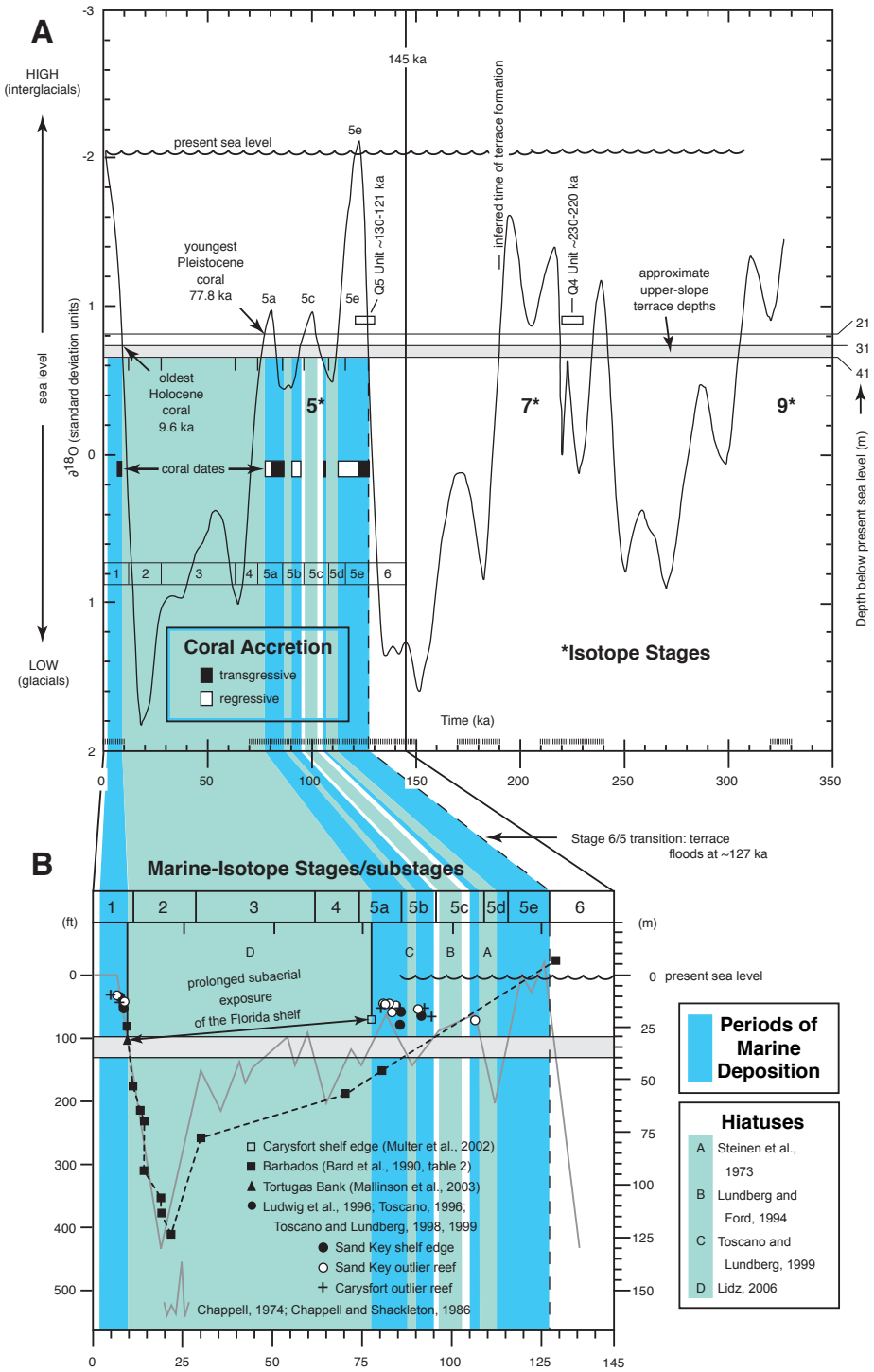
A
HIGH
(interglacials)
LOW
(glacials)
sea level
$\partial^{18}O$ (standard deviation units)
145 ka
present sea level
5e
Q5 Unit ~130-121 ka
inferred time of terrace formation
Q4 Unit ~230-220 ka
youngest
Pleistocene
coral
77.8 ka
5a
5c
approximate
upper-slope
terrace depths
oldest
Holocene
coral
9.6 ka
coral dates
5*
7*
9*
1
2
3
4
5a
5b
5c
5d
5e
6
Coral Accretion
transgressive
regressive
*Isotope Stages
Time (ka)
Depth below present sea level (m)
21
31
41
B
Marine-Isotope Stages/substages
Stage 6/5 transition: terrace
floods at ~127 ka
(ft)
(m)
D
C
B
A
prolonged subaerial
exposure
of the Florida shelf
present sea level
Carysfort shelf edge (Multer et al., 2002)
Barbados (Bard et al., 1990, table 2)
Tortugas Bank (Mallinson et al., 2003)
Ludwig et al., 1996; Toscano, 1996;
Toscano and Lundberg, 1998, 1999
Sand Key shelf edge
Sand Key outlier reef
Carysfort outlier reef
Chappell, 1974; Chappell and Shackleton, 1986
Periods of
Marine
Deposition
Hiatuses
A Steinen et al., 1973
B Lundberg and Ford, 1994
C Toscano and Lundberg, 1999
D Lidz, 2006

Figure 37.