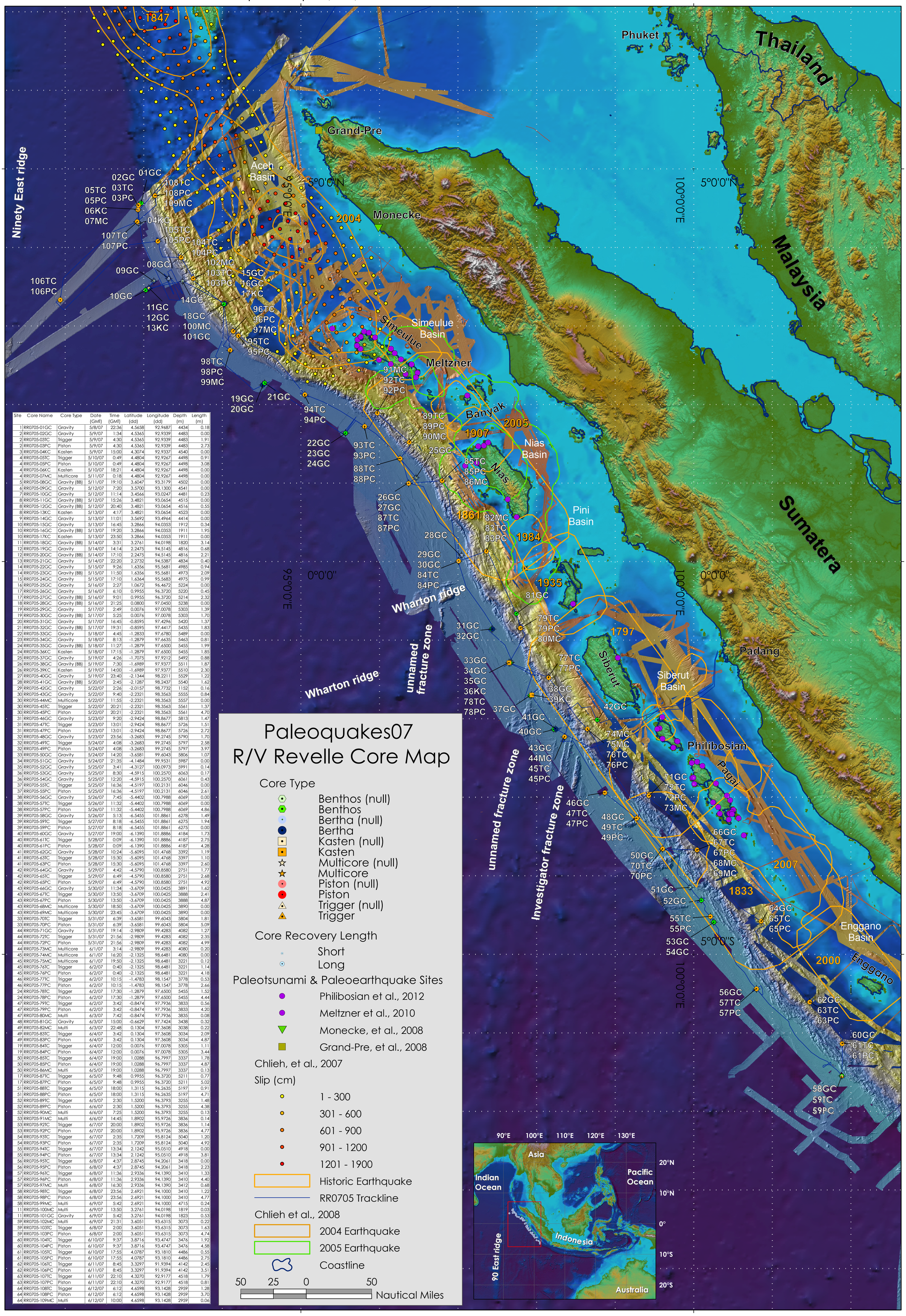
Supplemental File S1. Core Map and Core Table.

Citation:
Patton, J.R., Goldfinger, C., Morey, A.E., Ikehara, K., Romsos, C., Stoner, J., Djadjadihardja, Y., Udrekh, Ardhyastuti, S., Gaffar, E.Z., and Viscaino, A., 2015, A 6500 year earthquake history in the region of the 2004 Sumatra-Andaman subduction zone earthquake: Geosphere, v. 11, doi:10.1130/GES01066.1.



Site	Core Name	Core Type	Date (GMT)	Time (GMT)	Latitude (dd)	Longitude (dd)	Depth (m)	Length (m)
1	RR0705-01GC	Gravity	5/8/07	22:36	4.5658	92.9687	4434	0.18
2	RR0705-02GC	Gravity	5/9/07	1:34	4.5365	92.9339	4483	0.00
2	RR0705-03TC	Trigger	5/9/07	4:30	4.5365	92.9339	4483	1.91
2	RR0705-03PC	Piston	5/9/07	4:30	4.5365	92.9339	4483	2.73
3	RR0705-04KC	Kasten	5/9/07	15:00	4.3074	92.9337	4540	0.00
4	RR0705-05TC	Trigger	5/10/07	0:49	4.4804	92.9267	4498	0.91
4	RR0705-05PC	Piston	5/10/07	0:49	4.4804	92.9267	4498	3.08
4	RR0705-06KC	Kasten	5/10/07	18:21	4.4804	92.9267	4498	0.00
4	RR0705-07MC	Multicore	5/11/07	0:18	4.4804	92.9267	4498	0.00
5	RR0705-08GC	Gravity (BB)	5/11/07	19:10	3.6047	93.3179	4502	0.00
6	RR0705-09GC	Gravity	5/12/07	7:20	3.5700	93.1300	4541	0.00
7	RR0705-10GC	Gravity	5/12/07	11:14	3.4566	93.0247	4481	0.23
8	RR0705-11GC	Gravity (BB)	5/12/07	15:26	3.4821	93.0654	4515	0.00
8	RR0705-12GC	Gravity (BB)	5/12/07	20:40	3.4821	93.0654	4516	0.55
8	RR0705-13KC	Kasten	5/13/07	4:17	3.4821	93.0654	4523	0.00
9	RR0705-14GC	Gravity	5/13/07	11:01	3.5692	93.4964	4414	0.00
10	RR0705-15GC	Gravity	5/13/07	16:45	3.2866	94.0353	1912	0.34
10	RR0705-16GC	Gravity (BB)	5/13/07	19:20	3.2866	94.0353	1911	1.95
10	RR0705-17KC	Kasten	5/13/07	23:50	3.2866	94.0353	1911	0.00
11	RR0705-18GC	Gravity (BB)	5/14/07	3:31	3.2761	94.0198	1820	3.14
12	RR0705-19GC	Gravity	5/14/07	14:14	2.2475	94.5145	4816	0.68
12	RR0705-20GC	Gravity (BB)	5/14/07	17:10	2.2475	94.5145	4816	2.21
13	RR0705-21GC	Gravity	5/14/07	22:20	2.2732	94.5387	4834	0.40
14	RR0705-22GC	Gravity	5/15/07	9:26	1.6356	95.5681	4985	0.94
14	RR0705-23GC	Gravity (BB)	5/15/07	11:50	1.6356	95.5681	4973	2.09
15	RR0705-24GC	Gravity	5/15/07	17:10	1.6364	95.5683	4975	0.99
16	RR0705-25GC	Gravity	5/16/07	2:27	1.0672	96.4672	5224	0.00
17	RR0705-26GC	Gravity	5/16/07	6:10	0.9955	96.3720	5220	0.45
17	RR0705-27GC	Gravity (BB)	5/16/07	9:01	0.9955	96.3720	5214	2.32
18	RR0705-28GC	Gravity (BB)	5/16/07	21:25	0.0800	97.0450	5238	0.00
19	RR0705-29GC	Gravity	5/17/07	2:49	0.0076	97.0078	5303	1.39
19	RR0705-30GC	Gravity (BB)	5/17/07	5:25	0.0076	97.0078	5303	1.70
20	RR0705-31GC	Gravity	5/17/07	16:45	-0.8595	97.4296	5420	1.37
21	RR0705-32GC	Gravity (BB)	5/17/07	19:31	-0.8595	97.4417	5435	1.83
22	RR0705-33GC	Gravity	5/18/07	4:45	-1.2833	97.6780	5489	0.00
23	RR0705-34GC	Gravity	5/18/07	8:13	-1.2879	97.6635	5463	0.81
24	RR0705-35GC	Gravity (BB)	5/18/07	11:27	-1.2879	97.6500	5455	1.99
24	RR0705-36KC	Kasten	5/18/07	17:15	-1.2879	97.6500	5455	1.85
25	RR0705-37GC	Gravity	5/19/07	4:26	-1.7075	97.9212	5492	0.88
26	RR0705-38GC	Gravity (BB)	5/19/07	7:30	-1.6989	97.9377	5511	1.87
26	RR0705-39KC	Kasten	5/19/07	14:00	-1.6989	97.9377	5510	2.30
27	RR0705-40GC	Gravity	5/19/07	23:40	-2.1344	98.2211	5529	1.22
28	RR0705-41GC	Gravity (BB)	5/20/07	2:45	-2.1287	98.2437	5540	1.62
29	RR0705-42GC	Gravity	5/22/07	2:26	-2.0157	98.7732	1152	0.16
30	RR0705-43GC	Gravity	5/22/07	9:40	-2.2321	98.3563	5555	0.84
30	RR0705-44MC	Multicore	5/22/07	11:55	-2.2321	98.3563	5557	0.00
30	RR0705-45TC	Trigger	5/22/07	20:21	-2.2321	98.3563	5561	1.37
30	RR0705-45PC	Piston	5/22/07	20:21	-2.2321	98.3563	5561	4.70
31	RR0705-46GC	Gravity	5/23/07	9:20	-2.9424	98.8677	5813	1.47
31	RR0705-47TC	Trigger	5/23/07	13:01	-2.9424	98.8677	5726	1.51
31	RR0705-47PC	Piston	5/23/07	13:01	-2.9424	98.8677	5726	2.72
32	RR0705-48GC	Gravity	5/23/07	23:56	-3.2683	99.2745	5790	1.70
32	RR0705-49TC	Trigger	5/24/07	4:08	-3.2683	99.2745	5797	2.58
32	RR0705-49PC	Piston	5/24/07	4:08	-3.2683	99.2745	5797	3.97
33	RR0705-50GC	Gravity	5/24/07	14:20	-3.6581	99.6043	5806	1.07
34	RR0705-51GC	Gravity	5/24/07	21:35	-4.1484	99.9531	5987	0.00
35	RR0705-52GC	Gravity	5/25/07	3:41	-4.3127	100.0973	5991	0.14
36	RR0705-53GC	Gravity	5/25/07	8:30	-4.5915	100.2570	6063	0.17
36	RR0705-54GC	Gravity	5/25/07	12:20	-4.5915	100.2570	6061	0.43
37	RR0705-55TC	Trigger	5/25/07	16:36	-4.5197	100.2131	6046	0.00
37	RR0705-55PC	Piston	5/25/07	16:36	-4.5197	100.2131	6046	2.61
38	RR0705-56GC	Gravity	5/26/07	7:45	-5.4402	100.7988	6069	0.00
38	RR0705-57TC	Trigger	5/26/07	11:32	-5.4402	100.7988	6069	0.00
38	RR0705-57PC	Piston	5/26/07	11:32	-5.4402	100.7988	6069	4.86
39	RR0705-58GC	Gravity	5/26/07	5:13	-6.5455	101.8861	6278	1.49
39	RR0705-59TC	Trigger	5/27/07	8:18	-6.5455	101.8861	6275	1.94
39	RR0705-59PC	Piston	5/27/07	8:18	-6.5455	101.8861	6275	0.00
40	RR0705-60GC	Gravity	5/27/07	19:00	-6.1390	101.8886	4184	1.73
40	RR0705-61TC	Trigger	5/28/07	0:09	-6.1390	101.8886	4187	2.75
40	RR0705-61PC	Piston	5/28/07	0:09	-6.1390	101.8886	4187	4.28
41	RR0705-62GC	Gravity	5/28/07	10:24	-5.6095	101.4768	3392	1.19
41	RR0705-63TC	Trigger	5/28/07	15:30	-5.6095	101.4768	3397	1.10
41	RR0705-63PC	Piston	5/28/07	15:30	-5.6095	101.4768	3397	2.60
42	RR0705-64GC	Gravity	5/29/07	4:42	-4.5790	100.8580	2751	1.77
42	RR0705-65TC	Trigger	5/29/07	6:49	-4.5790	100.8580	2751	2.68
42	RR0705-65PC	Piston	5/29/07	6:49	-4.5790	100.8580	2751	4.92
43	RR0705-66GC	Gravity	5/30/07	11:34	-3.6709	100.0425	3891	1.62
43	RR0705-67TC	Trigger	5/30/07	13:50	-3.6709	100.0425	3888	2.41
43	RR0705-67PC	Piston	5/30/07	13:50	-3.6709	100.0425	3888	4.87
43	RR0705-68MC	Multicore	5/30/07	18:50	-3.6709	100.0425	3890	0.00
43	RR0705-69MC	Multicore	5/30/07	23:45	-3.6709	100.0425	3890	0.00
33	RR0705-70TC	Trigger	5/31/07	6:39	-3.6581	99.6043	5804	1.81
33	RR0705-70PC	Piston	5/31/07	6:39	-3.6581	99.6043	5804	5.09
44	RR0705-71GC	Gravity	5/31/07	19:14	-2.9809	99.4283	4082	1.27
44	RR0705-72TC	Trigger	5/31/07	21:56	-2.9809	99.4283	4082	2.35
44	RR0705-72PC	Piston	5/31/07	21:56	-2.9809	99.4283	4082	4.99
44	RR0705-73MC	Multicore	6/1/07	3:14	-2.9809	99.4283	4080	0.20
45	RR0705-74MC	Multicore	6/1/07	16:20	-2.1325	98.6481	4080	0.00
45	RR0705-75MC	Multicore	6/1/07	19:50	-2.1325	98.6481	3221	0.12
45	RR0705-76TC	Trigger	6/2/07	0:40	-2.1325	98.6481	3221	1.14
45	RR0705-76PC	Piston	6/2/07	0:40	-2.1325	98.6481	3221	4.18
46	RR0705-77TC	Trigger	6/2/07	10:15	-1.4783	98.1547	3778	0.53
46	RR0705-77PC	Piston	6/2/07	10:15	-1.4783	98.1547	3778	2.66
24	RR0705-78TC	Trigger	6/2/07	17:30	-1.2879	97.6500	5455	1.52
24	RR0705-78PC	Piston	6/2/07	17:30	-1.2879	97.6500	5455	4.44
47	RR0705-79TC	Trigger	6/2/07	3:42	-0.8474	97.7936	3833	0.56
47	RR0705-79PC	Piston	6/2/07	3:42	-0.8474	97.7936	3833	4.20
47	RR0705-80MC	Multi	6/3/07	7:42	-0.8474	97.7936	3835	0.08
48	RR0705-81GC	Gravity	6/3/07	15:00	-0.6629	97.7424	3438	0.32
49	RR0705-82MC	Multi	6/3/07	22:48	0.1304	97.3608	3038	0.22
49	RR0705-83TC	Trigger	6/4/07	3:42	0.1304	97.3608	3034	2.09
49	RR0705-83PC	Piston	6/4/07	3:42	0.1304	97.3608	3034	4.87
19	RR0705-84TC	Trigger	6/4/07	12:00	0.0076	97.0078	5305	1.11
19	RR0705-84PC	Piston	6/4/07	12:00	0.0076	97.0078	5305	3.44
50	RR0705-85TC	Trigger	6/4/07	19:00	1.0288	96.7997	3337	1.78
50	RR0705-85PC	Piston	6/4/07	19:00	1.0288	96.7997	3337	4.87
50	RR0705-86MC	Multi	6/5/07	19:00	1.0288	96.7997	3337	0.13
17	RR0705-87TC	Trigger	6/5/07	9:48	0.9955	96.3720	5211	0.77
17	RR0705-87PC	Piston	6/5/07	9:48	0.9955	96.3720	5211	5.02
51	RR0705-88TC	Trigger	6/5/07	18:00	1.3115	96.2635	5197	0.91
51	RR0705-88PC	Piston	6/5/07	18:00	1.3115	96.2635	5197	4.71
52	RR0705-89TC	Trigger	6/5/07	2:30	1.5200	96.3793	3255	1.48
52	RR0705-89PC	Piston	6/6/07	2:30	1.5200	96.3793	3255	4.38
52	RR0705-90MC	Multi	6/6/07	7:25	1.5200	96.3793	3255	0.13
53	RR0705-91MC	Multi	6/6/07	14:45	1.8902	95.9726	3836	0.14
53	RR0705-92TC	Trigger	6/7/07	20:00	1.8902	95.9726	3836	1.14
53	RR0705-92PC	Piston	6/7/07	20:00	1.8902	95.9726	3836	4.77
54	RR0705-93TC	Trigger	6/7/07	2:35	1.7209	95.8124	5040	1.20
54	RR0705-93PC	Piston	6/7/07	2:35	1.7209	95.8124	5040	4.92
55	RR0705-94TC	Trigger	6/7/07	13:34	2.1242	95.0510	4918	0.00
55	RR0705-94PC	Piston	6/7/07	13:34	2.1242	95.0510	4918	3.81
56	RR0705-95TC	Trigger	6/8/07	4:37	2.8745	94.2061	3418	0.00
56	RR0705-95PC	Piston	6/8/07	4:37	2.8745	94.2061	3418	2.23
57	RR0705-96TC	Trigger	6/8/07	11:36	2.9336	94.1390	3410	1.33
57	RR0705-96PC	Piston	6/8/07	11:36	2.9336	94.1390	3410	4.40
57	RR0705-97MC	Multi	6/8/07	16:30	2.9336	94.1390	3412	0.68
58	RR0705-98TC	Trigger	6/8/07	23:56	2.6921	94.1000	3410	1.22
58	RR0705-98PC	Piston	6/8/07	23:56	2.6921	94.1000	3410	4.77
58	RR0705-99MC	Multi	6/9/07	5:42	2.6921	94.1000	4715	0.24
11	RR0705-100MC	Multi	6/9/07	13:50	3.2761	94.0198	1819	0.03
11	RR0705-101GC	Gravity	6/9/07	5:42	3.2761	94.0198	1823	0.53
59	RR0705-102MC	Multi	6/9/07	21:31	3.6051	93.6315	3073	0.22
59	RR0705-103TC	Trigger	6/8/07	2:00	3.6051	93.6315	3073	1.63
59	RR0705-103PC	Piston	6/8/07	2:00	3.6051	93.6315	3073	4.74
60	RR0705-104TC	Trigger	6/10/07	9:37	3.8716	93.4747	3476	1.92
60	RR0705-104PC	Piston	6/10/07	9:37	3.8716	93.4747	3476	4.58
61	RR0705-105TC	Trigger	6/10/07	17:55	4.0787	93.1810	4486	0.55
61	RR0705-105PC	Piston	6/10/07	17:55	4.0787	93.1810	4486	2.75
62	RR0705-106TC	Trigger	6/11/07	8:45	3.3297	91.9394	4142	2.45
62	RR0705-106PC	Piston	6/11/07	8:45	3.3297	91.9394	4142	3.51
63	RR0705-107TC	Trigger	6/11/07	22:10	4.3270	92.9177	4518	1.79
63	RR0705-107PC	Piston	6/11/07	22:10	4.3270	92.9177	4518	0.81
64	RR0705-108TC	Trigger	6/12/07	6:12	4.6598	93.1428	2959	1.28
64	RR0705-108PC	Piston	6/12/07	6:12	4.6598	93.1428	2959	3.70
64	RR0705-109MC	Multi	6/12/07	10:00	4.6598	93.1428	2959	0.06

Paleoquakes07
R/V Revelle Core Map

Core Type
- Benthos (null)
- Benthos
- Bertha (null)
- Bertha
- Kasten (null)
- Kasten
- Multicore (null)
- Multicore
- Piston (null)
- Piston
- Trigger (null)
- Trigger

Core Recovery Length
- Short
- Long

Paleotsunami & Paleoearthquake Sites
- Philibosian et al., 2012
- Meltzner et al., 2010
- Monecke, et al., 2008
- Grand-Pre, et al., 2008

Chlieh, et al., 2007

Slip (cm)
- 1 - 300
- 301 - 600
- 601 - 900
- 901 - 1200
- 1201 - 1900
- Historic Earthquake
- RR0705 Trackline

Chlieh et al., 2008
- 2004 Earthquake
- 2005 Earthquake
- Coastline

50 25 0 50 Nautical Miles

Core sites from the 2007 cruise RR0705 are displayed with symbols designating core type and symbol size representing relative core length. Terrestrial paleotsunami and paleoearthquake sites in the 2004 Sumatra-Andaman subduction zone (SASZ) earthquake region are also displayed. The RR0705 cruise track line is plotted as a blue line. Shuttle Radar Topography Mission (SRTM) topography (Smith and Sandwell, 1997) underlies bathymetry provided by our collaborators from the UK, Japan, France, and Germany (Ladage et al., 2006). The Chlieh et al. (2007) slip estimate for the 2004 SASZ earthquake, in centimeters, is plotted as colored dots; 2004 and 2005 earthquake slip contours are plotted in orange and green, respectively (Chlieh et al., 2008). Historic ruptures (Bilham et al., 2005; Malik, 2010) are plotted in orange outline and labeled in orange. Please visit http://dx.doi.org/10.1130/GES01066.S1 or the full-text article on www.gsapubs.org to view Supplemental File S1.