4
				10.8	347.4	0.18	1.0	18
			120 - 122	16.1	186.3	3.58	0.2	5
				54.0	134.5	0.38	1.9	9
		6	7 - 9	- 2.2	204.6	0.38	3.6	13
				14.7	167.9	1.86	0.5	2
		6	131 - 133	- 61.4	205.5	0.21	3.9	22
				- 49.7	168.6	0.13	10.1	22
			134 - 136			(broken sample)		
58.2	1	2	10 - 12	- 1.8	316.8	1.37	7.7	5
				- 5.7	319.2	1.05	1.1	2
			137 - 139	21.1	16.8	0.91	1.9	4
				21.5	16.4	0.50	0.3	7
		5	52 - 54	- 5.1	5.2	4.26	0.7	2
				- 21.4	0.4	0.41	4.2	12
		6	102 - 104			(broken sample)		
59.1	3	1	128 - 130	5.1	191.9	2.25	0.1	4
				22.7	201.8	0.88	2.2	5
		2	5 - 7	67.9	321.2	2.39	1.6	4
				72.3	318.6	1.17	1.2	6
		3	4 - 6	82.8	196.2	3.60	0.1	5
				76.3	321.8	2.28	0.5	3
59.2	1	1	110 - 112			(no data)		
				- 26.7	227.3	1.89	2.2	2
		2	7 - 9			(no data)		
				9.5	98.3	2.52	0.4	6
	2	5	29 - 31	- 30.0	271.0	13.90	1.1	3
				- 27.9	11.4	10.60	3.0	2
		6	10 - 12	- 74.4	216.3	9.58	10.9	12
				- 77.3	171.2	7.15	5.4	19
60.0	1	1	1 - 3	31.1	2.1	5.51	1.9	5
				76.7	234.6	1.59	0.0	4
		2	2 - 4	3.2	260.4	8.25	0.5	2
				- 0.5	248.4	5.27	0.3	2

Hole	Core	Section	Interval (cm)	Inc. (degree)	Decl. (degree)	Intensity (× 10^5 emu/cc)	Angular Error (degree)	Intensity Error (per cent)
		3	5 - 7	42.3	0.5	4.86	16.6	13
				37.3	46.5	1.53	24.5	23
60	2	1	81 - 83	48.7	211.1	4.83	2.7	6
				40.7	229.8	1.01	4.5	7
		2	- - -	(no data)				
				48.2	15.2	5.29	1.0	6
	5	3	29 - 31	(broken sample)				
	6	5	30 - 32	61.3	295.8	5.94	22.1	10
				49.6	1.4	4.24	1.0	7
		6	20 - 22	39.5	343.0	15.8	13.6	10
		6	20 - 22	37.1	305.9	6.49	0.2	4