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TABLE DR1. SITE, COORDINATES, DISTANCE FROM THE TOBA CALDERA, AND IDENTIFIED STRATIGRAPHIC HORIZONS WITHIN FOUR SELECTED DEEP-SEA CORES

Core or site	Latitude	Longitude	Distance to caldera (km)	MIS 19.3 (m)	B-M (m)	OTT (m)	Microtektite (m)	MIS 20.2 (m)
ODP Site 758	5.38°N	90.36°E	995	12.13 (A)	12.17 (A)	12.22– 12.35 (B)	12.43 (C)	12.43 (A)
ODP Site 1143	9.36°N	113.29°E	1730	42.44 (D)	42.5– 43.8 (E)	42.65– 42.67 (E)	not study	43.14 (D)
17957	10.90°N	115.31°E	2002	7.85 (F, G)	7.95 (G)	8.00 (H)	8.05 (F, G)	8.05 (F, G)
MD972142	12.69°N	119.56°E	2508	33.85 (I)	33.70 (J)	34.09	34.25 (K)	34.25 (I)

Note: MIS—marine isotope stage; B-M—Brunhes-Matuyama boundary; OTT—oldest Toba tuff; ODP—Ocean Drilling Program. References: A—Chen et al. (1995); B—Dehn et al. (1991); C—Smit et al. (1991); D—Tian et al. (2002); E—Wang et al. (2000); F—Shyu et al. (2001); G—Jian et al. (2000); H—Wang (2000); I—Wei et al. (2003); J—Lee (2000); K—Lee and Wei (2000).

References:

Chen, J., Farrell, J.W., Murray, D.W., and Prell, W.L., 1995, Timescale and paleoceanographic implications of a 3.6 m.y. oxygen isotope record from the northeast Indian Ocean (Ocean Drilling Program Site 758): Paleoceanography, v. 10, p. 21– 47.

TABLE DR2. AVERAGE MAJOR ELEMENT COMPOSITION (WT%) OF GLASS SHARDS FROM TOBA TEPHRA LAYERS IN INDIAN OCEAN AND SOUTH CHINA SEA

		ODP Site 758*		ODP Site 1143		17957	MD972142
	Layer A	Layer D	Layer E	Layer 1	Layer 2		
n	29	13	11	10	10	26	14
SiO_2	77.51	77.75	76.19	77.93 (0.65)	77.74 (0.27)	77.87 (0.36)	77.80 (0.41)
TiO_2	0.08	0.07	0.14	0.06 (0.04)	0.05 (0.05)	0.04 (0.03)	0.05 (0.01)
Al_2O_3	12.53	12.38	13.21	12.28 (0.22)	12.42 (0.22)	12.69 (0.28)	12.45 (0.23)
FeO	0.83	0.87	1.21	0.83 (0.08)	0.86 (0.11)	0.85 (0.07)	0.87 (0.06)
MnO	-	-	-	0.06 (0.04)	0.08 (0.06)	0.05 (0.03)	0.04 (0.03)
MgO	0.05	0.02	0.12	0.03 (0.02)	0.02 (0.02)	0.01 (0.01)	0.05 (0.02)
CaO	0.80	0.79	0.92	0.72 (0.07)	0.71 (0.06)	0.72 (0.05)	0.69 (0.04)
Na_2O	3.02	2.92	3.96	2.93 (0.21)	3.08 (0.05)	2.86 (0.23)	2.98 (0.16)
K_2O	5.15	5.19	4.22	5.17 (0.20)	5.05 (0.17)	4.95 (0.12)	5.05 (0.18)

Note: All data are recalculated to 100 wt%; values in parentheses represent standard deviation; *n*—number of analyses; ODP—Ocean Drilling Program.

*After Dehn et al. (1991).