

**Table 17.2** Particle flux < 1 mm at station ECC (5°00.60'N/138°49.81'E) 1130 m

Opened	Closed		Total flux mg/m <sup>2</sup> /d	C <sub>org</sub> % mg/m <sup>2</sup> /d	N <sub>tot</sub> % mg/m <sup>2</sup> /d	P <sub>tot</sub> % μg/m <sup>2</sup> /d	Carbonate % mg/m <sup>2</sup> /d	Opal % mg/m <sup>2</sup> /d	Organic % mg/m <sup>2</sup> /d	Lithogenic % mg/m <sup>2</sup> /d							
11/21/88	12/21/88	(N/D)	23.80	9.82	2.34	1.14	0.27	0.09	21	56.2	13.37	16.0	3.81	17.7	4.20	10.1	2.41
12/21/88	01/20/89	(D/J)	15.60	6.51	1.02	0.92	0.14	0.05	7	75.1	11.72	9.1	1.41	11.7	1.83	4.1	0.64
01/20/89	02/19/89	(J/F)	18.61	6.49	1.21	0.85	0.16	0.19	35	76.4	14.22	6.7	1.25	11.7	2.17	5.2	0.97
02/19/89	03/21/89	(F/M)	14.93	8.03	1.20	1.00	0.15	0.08	11	72.4	10.81	6.7	1.00	14.5	2.16	6.4	0.96
03/21/89	04/20/89	(M/A)	11.91	9.87	1.18	1.37	0.16	0.15	18	65.4	7.79	9.6	1.14	17.8	2.12	7.3	0.87
04/20/89	05/20/89	(A/M)	43.25	9.57	4.14	1.19	0.52	0.10	45	52.2	22.58	22.6	9.77	17.2	7.45	8.0	3.45
05/20/89	06/19/89	(M/J)	43.32	11.30	4.90	2.54	1.10			55.6	24.09	11.7	5.05	20.3	8.81	12.4	5.37
06/19/89	07/19/89	(J/J)	37.81	9.54	3.61	1.31	0.50	0.16	62	53.3	20.15	19.4	7.34	17.2	6.49	10.1	3.82
07/19/89	08/18/89	(J/A)	11.43	12.83	1.47	1.76	0.20	0.15	17	54.7	6.25	13.8	1.58	23.1	2.64	8.4	0.96
08/18/89	09/17/89	(A/S)	4.84	12.81	0.62	1.54	0.07	0.14	7	56.1	2.71	13.7	0.66	23.1	1.12	7.1	0.35
09/17/89	10/17/89	(S/O)	3.62	14.39	0.52	1.79	0.06	0.17	6	56.2	2.03	9.3	0.34	25.9	0.94	8.6	0.31
10/17/89	11/16/89	(O/N)	1.48	12.77*	0.19*	1.96	0.03			81.0*	1.20*	7.1	0.10	23.0*	0.34*		
11/16/89	12/16/89	(N/D)	3.91	18.30	0.72	1.99	0.08	0.21	8	49.7	1.94	8.5	0.33	32.9	1.29	8.9	0.35
Average			18.04	9.85	1.78	1.47	0.26	0.13	23	59.2	10.68	14.4	2.60	17.7	3.20	8.7	1.56

\* Note that the organic carbon and calcium carbonate content were determined with a less precise method in cup ECC-T12 due to the small amounts recovered in this cup. In this sample calcium carbonate contents could therefore be overestimated and the organic carbon content underestimated (see text).

**Table 17.3** Particle flux < 1 mm at station ECC (5°00.60'N/138°49.81'E) 3130 m

Opened	Closed		Total flux mg/m <sup>2</sup> /d	C <sub>org</sub> % mg/m <sup>2</sup> /d	N <sub>tot</sub> % mg/m <sup>2</sup> /d	P <sub>tot</sub> % μg/m <sup>2</sup> /d	Carbonate % mg/m <sup>2</sup> /d	Opal % mg/m <sup>2</sup> /d	Organic % mg/m <sup>2</sup> /d	Lithogenic % mg/m <sup>2</sup> /d							
11/21/88	12/21/88	(N/D)	0.91	9.93*	0.09*	1.35	0.01										
12/21/88	01/20/89	(D/J)	2.80	8.58	0.24	1.10	0.03	0.09	2	46.4	1.30	22.3	0.62	15.4	0.43	15.9	0.45
01/20/89	02/19/89	(J/F)	18.67	3.83	0.72	0.59	0.11	0.05	9	73.5	13.72	14.0	2.61	6.9	1.29	5.6	1.05
02/19/89	03/21/89	(F/M)	17.98	8.60	1.55	0.99	0.18	0.09	17	56.4	10.14	17.2	3.10	15.5	2.78	10.9	1.96
03/21/89	04/20/89	(M/A)	15.58	5.76	0.90	0.75	0.12	0.07	11	62.7	9.77	15.7	2.44	10.4	1.62	11.3	1.76
04/20/89	05/20/89	(A/M)	14.58	4.43	0.65	0.57	0.08	0.14	21	71.4	10.41	13.6	1.98	8.0	1.16	7.0	1.02
05/20/89	06/19/89	(M/J)	28.52	5.40	1.54	0.70	0.20	0.10	30	66.8	19.05	19.1	5.46	9.7	2.77	4.4	1.24
06/19/89	07/19/89	(J/J)	15.82	5.21	0.82	0.64	0.10	0.06	9	65.6	10.38	16.1	2.55	9.4	1.48	8.9	1.41
07/19/89	08/18/89	(J/A)	13.35	5.78	0.77	0.82	0.11	0.07	9	60.1	8.02	20.4	2.72	10.4	1.39	9.1	1.21
08/18/89	09/17/89	(A/S)	8.65	7.23	0.62	0.95	0.08	0.10	8	60.0	5.19	20.9	1.81	13.0	1.12	6.1	0.53
09/17/89	10/17/89	(S/O)	6.37	10.48	0.67	1.33	0.08	0.11	7	61.1	3.89	15.5	0.99	18.9	1.20	4.6	0.29
10/17/89	11/16/89	(O/N)	1.34	6.51*	0.09*	0.96	0.01	0.06	1	76.5*	1.03*	13.4	0.18	11.7*	0.16*		
11/16/89	12/16/89	(N/D)	0.83	9.57*	0.08*	1.48	0.01			77.0*	0.64*			17.2*	0.14*		
Average			11.18	6.00	0.67	0.78	0.09	0.09	10	64.7	7.24	17.1	1.91	10.8	1.21	7.4	0.84

\* Note that the organic carbon and calcium carbonate content were determined with a less precise method in cups ECC-B1, ECC-B12 and ECC-B13 due to the small amounts recovered in these cups. In these samples calcium carbonate contents could therefore be overestimated and the organic carbon content underestimated (see text).

**Table 17.4** Particle flux < 1 mm at station NEC (12°01.00'N/134°17.16'E) 1200 m

Opened	Closed		Total flux mg/m <sup>2</sup> /d	C <sub>org</sub> % mg/m <sup>2</sup> /d	N <sub>tot</sub> % mg/m <sup>2</sup> /d	P <sub>tot</sub> % µg/m <sup>2</sup> /d	Carbonate % mg/m <sup>2</sup> /d	Opal % mg/m <sup>2</sup> /d	Organic % mg/m <sup>2</sup> /d	Lithogenic % mg/m <sup>2</sup> /d							
11/21/88	12/21/88 (N/D)		3.76	7.57	0.28	1.05	0.04	0.24	9	69.0	2.59	7.8	0.29	13.6	0.51	9.6	0.36
12/21/88	01/20/89 (D/J)		11.87	7.09	0.84	1.01	0.12	0.08	10	70.0	8.31	10.1	1.20	12.8	1.51	7.1	0.85
01/20/89	02/19/89 (J/F)		8.60	7.09	0.61	0.93	0.08	0.10	9	73.7	6.34	8.8	0.75	12.8	1.10	4.8	0.41
02/19/89	03/21/89 (F/M)		5.84	8.40	0.49	1.02	0.06	0.09	5	67.5	3.95	9.8	0.57	15.1	0.88	7.6	0.45
03/21/89	04/20/89 (M/A)		2.21	8.46	0.19	1.02	0.02	0.07	2	68.0	1.50	9.2	0.20	15.2	0.34	7.6	0.17
04/20/89	05/20/89 (A/M)		4.74														
05/20/89	06/19/89 (M/J)		3.74	10.48	0.39	1.40	0.05	0.07	3	67.4	2.52	9.5	0.36	18.9	0.71	4.2	0.16
06/19/89	07/19/89 (J/J)		4.83	8.11	0.39	1.01	0.05	0.29	14	67.9	3.28	10.3	0.50	14.6	0.70	7.2	0.35
07/19/89	08/18/89 (J/A)		5.37	9.25	0.50	0.96	0.05	0.16	8	69.9	3.75	7.3	0.39	16.7	0.89	6.2	0.33
08/18/89	09/17/89 (A/S)		5.57	7.44	0.41	1.10	0.06	0.07	4	70.3	3.91	8.8	0.49	13.4	0.75	7.6	0.42
09/17/89	10/17/89 (S/O)		1.31	10.22*	0.13*	1.60	0.02	0.15	2	79.8*	1.05*	8.3	0.11	18.4*	0.24*		
10/17/89	11/16/89 (O/N)		0.72	11.46*	0.08*	1.19	0.01			42.3*	0.31*			20.6*	0.15*		
11/16/89	12/16/89 (N/D)		3.20	8.83	0.28	1.12	0.04	0.10	3	66.3	2.12	9.1	0.29	15.9	0.51	8.7	0.28
Average			4.75	8.08	0.38	1.05	0.05	0.12	6	69.5	3.30	9.2	0.43	14.5	0.69	6.4	0.31

\* Note that the organic carbon and calcium carbonate content were determined with a less precise method in cups NEC-T11 and NEC-T12 due to the small amounts recovered in these cups. In these samples calcium carbonate contents could therefore be overestimated and the organic carbon content underestimated (see text).

**Table 17.5** Particle flux < 1 mm at station NEC (12°01.00'N/134°17.16'E) 4300 m

Opened	Closed		Total flux mg/m <sup>2</sup> /d	C <sub>org</sub> % mg/m <sup>2</sup> /d	N <sub>tot</sub> % mg/m <sup>2</sup> /d	P <sub>tot</sub> % μg/m <sup>2</sup> /d	Carbonate % mg/m <sup>2</sup> /d	Opal % mg/m <sup>2</sup> /d	Organic % mg/m <sup>2</sup> /d	Lithogenic % mg/m <sup>2</sup> /d							
11/21/88	12/21/88 (N/D)		6.83	6.82	0.47	0.87	0.06	0.07	5	48.9	3.34	21.1	1.44	12.3	0.84	17.7	1.21
12/21/88	01/20/89 (D/J)		11.63	5.07	0.59	0.63	0.07	0.05	6	56.9	6.62	15.6	1.81	9.1	1.06	18.4	2.14
01/20/89	02/19/89 (J/F)		7.49	5.88	0.44	0.76	0.06	0.07	5	53.0	3.97	17.2	1.29	10.6	0.79	19.2	1.44
02/19/89	03/21/89 (F/M)		8.18	5.67	0.46	0.75	0.06	0.06	5	52.8	4.32	19.0	1.55	10.2	0.83	18.0	1.47
03/21/89	04/20/89 (M/A)		9.48	5.97	0.57	0.77	0.07	0.05	5	48.9	4.64	18.5	1.76	10.7	1.02	21.8	2.07
04/20/89	05/20/89 (A/M)		10.30	5.61	0.58	0.76	0.08	0.05	6	51.3	5.29	17.0	1.75	10.1	1.04	21.6	2.23
05/20/89	06/19/89 (M/J)		8.73	4.77	0.42	0.65	0.06	0.04	4	59.0	5.15	14.9	1.30	8.6	0.75	17.5	1.53
06/19/89	07/19/89 (J/J)		6.77	6.74	0.46	0.80	0.05	0.10	7	47.8	3.23	18.5	1.25	12.1	0.82	21.6	1.46
07/19/89	08/18/89 (J/A)		7.74	5.97	0.46	0.84	0.07	0.06	4	50.6	3.92	19.3	1.49	10.8	0.83	19.4	1.50
08/18/89	09/17/89 (A/S)		7.74	5.97	0.46	0.84	0.07	0.06	4	50.6	3.92	19.3	1.49	10.8	0.83	19.4	1.50
09/17/89	10/17/89 (S/O)		3.36	5.58	0.19	0.66	0.02	0.05	2	56.9	1.91	16.6	0.56	10.0	0.34	16.5	0.55
10/17/89	11/16/89 (O/N)		3.68	6.40	0.24	0.82	0.03	0.10	4	58.4	2.15	16.0	0.59	11.5	0.42	14.1	0.52
11/16/89	12/16/89 (N/D)		5.80	4.97	0.29	0.72	0.04	0.04	2	66.0	3.83	13.0	0.75	8.9	0.52	12.1	0.70
Average			7.52	5.74	0.43	0.75	0.06	0.06	4	53.5	4.02	17.4	1.31	10.3	0.78	18.7	1.41