AMIRA WELL

Chronost.	Lithostrat.	Forams and Nannos bioevents	Foraminifer Biozones	Nannofossil Biozones	Remarks
PLEISTOCENE	Asti group	Top well; out of scale; 600m; 700m; 800m; 863m	? ?		Not sampled
PLEISTOCENE	Asti group	863m–900m	QPD 1		Pleistocene benthic species such as: *Brizalina catanensis, Bulimina marginata*, *Cassidulina neocarinata*, *Uvigerina peregrina, U. pygmeae* and *Hyalinea baltica* characterise this interval. The LO of *H. baltica* (930) marks the lower boundary of the QPD1 Zone in the Agip Benthic scheme.
PLIOCENE, Late	Santerno group	900m; ***H. baltica*** (930); ***N. pachyderma*** (950); ***G. inflata*** (970); ***A. helicinus*** (990); 1000m	MPL 6		The upper boundary of the planktonic foraminifer MPL6 Zone is not recorded because *Neogloboquadrina pachyderma* sx is always rare preventing to define its lowest common occurrence.
PLIOCENE, Late	Santerno group	1000m–1100m	MPL 4b-MPL 5		Other bioevent: HO of *Globorotalia crassaformis* (990). Agip benthic biozonation is recorded: NPD1 Zone (sample 1430 to 1190, HO of *U.rutila*); NPD2 Zone (1190 to 990, HO of *A. helicinus*) and NPD3 Zone (990 to 930, LO of *H. baltica*).
PLIOCENE, Late	Santerno group	1100m; ***U. rutila*** (1190); ***G. puncticulata*** (1190); 1200m			
PLIOCENE, Late	Santerno group	1200m–1400m	MPL 4a		
PLIOCENE, Late / EOCENE, Late	Santerno group / Gallare group	1400m; ← ***G. puncticulata*** (1420); 1431m			
EOCENE, Late	Gallare group	1431m–1500m	? ?	NOT CONSIDERED	In the upper part of this interval (1470-1431) samples are barren preventing the biostratigraphic subdivision.
EOCENE, Late	Gallare group	1500m; ← ***G. semiinvoluta***, ***T. cerroazulensis*** lineage (1530); 1600m	IFP 17		
EOCENE, Late	Gallare group	1700m; 1800m; **Muricate taxa** (1790)		? ?	
EOCENE, Middle	Gallare group	1800m–1900m; FCO *C. reticulatum* (1890)	IFP 16 (=E13)	NP 18	
EOCENE, Middle	Gallare group	1900m–2000m; *D. bisectus* (1990); ***T. cerroazul. frontosa*** (1990)		NP 17	From sample 2050 to 1990 the succession is strongly condensed and the only nannofossil biostratigraphic event detected is the LO of *Dyctiococcites bisectus* (1990). Below this biohorizon the nannofossil assemblages are extremely poorly diversified and of scarce stratigraphic meaning.
EOCENE, Middle / E	Gallare group	2000m–2052m; ***A. soldadoensis*** (2050) ← *D. barbadiensis* (2050)	E8-E12; E7	NP 14-NP 16; NP 13 ?	
CRETACEOUS, Late	Scaglia Rossa	2052m–2100m; *U. trifidus* (2132); *A. cymbiformis* (2138) ← *M. praemurus* (2138)	? Not considered	CC 22; CC 21	Cretaceous nannofossil assemblages are poorly diversified and preserved. The lowermost two samples yield few long-ranging species. From sample 2183 the occurrence of *Aspidolithus parcus parcus* is observed. The HO of *Martasterites furcatus* and the LOs of both *Ceratholitoides aculeus* and *Quadrum gothicum* are not recorded preventing further subdivision of the CC 18-CC 21 interval.
CRETACEOUS, Late	Scaglia Rossa	2100m–2200m bottom depth; ← *A. parcus parcus* (2183)		CC18-CC20	