

## V. SEDIMENT TRAP SAMPLES

## MANOP SITE C

This project was initiated by Alan Mix working in cooperation with Jack Dymond. It involves measurements of one size fractions and hand-picked foraminifera shells from material caught in sediment traps deployed in the equatorial Pacific Ocean (see Tables 14, 15).

TABLE 14  
MPC-2 SOUTAR  
Location (01°2.4'N, 138°56.4'W) Depth 2695m

OSU #	Coll date From	To	Material analyzed	No. tests analyzed	Weight analyzed (mgm)	Date of AMS analysis	Δ <sup>14</sup> C (‰)
1	12/16/82	02/29/84	<u>P obliq</u>	192	7.6	Feb 86	112 ± 12
2	"	"	<u>N duter</u>	210	8.4	"	90 ± 12
3	"	"	<u>Pteropods</u>	-	9.6	"	70 ± 12
4	"	"	<u>63-150µm</u>	-	>8.6	"	79 ± 12
5	"	"	<u>&lt;63µm</u>	-	>9.6	"	50 ± 11
6	"	"	<u>G sacc w/s</u>	407	11.7	"	131 ± 12
7	"	"	<u>G sacc O/s</u>	572	10.4	"	133 ± 13
8	"	"	<u>G congl</u>	235	11.2	"	110 ± 11
9	"	"	<u>G ruber wh</u>	1490	9.0	"	98 ± 11
14(Rep5)	12/16/82	02/29/84	-	-	53.5	-	-
MPC-2 Lower Trap Location (01°2.4'N, 138°56.4'W) Depth 3495m							
15	12/23/82	04/03/83	<63µ CaCO <sub>3</sub>	-	31.9	-	-
16	04/03/83	07/12/83	"	-	21.2	Mar 87	204 ± 17
17	07/12/83	10/20/83	"	-	50.7	-	-
18	10/20/83	02/29/84	"	-	46.3	-	-
56(Rep16)	-	-	"	-	25.0	-	243 ± 13
MPC-1 Middle Trap Location (01°3.6'N, 138°57.6'W) Depth 4295m							
19	12/18/82	03/29/83	"	-	37.0	-	-
20	03/29/83	07/07/83	"	-	38.5	Mar 87	-142 ± 14
21	07/07/83	10/15/83	"	-	46.0	-	-
22	10/15/83	02/08/84	"	-	34.5	-	-

TABLE 15  
MPC-2 MIDDLE TRAP  
Location (01°2.4'N, 138°56.4'W) Depth 1895m

OSU #	Coil date		Material analyzed	No. tests analyzed	Weight analyzed (mgm)	Date of AMS analysis	$\Delta^{14}\text{C}$ (‰)
	From	To					
10	12/23/82	04/03/83	<63 $\mu$ CaCO <sub>3</sub>	-	33.4	-	-
11	04/03/83	07/12/83	"	-	44.8	Mar 87	119 ± 15
12	07/12/83	10/20/83	"	-	32.4	-	-
13	10/20/83	02/29/83	"	-	52.5	-	-
27	12/23/82	04/03/83	<u>G ruber</u>	1290	7.9	-	-
28	"	"	<u>P obliq</u>	185	6.2	Sept 87	109 ± 12
29	"	"	<u>G sacc</u> w/s	206	7.1	Sept 87	153 ± 12
30	"	"	<u>G sacc</u> 0/s	279	6.0	-	-
31	04/03/83	07/12/83	<u>G ruber</u>	1112	7.6	-	-
32	"	"	<u>P obliq</u>	272	6.3	Sept 87	106 ± 12
33	"	"	<u>G sacc</u> w/s	344	9.6	Sept 87	151 ± 12
34	"	"	<u>G sacc</u> 0/s	309	5.6	-	-
35	"	"	<u>N duter</u>	161	5.4	Sept 87	96 ± 12
36	07/12/83	10/20/83	<u>P obliq</u>	184	5.0	Sept 87	80 ± 12
37	"	"	<u>N duter</u>	171	6.5	Sept 87	102 ± 12
38	10/20/83	02/29/84	<u>P obliq</u>	220	8.2	Sept 87	90 ± 13
(39+40)	"	"	<u>G sacc</u> w/+0/s	326	6.8	Sept 87	93 ± 13
41	"	"	<u>N duter</u>	219	8.5	Sept 87	48 ± 14

MPC-3  
Location (01°3.6'N, 138°56.8'W) Depth 2895m

23	02/25/84	04/01/84	<63 $\mu$ CaCO <sub>3</sub>	-	12.8	-	-
24	04/01/84	07/10/84	"	-	22.4	-	-
25	07/10/84	10/18/84	"	-	47.0	-	-
26	10/18/84	02/22/84	"	-	33.2	-	-
42	04/01/84	07/10/84	<u>G ruber</u>	912	6.6	-	-
43	"	"	<u>P obliq</u>	371	9.7	Sept 87	116 ± 12
44	"	"	<u>G sacc</u>	365	7.2	Sept 87	121 ± 12
45	"	"	<u>N duter</u>	257	8.0	Sept 87	77 ± 12
46	07/10/84	10/18/84	<u>G ruber</u>	=1400	9.1	-	-
47	"	"	<u>P obliq</u>	231	8.3	Sept 87	102 ± 12
48	"	"	<u>G sacc</u> w/s	347	9.6	Sept 87	80 ± 13
49	"	"	<u>G sacc</u> 0/s	511	9.8	-	-
50	"	"	<u>N duter</u>	278	9.4	Sept 87	62 ± 12
51	10/18/84	02/22/85	<u>G ruber</u>	=1300	8.4	-	-
52	"	"	<u>P obliq</u>	285	8.2	Sept 87	70 ± 13
53	"	"	<u>G sacc</u> w/s	237	8.3	Sept 87	118 ± 12
54	"	"	<u>G sacc</u> 0/s	303	6.0	-	-
55	"	"	<u>N duter</u>	264	8.0	Sept 87	78 ± 12

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