

TABLE 1. Summary of the Sea Level Reconstructions Discussed in the Text and Their Stratigraphic Characteristics

Data Type	Reference	Description (Core Name, Location, and Water Depth)	Higher at the Start of MIS 3 Than End?	Fluctuations	Magnitude
Benthic oxygen isotopes (individual)	Shackleton [1987]	V19-30; 3degrees23'S, 83degrees31'W; 3091 m; western equatorial Pacific	yes	4+	20 m
	Labeyrie et al. [1987]	V19-30; 3degrees23'S, 83degrees31'W; 3091 m; western equatorial Pacific	yes	4	20-30 m
	Ninnemann et al. [1999]	TN057-21; 41degrees8'S, 7degrees49'E; 4981 m; Cape Basin (southeast Atlantic)	yes	3+	20-30 m
	Shackleton et al. [2000]	MD95-2042; 37degrees47.99'N, 10degrees9.99'W; 3146 m; Portuguese Margin	yes	4	20-40 m
	Pahnke et al. [2003]	MD97-2120; 45.53degreesS, 174.93degreesW; 1210 m; Chatham Rise (southwest Pacific)	yes	4	20-40 m
Benthic oxygen isotopes (stacks)	Lisiecki and Raymo [2005]	stack of 57 globally distributed records, synchronized using graphical correlation	yes	4	20 m
	Martinson et al. [1987]	Mapping Spectral Variability in Global Climate Project benthic isotope stack of records from around the globe, synchronized using insolation record	yes	3+	20 m
	Huybers and Wunsch [2004]	benthic stack based on the leading empirical orthogonal function of five benthic records, age model assumes constant sedimentation for last 17 glacial cycles	yes	4	20-30 m
Planktic oxygen isotopes	Linsley [1996]	ODP769; 8.78degreesN, 121.29degreesE; Sulu Sea, eastern equatorial Pacific	yes	3+	20-30 m
	Dannenmann et al. [2003]	IMAGES97-2141; 8.8degreesN, 121.3degreesE; Sulu Sea, eastern equatorial Pacific	yes	4+	20-30 m
	Lea et al. [2002]	TR163-19; 2.15degreesN, 90.57degreesW; western equatorial Pacific	no	4	20-40 m
	Siddall et al. [2003]	GeoTueKL11; 18degrees44.5'N, 39degrees20.6'E; central Red Sea planktic isotopes	yes	4	30-40 m
	Arz et al. [2007]	GeoB 5844-2; 27degrees42.81'N, 34degrees40.9'E; 963 m; northern Red Sea benthic isotopes	yes	4	20-30 m
Combined methods	Cutler et al. [2003]	V19-30; 3degrees23'S, 83degrees31'W; 3091 m; western equatorial Pacific, benthic isotope record scaled to coral indicators of sea level	yes	3+	30-40 m
	Waelbroeck et al. [2002]	benthic isotope records scaled to coral indicators of sea level	yes	4	20 m
	Shackleton [2000]	assumptions about the Dole effect and deep water temperatures used to generate a record of global ice volume/sea level variations from the V19-30 benthic isotope record and the Vostok Deuterium record [Petit et al., 1999]	yes	4	20-40 m
Fossil coral reefs	Chappell [2002]	Huon Peninsula; 6.42degreesS, 147.5degreesE; raised fossil reef terrace, U/Th ages and reef growth model with stratigraphy	yes	4	10-20 m
	Thompson and Goldstein [2005, 2006]	Huon Peninsula; 6.42degreesS, 147.5degreesE; U/Th ages on corals corrected for open system effects	yes	4+	20-30 m