

**Table 1.** Locations, Data Types, and Sources for the Carbonate Time Series

Carbonate Method	Location	ODP Site	Latitude - Longitude	Water Depth	Age Model	Data Source
SCAT reflectance	Feni Drift	980-981	55°28.700'N 14°40.592'W	2171 m	frequency mapping to site 926	this paper
SCAT reflectance	Rockall Bank	982	57°30.760'N 15°51.251'W	1134 m	biostratigraphy and magnetostratigraphy	this paper; <i>Leg 162 shipboard Parry [1996b]</i>
Coulometry	Rockall Bank	982	57°30.760'N 15°51.251'W	1134 m	n/a	<i>Venz et al. [1999]</i>
SCAT reflectance	Gardar Drift	983	60°24.210'N 23°38.440'W	1983 m	biostratigraphy and magnetostratigraphy	this paper; <i>Leg 162 shipboard Parry [1996c]</i>
Coulometry	Gardar Drift	983	60°24.210'N 23°38.440'W	1983 m	n/a	<i>Channell et al., [1997]</i>
SCAT reflectance	Bjorn Drift	984	61°25.519'N 24°04.945'W	1648 m	biostratigraphy and magnetostratigraphy	this paper; <i>Leg 162 shipboard Parry [1996d]</i>
SCAT reflectance	Cearra Rise	926	03°43.141'N 42°54.498'W	3598 m	Orbitally tuned magnetic susceptibility	<i>Harris et al. [1997]; Bickert et al. [1997]; Tiedemann and Franz [1997]</i>

ODP, Ocean Drilling Program; SCAT, split-core analysis track. Average site location and depth are based on values for all holes at each site.

**Table 2.** Statistics for Frequency Mapping the Ceara Rise Age Model Onto Feni Drift Sediments

Shipboard Age Model, Ma	Site 926 Age Model, Ma	Number of Coefficients	Squared Correlation, $r^2$
<i>Site 980</i>			
0.0007-0.9905	0.0000-1.0000	40	0.704
0.9905-1.6627	1.0000-1.6620	40	0.847
<i>Site 981</i>			
1.6612-2.6490	1.6620-2.6260	40	0.604
2.6490-3.7117	2.6260-3.7170	48	0.657
3.7117-4.6615	3.7170-4.6590	40	0.470
<i>Site 981 Mapped to Site 980 Where Reflectance Signals Overlap</i>			
1.4961-1.6612	1.5148-1.6620	16	0.934

**Table 3.** Power Spectral Characteristics of the Feni Drift Proxy Percent Carbonate Record

Nominal Period	0 - 0.95 Ma Spectrum				0.95 - 2.4 Ma Spectrum				2.8 - 4.5 Ma Spectrum			
	Observed Period and Significance Level, kyr (%)	Spectral Density, log units	Red Noise Density, log units	Relative Spectral Density	Observed Period and Significance Level, kyr (%)	Spectral Density, log units	Red Noise Density, log units	Relative Spectral Density	Observed Period and Significance Level, kyr (%)	Spectral Density, log units	Red Noise Density, log units	Relative Spectral Density
<i>Milankovitch Bands</i>												
100 kyr	103.4 (>99%)	9.9 x10 <sup>6</sup>	1.0 x10 <sup>6</sup>	9.9x								
41 kyr	40.8 (>90%)	1.0 x10 <sup>6</sup>	7.0 x10 <sup>5</sup>	1.4x	41.7 (>99%)	3.0 x10 <sup>6</sup>	9.7 x10 <sup>5</sup>	3.1x	41.7 (>99%)	5.5 x10 <sup>5</sup>	2.4 x10 <sup>5</sup>	2.3x
23 kyr	22.5 (>95%)	7.6 x10 <sup>5</sup>	3.8 x10 <sup>5</sup>	2.0x	22.1 (>99%)	1.6 x10 <sup>6</sup>	3.3 x10 <sup>5</sup>	4.8x	21.9 (>99%)	2.6 x10 <sup>5</sup>	9.5 x10 <sup>4</sup>	2.7x
19 kyr					19.1 (>99%)	6.7 x10 <sup>5</sup>	2.5 x10 <sup>5</sup>	2.7x				
<i>Sub-Milankovitch Bands</i>												
16 kyr					16.4 (>99%)	4.3 x10 <sup>5</sup>	1.9 x10 <sup>5</sup>	2.3x				
14 kyr									14.1 (>90%)	7.2 x10 <sup>4</sup>	4.4 x10 <sup>4</sup>	1.6x
13 kyr					13.4 (>99%)	4.6 x10 <sup>5</sup>	1.3 x10 <sup>5</sup>	3.5x	12.4 (>90%)	8.6 x10 <sup>4</sup>	3.5 x10 <sup>4</sup>	2.5x
11 kyr	10.6 (>90%)	1.9 x10 <sup>5</sup>	1.2 x10 <sup>5</sup>	1.6x	11.5 (>95%)	1.9 x10 <sup>5</sup>	9.7 x10 <sup>4</sup>	2.0x	9.0 (>99%)	5.3 x10 <sup>4</sup>	1.9 x10 <sup>4</sup>	2.8x
10 kyr	9.8 (>90%)	1.8 x10 <sup>5</sup>	1.0 x10 <sup>5</sup>	1.8x	10.4 (>95%)	1.6 x10 <sup>5</sup>	8.0 x10 <sup>4</sup>	2.0x	8.2 (>99%)	4.3 x10 <sup>4</sup>	1.6 x10 <sup>4</sup>	2.7x
8 kyr	7.8 (>99)	1.6 x10 <sup>5</sup>	7.0 x10 <sup>4</sup>	2.3x	7.5 (>99%)	1.0 x10 <sup>5</sup>	4.3 x10 <sup>4</sup>	2.3x	6.0 (>99%)	2.2 x10 <sup>4</sup>	9.3 x10 <sup>3</sup>	2.4x
6 kyr					6.1 (>99%)	6.1 x10 <sup>4</sup>	3.0 x10 <sup>4</sup>	2.0x	4.8 (>99%)	1.6 x10 <sup>4</sup>	6.1 x10 <sup>3</sup>	2.6x
5 kyr	5.1 (>99%)	9.5 x10 <sup>4</sup>	3.3 x10 <sup>4</sup>	2.9x	5.2 (>99%)	5.3 x10 <sup>4</sup>	2.2 x10 <sup>4</sup>	2.4x				

No value indicates no significant peak.