

TABLE 1. Nuclear Explosions of Possible Interest to Seismologists Conducted by the United States

Shot Name	Date	Time, UT	Coordinates	Height of Burst, ft.	Type of Burst	Yield			P wave*		Rayleigh Wave† Ampli- tude, μ	Arrival of Air Shock at Ground
						Mt	kt	tons	Ampli- tude, μ	Period, sec		
Operation Trinity												
Trinity	7/16/45	12:29:15	33°40'31"N 106°28'29"W	100	Tower		19.3					
Operation Crossroads												
Able	6/30/46	21:01:	Bikini	520	Air drop		Nominal					
Baker	7/24/46	20:35:	Bikini	-90	Underwater		Nominal					
Operation Sandstone												
X-ray	4/14/48	18:16:59	Eniwetok	200	Tower		36.5					
Yoke	4/30/48	18:08:59	Eniwetok	200	Tower		48.7					
Zebra	5/14/48	18:04:00	Eniwetok	200	Tower		18.2					
Operation Ranger												
A	1/27/51	13:44:51.0	36°48'N 115°57'W	1,060	Air drop		1.27		0.15	0.7		
B ₁	1/28/51	13:52:04.5	36°48'N 115°57'W	1,080	Air drop		7.83	0.72	0.72	0.7		
E	2/1/51	13:46:39.5	36°48'N 115°57'W	1,080	Air drop		1.00		0.15	0.7		
B ₂	2/2/51	13:48:48.0	36°48'N 115°57'W	1,100	Air drop		7.95		0.51	0.6		
Freddie	2/6/51	13:46:55.0	36°48'N 115°57'W	1,435	Air drop		22.2		1.20	0.7		
Operation Greenhouse												
Dog	4/7/51	17:33:57.8	11°33'21"N 162°21'16"E	300	Tower							
Easy	4/20/51	17:27:00.1	11°40'08"N 162°14'25"E	300	Tower		46.7					
George	5/8/51	20:30:00.7	11°37'37"N 162°18'53"E	200	Tower							
Item	5/24/51	17:16:59.3	11°40'23"N 162°14'55"E	200	Tower							
Operation Buster-Jangle												
Able	10/22/51	14:00.	37°05'02"N 116°01'26"W	100	Tower		<0.1					
Baker	10/28/51	15:20:08.9	37°05'06"N 116°01'12"W	1,118	Air drop		3.5					

TABLE 1. Continued

Shot Name	Date	Time, UT	Coordinates	Height of Burst, ft.	Type of Burst	Yield			P wave*		Rayleigh Wave† Amplitude, μ	Arrival of Air Shock at Ground
						Mt	kt	Tons	Ampli- tude, μ	Period, sec		
Charlie	10/30/51	15:00:29.8	37°05'06"N 116°01'13"W	1,132	Air drop		14.0		0.06	1.0		
Dog	11/1/51	15:30:01.6	37°05'05"N 116°01'11"W	1,417	Air drop		21		0.08	1.0		
Easy	11/5/51	16:29:58.2	37°05'31"N 116°01'28"W	1,314	Air drop		31.4		0.15	1.0		
Sugar	11/19/51	16:59:59.7	37°07'54"N 116°02'19"W	4	Surface		1.2					
Uncle	11/29/51	19:59:59.7	37°10'11"N 116°02'33"W	-17	Underground		1.2					
Operation Tumbler Snapper												
TS-1	4/1/52	17:00:07.5	36°47'54"N 115°56'08"W	793	Air drop		1.1		0.04	0.5		
TS-2	4/15/52	17:29:57.1	37°05'03"N 116°01'10"W	1,109	Air drop		1.2					
TS-3	4/22/52	17:30:10.0	37°05'04"N 116°01'13"W	3,447	Air drop		30.7		0.03	0.7		
TS-4	5/1/52	16:29:59.1	37°05'03"N 116°01'13"W	1,040	Air drop		19.2		0.04	0.7		
TS-5	5/7/52	12:14:59.3	37°03'11"N 116°06'20"W	300	Tower		12.0					
TS-6	5/25/52	11:59:59.6	37°05'44"N 116°06'20"W	300	Tower		11.1		0.04	0.6		
TS-7	6/1/52	11:54:59.8	37°02'53"N 116°01'16"W	300	Tower		14.6		0.13	0.8		
TS-8	6/5/52	11:55:00.3	37°08'19"N 116°07'04"W	300	Tower		13.9		0.08	0.8		
Operation Ivy												
Mike	10/31/52	19:14:59.4	11°14'14"N 162°11'47"E	20	Tower	14			0.06	1.2	1.0	
King	11/15/52	23:30:	11°33'44"N 182°21'09"E	1,480	Air drop							
Operation Upshot Knothole												
Annie	3/17/53	13:20:00.3	37°02'52"N 116°01'16"W	300	Tower		16.2		0.15	0.8		