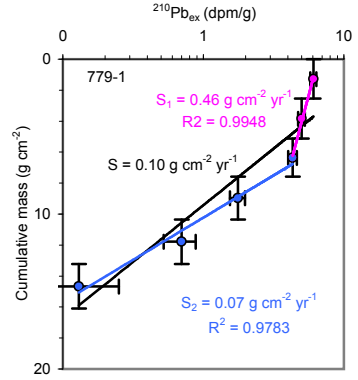
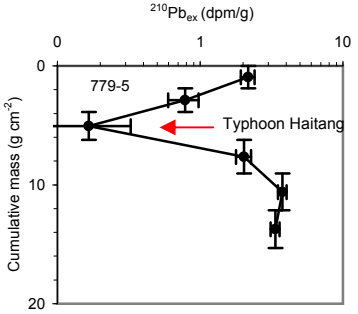
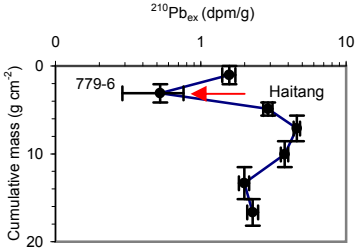
Downcore data on water content, cumulative mass, nuclide activities and sediment chronology

Depth (cm)	Content of water (%)	Cumulative mass* (g cm^{-2})	Mean deposition time (A.D.)**	$^{210}Pb_{ex}$ (dpm g^{-1})	^{137}Cs (dpm g^{-1})	
779-1 (22°33.77'N, 120°11.98'E; 133 m; collected on December 18, 2005)						
0-2	27.16	1.275 ± 1.275	2003.2	6.06 ± 0.30		
2-4	26.82	3.838 ± 1.287	1997.7	5.00 ± 0.27		
4-6	28.54	6.356 ± 1.232	1992.3	4.32 ± 0.30		
6-8	24.00	8.969 ± 1.380	1956.8	1.76 ± 0.21		
8-10	22.42	11.784 ± 1.435	1918.5	0.70 ± 0.18		
10-12	22.27	14.660 ± 1.441	1879.4	0.13 ± 0.12		
779-4 (22°27.97'N, 120°20.04'E; 19 m; collected on December 18, 2005)						
0-2	22.41	1.436 ± 1.436		1.25 ± 0.20		
2-4	21.91	4.325 ± 1.454		0.77 ± 0.19		
4-6	26.80	7.065 ± 1.287		0.85 ± 0.17		
779-5 (22°26.47'N, 120°19.60'E; 31 m; collected on December 18, 2005)						
0-2	38.68	0.947 ± 0.947		2.17 ± 0.24		
2-4	36.78	2.891 ± 0.996		0.79 ± 0.19		
4-6	30.72	5.054 ± 1.166	**2005.6**	0.17 ± 0.16	← Typhoon Haitang	
6-8	23.02	7.634 ± 1.414		2.03 ± 0.25		
8-10	19.25	10.600 ± 1.552		3.76 ± 0.26		
10-12	18.59	13.729 ± 1.577		3.36 ± 0.25		
779-6 (22°27.7'N, 120°17.15'E; 44 m; collected on December 18, 2005)						
0-2	35.45	1.032 ± 1.032		1.57 ± 0.17		
2-4	35.09	3.105 ± 1.042	**2005.6**	0.52 ± 0.24	← Typhoon Haitang	
4-6	47.33	4.892 ± 0.745		2.90 ± 0.22		
6-8	21.76	7.095 ± 1.459		4.58 ± 0.23		
8-10	21.04	10.039 ± 1.485		3.78 ± 0.22		



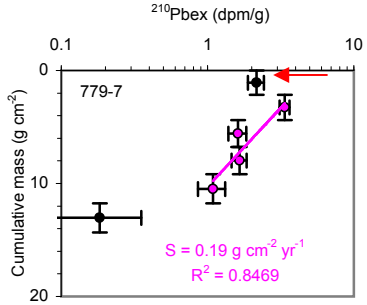




10-12	12.93	13.337 ± 1.813		1.99 ± 0.16
12-14	20.43	16.657 ± 1.507		2.28 ± 0.19

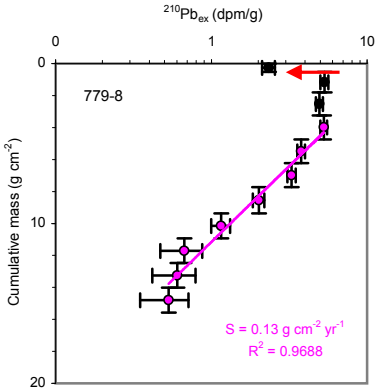
779-7 (22°27.21'N, 120°14.78'E; 148 m; collected on December 18, 2005)

0-2	33.97	1.072 ± 1.072	**2005.6**	2.16 ± 0.27 ← Typhoon Haitang
2-4	32.14	3.269 ± 1.124		3.37 ± 0.27
4-6	30.18	5.575 ± 1.182		1.62 ± 0.23
6-8	29.04	7.974 ± 1.217		1.66 ± 0.19
8-10	26.80	10.477 ± 1.287		1.09 ± 0.23
10-12	27.05	13.044 ± 1.279		0.18 ± 0.17



779-8 (22°24.63'N, 120°16.65'E; 145 m; collected on December 18, 2005)

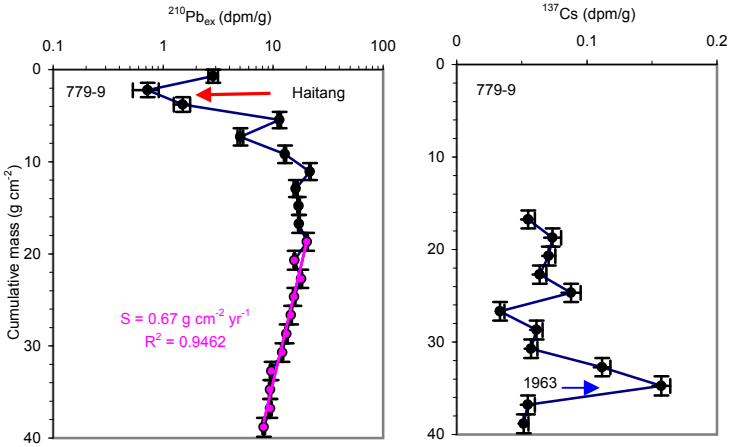
0-2	75.00	0.263 ± 0.263	**2005.6**	2.34 ± 0.22 ← Typhoon Haitang-induced turbidite
2-4	52.51	1.162 ± 0.637		5.33 ± 0.32
4-6	48.40	2.521 ± 0.722		4.95 ± 0.26
6-8	47.17	3.991 ± 0.748		5.27 ± 0.26
8-10	47.43	5.481 ± 0.742		3.78 ± 0.21
10-12	46.87	6.978 ± 0.755		3.28 ± 0.20
12-14	44.00	8.552 ± 0.819		2.02 ± 0.17
14-16	45.62	10.153 ± 0.782		1.16 ± 0.16
16-18	46.13	11.706 ± 0.771		0.67 ± 0.20
18-20	46.19	13.246 ± 0.770		0.60 ± 0.19
20-22	45.91	14.791 ± 0.776		0.53 ± 0.18



779-9 (22°22.80'N, 120°13.68'E; 302 m; collected on December 19, 2005)

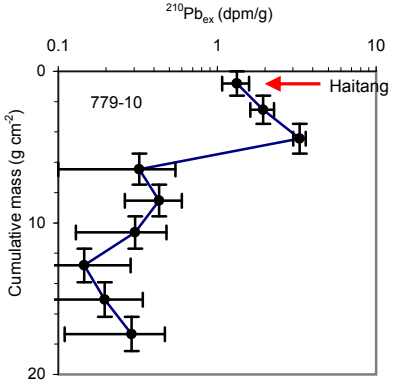
0-2	75.00	0.705 ± 0.705	2005.8	2.86 ± 0.29
2-4	52.51	2.208 ± 0.798	**2005.6**	0.72 ± 0.19 ← Typhoon Haitang-induced turbidite
4-6	48.40	3.801 ± 0.795	2003.8	1.51 ± 0.26
6-8	47.17	5.473 ± 0.877	2001.9	11.37 ± 0.40
8-10	47.43	7.291 ± 0.941	1999.8	5.05 ± 0.31

10-12	45.15	9.191 ± 0.960	1997.7	12.83 ± 0.26	
12-14	44.47	11.071 ± 0.920	1995.5	21.61 ± 0.41	
14-16	44.86	12.918 ± 0.927	1993.4	16.03 ± 0.70	
16-18	44.86	14.818 ± 0.973	1991.2	17.05 ± 0.49	
18-20	44.48	16.759 ± 0.968	1989.0	17.19 ± 0.37	0.055 ± 0.005
20-22	44.26	18.703 ± 0.976	1986.8	20.28 ± 0.41	0.074 ± 0.007
22-24	43.35	20.700 ± 1.021	1983.8	15.63 ± 0.30	0.071 ± 0.005
24-26	43.17	22.712 ± 0.991	1980.8	17.97 ± 0.36	0.064 ± 0.005
26-28	43.62	24.682 ± 0.980	1977.9	15.51 ± 0.41	0.088 ± 0.007
28-30	42.76	26.671 ± 1.008	1975.0	14.53 ± 0.29	0.033 ± 0.003
30-32	42.23	28.694 ± 1.015	1972.0	13.22 ± 0.32	0.061 ± 0.005
32-34	42.63	30.725 ± 1.015	1969.0	12.10 ± 0.29	0.057 ± 0.005
34-36	43.39	32.728 ± 0.987	1966.0	9.63 ± 0.28	0.112 ± 0.006
36-38	43.51	34.739 ± 1.024	**1963.0**	9.37 ± 0.23	0.157 ± 0.007 ← 1963 nuclear fallout max.
38-40	43.30	36.789 ± 1.027	1960.0	9.36 ± 0.33	0.055 ± 0.005
40-42	43.05	38.835 ± 1.019	1956.9	8.21 ± 0.23	0.051 ± 0.004



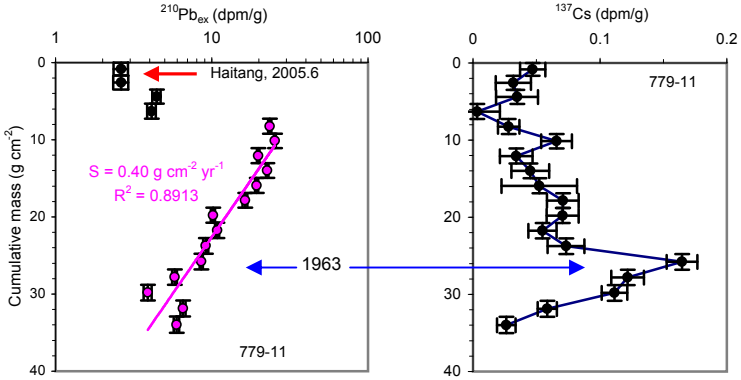
779-10 (22°20.34'N, 120°10.96'E; 511 m; collected on December 19, 2005)

0-2	44.80	0.801 ± 0.801	**2005.6**	1.33 ± 0.26	← Typhoon Haitang
2-4	39.52	2.527 ± 0.926		1.94 ± 0.33	
4-6	37.17	4.440 ± 0.986		3.31 ± 0.30	
6-8	35.61	6.454 ± 1.028		0.32 ± 0.22	
8-10	35.04	8.524 ± 1.043		0.43 ± 0.17	
10-12	34.24	10.633 ± 1.065		0.30 ± 0.17	
12-14	32.60	12.809 ± 1.111		0.15 ± 0.14	
14-16	31.68	15.057 ± 1.137		0.20 ± 0.14	
16-18	31.79	17.329 ± 1.135		0.29 ± 0.18	



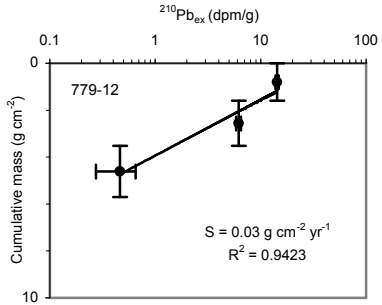
779-11 (22°17.21'N, 120°8.37'E; 767 m; collected on December 19, 2005)

0-2	43.36	0.834 ± 0.834	2005.8	2.63 ± 0.27	0.0470 ± 0.0100
2-4	40.01	2.581 ± 0.914	**2005.6**	2.63 ± 0.29	0.0318 ± 0.0139 ← Typhoon Haitang
4-6	40.51	4.397 ± 0.902	2002.3	4.43 ± 0.27	0.0347 ± 0.0165
6-8	37.02	6.289 ± 0.990	1998.8	4.11 ± 0.25	0.0033 ± 0.0179
8-10	38.06	8.242 ± 0.963	1995.2	23.52 ± 0.59	0.0280 ± 0.0085
10-12	38.98	10.145 ± 0.940	1991.7	25.35 ± 0.34	0.0658 ± 0.0121
12-14	37.56	12.061 ± 0.976	1988.2	19.84 ± 0.39	0.0341 ± 0.0129
14-16	38.19	13.997 ± 0.960	1984.7	22.62 ± 0.43	0.0451 ± 0.0148
16-18	37.95	15.922 ± 0.966	1981.1	19.38 ± 0.43	0.0522 ± 0.0298
18-20	38.04	17.852 ± 0.964	1977.6	16.32 ± 0.58	0.0707 ± 0.0125
20-22	38.15	19.777 ± 0.961	1974.0	10.17 ± 0.33	0.0706 ± 0.0126
22-24	37.00	21.728 ± 0.991	1970.4	10.84 ± 0.33	0.0547 ± 0.0111
24-26	36.01	23.736 ± 1.017	1966.8	9.16 ± 0.34	0.0733 ± 0.0144
26-28	35.77	25.776 ± 1.023	**1963.0**	8.56 ± 0.20	0.1646 ± 0.0121 ←1963 fallout max.
28-30	36.92	27.792 ± 0.993	1957.9	5.77 ± 0.20	0.1217 ± 0.0129
30-32	36.08	29.799 ± 1.015	1952.9	3.89 ± 0.23	0.1115 ± 0.0101
32-34	34.61	31.869 ± 1.055	1947.7	6.55 ± 0.25	0.0585 ± 0.0075
34-36	34.82	33.973 ± 1.049	1942.4	5.95 ± 0.23	0.0262 ± 0.0073



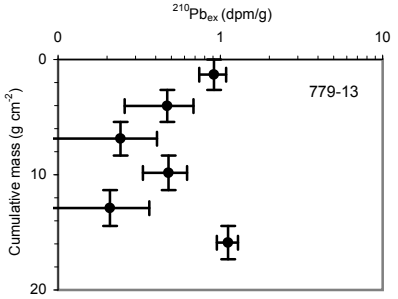
779-12 (22°14.20'N, 120°7.21'E; 689 m; collected on December 19, 2005)

0-2	44.78	0.801 ± 0.801	1981.1	14.31 ± 0.53
2-4	38.21	2.561 ± 0.959	1926.3	6.18 ± 0.33
4-6	33.26	4.613 ± 1.092	1862.6	0.46 ± 0.19



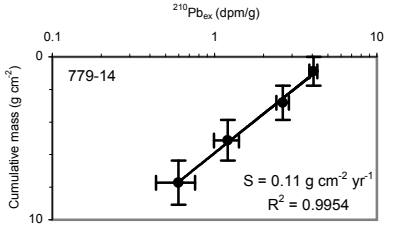
779-13 (22°12.69'N, 120°9.48'E; 1358 m; collected on December 19, 2005)

0-2	25.86	1.318 ± 1.318		0.91 ± 0.17
2-4	23.51	4.033 ± 1.397		0.47 ± 0.21
4-6	22.15	6.875 ± 1.445		0.24 ± 0.16
6-8	20.46	9.826 ± 1.506		0.48 ± 0.15
8-10	19.14	12.889 ± 1.556		0.21 ± 0.16
10-12	22.22	15.887 ± 1.442		1.12 ± 0.17



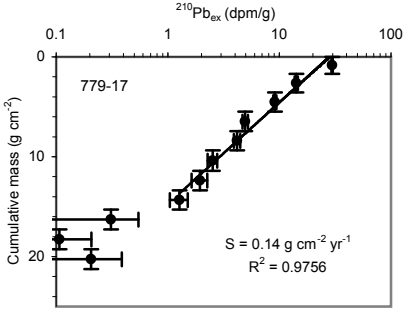
779-14 (22°11.07'N, 120°7.66'E; 1433 m; collected on December 19, 2005)

0-2	41.36	0.881 ± 0.881	1997.8	4.06 ± 0.24
2-4	34.56	2.818 ± 1.056	1979.9	2.63 ± 0.24
4-6	28.02	5.122 ± 1.248	1958.5	1.20 ± 0.21
6-8	24.93	7.719 ± 1.349	1934.5	0.60 ± 0.16



779-17 (22°5.76'N, 120°0.82'E; 1196 m; collected on December 20, 2005)

0-2	42.88	0.845 ± 0.845	1999.8	29.62 ± 0.35
2-4	39.20	2.624 ± 0.934	1987.0	14.19 ± 0.45
4-6	38.17	4.518 ± 0.960	1973.2	9.10 ± 0.27
6-8	37.19	6.464 ± 0.986	1959.1	4.94 ± 0.27
8-10	38.20	8.409 ± 0.960	1945.0	4.18 ± 0.27
10-12	35.93	10.388 ± 1.019	1930.7	2.53 ± 0.25
12-14	37.69	12.380 ± 0.973	1916.3	1.94 ± 0.31
14-16	37.67	14.326 ± 0.973	1902.2	1.28 ± 0.24
16-18	37.34	16.281 ± 0.982		0.31 ± 0.24
18-20	36.79	18.258 ± 0.996		0.11 ± 0.10
20-22	36.67	20.254 ± 0.999		0.21 ± 0.18



* Cumulative mass is integrated from the core top to the mid-depth of each sampling interval.

** Chronologies are established from ^{210}Pb decay in hemipelagic sediments and constrained by ^{137}Cs stratigraphy where available.