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Table DR 1. ^{10}Be Data for Incoming Sediments (DSDP 436) and Forearc Sediments (DSDP Site 434) of the NE Japan Margin

Sample I.D.	Depth, mbsf	^{10}Be, 10^6 a cm^{-3}	^{10}Be Model Age, m.y.
DSDP 436			
436-1-2, 70-71	2.2	1,299	
436-1-3, 69-70	3.7	1,207	0.16
436-3-2, 80-18	19.8	1160	0.25
436-5-4, 30-31	41.3	1,011	0.54
436-6-4, 70-71	51.2	911	0.77
436-8-4, 70-71	70.2	705	1.3
436-10-2, 68-69	86.2	619	1.6
436-13-2, 70-71	114.8	524	2.0
436-13-2, 77-78	115	454	2.2
436-17-3, 52-54	154	220	3.8
436-20-1, 100-102	180	160	4.5
436-24-1, 70-72	217.7	129	5.0
436-27-1, 40-42	245.9	95	5.7
DSDP 434			
434-1-1, 74-75	0.74	719	1.3
434-1-3, 33-34	3.3	654	1.5
434-2-2, 26-27	8.3	503	2.05
434-7-1, 14-15	54.1	35	2.8
434-13-cc, 21-22	111.2	268	3.4
434-15-1, 40-42	130.4	607	1.6
434-15-2, 61-63	132.1	515	2
434-16-1, 91-93	140.4	415	2.5
434-22-1, 136-138	197.9	234	3.7
434-28-1, 130-132	254.8	74	6.2
434-29-1, 46-48	263.5	151	4.7
434-29-1, 109-111	264.1	18	4.3
434-30-1, 102-104	273.5	214	3.9
434-33-2, 80-82	296.8	441	2.4

Note: Sample I.D. and depth from Init. Repts. DSDP 56,57.
^{10}Be detection limits are <1 million a/cm^3 wet sample.
External reproducibility is +/- 3% (1 sigma) at concentrations above 100 x 10^6 a cm^{-3}
^{10}Be model ages calculated from radioactive decay equation: $N=N_o (e^{-\lambda t})$, where N_o assumed to be 1,299 million a $cm^{-3}$and ^{10}Be decay constant, lambda, is 1.496 x 10^{-7}

Table DR 2. ^{10}Be concentrations for ODP Leg 170, Site 1040.

Hole	Core	Sec	Interval	mbsf	^{10}Be, 10^6 a cm^{-3}	1 sigma, %
B	2H	4	29-34	10.3	378.3	6.4
B	4H	4	74-79	18.7	704.3	4.8
B	6X	2	33-39	38.2	10.5	58.3
B	9X	5	2-7	70.5	213.9	7.0
B	15X	3	84-89	117.2	104.8	12.0
B	17X	2	65-70	134.7	59.6	9.0
B	19X	3	135-140	156.0	113.5	5.7
B	21X	5	137-144	177.7	112.1	10.1
C	3R	4	29-35	183.2	43.8	20.7
C	5R	2	36-42	199.5	2.6	200.0
C	7R	4	63-68	222.0	45.9	20.4
C	10R	1	105-110	246.9	116.8	10.9
C	13R	3	117-122	278.9	66.4	15.5
C	16R	1	81-86	304.5	43.5	17.6
C	17R	2	83-88	315.6	42.2	21.7
C	18R	1	31-36	323.3	86.1	9.9
C	20R	1	117-123	343.4	37.4	22.9
C	21R	2	51-56	353.8	52.9	48.3
Décollement						
C	23R	3	33-35	374.3	2991.6	0.5
C	25R	5	119-124	397.4	2765.0	0.5
C	27R	5	17-20	415.6	2091.0	5.1
C	31R	4	80-83	453.1	622.4	6.7
C	33R	7	9-11	476.1	287.7	11.8
C	36R	1	16-21	496.2	105.7	41
C	39R	1	100-102	525.9	0.6	6.4