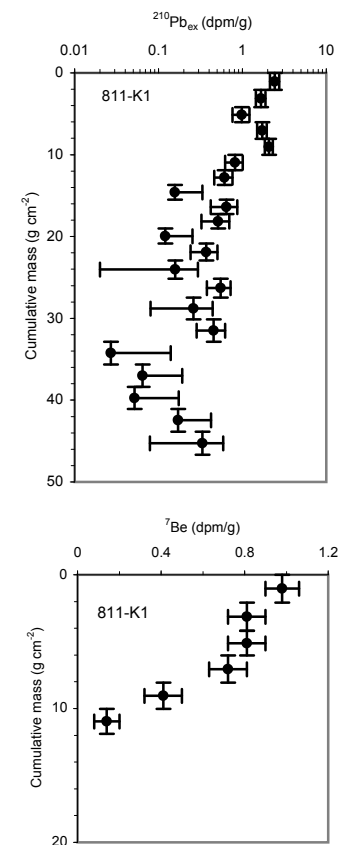


Downcore data on water content, cumulative mass, nuclide activities and sediment chronology

Depth (cm)	Content of water (%)	Cumulative mass* (g cm ⁻²)	Mean deposition time (A.D.)**	²¹⁰ Pb _{ex}	¹³⁷ Cs	⁷ Be
				(dpm g ⁻¹)		
811-K1 (22°27.47'N, 120°24.98'E; 144 m; collected on October 14, 2006)						
0-2	35.18	1.039 ± 1.039		2.44 ± 0.31		0.98 ± 0.08
2-4	34.43	3.138 ± 1.060		1.66 ± 0.22		0.81 ± 0.09
4-6	39.71	5.119 ± 0.921		0.99 ± 0.22		0.81 ± 0.09
6-8	36.28	7.050 ± 1.010		1.73 ± 0.23		0.72 ± 0.09
8-10	37.45	9.039 ± 0.979		2.07 ± 0.23		0.41 ± 0.09
10-12	39.32	10.949 ± 0.931		0.81 ± 0.19		0.14 ± 0.06
12-14	39.96	12.795 ± 0.915		0.61 ± 0.15		
14-16	40.58	14.610 ± 0.900		0.16 ± 0.18		
16-18	41.61	16.385 ± 0.875		0.65 ± 0.23		
18-20	41.37	18.141 ± 0.881		0.51 ± 0.19		
20-22	39.58	19.947 ± 0.925		0.12 ± 0.13		
22-24	35.80	21.894 ± 1.022		0.37 ± 0.13		
24-26	32.31	24.036 ± 1.119		0.16 ± 0.14		
26-28	31.24	26.305 ± 1.150		0.55 ± 0.17		
28-30	25.39	28.789 ± 1.333		0.26 ± 0.18		
30-32	24.45	31.487 ± 1.365		0.45 ± 0.17		
32-34	23.68	34.243 ± 1.391		0.03 ± 0.11		
34-36	23.99	37.015 ± 1.381		0.06 ± 0.13		
36-38	25.13	39.737 ± 1.342		0.05 ± 0.12		
38-40	23.95	42.461 ± 1.382		0.17 ± 0.25		
40-42	23.11	45.254 ± 1.411		0.33 ± 0.26		

811-K2 (22°24.95'N, 120°24.80'E; 331 m; collected on October 14, 2006)

0-2	35.18	1.039 ± 1.039	1.54 ± 0.16
2-4	34.43	3.138 ± 1.060	0.68 ± 0.12
4-6	39.71	5.119 ± 0.921	0.54 ± 0.12



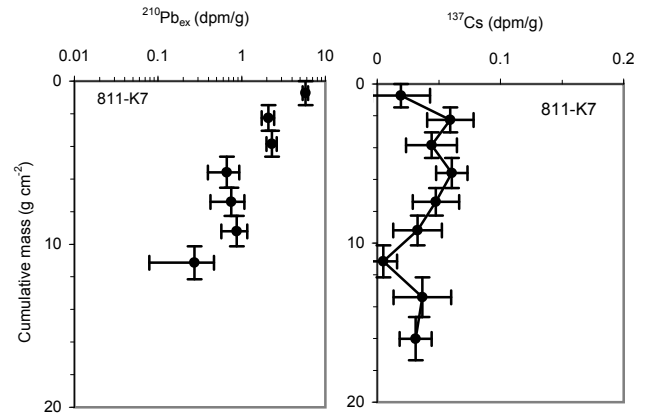
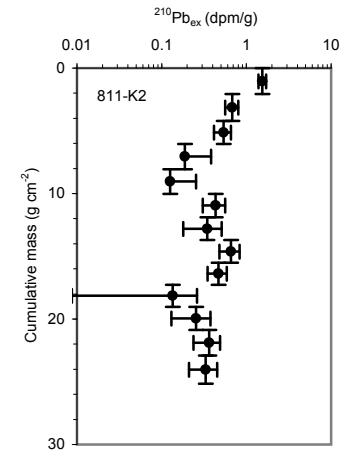
6-8	36.28	7.050 ± 1.010	0.19 ± 0.19
8-10	37.45	9.039 ± 0.979	0.13 ± 0.13
10-12	39.32	10.949 ± 0.931	0.43 ± 0.13
12-14	39.96	12.795 ± 0.915	0.34 ± 0.16
14-16	40.58	14.610 ± 0.900	0.65 ± 0.18
16-18	41.61	16.385 ± 0.875	0.47 ± 0.12
18-20	41.37	18.141 ± 0.881	0.13 ± 0.13
20-22	39.58	19.947 ± 0.925	0.25 ± 0.12
22-24	35.80	21.894 ± 1.022	0.36 ± 0.13
24-26	32.31	24.036 ± 1.119	0.33 ± 0.12

811-K7 (22°17.42'N, 120°17.55'E; 807 m; collected on October 13, 2006)

0-2	47.90	0.732 ± 0.732	5.77 ± 0.43	0.019 ± 0.024
2-4	45.50	2.249 ± 0.785	2.09 ± 0.35	0.059 ± 0.019
4-6	44.66	3.838 ± 0.804	2.29 ± 0.32	0.044 ± 0.021
6-8	38.67	5.589 ± 0.948	0.66 ± 0.27	0.060 ± 0.013
8-10	42.13	7.400 ± 0.863	0.75 ± 0.33	0.048 ± 0.019
10-12	39.20	9.197 ± 0.934	0.87 ± 0.30	0.033 ± 0.020
12-14	36.36	11.138 ± 1.008	0.27 ± 0.19	0.005 ± 0.011
14-16	27.87	13.399 ± 1.253		0.037 ± 0.023
16-18	24.64	16.011 ± 1.358		0.031 ± 0.013
18-20	25.20	18.708 ± 1.340		

811-K8 (22°19.95'N, 120°15.28'E; 717 m; collected on October 14, 2006)

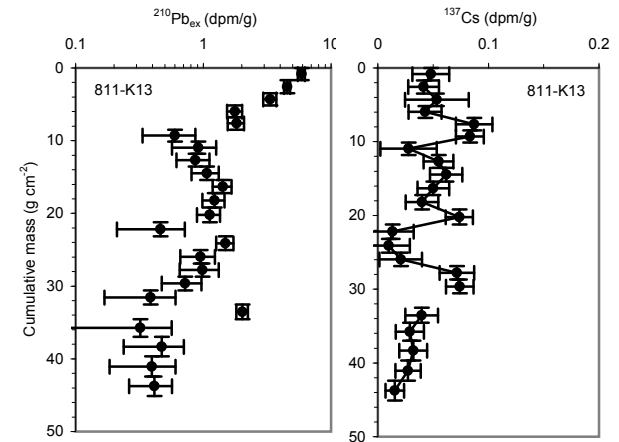
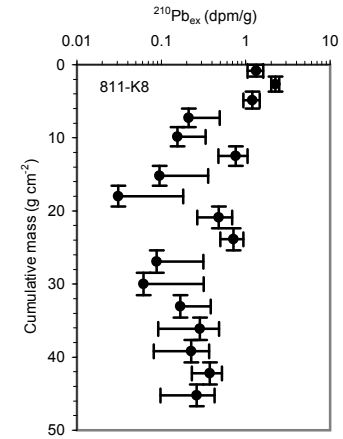
0-2	43.95	0.820 ± 0.820	1.33 ± 0.28
2-4	36.16	2.653 ± 1.013	2.24 ± 0.24
4-6	30.40	4.841 ± 1.175	1.20 ± 0.27
6-8	27.82	7.271 ± 1.255	0.21 ± 0.28



8-10	25.91	9.842 ± 1.316	0.15 ± 0.18
10-12	25.51	12.487 ± 1.329	0.76 ± 0.29
12-14	24.35	15.184 ± 1.368	0.09 ± 0.26
14-16	22.68	17.979 ± 1.426	0.03 ± 0.15
16-18	21.26	20.882 ± 1.477	0.48 ± 0.21
18-20	20.09	23.879 ± 1.520	0.72 ± 0.22
20-22	19.63	26.937 ± 1.538	0.09 ± 0.23
22-24	19.83	30.005 ± 1.530	0.06 ± 0.26
24-26	19.84	33.065 ± 1.530	0.17 ± 0.22
26-28	19.81	36.125 ± 1.531	0.29 ± 0.19
28-30	19.77	39.189 ± 1.532	0.23 ± 0.14
30-32	20.59	42.223 ± 1.502	0.38 ± 0.15
32-34	20.79	45.218 ± 1.494	0.26 ± 0.16

811-K13 (22°22.25'N, 120°19.08'E; 516 m; collected on October 14, 2006)

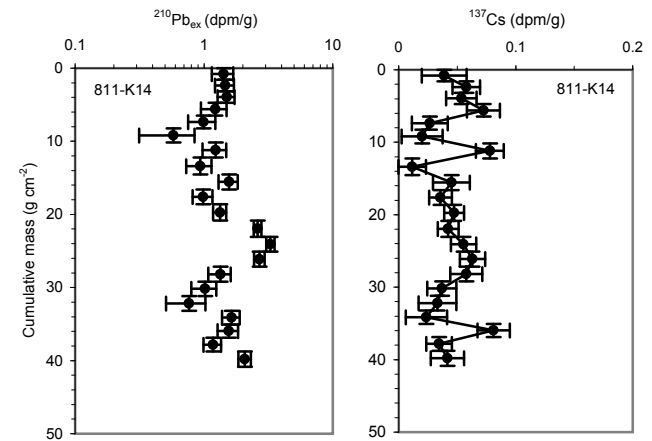
0-2	42.85	0.846 ± 0.846	5.87 ± 0.38	0.048 ± 0.017
2-4	41.07	2.579 ± 0.888	4.54 ± 0.25	0.041 ± 0.014
4-6	42.69	4.316 ± 0.849	3.34 ± 0.40	0.053 ± 0.029
6-8	44.82	5.966 ± 0.800	1.77 ± 0.24	0.043 ± 0.015
8-10	42.49	7.620 ± 0.854	1.82 ± 0.27	0.087 ± 0.016
10-12	44.20	9.289 ± 0.814	0.60 ± 0.27	0.083 ± 0.013
12-14	42.58	10.955 ± 0.852	0.91 ± 0.35	0.028 ± 0.026
14-16	41.86	12.676 ± 0.869	0.87 ± 0.25	0.055 ± 0.013
16-18	39.68	14.467 ± 0.922	1.06 ± 0.26	0.062 ± 0.015
18-20	39.77	16.309 ± 0.920	1.42 ± 0.24	0.050 ± 0.014
20-22	37.51	18.207 ± 0.977	1.22 ± 0.24	0.040 ± 0.015
22-24	35.81	20.206 ± 1.022	1.12 ± 0.23	0.074 ± 0.012
24-26	37.71	22.200 ± 0.972	0.46 ± 0.25	0.013 ± 0.019
26-28	39.11	24.109 ± 0.936	1.49 ± 0.23	0.010 ± 0.019
28-30	39.94	25.961 ± 0.916	0.95 ± 0.29	0.021 ± 0.019



30-32	39.92	27.793 ± 0.916	0.98 ± 0.33	0.071 ± 0.016
32-34	39.22	29.643 ± 0.934	0.72 ± 0.25	0.074 ± 0.012
34-36	37.71	31.549 ± 0.972	0.39 ± 0.22	
36-38	36.00	33.538 ± 1.017	2.02 ± 0.21	0.040 ± 0.015
38-40	29.43	35.759 ± 1.205	0.32 ± 0.24	0.029 ± 0.013
40-42	24.82	38.316 ± 1.352	0.47 ± 0.23	0.032 ± 0.013
42-44	24.09	41.046 ± 1.377	0.39 ± 0.21	0.027 ± 0.011
44-46	25.17	43.764 ± 1.341	0.41 ± 0.15	0.015 ± 0.008

811-K14 (22°20.75'N, 120°16.35'E; 581 m; collected on October 11, 2006)

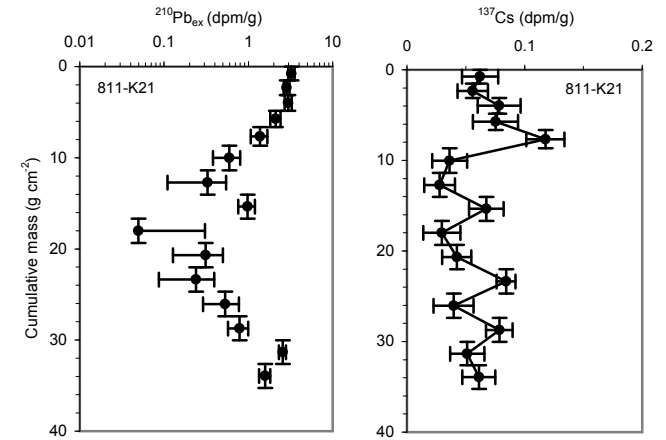
0-2	45.06	0.795 ± 0.795	1.42 ± 0.27	0.039 ± 0.019
2-4	45.36	2.377 ± 0.788	1.46 ± 0.24	0.058 ± 0.012
4-6	45.52	3.950 ± 0.784	1.50 ± 0.22	0.054 ± 0.013
6-8	42.04	5.599 ± 0.865	1.22 ± 0.28	0.072 ± 0.014
8-10	40.89	7.356 ± 0.892	0.99 ± 0.24	0.027 ± 0.015
10-12	38.39	9.203 ± 0.955	0.58 ± 0.26	0.020 ± 0.018
12-14	35.22	11.196 ± 1.038	1.23 ± 0.26	0.078 ± 0.012
14-16	31.51	13.376 ± 1.143	0.94 ± 0.21	0.011 ± 0.012
16-18	35.37	15.553 ± 1.034	1.57 ± 0.27	0.045 ± 0.016
18-20	35.96	17.605 ± 1.018	0.99 ± 0.17	0.036 ± 0.010
20-22	32.59	19.734 ± 1.111	1.33 ± 0.16	0.047 ± 0.008
22-24	32.83	21.950 ± 1.104	2.61 ± 0.18	0.042 ± 0.009
24-26	35.92	24.074 ± 1.019	3.28 ± 0.24	0.055 ± 0.011
26-28	35.50	26.123 ± 1.031	2.70 ± 0.26	0.063 ± 0.011
28-30	35.81	28.176 ± 1.022	1.35 ± 0.27	0.058 ± 0.014
30-32	37.30	30.181 ± 0.983	1.02 ± 0.23	0.037 ± 0.012
32-34	36.08	32.179 ± 1.015	0.77 ± 0.26	0.033 ± 0.016
34-36	39.40	34.123 ± 0.929	1.64 ± 0.26	0.024 ± 0.018
36-38	40.32	35.959 ± 0.906	1.55 ± 0.28	0.081 ± 0.014
38-40	38.68	37.812 ± 0.947	1.18 ± 0.18	0.035 ± 0.011



40-42 34.73 39.811 ± 1.051 2.08 ± 0.23 0.042 ± 0.014

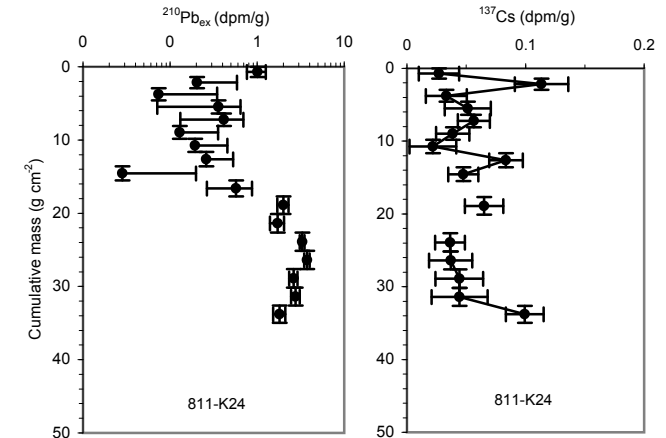
811-K21 (22°11.07'N, 120°07.58'E; 1440 m; collected on October 15, 2006)

0-2	46.68	0.759 ± 0.759	3.25 ± 0.28	0.062 ± 0.015
2-4	44.90	2.316 ± 0.798	2.84 ± 0.23	0.056 ± 0.013
4-6	42.23	3.974 ± 0.860	2.98 ± 0.29	0.078 ± 0.018
6-8	40.35	5.740 ± 0.906	2.11 ± 0.29	0.075 ± 0.019
8-10	36.28	7.656 ± 1.010	1.38 ± 0.31	0.118 ± 0.016
10-12	24.58	10.026 ± 1.360	0.59 ± 0.21	0.036 ± 0.015
12-14	25.73	12.708 ± 1.322	0.33 ± 0.22	0.028 ± 0.013
14-16	25.83	15.349 ± 1.319	0.98 ± 0.22	0.068 ± 0.015
16-18	25.37	18.002 ± 1.334	0.05 ± 0.25	0.030 ± 0.016
18-20	25.34	20.670 ± 1.335	0.31 ± 0.18	0.042 ± 0.012
20-22	24.93	23.354 ± 1.349	0.24 ± 0.15	0.084 ± 0.008
22-24	25.11	26.045 ± 1.342	0.53 ± 0.24	0.040 ± 0.017
24-26	25.59	28.714 ± 1.327	0.78 ± 0.21	0.079 ± 0.011
26-28	26.82	31.327 ± 1.287	2.55 ± 0.24	0.051 ± 0.014
28-30	25.96	33.928 ± 1.315	1.58 ± 0.24	0.061 ± 0.014



811-K24 (22°25.78'N, 120°23.88'E; 265 m; collected on October 14, 2006)

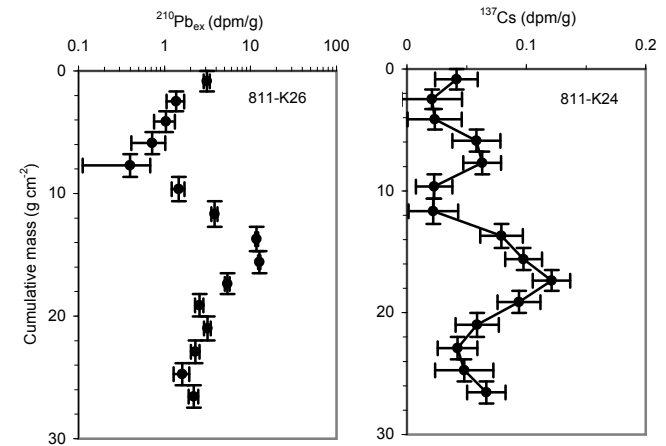
0-2	49.57	0.697 ± 0.697	1.01 ± 0.25	0.027 ± 0.017
2-4	46.28	2.161 ± 0.768	0.20 ± 0.38	0.113 ± 0.023
4-6	43.48	3.760 ± 0.831	0.07 ± 0.27	0.033 ± 0.017
6-8	41.18	5.476 ± 0.885	0.36 ± 0.29	0.051 ± 0.019
8-10	42.21	7.222 ± 0.861	0.41 ± 0.28	0.056 ± 0.013
10-12	41.90	8.951 ± 0.868	0.13 ± 0.23	0.039 ± 0.014
12-14	40.11	10.730 ± 0.911	0.19 ± 0.26	0.022 ± 0.020
14-16	37.69	12.615 ± 0.973	0.26 ± 0.27	0.084 ± 0.014
16-18	38.33	14.543 ± 0.956	0.03 ± 0.17	0.047 ± 0.013
18-20	33.23	16.593 ± 1.093	0.57 ± 0.31	



20-22	29.41	18.891 ± 1.205	2.00 ± 0.29	0.065 ± 0.016
22-24	27.00	21.377 ± 1.281	1.72 ± 0.31	
24-26	28.16	23.902 ± 1.244	3.29 ± 0.21	0.036 ± 0.013
26-28	28.40	26.382 ± 1.236	3.73 ± 0.27	0.037 ± 0.018
28-30	27.03	28.898 ± 1.280	2.62 ± 0.29	0.044 ± 0.020
30-32	29.03	31.395 ± 1.217	2.77 ± 0.32	0.044 ± 0.024
32-34	30.33	33.789 ± 1.177	1.81 ± 0.29	0.099 ± 0.016
34-36	27.07	36.245 ± 1.279		
36-38	24.04	38.902 ± 1.379		
38-40	23.33	41.685 ± 1.403		

811-K26 (22°15.83'N, 120°12.04'E; 901 m; collected on October 14, 2006)

0-2	43.25	0.836 ± 0.836	3.11 ± 0.26	0.041 ± 0.018
2-4	44.57	2.478 ± 0.806	1.37 ± 0.32	0.021 ± 0.025
4-6	42.80	4.131 ± 0.847	1.04 ± 0.28	0.023 ± 0.023
6-8	40.48	5.880 ± 0.903	0.72 ± 0.30	0.058 ± 0.020
8-10	39.57	7.708 ± 0.925	0.40 ± 0.28	0.063 ± 0.016
10-12	36.63	9.633 ± 1.000	1.46 ± 0.25	0.023 ± 0.015
12-14	35.31	11.669 ± 1.036	3.81 ± 0.32	0.022 ± 0.021
14-16	36.97	13.696 ± 0.991	11.77 ± 0.43	0.079 ± 0.018
16-18	40.39	15.592 ± 0.905	12.63 ± 0.35	0.098 ± 0.015
18-20	42.46	17.351 ± 0.855	5.38 ± 0.35	0.121 ± 0.016
20-22	40.13	19.117 ± 0.911	2.55 ± 0.28	0.094 ± 0.018
22-24	37.67	21.002 ± 0.973	3.17 ± 0.29	0.059 ± 0.018
24-26	39.53	22.901 ± 0.926	2.28 ± 0.26	0.042 ± 0.017
26-28	40.54	24.728 ± 0.901	1.61 ± 0.34	0.048 ± 0.024
28-30	39.95	26.544 ± 0.916	2.19 ± 0.29	0.066 ± 0.016

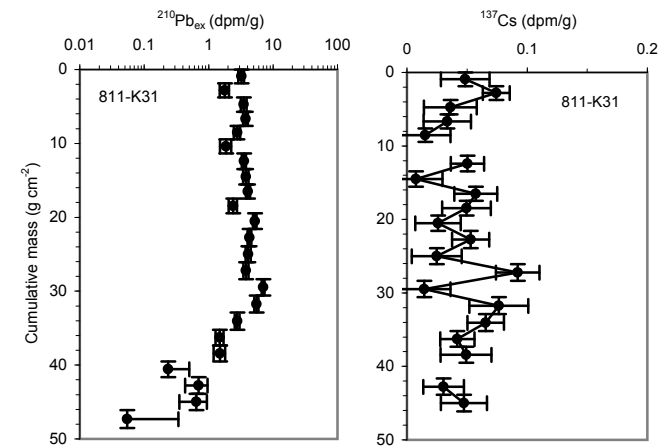


811-K31 (21°53.10'N, 120°11.50'E; 2008 m; collected on October 12, 2006)

0-2	39.35	0.930 ± 0.930	3.23 ± 0.33	0.049 ± 0.020
2-4	38.72	2.807 ± 0.946	1.78 ± 0.29	0.074 ± 0.011
4-6	37.22	4.738 ± 0.985	3.51 ± 0.35	0.036 ± 0.022
6-8	38.55	6.674 ± 0.951	3.74 ± 0.33	0.034 ± 0.020
8-10	39.90	8.541 ± 0.917	2.78 ± 0.32	0.015 ± 0.021
10-12	38.87	10.400 ± 0.942	1.87 ± 0.37	
12-14	34.21	12.408 ± 1.066	3.53 ± 0.27	0.050 ± 0.014
14-16	35.42	14.507 ± 1.033	3.79 ± 0.35	0.007 ± 0.022
16-18	38.38	16.494 ± 0.955	4.08 ± 0.31	0.057 ± 0.018
18-20	36.40	18.456 ± 1.006	2.40 ± 0.36	0.050 ± 0.020
20-22	34.50	20.520 ± 1.058	5.23 ± 0.33	0.026 ± 0.019
22-24	30.63	22.746 ± 1.168	4.30 ± 0.30	0.053 ± 0.015
24-26	33.73	24.994 ± 1.079	4.13 ± 0.36	0.025 ± 0.021
26-28	31.44	27.217 ± 1.145	3.81 ± 0.37	0.092 ± 0.018
28-30	32.55	29.475 ± 1.113	7.01 ± 0.34	0.014 ± 0.022
30-32	31.22	31.738 ± 1.151	5.51 ± 0.39	0.076 ± 0.024
32-34	30.86	34.051 ± 1.162	2.78 ± 0.25	0.066 ± 0.015
34-36	34.16	36.279 ± 1.067	1.49 ± 0.22	0.042 ± 0.014
36-38	33.77	38.425 ± 1.078	1.50 ± 0.30	0.049 ± 0.021
38-40	33.94	40.576 ± 1.073	0.23 ± 0.26	
40-42	32.55	42.762 ± 1.112	0.70 ± 0.27	0.030 ± 0.017
42-44	32.29	44.994 ± 1.120	0.64 ± 0.29	0.047 ± 0.019
44-46	29.24	47.324 ± 1.210	0.05 ± 0.29	n.d.

811-P8 (22°18.84'N, 120°16.11'E; 463 m; collected on October 14, 2006)

0-2	47.96	0.731 ± 0.731	2006.6	4.04 ± 0.27	0.085 ± 0.017
2-4	45.09	2.256 ± 0.794		4.38 ± 0.33	0.131 ± 0.014
4-6	41.98	3.916 ± 0.866		6.80 ± 0.33	0.011 ± 0.020
6-8	44.07	5.600 ± 0.817		4.35 ± 0.30	0.108 ± 0.016



8-10	44.60	7.222 ± 0.805		1.48 ± 0.29	0.087 ± 0.014
10-12	38.86	8.970 ± 0.943		0.75 ± 0.27	0.058 ± 0.014
12-14	37.65	10.887 ± 0.974		5.31 ± 0.26	0.079 ± 0.014
14-16	41.21	12.745 ± 0.885		1.65 ± 0.30	0.086 ± 0.017
16-18	38.83	14.573 ± 0.944	2005.6	1.24 ± 0.26	0.095 ± 0.016
18-20	36.98	16.508 ± 0.991	2001.5	1.33 ± 0.32	0.035 ± 0.025
20-22	33.69	18.579 ± 1.080	1997.3	4.63 ± 0.29	0.018 ± 0.019
22-24	35.54	20.689 ± 1.029	1992.9	17.60 ± 0.37	0.106 ± 0.014
24-26	31.78	22.853 ± 1.135	1991.5	17.27 ± 0.43	0.061 ± 0.019
26-28	30.91	25.148 ± 1.160	1990.0	16.71 ± 0.33	0.084 ± 0.016
28-30	32.29	27.428 ± 1.120	1988.5	16.86 ± 0.53	
30-32	33.05	29.647 ± 1.098	1987.1	15.05 ± 0.37	0.053 ± 0.017
32-34	32.96	31.846 ± 1.101	1985.6	14.47 ± 0.33	0.068 ± 0.014
34-36	32.95	34.048 ± 1.101	1978.0	12.51 ± 0.36	0.058 ± 0.018
36-38	33.42	36.237 ± 1.088	1970.5	9.47 ± 0.34	0.004 ± 0.002
38-40	33.63	38.407 ± 1.082	1963.0	8.76 ± 0.38	0.140 ± 0.023
40-42	33.20	40.583 ± 1.094	1955.5	5.67 ± 0.27	0.053 ± 0.018

