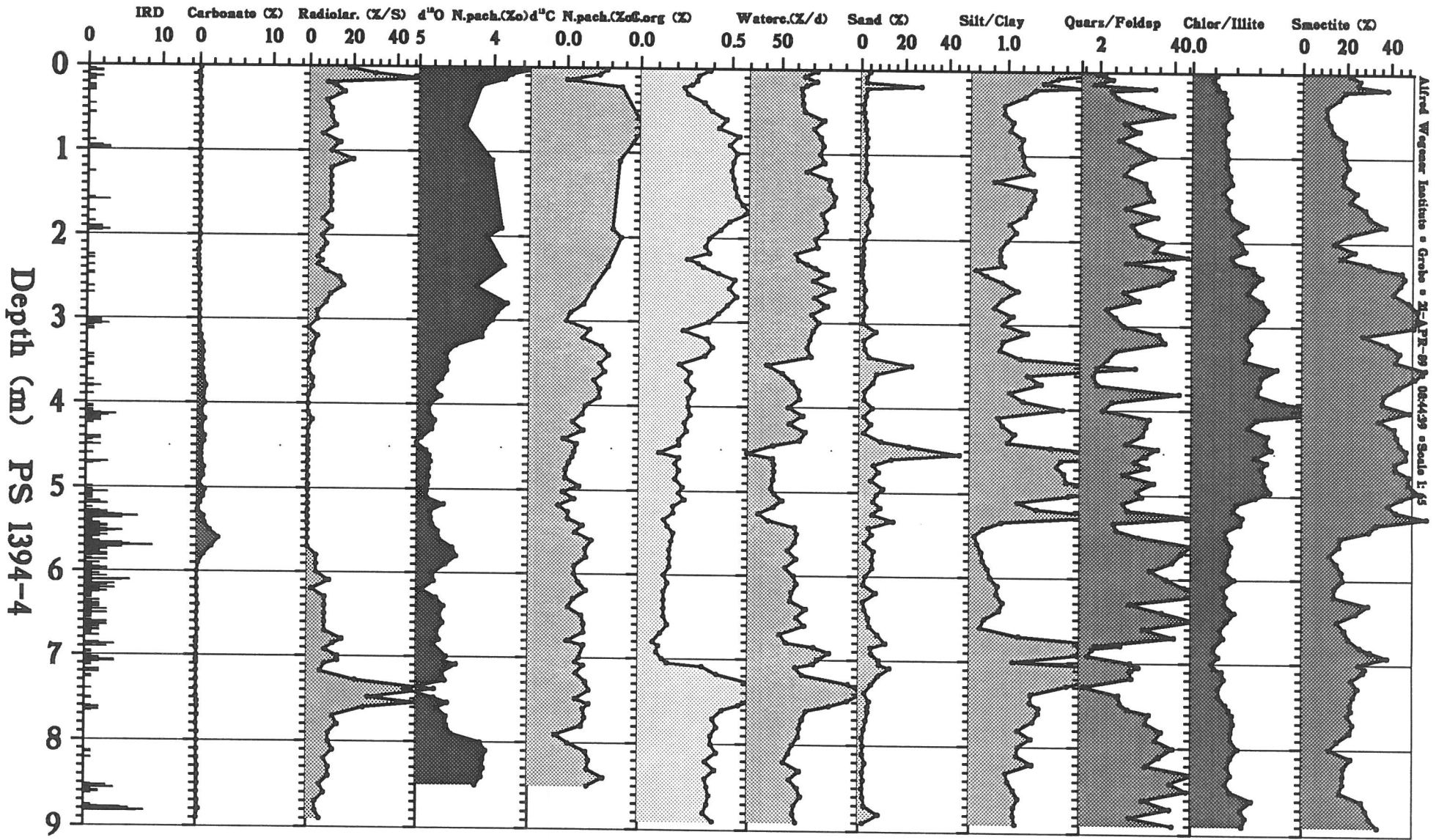
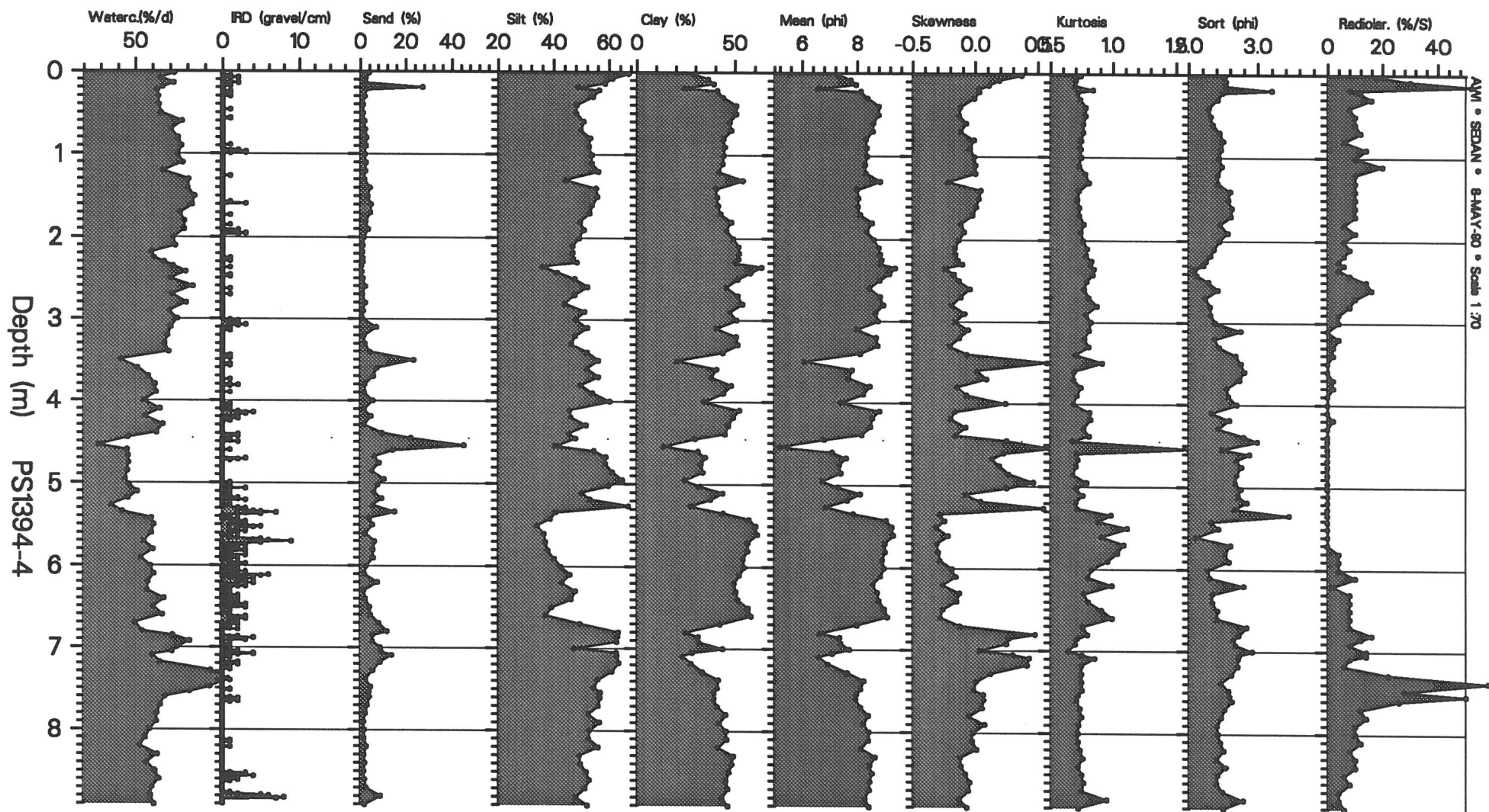


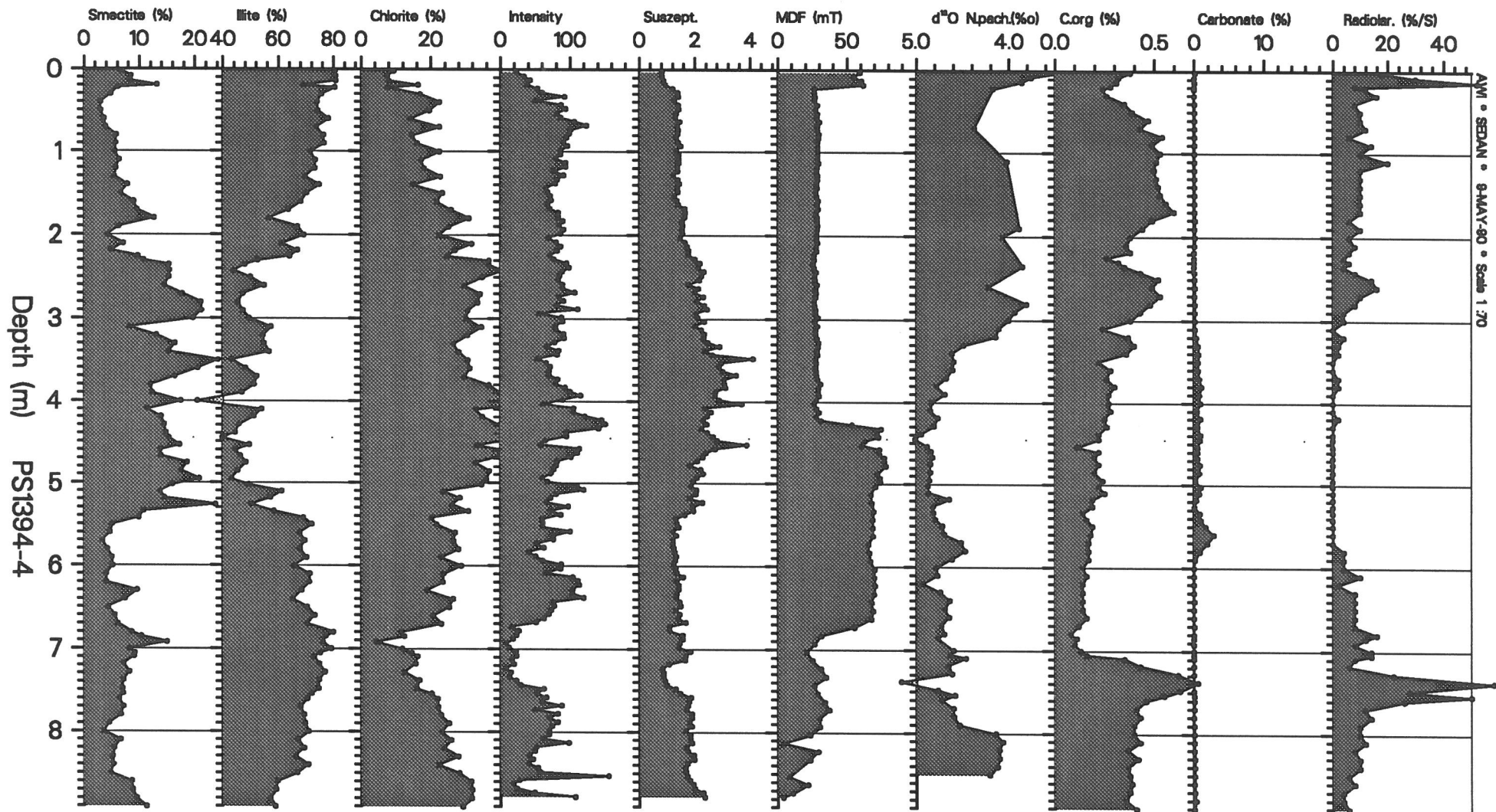
Alfred Wegener Institute * Grobe * 3-JAN-89 * 12,08,00

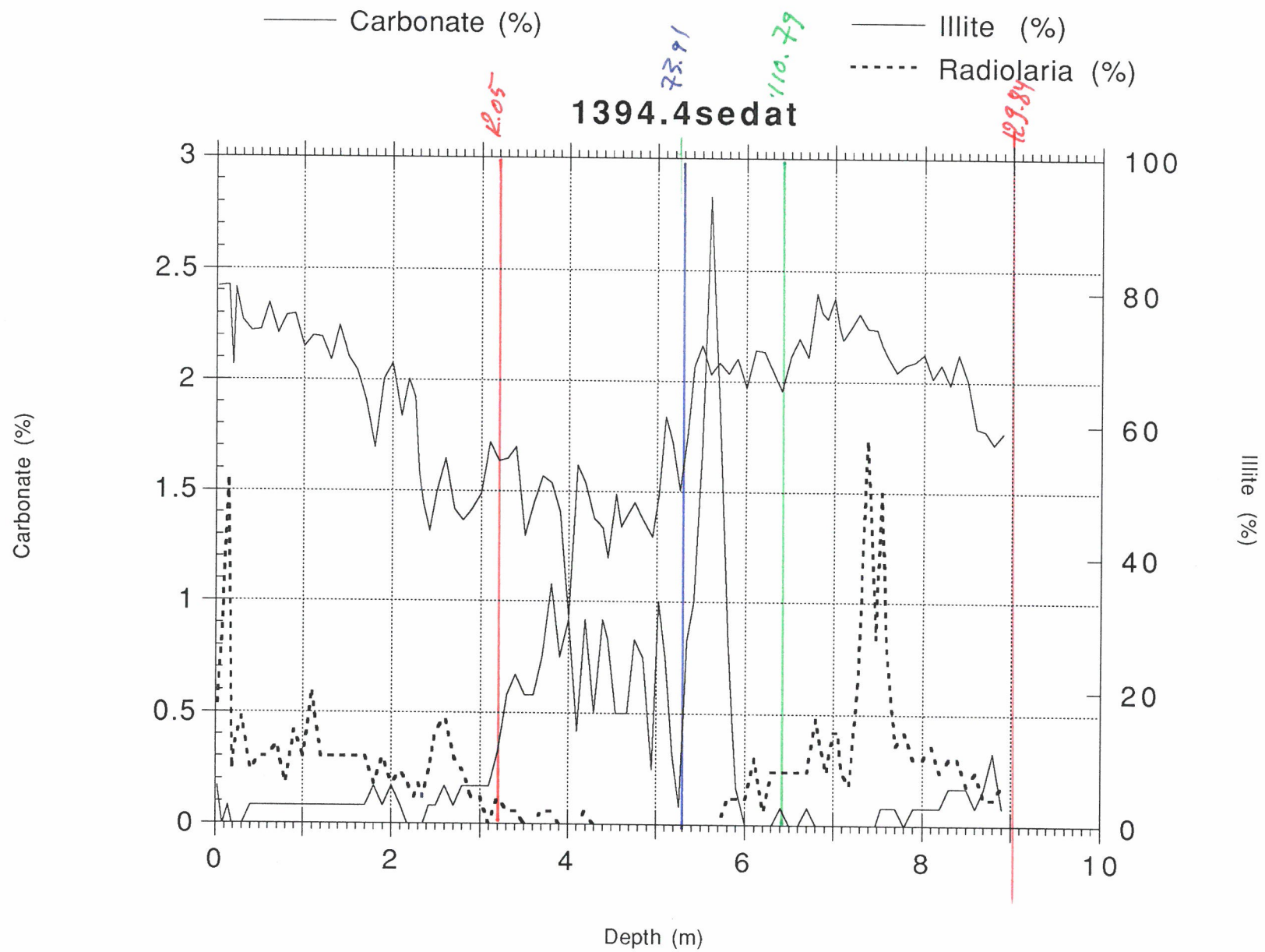


Alfred Wegener Institute - Grabe - 21-APR-99 08:44:39 Scale 1:15



AMT • SEDAN • 8-MAY-80 • Scale 1:70



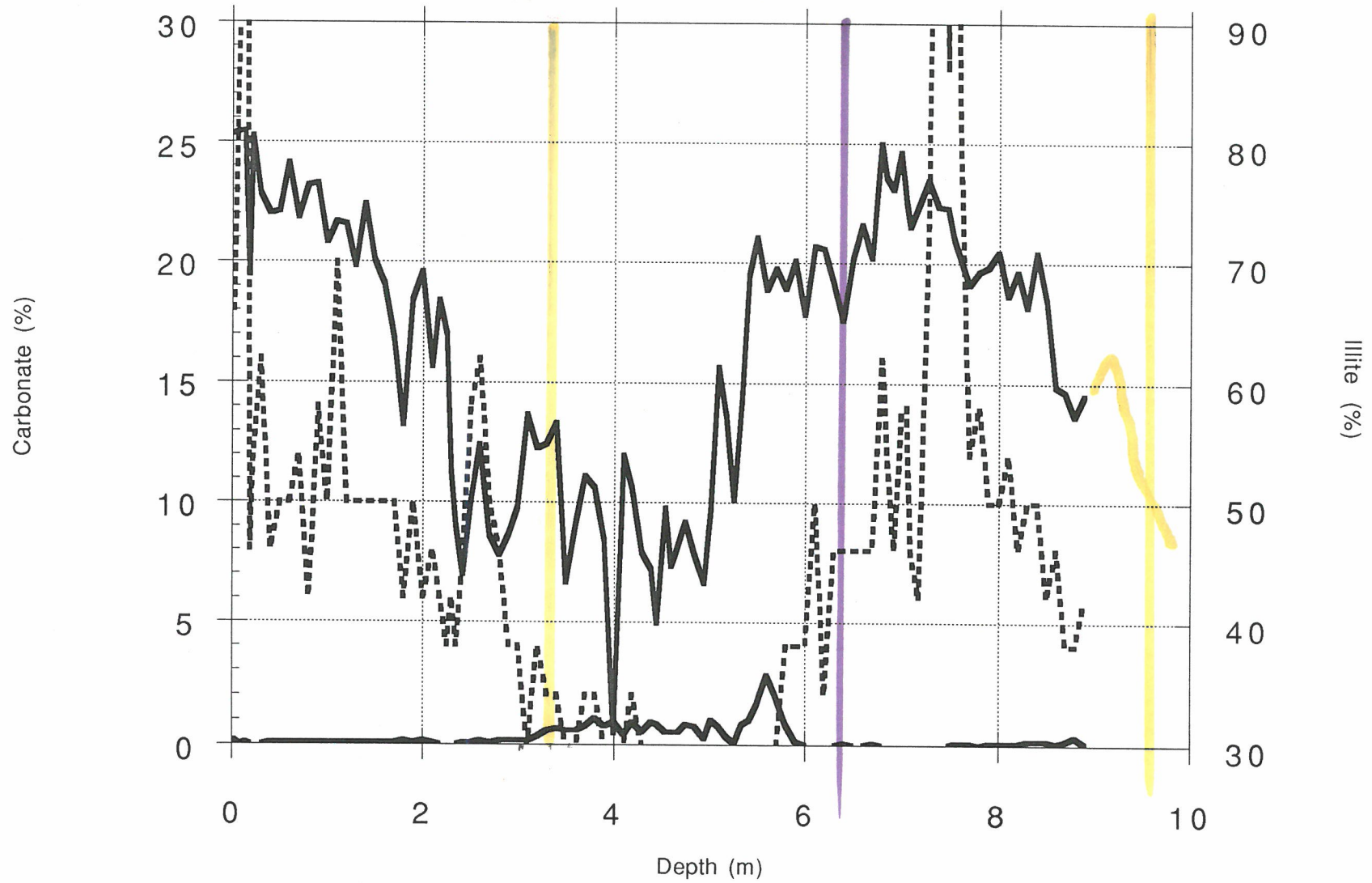


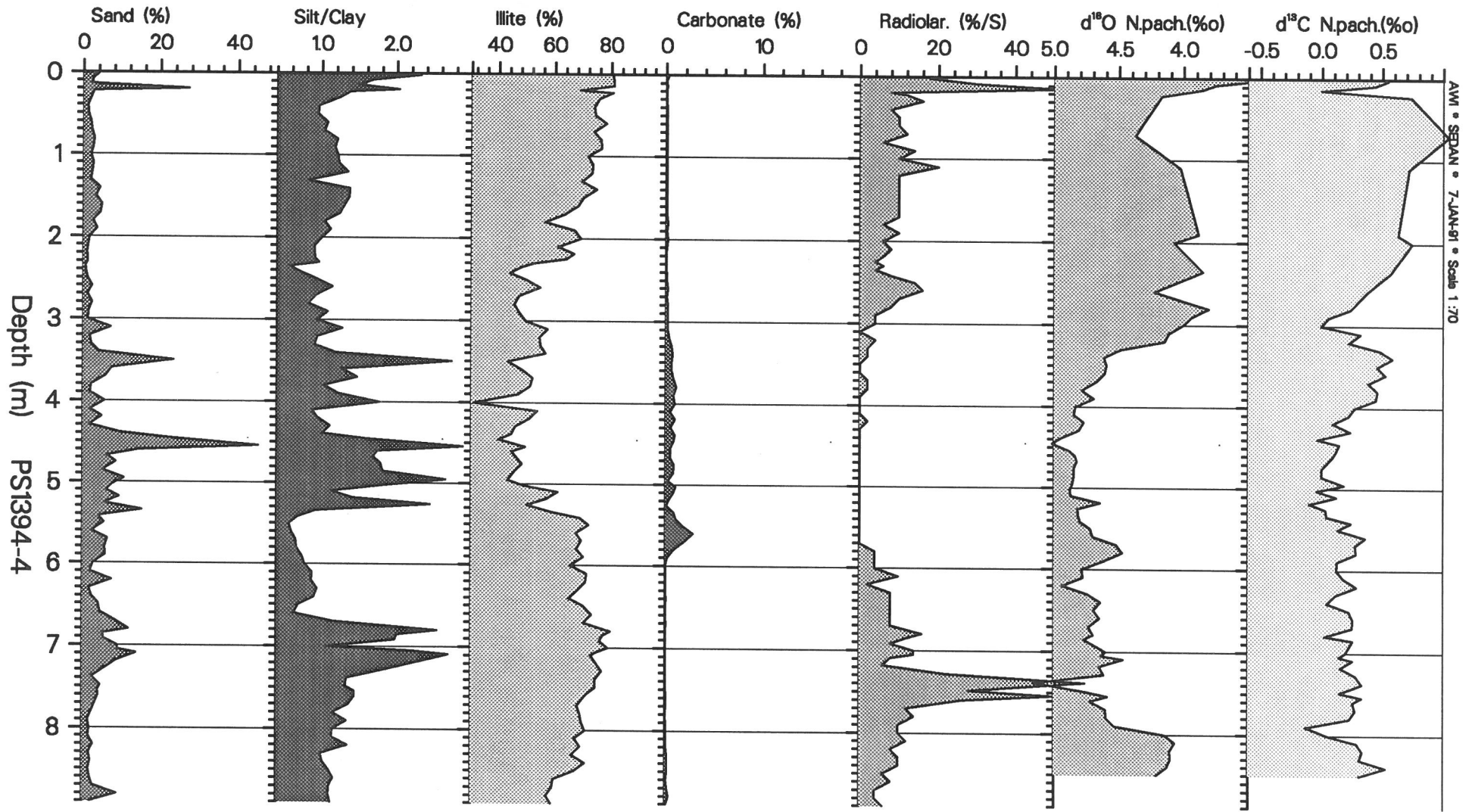
— Carbonate (%)

— Illite (%)

- - - Radiolaria (%)

1394.4sedat



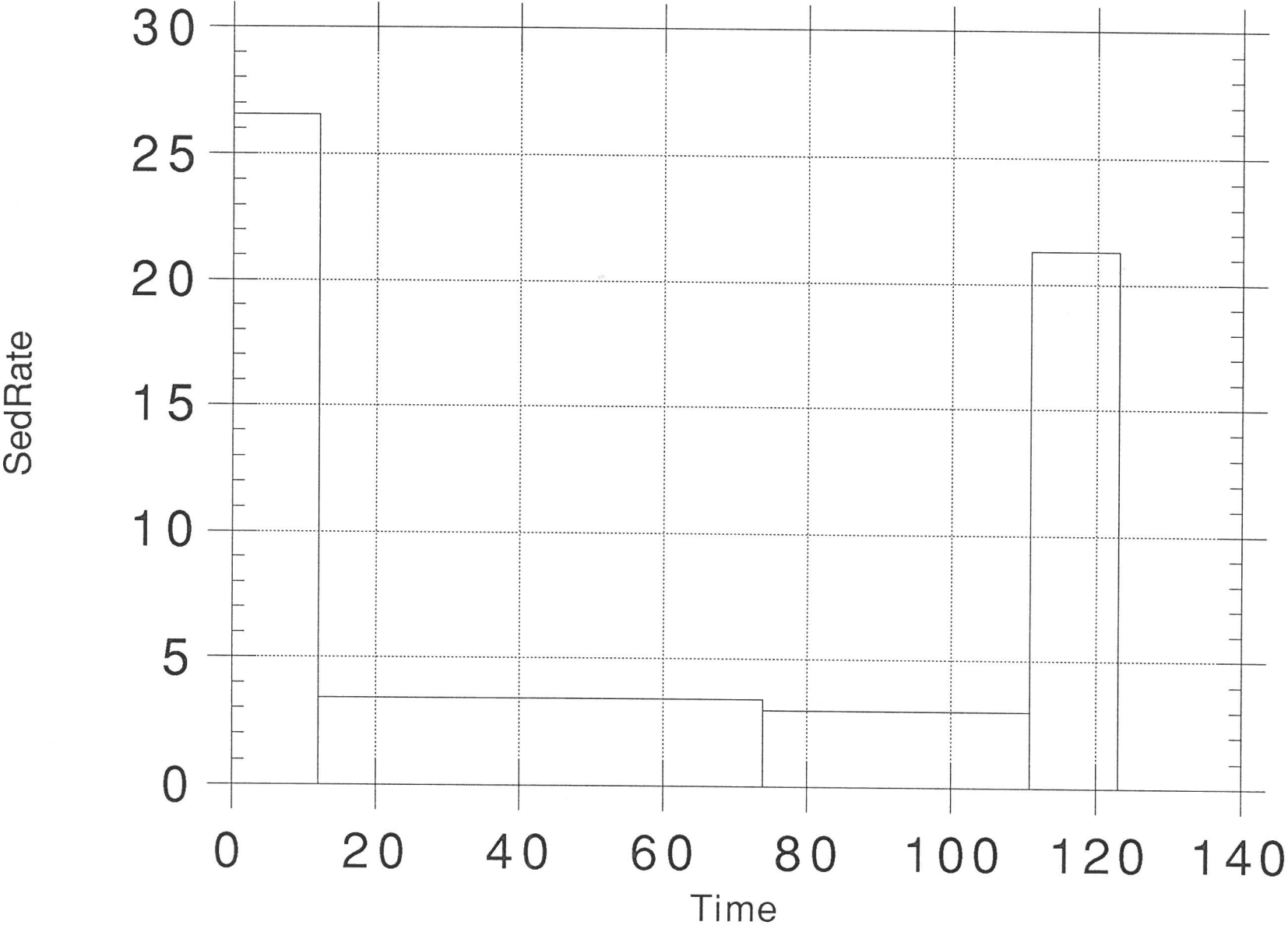


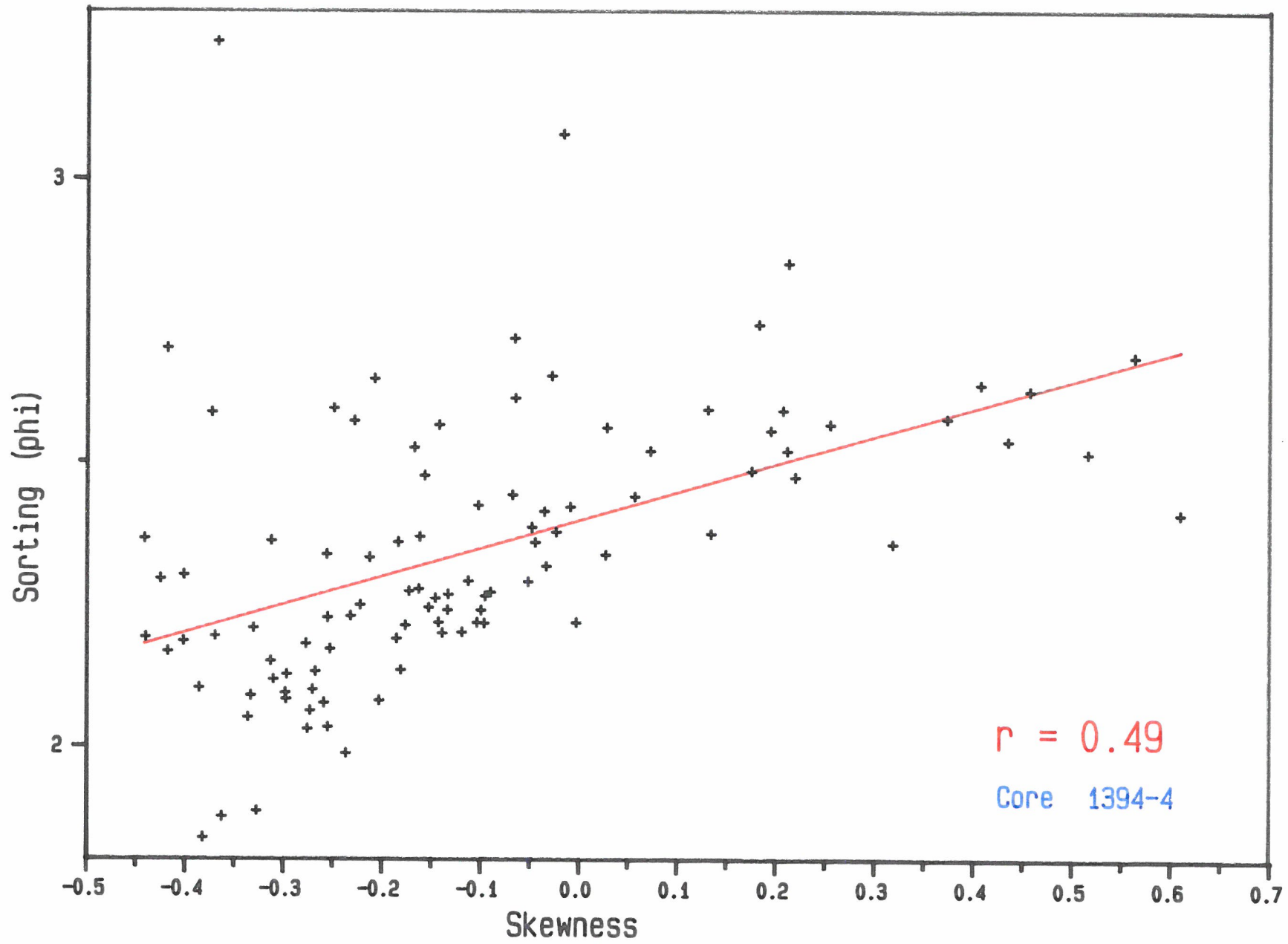
AWI • SEDAN • 7-JAN-91 • Scale 1:70

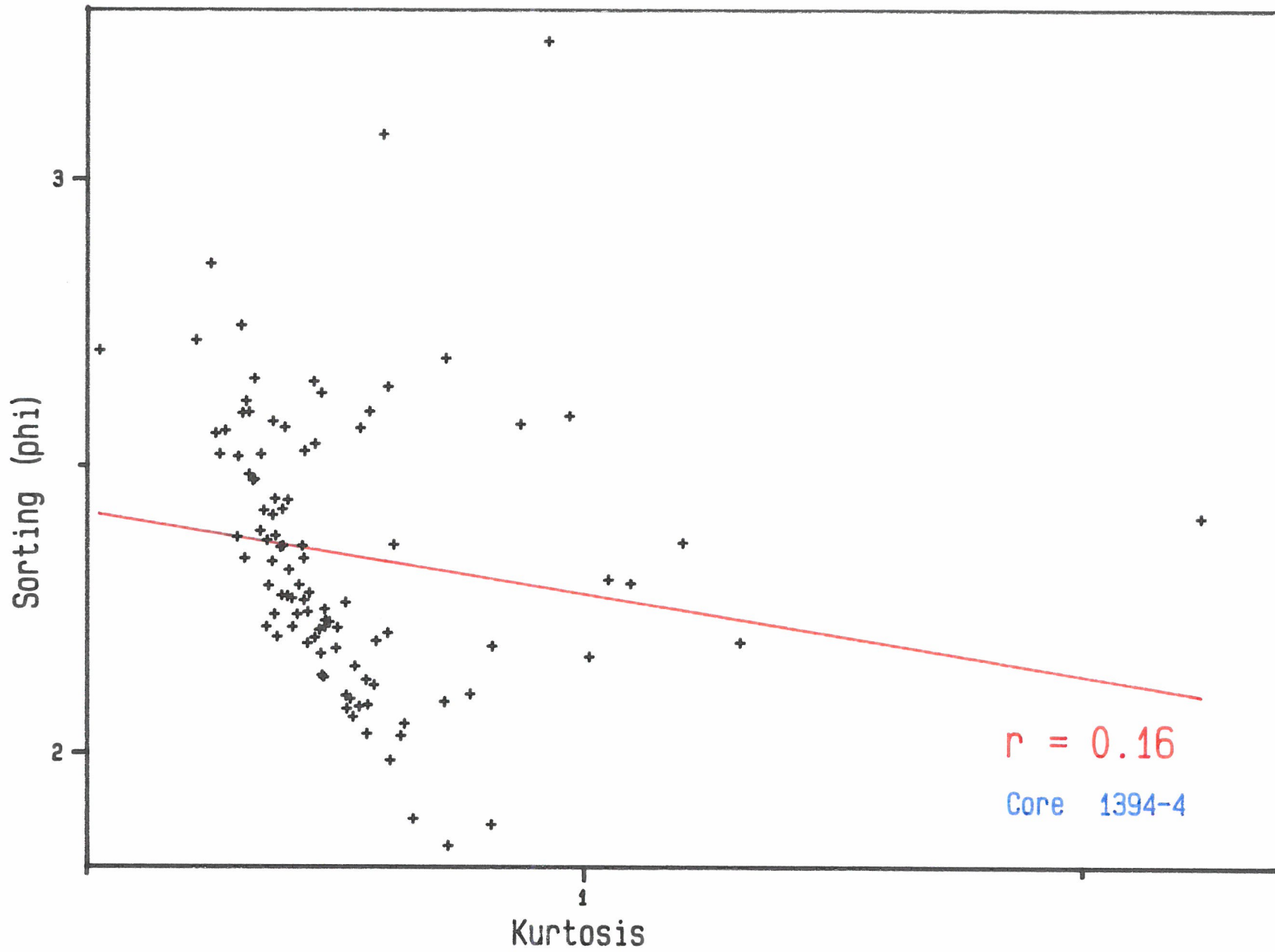
	Time	SedRate	Time	Depth
1	0.0000	0.0000	0.0000	0.0000
2	0.0000	26.556	12.050	3.2000
3	12.050	26.556	73.910	5.3000
4	12.050	0.0000	110.79	6.4000
5	12.050	3.3950	123.00	9.0000
6	73.910	3.3950		
7	73.910	0.0000		
8	73.910	2.9830		
9	110.79	2.9830		
10	110.79	0.0000		
11	110.79	21.294		
12	123.00	21.294		
13	123.00	0.0000		

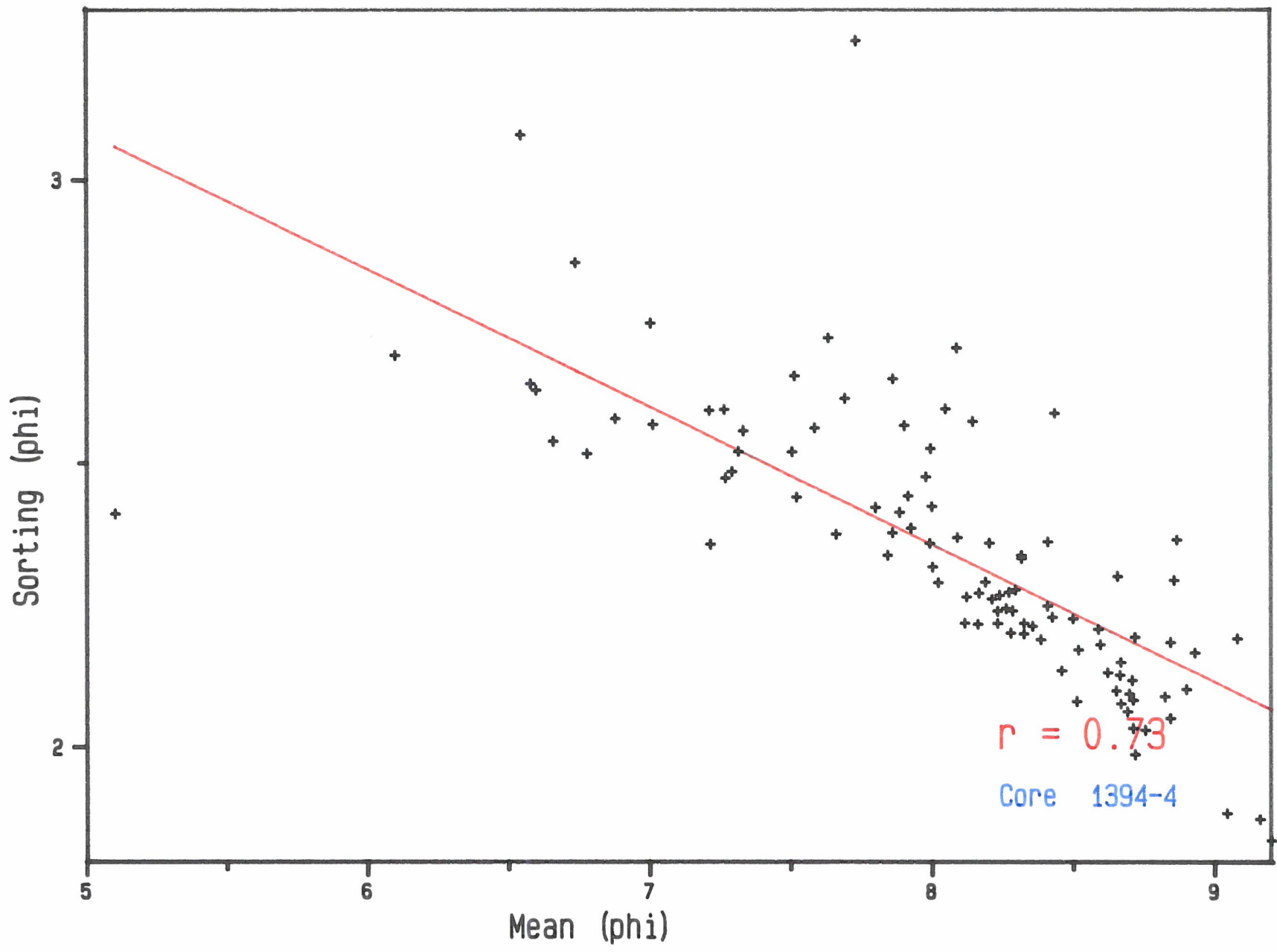
— SedRate

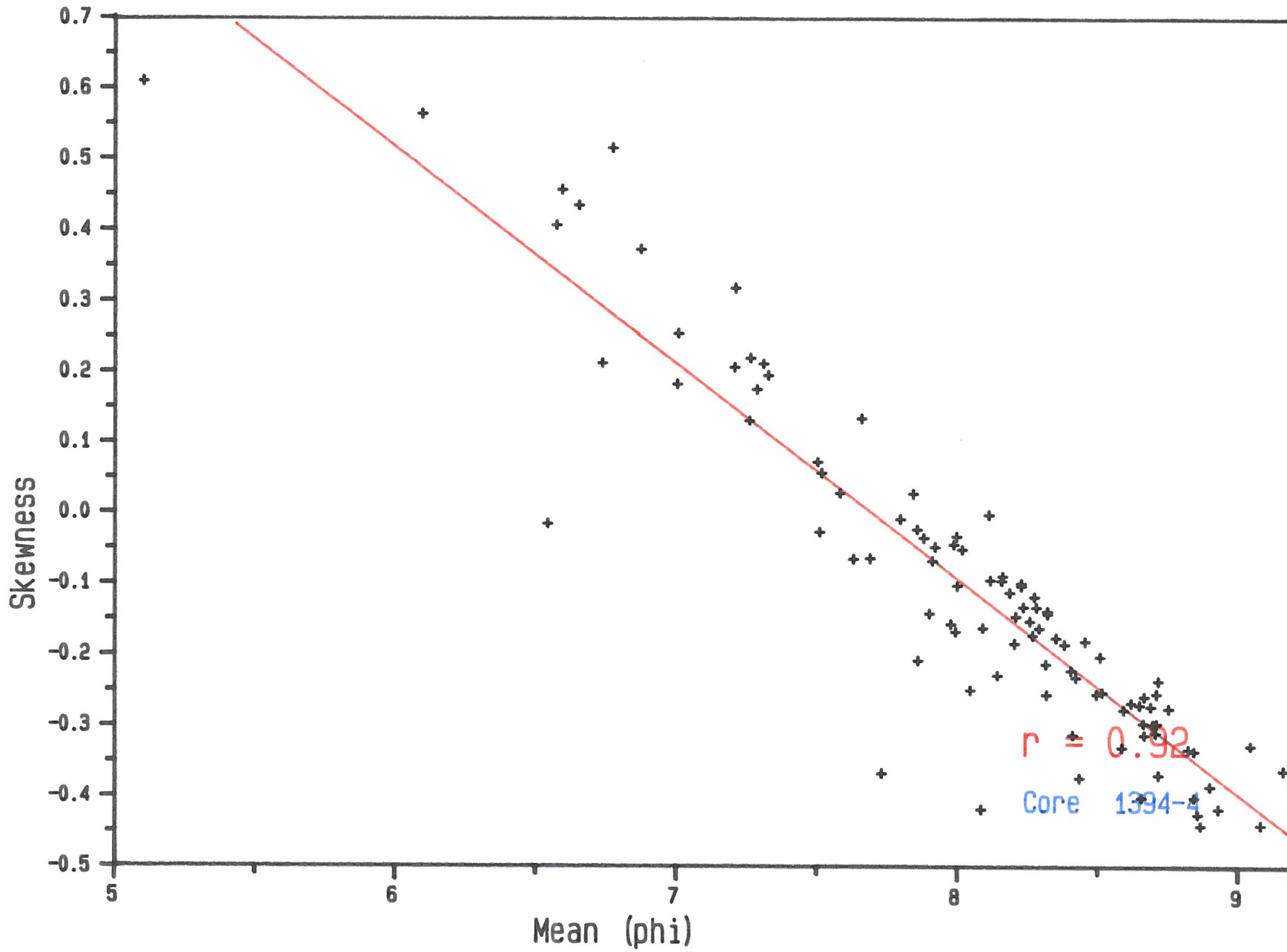
1394.4sedrate

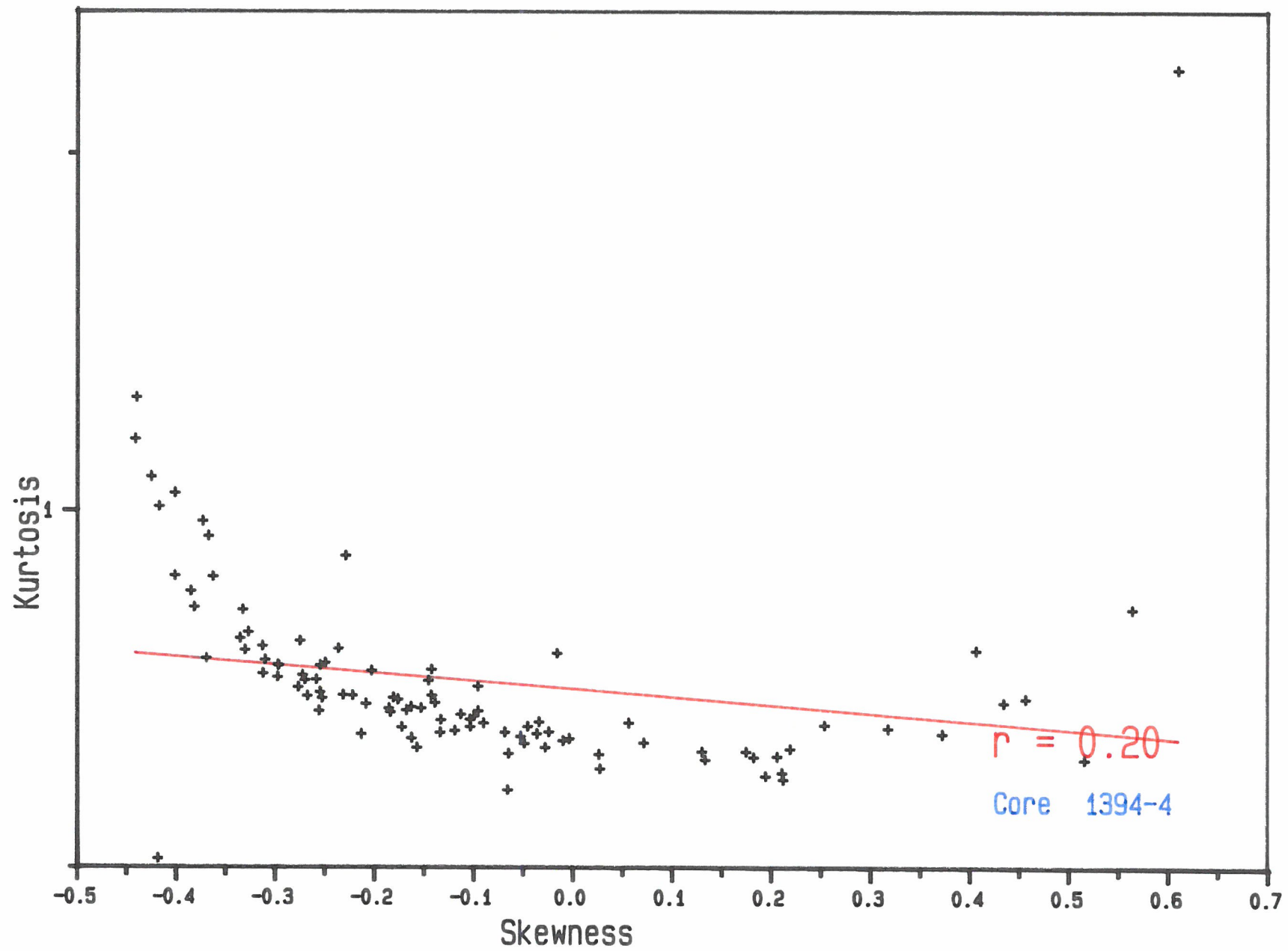


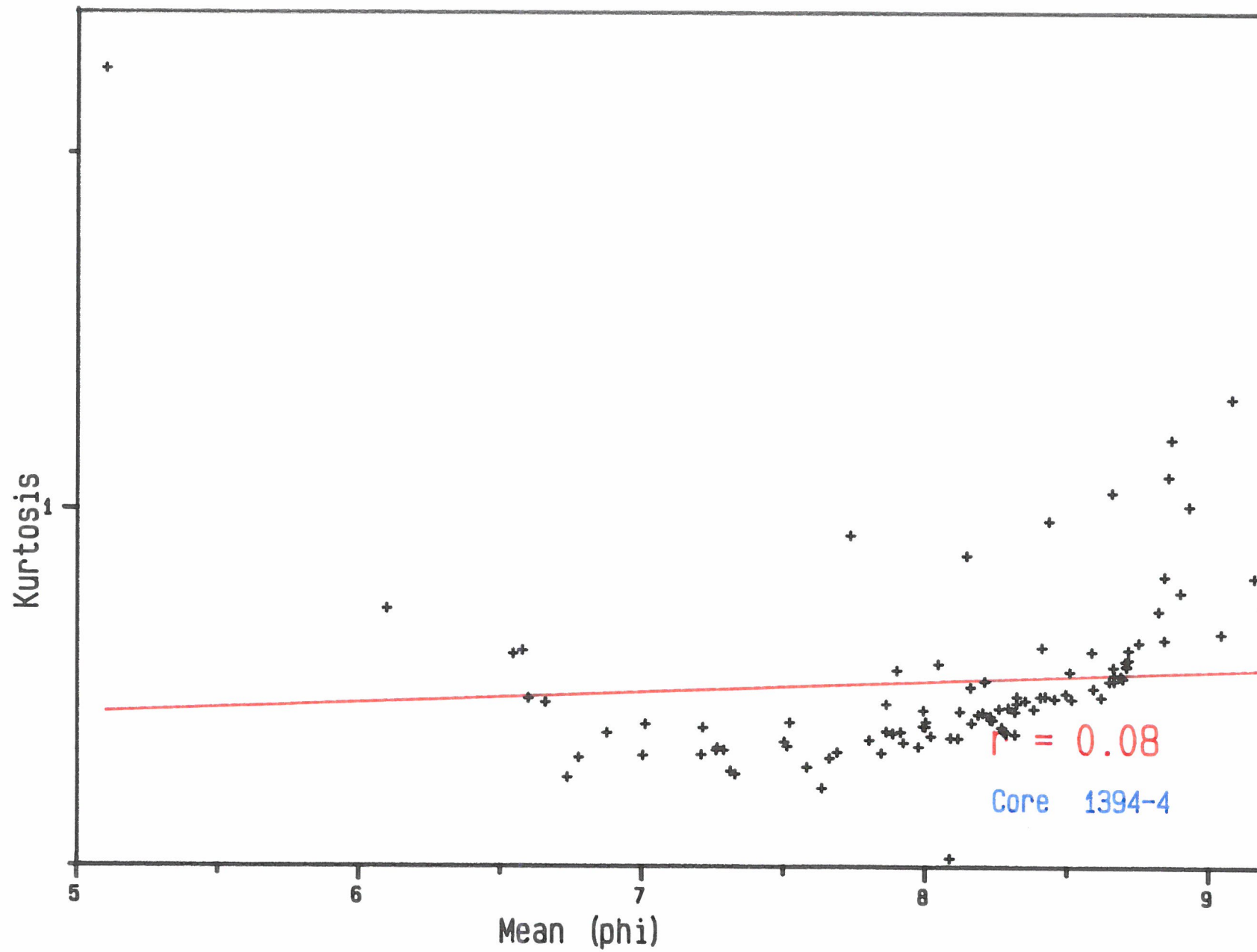




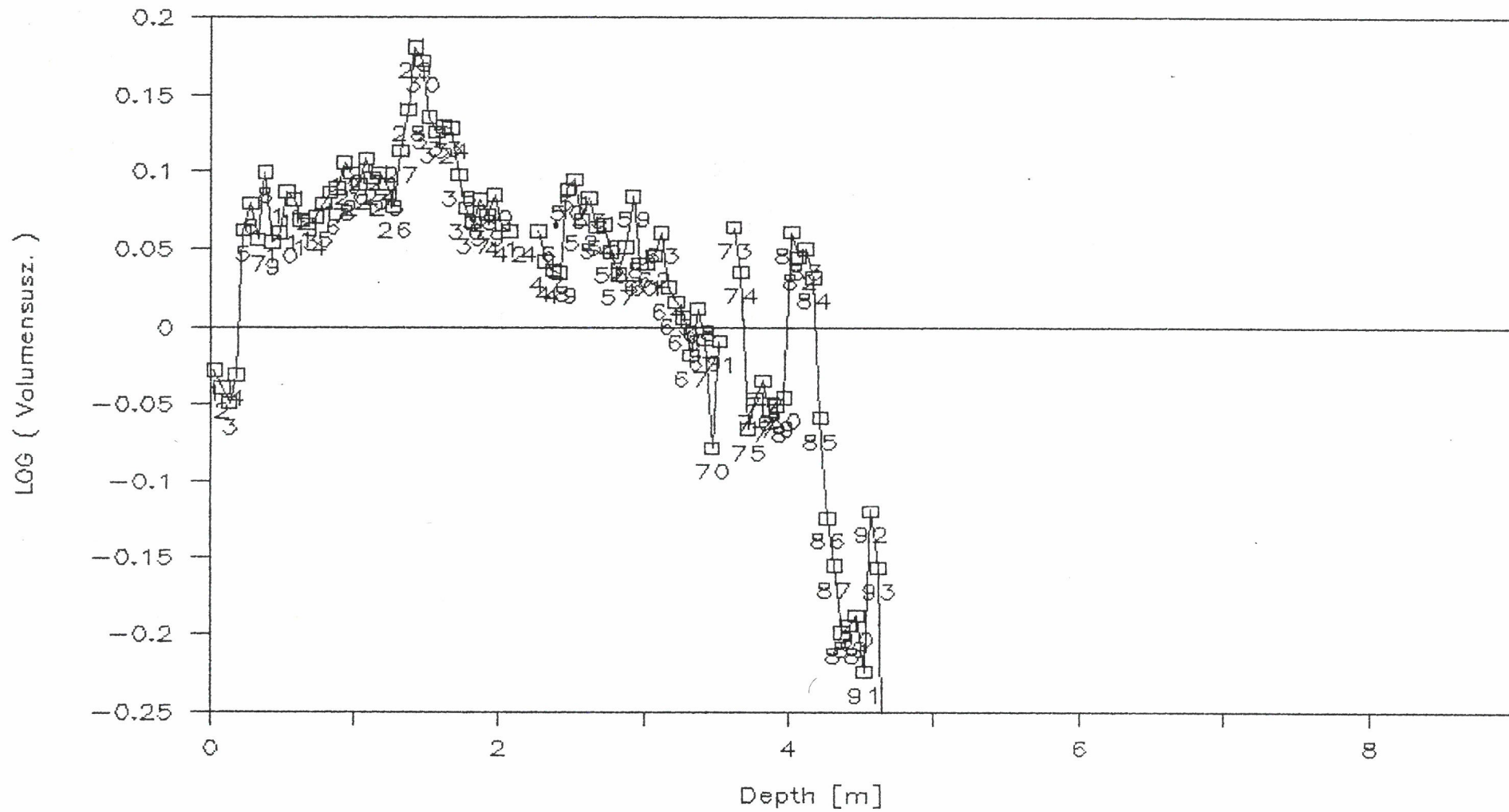






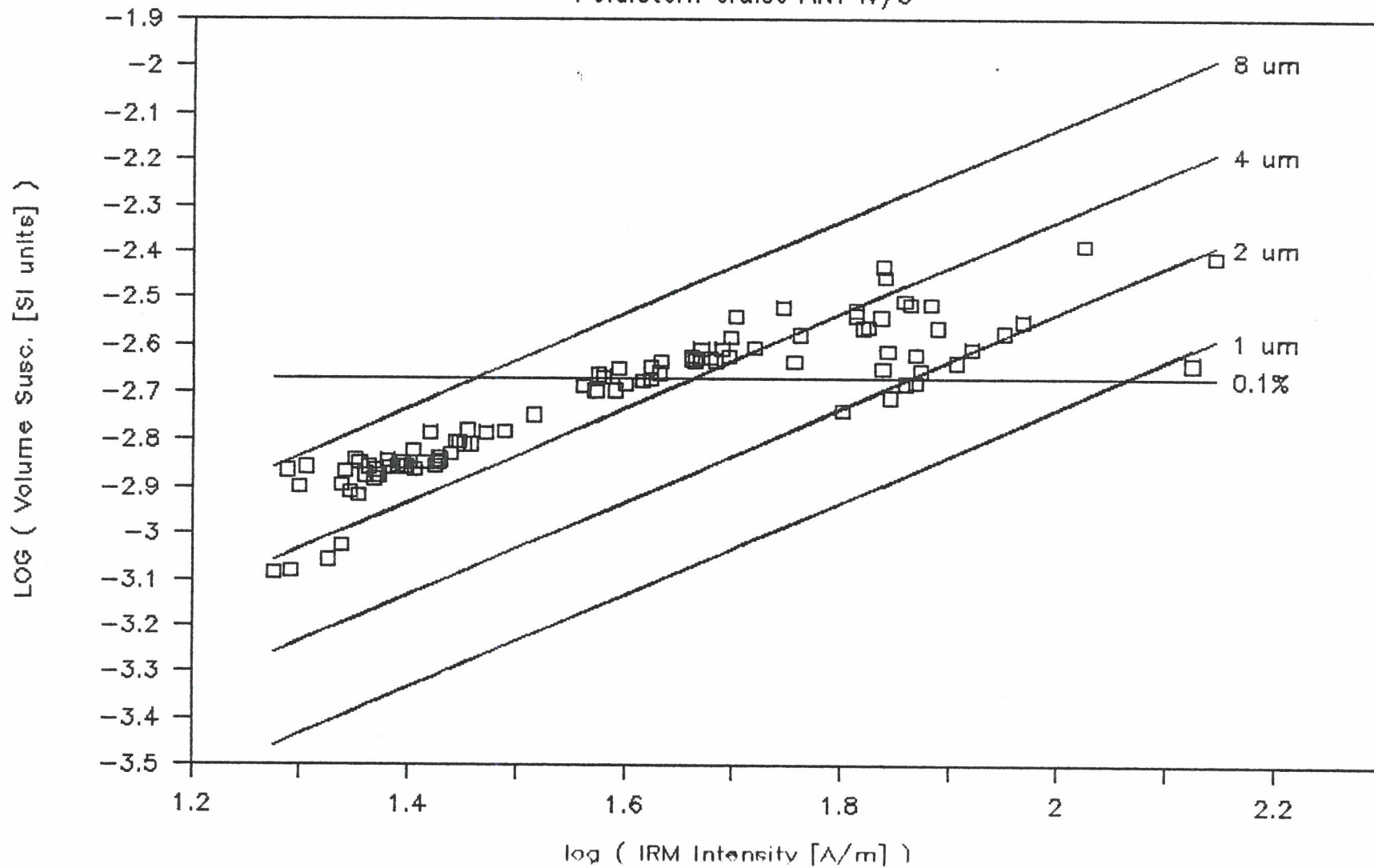


LOG(SUSZ) - 4 um / Depth 1394-4

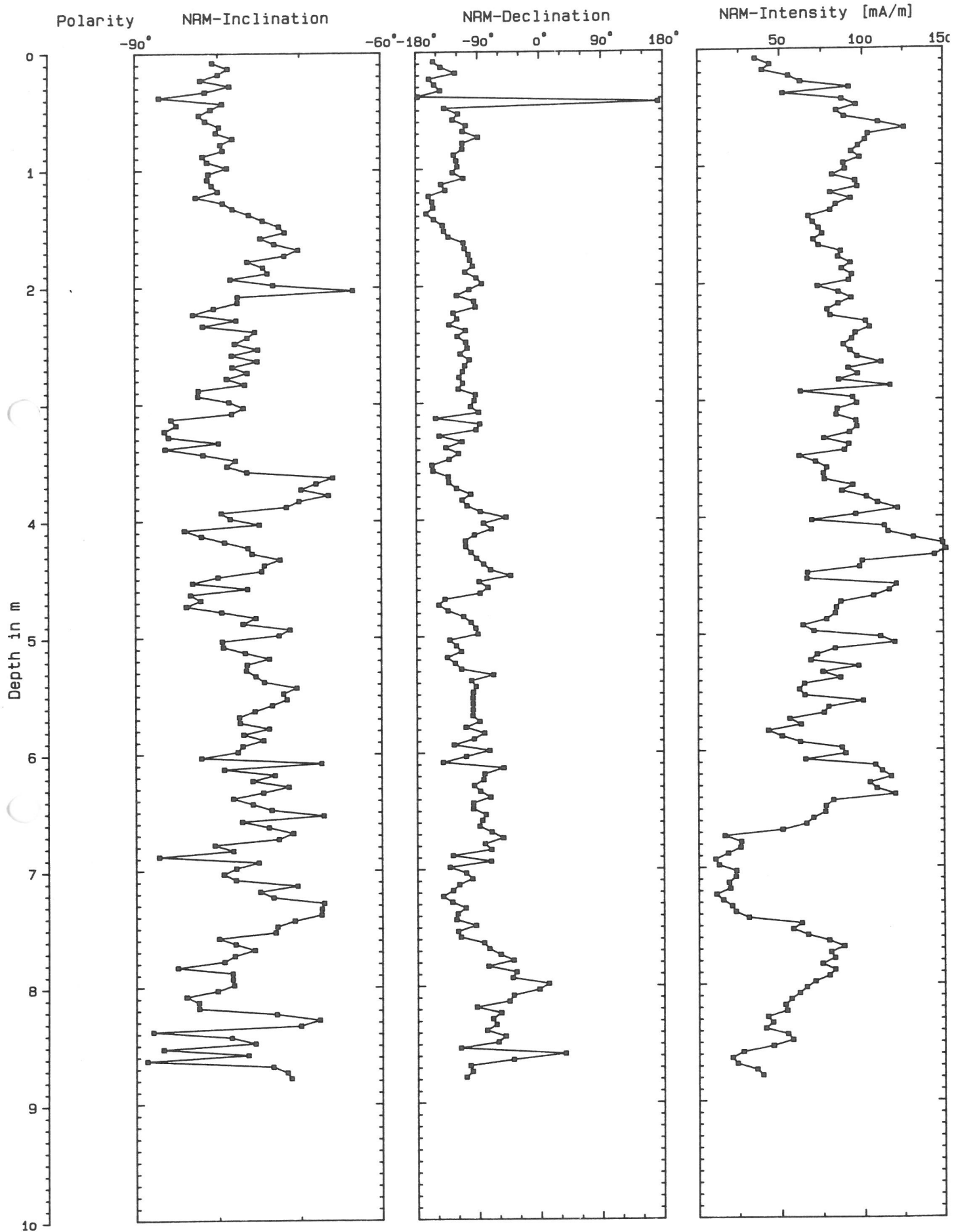


PS 1394-4

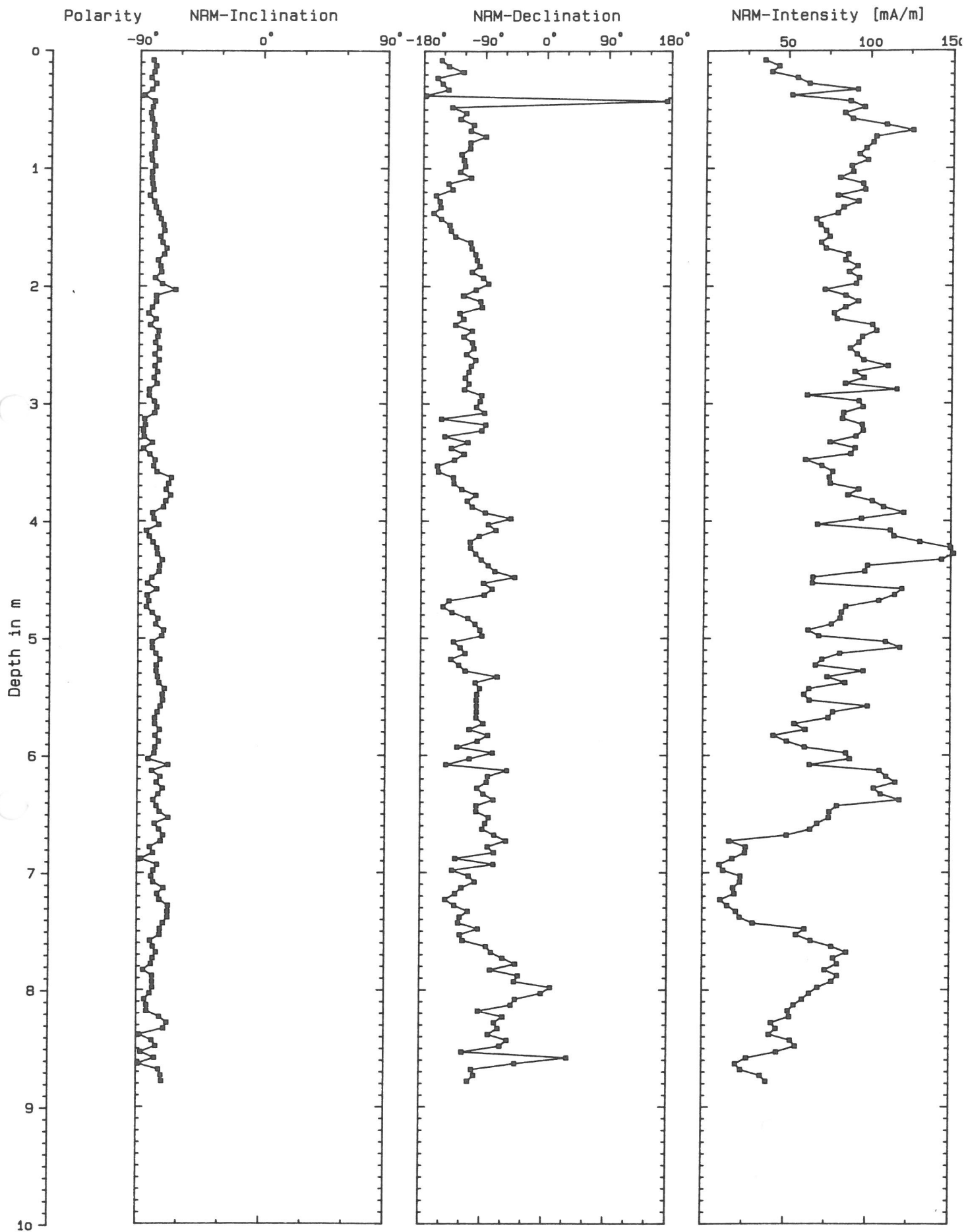
Polarstern cruise ANT IV/3



1394-4 NRM-Stratigraphy



1394-4 NRM-Stratigraphy



WED., 6 JAN., 1988, 14:25

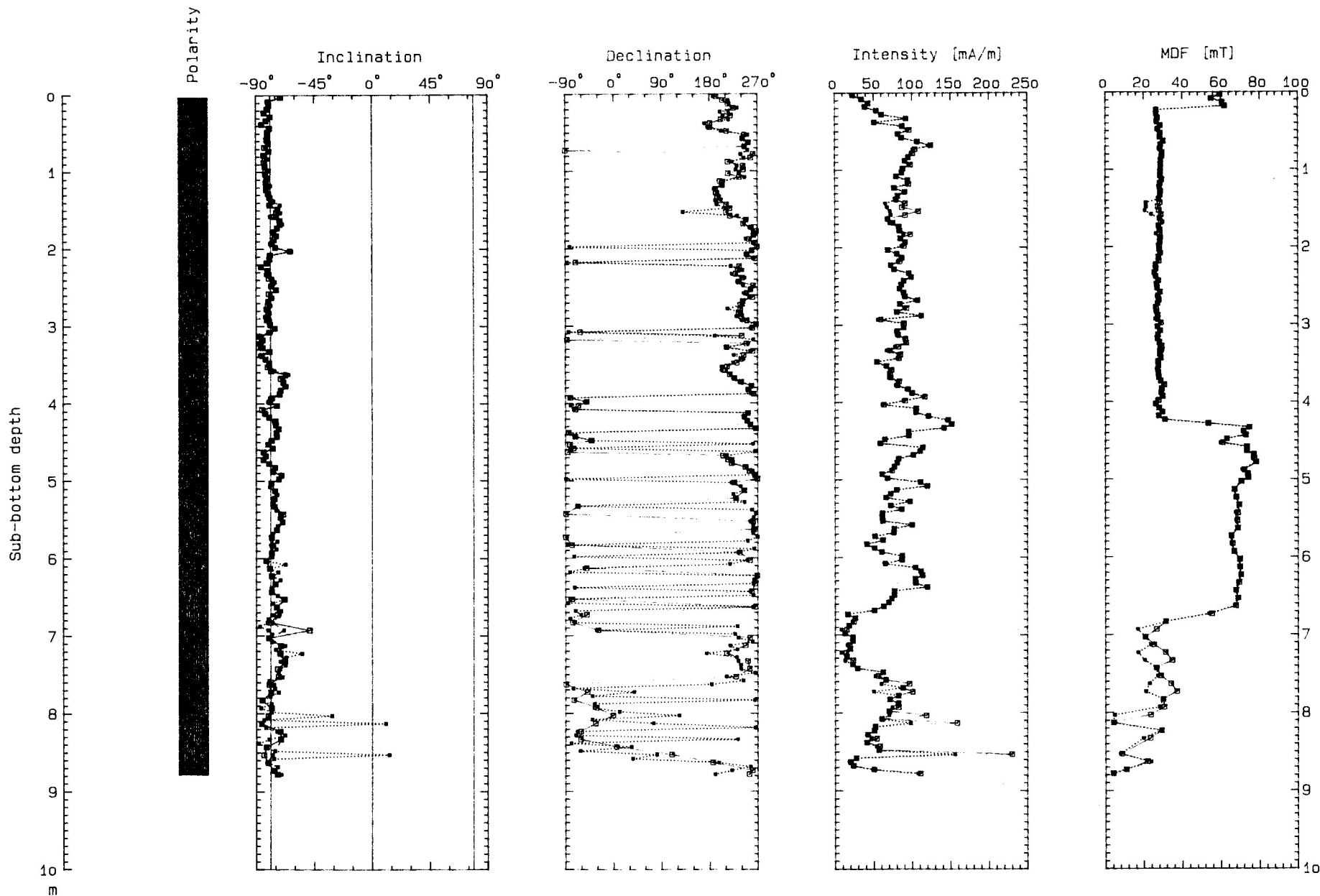
ANT IV/3 core 1394-4 : Weddell Sea

Sub-bottom depth [m]	J [mA/m] NRM	Js [mA/m] NRM	Incl. NRM	Incl. 20 mT	Incl. stable	Decl. stable	Pol.	MDF [mT]	MDFs [mT]
.03	22.64	22.87	-71.9	-71.4	-71.04	191.79	N	59.4	58.9
.08	34.04	34.34	-81.5	-79.8	-80.39	204.23	N	55.0	54.4
.13	42.78	42.87	-80.1	-79.7	-80.12	214.51	N	60.6	60.4
.18	38.45	38.63	-80.6	-81.2	-81.62	224.37	N	61.8	61.5
.23	53.13	53.46	-83.2	-83.5	-83.83	213.79	N	26.4	26.3
.28	60.11	60.39	-79.2	-79.6	-79.03	219.22	N	26.6	26.5
.33	91.83	92.17	-81.5	-82.5	-82.23	201.32	N	27.1	27.1
.38	50.65	50.88	-85.6	-85.5	-85.72	180.81	N	26.7	26.7
.43	86.83	87.12	-79.1	-79.5	-79.65	180.66	N	28.6	28.6
.48	93.72	96.41	-81.3	-80.9	-81.15	211.48	N	27.4	26.8
.53	81.06	81.54	-81.7	-80.6	-81.36	244.62	N	28.6	28.5
.58	86.10	86.22	-81.6	-81.7	-81.79	242.00	N	28.5	28.5
.63	106.21	106.61	-80.8		-80.48	252.90	N	30.2	30.2
.68	123.79	124.37	-82.1	-82.5	-83.49	245.53	N	28.8	28.7
.73	101.19	103.73	-79.7	-80.1	-80.04	270.09	N	28.6	28.1
.78	98.71	100.83	-82.7	-83.4	-84.05	261.56	N	29.7	29.2
.83	95.01	95.28	-81.1	-82.0	-83.11	257.13	N	29.5	29.5
.88	90.36	90.68	-83.1	-82.7	-83.96	214.08	N	28.9	28.8
.93	96.28	97.84	-82.6	-83.0	-83.12	242.70	N	28.8	29.1
.98	86.68	88.06	-80.6	-79.7	-82.52	243.53	N	28.9	28.7
1.03	86.29	86.78	-82.6	-83.3	-82.71	214.56	N	28.7	28.6
1.08	79.05	79.48	-82.2	-81.7	-81.78	235.59	N	28.7	28.6
1.13	93.39	94.25	-82.1	-82.2	-82.25	199.10	N	29.5	29.3
1.18	93.67	95.67	-78.8	-81.5	-81.95	203.84	N	28.5	28.1
1.23	76.48	76.77	-82.5	-82.1	-82.02	191.27	N	28.2	28.1
1.28	90.34	90.53	-79.6	-80.3	-80.83	192.51	N	28.7	28.7
1.33	81.19	81.42	-78.8	-79.9	-79.68	194.83	N	28.6	28.6
1.38	78.74	79.00	-76.4	-77.9	-78.16	199.94	N	27.9	27.8
1.43	65.42	90.91	-71.7	-80.6	-79.53	211.45	N	28.5	21.1
1.48	67.69	87.00	-73.3	-72.9	-73.32	217.78	N	27.5	21.3
1.53	71.39	108.09	-71.3	-72.4	-74.65	210.99	N	28.0	20.7
1.58	72.63	91.07	-73.6	-79.3	-76.26	218.29	N	29.1	24.0
1.63	67.68	68.11	-72.6	-71.7	-71.76	248.28	N	28.4	28.3
1.68	70.97	75.09	-71.6	-69.9	-71.66	242.63	N	29.1	30.0
1.73	82.48	82.94	-73.5	-73.4	-73.88	257.85	N	27.8	27.7
1.78	82.80	83.71	-77.8	-76.5	-76.56	267.44	N	28.4	28.2
1.83	89.24	97.79	-76.0	-74.3	-74.52	262.61	N	28.4	26.4
1.88	84.12	84.81	-76.1	-76.1	-76.28	253.93	N	28.7	28.6
1.93	90.57	91.11	-79.1	-77.5	-77.94	265.37	N	28.5	28.4
1.98	86.42	89.58	-75.0	-75.1	-75.36	268.90	N	28.2	27.5
2.03	67.89	68.45	-62.6	-63.6	-63.89	259.13	N	28.2	28.0
2.08	80.10	80.29	-78.4	-78.8	-79.35	249.72	N	28.7	28.7
2.13	86.58	86.64	-79.5	-79.7	-79.70	265.88	N	27.7	27.7
2.18	81.49	84.06	-82.4	-81.3	-81.86	288.89	N	27.9	27.3
2.23	71.77	72.13	-85.6	-87.2	-86.42	235.41	N	26.1	26.1
2.28	76.41	76.77	-82.0	-81.7	-81.33	233.01	N	26.4	26.3
2.33	95.06	95.73	-82.4	-81.7	-80.31	228.22	N	25.6	25.4
2.38	98.51	98.85	-77.6	-78.4	-80.28	241.10	N	26.3	26.2
2.43	88.22	89.22	-77.9	-75.4	-77.18	234.82	N	27.6	27.4
2.48	84.93	86.08	-79.1	-77.3	-78.53	261.64	N	26.7	26.5
2.53	82.73	83.58	-74.4	-74.5	-74.65	256.89	N	27.1	26.9
2.58	88.84	88.99	-78.9	-79.0	-80.43	249.30	N	28.5	28.5
2.63	89.19	90.90	-77.4	-77.9	-78.46	260.54	N	27.4	27.1
2.68	106.81	107.18	-80.4	-80.6	-80.59	242.17	N	27.8	27.8
2.73	84.02	84.17	-79.0	-80.2	-81.05	237.23	N	27.3	27.2
2.78	90.34	92.97	-81.5	-81.6	-82.00	237.61	N	26.4	25.8
2.83	79.80	80.05	-79.4	-80.2	-80.73	234.03	N	26.7	26.6

2.88	111.08	111.87	-83.1	-81.5	-81.91	239.57	N	27.3	27.2
2.93	55.58	59.15	-82.5	-81.5	-80.05	249.50	N	27.3	26.0
2.98	87.59	89.53	-80.0	-79.7	-79.28	267.02	N	29.0	28.6
3.03	88.91	89.17	-76.1	-76.0	-75.69	259.92	N	27.1	27.1
3.08	79.58	80.41	-78.8	-79.7	-80.13	297.27	N	28.6	28.4
3.13	80.08	81.84	-85.9	-87.2	-87.59	240.23	N	27.5	27.1
3.18	90.40	91.27	-86.5	-85.0	-84.95	272.49	N	27.2	27.0
3.23	91.37	92.31	-88.0	-86.6	-86.42	248.92	N	28.3	28.1
3.28	77.96	82.26	-87.1	-85.1	-85.09	211.08	N	29.4	28.4
3.33	67.17	71.13	-80.5	-80.1	-79.64	260.63	N	29.2	28.1
3.38	83.43	84.96	-87.1	-84.9	-85.71	243.82	N	28.5	28.1
3.43	81.48	82.88	-83.2	-82.8	-82.87	239.26	N	28.9	28.6
3.48	53.26	54.15	-79.5	-79.7	-79.96	230.97	N	27.5	27.6
3.53	65.73	66.61	-79.1	-80.4	-81.11	212.36	N	27.7	27.4
3.58	71.52	73.57	-75.9	-77.7	-78.63	209.30	N	27.5	26.9
3.63	70.46	71.47	-65.2	-67.5	-67.41	217.84	N	27.7	27.4
3.68	70.30	72.39	-68.9	-70.5	-71.10	226.44	N	28.0	27.4
3.73	81.86	83.32	-69.6	-69.3	-69.02	239.24	N	28.9	28.5
3.78	79.20	81.13	-66.5	-66.8	-67.48	258.29	N	30.8	30.2
3.83	92.79	94.68	-70.7	-70.8	-71.07	252.96	N	29.5	29.1
3.88	99.56	100.06	-72.2	-71.4	-72.02	262.79	N	29.2	29.1
3.93	115.13	116.60	-79.4	-77.3	-77.75	278.95	N	29.9	29.6
3.98	88.95	90.97	-80.8	-79.4	-79.35	309.48	N	27.7	27.0
4.03	61.53	63.25	-73.6	-73.3	-73.92	293.89	N	26.2	25.8
4.08	105.09	105.32	-84.5	-84.3	-85.73	288.10	N	28.1	28.1
4.13	104.61	104.96	-82.3	-82.9	-83.39	251.82	N	29.7	29.7
4.18	121.10	121.25	-79.6	-79.7	-80.07	244.61	N	27.8	27.8
4.23	145.52	146.87	-76.4	-75.1	-75.07	250.26	N	31.1	30.9
4.28	150.98	151.43	-75.2	-74.8	-74.97	256.36	N	53.5	53.3
4.33	141.25	141.32	-72.8	-72.7	-72.82	266.79	N	74.7	74.7
4.38	94.94	95.32	-74.9	-74.3	-74.40	275.91	N	71.8	71.5
4.43	95.08	95.60	-74.6	-73.9	-74.16	288.05	N	72.9	72.5
4.48	64.24	64.47	-79.2	-77.9	-78.18	318.33	N	63.0	62.8
4.53	57.46	58.46	-81.1	-80.5	-80.82	278.12	N	60.9	59.7
4.58	113.48	113.85	-77.0	-77.1	-77.22	284.89	N	73.4	73.2
4.63	110.22	110.53	-83.7	-84.0	-84.36	274.10	N	73.4	73.2
4.68	101.50	101.68	-81.9	-82.4	-82.75	204.82	N	76.9	76.8
4.73	81.47	82.44	-83.8	-84.0	-84.62	214.41	N	77.2	76.4
4.78	80.35	80.51	-80.1	-80.0	-80.11	220.94	N	78.3	78.1
4.83	76.65	77.10	-75.6	-75.5	-75.59	247.04	N		
4.88	72.68	74.11	-77.4	-77.1	-77.17	254.58	N	72.2	71.1
4.93	60.49	60.83	-71.1	-70.1	-70.68	265.34	N	73.9	73.5
4.98	67.81	68.18	-72.7	-72.6	-72.70	269.20	N	74.2	73.8
5.03	109.86	110.58	-78.6	-78.3	-78.47	225.68	N	70.6	70.1
5.08	119.63	119.63	-79.4		n0	n0	N		
5.13	79.80	80.04	-76.4	-75.4	-75.50	244.64	N	67.1	66.9
5.18	71.99	71.99	-73.8		n0	n0	N		
5.23	65.66	65.94	-77.5	-75.8	-75.91	228.56	N	67.9	67.6
5.28	97.20	97.20	-76.6		n0	n0	N		
5.33	71.61	72.00	-77.5	-75.6	-75.84	292.82	N	69.4	69.1
5.38	86.32	86.32	-74.4		n0	n0	N		
5.43	60.33	61.38	-71.5	-70.0	-69.19	270.72	N	68.7	67.6
5.48	61.14	61.14	-72.1		n0	n0	N		
5.53	61.15	61.76	-70.1	-70.1	-69.89	260.92	N	68.6	67.9
5.58	99.91	99.91	-73.5		n0	n0	N		
5.63	76.16	76.60	-75.0	-74.1	-74.15	262.81	N	68.8	68.3
5.68	76.09	76.09	-77.5		n0	n0	N		
5.73	51.03	51.29	-78.9	-77.8	-78.15	270.55	N	65.4	65.1
5.78	62.12	62.12	-73.8		n0	n0	N		
5.83	40.36	40.70	-78.6	-77.1	-77.25	281.72	N	66.1	65.5
5.88	50.77	50.77	-74.5		n0	n0	N		
5.93	60.21	60.39	-78.1	-78.0	-78.16	236.15	N	66.9	66.7
5.98	87.01	87.01	-77.7		n0	n0	N		
6.03	86.26	86.59	-82.3	-82.1	-82.32	255.56	N	69.9	69.6
6.08	64.66	64.66	-67.4		n0	n0	N		
6.13	103.70	104.30	-79.2	-79.5	-79.61	308.87	N	69.8	69.5

6.18	111.38	111.38	-73.1		n0	n0	N		
6.23	113.13	113.44	-77.1	-78.0	-78.03	268.95	N	70.4	70.2
6.28	103.82	103.82	-71.5		n0	n0	N		
6.33	103.54	104.63	-75.3	-75.3	-75.27	265.05	N	69.5	68.8
6.38	119.60	119.60	-78.3		n0	n0	N		
6.43	76.60	76.94	-78.4	-78.3	-78.17	258.70	N	67.8	67.6
6.48	77.00	77.00	-73.6		n0	n0	N		
6.53	73.10	73.53	-69.3	-67.9	-68.23	282.20	N	68.9	68.5
6.58	69.46	69.46	-77.2		n0	n0	N		
6.63	62.18	62.85	-74.3	-73.6	-74.25	265.66	N	67.7	67.1
6.68	50.85	50.85	-70.9		n0	n0	N		
6.73	15.66	16.07	-77.1	-72.1	-73.49	309.37	N	55.4	53.9
6.78	26.18	26.18	-80.5		n0	n0	N		
6.83	22.69	24.00	-81.5	-77.6	-79.18	282.93	N	31.5	31.7
6.88	18.01	18.01	-87.2		n0	n0	N		
6.93	8.24	14.84	-80.7	-68.7	-48.75	330.83	N	26.7	16.9
6.98	12.47	12.47	-77.9		n0	n0	N		
7.03	22.49	22.76	-80.7	-79.2	-80.43	255.36	N	20.9	20.8
7.08	22.70	22.70	-78.0		n0	n0	N		
7.13	16.16	18.59	-67.7	-70.5	-71.18	246.87	N	25.3	23.6
7.18	19.36	19.36	-75.0		n0	n0	N		
7.23	7.92	14.16	-54.6	-73.0	-71.45	211.79	N	31.3	17.1
7.28	15.01	15.01	-67.1		n0	n0	N		
7.33	13.08	23.29	-71.3	-67.5	-67.90	251.42	N	34.8	20.6
7.38	22.61	22.61	-67.5		n0	n0	N		
7.43	28.73	29.02	-71.8	-72.2	-73.50	254.68	N	26.6	26.6
7.48	62.01	62.01	-72.9		n0	n0	N		
7.53	51.99	55.91	-69.8	-71.6	-72.81	229.06	N	28.8	27.2
7.58	65.80	65.80	-80.1		n0	n0	N		
7.63	60.02	96.19	-76.5	-79.5	-79.94	270.75	N	34.1	22.9
7.68	87.75	87.75	-75.7		n0	n0	N		
7.73	49.89	100.50	-72.7	-78.6	-78.77	310.89	N	37.2	21.1
7.78	82.18	82.18	-79.4		n0	n0	N		
7.83	70.29	70.90	-86.1	-85.3	-85.41	285.48	N	30.2	30.0
7.88	82.29	82.29	-78.4		n0	n0	N		
7.93	74.40	82.23	-86.5	-78.2	-78.25	328.10	N	30.6	28.1
7.98	70.10	70.10	-78.2		n0	n0	N		
8.03	70.09	118.34	-31.4	-79.8	-80.77	358.94	N	23.5	4.7
8.08	60.60	60.60	-84.0		n0	n0	N		
8.13	98.04	158.35	10.5	-86.6	-85.89	325.95	N	4.3	4.0
8.18	52.01	52.01	-82.5		n0	n0	N		
8.23	49.93	50.79	-73.8	-71.5	-71.47	298.62	N	29.3	29.1
8.28	41.86	41.86	-67.7		n0	n0	N		
8.33	46.89	54.05	-79.9	-70.7	-71.02	298.00	N	23.4	19.8
8.38	40.64	40.64	-88.0		n0	n0	N		
8.43	53.82	57.96	-82.8		-82.11	5.37	N		
8.48	56.49	56.49	-75.6		n0	n0	N		
8.53	155.79	229.91	13.2	-77.5	-84.11	109.11	N	8.6	7.8
8.58	27.15	27.15	-76.5		n0	n0	N		
8.63	18.33	19.92	-80.6	-82.1	-80.87	185.70	N	21.9	23.7
8.68	23.53	23.53	-73.4		n0	n0	N		
8.73	49.15	50.28	-75.8	-75.3	-76.14	260.37	N	10.9	10.7
8.78	107.59	110.75	-70.8	-73.9	-73.60	254.00	N	4.0	4.0

core 1394-4



KERN 1394 -

GKG

% *B. aculeata*

% *C. subglobosum*

% *R. difflugif.*

% *Trochammina*
sp. 39

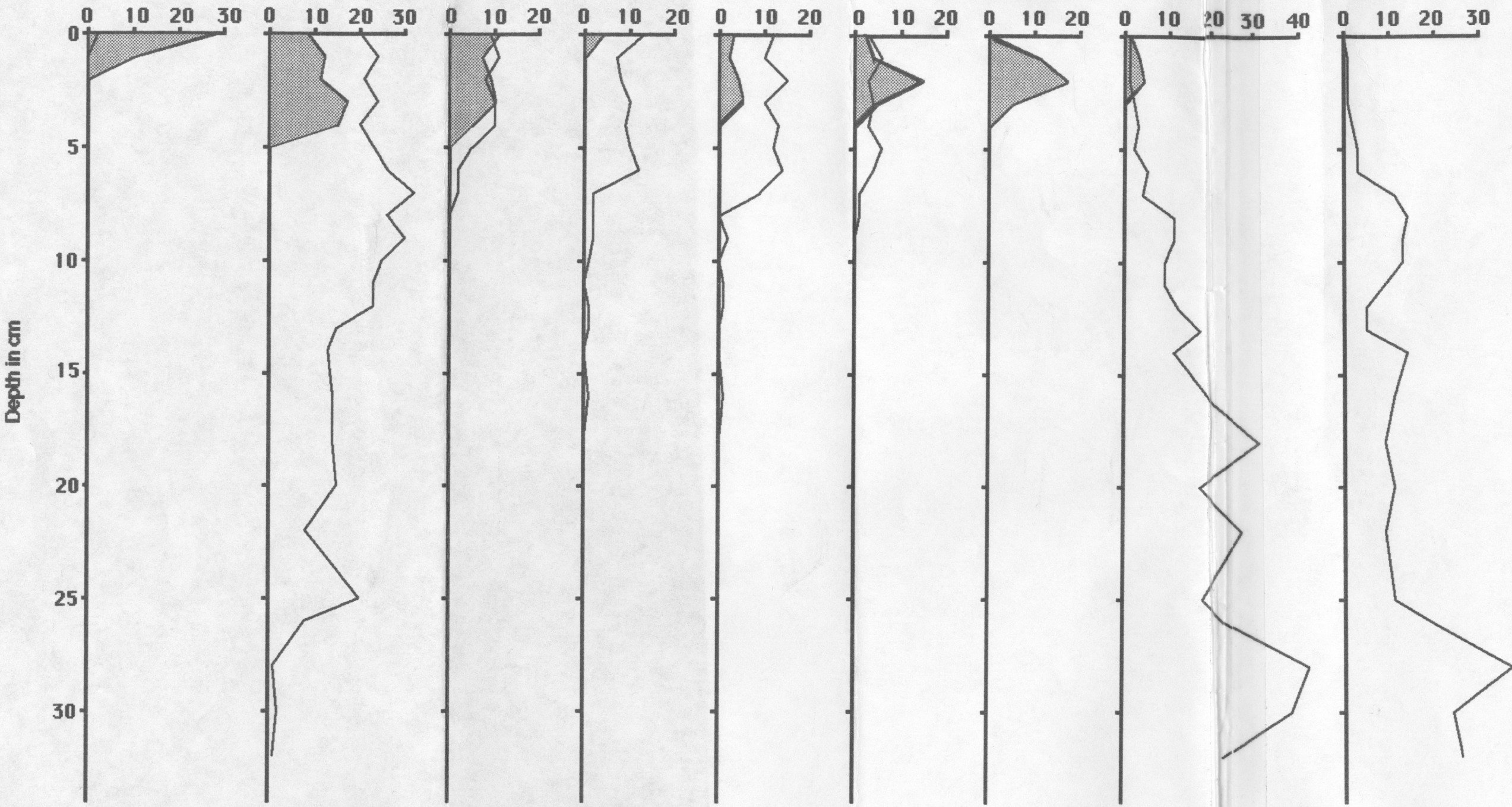
sp. 52

% *G.*
charoides

% *H.*
bradyi

% *E. bradyi*

% *M. nodulosa*



% *M. nodulosa*

% *M. arenacea*

% *H. cylindrica*

% *C. orbicularis*

0 10 20 30 40
STANDING STOCK

0 200 400
FORAMINIFERAL NUMBER

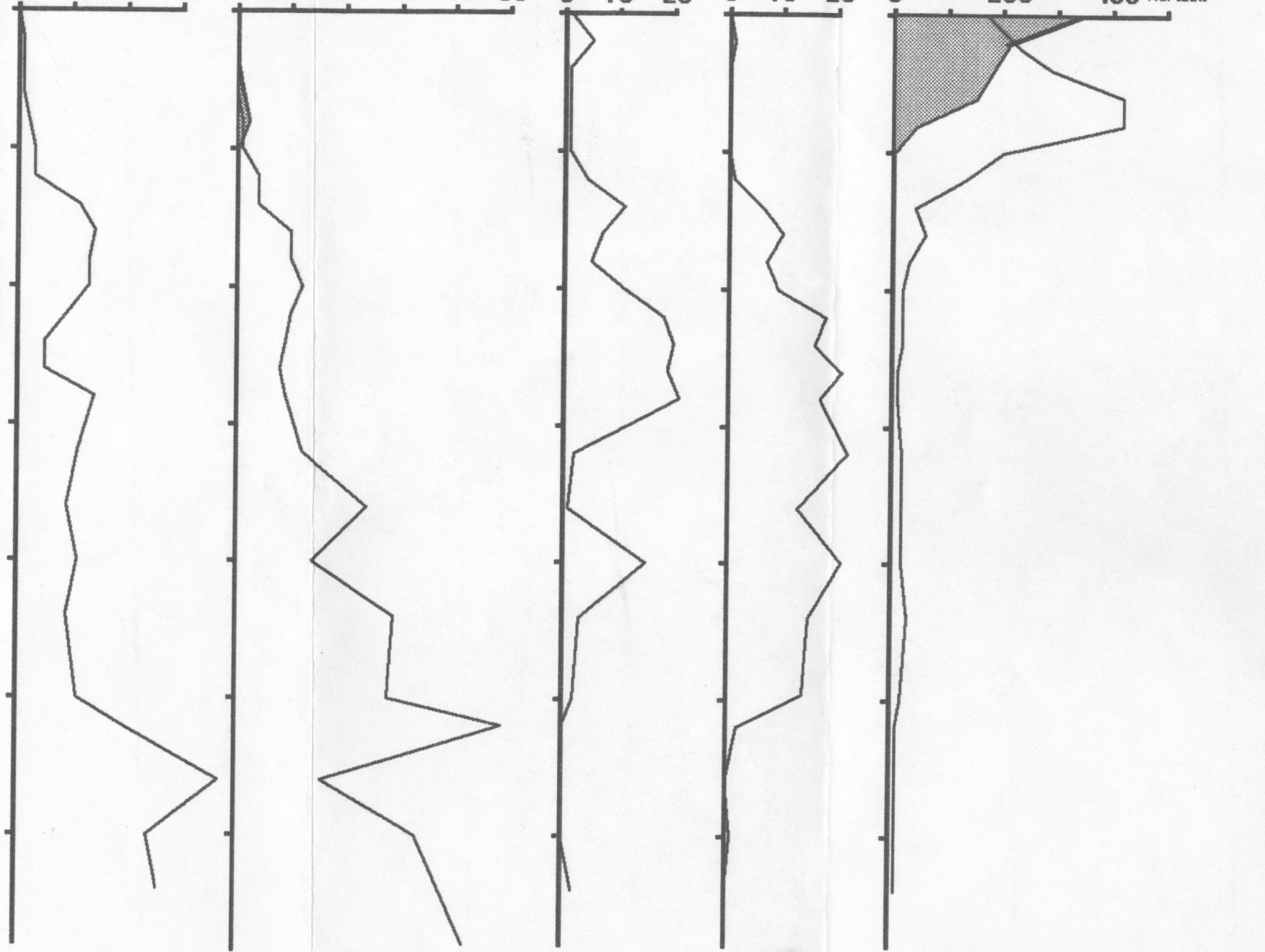
0 10 20 30

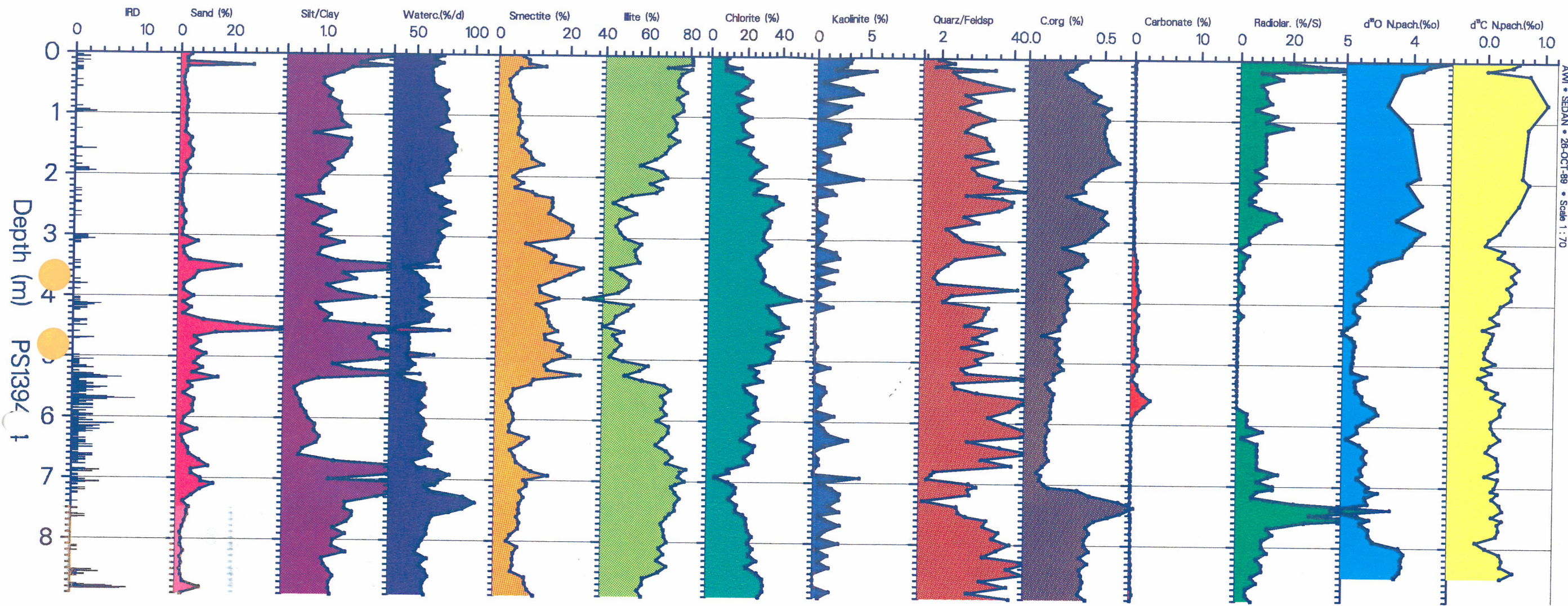
0 10 20 30 40 50

0 10 20

0 10 20

0 200 400





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