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Announced United States Nuclear Tests

July 1945 Through December 1992

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Announced United States Nuclear Tests

July 1945 Through December 1992

This document lists chronologically and alphabetically by event name all nuclear tests conducted and announced by the United States from July 1945 through December 1992, with the exception of the GMX experiments. The 24 GMX experiments, conducted at the Nevada Test Site (NTS) between December 1954 and February 1956, were "equation-of-state" physics studies that used small chemical explosives and small quantities of plutonium. Several tests conducted during Operation Dominic involved missile launches from Johnston Atoll. Several of these missile launches were aborted, resulting in the destruction of the missile and nuclear device either on the pad or in the air.

On August 5, 1963, the United States and the Soviet Union signed the Limited Test Ban Treaty which effectively banned testing of nuclear weapons in the atmosphere. All United States nuclear tests conducted prior to that date have been announced and are listed in this document. Some tests conducted underground since the signing of the Treaty and designed to be contained completely have not been announced. Information concerning these events is classified. Occasionally, the name and detonation date of an unannounced test is declassified which permits its listing in subsequent revisions to this document.

Data on United States tests were obtained from, and verified by, the Department of Energy's three weapons laboratories -- Los Alamos National Laboratory, Los Alamos, New Mexico; Lawrence Livermore National Laboratory, Livermore, California; and Sandia National Laboratories, Albuquerque, New Mexico. Additionally, data were obtained from public announcements issued by the Atomic Energy Commission and its successors, the Energy Research and Development Administration, and the Department of Energy, respectively.

Test Dates

Time and date for all events listed in this document were converted from local time to Greenwich Civil Time (GCT). The event date listed is the GCT date for the event.

Test Series

Each series of tests is given a name such as Operation Crossroads. United States nuclear tests were conducted on an intermittent basis from June 1946 to October 1958.

On October 31, 1958, the United States entered into a unilateral testing moratorium announced by President Eisenhower with the understanding that the Soviet Union would also refrain from conducting tests. The Soviet Union resumed testing in September 1961 with a series of the largest tests ever conducted.

On September 15, 1961, the United States resumed testing at the NTS on a year-round basis with Operation Nougat. From that time to the present, tests have been grouped for fiscal and reporting purposes according to the fiscal year in which they took place. For example, fiscal year 1963 tests -- which began July 1, 1962, and extended through June 30, 1963 -- were in the Operation Storax series.

Between April and November of 1962, the United States conducted Operation Dominic, which included the Department of Defense (DoD) Operation Fishbowl high-altitude tests, in the Pacific. The DoD also conducted four weapons effects tests at the NTS in July 1962 as Operation Sunbeam.

In 1976, the federal government changed the fiscal year to begin on October 1 and end on September 30. Accordingly, the fiscal year 1976 series, Operation Anvil, did not end on June 30, but was extended through September 30, 1976, a period of 15 months.

Test Yields

The nomenclature for test yields varied according to information policy governing specific years. In some cases, no yield information has been released; in a few cases, the terms "very slight" and "slight" were used without amplification. Except for tests where specific yields or relative specific yields such as "about 2 kt," "several MT," "less than 0.1 kt," etc., were announced, test yields are given in these terms:

1945 through 1963

Low (less than 20 kt)
Intermediate (20 to 200 kt) -- all tests except Operation Dominic
Intermediate (20 to 1,000 kt) -- Operation Dominic
Submegaton (less than 1 MT, but more than 200 kt)
Low Megaton (from 1 to several MT)
Megaton Range

1964 through February 1976

Less than 20 kt
20 to 200 kt
200 to 1,000 kt

March 1976

During a series of high-yield tests conducted during this month, two ranges were added, and the 200 to 1,000 kt range was dropped.

200 to 500 kt
500 to 1,000 kt

Since March 1976

On March 31, 1976, the Soviet Union and the United States agreed to limit the maximum yield of underground tests to 150 kt. The yield ranges now reported are:

Less than 20 kt
Less than 150 kt
20 to 150 kt

Test Locations

The first test of a nuclear weapon was in the atmosphere on July 16, 1945, in a remote part of New Mexico on what was then the Alamogordo Bombing Range, and is now the White Sands Missile Range. The site is 55 miles northwest of Alamogordo, New Mexico. At various times between June 1946 and November 1962, atmospheric and underground tests were conducted by the United States in the Marshall Islands, Christmas Island, Johnston Atoll in the Pacific Ocean, and over the South Atlantic Ocean. Between January 1951 and July 1962, atmospheric and underground nuclear tests were conducted at the NTS.

Since July 1962, all nuclear tests conducted in the United States have been underground and most of them have been at the NTS. Some tests were conducted on the Nellis Air Force Base Bombing Range; in central and northwestern Nevada; in Colorado, New Mexico, and Mississippi; and on Amchitka, one of the Aleutian Islands off the coast of Alaska.

Test Types and Purposes

The definition of terms used in this document appears in the Glossary. Type refers to the method of deployment of the nuclear device at time of detonation such as tower, tunnel, airdrop, etc. Purpose indicates whether the test was part of the weapons development program, a DoD effects test, a joint United States-United Kingdom (US-UK) test, or was part of some special program that involved the use of nuclear devices. In the Summary, the sum of all tests conducted underground (tunnel, shaft, and crater events) appears as Total Underground. With the exception of five underwater tests, the remaining events appear as Total Atmospheric.

Test Totals for Nevada Test Site

DOE's Nevada Operations Office, when discussing off-site detection of radiation from tests, sometimes has used the term **atmospheric** to describe any test where the release of radioactivity to the atmosphere was anticipated and was a factor in test planning. Nineteen were not **designed to be contained**. See **Categorization of NTS Nuclear Tests** (page v) for a comparison of test totals listed by the placement criterion used in this document with those listed by the **designed to be contained** criterion.

Detection of Radioactivity from Nevada Test Site Events

Unless otherwise noted, all nuclear tests at the NTS or the Bombing Range prior to September 15, 1961, produced radioactivity detected off site.* Unless otherwise noted, no test at the NTS or the Bombing Range on or after September 15, 1961, had a release of radioactivity that was detected off site. The release of radioactivity from a test can occur:

- Accidentally as a result of a containment failure.
- Accidentally or deliberately as a result of post-event operations.
- Deliberately as a result of post-event controlled purging of gases from a tunnel.

All releases resulting from a containment failure, even if not detected off site, are reported. Radiation releases resulting from tunnel purging or normal operations are not reported in this document unless detected off site, since they are carefully monitored and do not have an impact on the public.

*See Glossary for definition of "off site."

Future U.S. Tests

In July 1992 the White House announced that future U.S. nuclear tests would be conducted only to ensure the reliability and safety of U.S. deterrent forces. Past tests have been described as being for one of seven purposes (see page viii).

Weapons related tests are conducted to gather data on nuclear devices; weapons effects tests are conducted, usually by the DoD, to determine the effects of nuclear detonations on military offensive and defensive systems. As now mandated by law, the only purpose for a weapons related test is to ensure either the safety or the reliability of U.S. nuclear weapons, and the only purpose for weapons effects tests is to ensure the reliability of U.S. deterrent forces.

The law further stipulates that plans to test for reliability of a specific nuclear deterrent receive Congressional approval prior to test execution. The purpose of tests conducted for the United Kingdom (UK) will continue to be shown as "Joint US-UK." As for U.S. tests, the only purpose is to ensure the safety or the reliability of the UK deterrent. A note following each test entry indicates whether the test was for safety or reliability.

Categorization of NTS Nuclear Tests

Placement Criterion (this document)		Containment Design Criterion (sometimes used in public discussion)	
A. Atmospheric		**A. Not Designed to be Contained**	
Aboveground -- NTS	100 (1)	Aboveground	105
Aboveground -- Bombing Range	5 (2)	Unstemmed Hole	9
		Crater	10
Subtotal (Atmospheric)	**105**	**Subtotal**	**124**
B. Underground		**B. Designed to be Contained**	
Shaft -- Unstemmed Hole	9 (3)		
Crater	9		
Shaft -- Shallow Buried	1 (4)		
Shaft -- Stemmed	535	Shaft	535
Tunnel	67	Tunnel	67
Subtotal (Underground)	**621**	**Subtotal**	**602**
Total	**726**	**Total**	**726**

(1) Consists of 84 weapons related or weapons effects tests and 16 safety tests.

(2) Consists of 4 storage-transportation tests and 1 safety test.

(3) Nine events were conducted underground in unstemmed holes to minimize, but not eliminate, the release of radioactivity to the atmosphere. Because incandescent gases were released, these tests are sometimes referred to as "Roman candles."

(4) Ten tests were designed to be cratering tests, hence not designed to be contained. Event named Sulky, conducted on December 18, 1964, failed to produce the expected crater, but because placement was in a shaft, albeit shallow, it is listed in this document as a shaft test.

Glossary

Airburst	The explosion of a nuclear weapon at such a height that the expanding fireball does not touch the earth's surface prior to the time the fireball reaches its maximum luminosity. The airburst reported in this document resulted from the detonation of a device fired from a 280mm cannon.
Airdrop	A nuclear device dropped from an aircraft and exploded in the atmosphere.
Atmospheric	A test conducted aboveground or above water; i.e., in the open air.
Balloon	A nuclear device suspended from a balloon and exploded in the atmosphere.
Barge	A nuclear device exploded from a barge moored in the lagoon at Enewetak or Bikini.
Crater	A nuclear device placed shallow enough underground to produce a throw-out of earth when exploded.
Joint US-UK	A nuclear test conducted jointly by the United States and the United Kingdom under a cooperative agreement in effect between the two countries since August 4, 1958.
kt	A kiloton. The energy of a nuclear explosion that is equivalent to an explosion of 1,000 tons of TNT.
MT	A megaton. The energy of a nuclear explosion that is equivalent to an explosion of one million tons of TNT.
NTS	The Nevada Test Site, a 3,510-square-kilometer (1,350-square-mile) area in southern Nevada in Nye County and about 104 kilometers (65 miles) northwest of Las Vegas.
Off Site	Off site is any place outside the Test Range Complex, an area that includes both the Nevada Test Site and the adjacent Government-controlled Nellis Air Force Range.
On Site	A notation that radioactivity was detected on site only is made for any test from which there was an unplanned release of radioactivity into the atmosphere that was not detectable beyond the boundaries of the Test Range Complex.
Plowshare	Application of nuclear explosives to develop peaceful uses for atomic energy. The program is no longer active.
Rocket	A nuclear device launched by rocket and exploded in the atmosphere.
Safety Experiment	Experiment designed to confirm a nuclear explosion will not occur in case of an accidental detonation of the explosive associated with the device.

Seismic Calibration	A nuclear test to evaluate seismic effects of an underground explosion.
Shaft	A nuclear device exploded at the bottom of a drilled or mined vertical hole. Some safety tests were set off at the bottom of unstemmed drilled holes, producing a "Roman candle" effect.
Storage-Transportation	Detonations of combinations of high explosives and nuclear materials designed to study distribution of nuclear materials during accidents in several transportation and storage configurations.
Surface	A nuclear device placed on or close to the earth's surface.
Ton	Equivalent to a ton of TNT.
Thermonuclear Device	A "hydrogen bomb."
Tower	A nuclear device mounted at the top of a steel or wooden tower and exploded in the atmosphere.
Tunnel	A nuclear device exploded at the end of a long horizontal drift mined into a mountain or mesa in a way that places the burst point deep within the earth.
UG	Underground nuclear test conducted in a tunnel or at the bottom of a drilled hole or shaft. Some underground nuclear tests were not designed to contain all radioactivity; e.g., cratering tests or safety experiments.
UW	A nuclear test conducted underwater.
Vela Uniform	Department of Defense (DoD) program designed to improve the capability to detect, identify, and locate underground nuclear explosions.
Verification event	An event on which the Russian government exercised its right to verify under the terms of the Threshold Test Ban Treaty.
Weapons Effects	A nuclear test to evaluate the civil or military effects of a nuclear detonation on various targets, such as military hardware.
Weapons Related	A nuclear detonation conducted for the purpose of testing a nuclear device intended for a specific type of weapon system.
Yield	The total effective energy released in a nuclear explosion. It is usually expressed in terms of equivalent tonnage of TNT required to produce the same energy release in an explosion.

Announced United States Nuclear Tests

Totals by Calendar Year

	US	US-UK		US	US-UK
CY 1945	1	0	CY 1969	29	0
CY 1946	2	0	CY 1970	30	0
CY 1947	0	0	CY 1971	12	0
CY 1948	3	0	CY 1972	8	0
CY 1949	0	0	CY 1973	9	0
CY 1950	0	0	CY 1974	7	1
CY 1951	16	0	CY 1975	16	0
CY 1952	10	0	CY 1976	15	1
CY 1953	11	0	CY 1977	12	0
CY 1954	6	0	CY 1978	12	2
CY 1955	18	0	CY 1979	14	1
CY 1956	18	0	CY 1980	14	3
CY 1957	32	0	CY 1981	16	1
CY 1958	77	0	CY 1982	18	1
CY 1959	0	0	CY 1983	14	1
CY 1960	0	0	CY 1984	12	2
CY 1961	10	0	CY 1985	15	1
CY 1962	96	2	CY 1986	12	1
CY 1963	43	0	CY 1987	14	1
CY 1964	29	1	CY 1988	12	0
CY 1965	28	1	CY 1989	11	1
CY 1966	41	0	CY 1990	7	1
CY 1967	28	0	CY 1991	7	1
CY 1968	33	0	CY 1992	6	0
			Total	824	23

NOTE: Totals do not include two combat uses of nuclear weapons, which are not considered "tests." The first combat detonation was a 15 kt weapon airdropped 8/5/45 at Hiroshima, Japan. The second was a 21 kt weapon airdropped 8/9/45 at Nagasaki, Japan.

Totals by Location

	US	US-UK
Pacific	4	0
Johnston Island	12	0
Enewetak	43	0
Bikini	23	0
Christmas Island	24	0
Total Pacific	106	0
Total S. Atlantic	3	0
NTS Totals:		
Underground	598	23
Atmospheric	100	0
Central Nevada	1	0
Amchitka	3	0
Alamogordo	1	0
Carlsbad	1	0
Hattiesburg	2	0
Farmington	1	0
Grand Valley	1	0
Rifle	1	0
Fallon	1	0
Bombing Range	5	0
Total	17	0
Total	824	23

Totals by Type

	US	US-UK
Tunnel	67	0
Shaft	533	23
Crater	9	0
Total Underground	609	23
Airburst	1	0
Balloon	25	0
Tower	56	0
Airdrop	52	0
Rocket	12	0
Surface	28	0
Barge	36	0
Total Atmospheric	210	0
Underwater	5	0
Total	824	23

Totals By Purpose

Safety Experiment	34
Storage Transportation	4
Vela Uniform	7
Plowshare	27
Weapons Related	654
Weapons Effects	98
Joint US-UK	23
Total	847

Announced United States Nuclear Tests -- By Date

Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Trinity First test of a nuclear weapon	07/16/45	Alamogordo	Tower	Weapons Related	21 kt
This document is a compilation of the nuclear tests that the United States has conducted and announced. However, the two nuclear weapons that the United States exploded over Japan ending World War II are not listed. These were not nuclear "tests" in the sense that they were conducted to prove that the weapon would work as designed (as was the first test near Alamogordo, New Mexico on July 16, 1945) or to advance weapon design, determine weapons effects, or verify weapon safety as were the more than seven hundred tests that have taken place since June 30, 1946. The nuclear weapon dropped August 6, 1945, from a U.S. Army Air Force B-29 bomber and detonated over Hiroshima, Japan, had an energy yield equivalent to that of 15,000 tons of TNT. The one exploded in similar fashion August 9, 1945, over Nagasaki, Japan, had a yield of 21,000 tons of TNT. Both detonations were intended to end World War II as quickly as possible.					
Operation Crossroads					
Able	06/30/46	Bikini	Airdrop	Weapons Effects	21 kt
Baker	07/24/46	Bikini	UW	Weapons Effects	21 kt
Operation Sandstone					
X-ray	04/14/48	Enewetak	Tower	Weapons Related	37 kt
Yoke	04/30/48	Enewetak	Tower	Weapons Related	49 kt
Zebra	05/14/48	Enewetak	Tower	Weapons Related	18 kt
Operation Ranger					
Able	01/27/51	NTS	Airdrop	Weapons Related	1 kt
Baker	01/28/51	NTS	Airdrop	Weapons Related	8 kt
Easy	02/01/51	NTS	Airdrop	Weapons Related	1 kt
Baker-2	02/02/51	NTS	Airdrop	Weapons Related	8 kt
Fox	02/06/51	NTS	Airdrop	Weapons Related	22 kt
Operation Greenhouse					
Dog	04/07/51	Enewetak	Tower	Weapons Related	
Easy	04/20/51	Enewetak	Tower	Weapons Related	47 kt
George	05/08/51	Enewetak	Tower	Weapons Related	

Announced United States Nuclear Tests -- By Date					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Operation Greenhouse -- Continued					
Item First test of the boosting principle	05/24/51	Enewetak	Tower	Weapons Related	
Operation Buster					
Able Radioactivity not detected off site	10/22/51	NTS	Tower	Weapons Related	Less than 0.1 kt
Baker	10/28/51	NTS	Airdrop	Weapons Related	3.5 kt
Charlie	10/30/51	NTS	Airdrop	Weapons Related	14 kt
Dog	11/01/51	NTS	Airdrop	Weapons Related	21 kt
Easy	11/05/51	NTS	Airdrop	Weapons Related	31 kt
Operation Jangle					
Sugar	11/19/51	NTS	Surface	Weapons Effects	1.2 kt
Uncle	11/29/51	NTS	Crater	Weapons Effects	1.2 kt
Operation Tumbler-Snapper					
Able	04/01/52	NTS	Airdrop	Weapons Effects	1 kt
Baker	04/15/52	NTS	Airdrop	Weapons Effects	1 kt
Charlie	04/22/52	NTS	Airdrop	Weapons Related	31 kt
Dog	05/01/52	NTS	Airdrop	Weapons Related	19 kt
Easy	05/07/52	NTS	Tower	Weapons Related	12 kt
Fox	05/25/52	NTS	Tower	Weapons Related	11 kt
George	06/01/52	NTS	Tower	Weapons Related	15 kt
How	06/05/52	NTS	Tower	Weapons Related	14 kt
Operation Ivy					
Mike Experimental thermonuclear device	10/31/52	Enewetak	Surface	Weapons Related	10.4 MT

Announced United States Nuclear Tests -- By Date

Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Operation Ivy -- Continued					
King	11/15/52	Enewetak	Airdrop	Weapons Related	500 kt
Operation Upshot-Knothole					
Annie	03/17/53	NTS	Tower	Weapons Related	16 kt
Nancy	03/24/53	NTS	Tower	Weapons Related	24 kt
Ruth	03/31/53	NTS	Tower	Weapons Related	0.2 kt
Dixie	04/06/53	NTS	Airdrop	Weapons Related	11 kt
Ray	04/11/53	NTS	Tower	Weapons Related	0.2 kt
Badger	04/18/53	NTS	Tower	Weapons Related	23 kt
Simon	04/25/53	NTS	Tower	Weapons Related	43 kt
Encore	05/08/53	NTS	Airdrop	Weapons Effects	27 kt
Harry	05/19/53	NTS	Tower	Weapons Related	32 kt
Grable Fired from 280mm gun	05/25/53	NTS	Airburst	Weapons Related	15 kt
Climax	06/04/53	NTS	Airdrop	Weapons Related	61 kt
Operation Castle					
Bravo Experimental thermonuclear device	02/28/54	Bikini	Surface	Weapons Related	15 MT
Romeo	03/26/54	Bikini	Barge	Weapons Related	11 MT
Koon	04/06/54	Bikini	Surface	Weapons Related	110 kt
Union	04/25/54	Bikini	Barge	Weapons Related	6.9 MT
Yankee	05/04/54	Bikini	Barge	Weapons Related	13.5 MT
Nectar	05/13/54	Enewetak	Barge	Weapons Related	1.69 MT

Announced United States Nuclear Tests -- By Date

Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Operation Teapot					
Wasp	02/18/55	NTS	Airdrop	Weapons Effects	1 kt
Moth	02/22/55	NTS	Tower	Weapons Related	2 kt
Tesla	03/01/55	NTS	Tower	Weapons Related	7 kt
Turk	03/07/55	NTS	Tower	Weapons Related	43 kt
Hornet	03/12/55	NTS	Tower	Weapons Related	4 kt
Bee	03/22/55	NTS	Tower	Weapons Related	8 kt
Ess	03/23/55	NTS	Crater	Weapons Effects	1 kt
Apple-1	03/29/55	NTS	Tower	Weapons Related	14 kt
Wasp Prime	03/29/55	NTS	Airdrop	Weapons Related	3 kt
HA (High Altitude)	04/06/55	NTS	Airdrop	Weapons Effects	3 kt
Post	04/09/55	NTS	Tower	Weapons Related	2 kt
Met	04/15/55	NTS	Tower	Weapons Effects	22 kt
Apple-2	05/05/55	NTS	Tower	Weapons Related	29 kt
Zucchini	05/15/55	NTS	Tower	Weapons Related	28 kt
Operation Wigwam					
Wigwam North 29 degrees, West 126 degrees	05/14/55	Pacific	UW	Weapons Effects	30 kt
Project 56					
Project 56 No. 1	11/01/55	NTS	Surface	Safety Experiment	Zero
Project 56 No. 2 Pu dispersal	11/03/55	NTS	Surface	Safety Experiment	Zero
Project 56 No. 3 Pu dispersal	11/05/55	NTS	Surface	Safety Experiment	No yield

Announced United States Nuclear Tests -- By Date

Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Project 56 -- Continued					
Project 56 No. 4 Pu dispersal	01/18/56	NTS	Surface	Safety Experiment	Very slight
Operation Redwing					
Lacrosse	05/04/56	Enewetak	Surface	Weapons Related	40 kt
Cherokee First airdrop by U.S. of a thermonuclear weapon	05/20/56	Bikini	Airdrop	Weapons Related	Several MT
Zuni	05/27/56	Bikini	Surface	Weapons Related	3.5 MT
Yuma	05/27/56	Enewetak	Tower	Weapons Related	
Erie	05/30/56	Enewetak	Tower	Weapons Related	
Seminole	06/06/56	Enewetak	Surface	Weapons Related	13.7 kt
Flathead	06/11/56	Bikini	Barge	Weapons Related	
Blackfoot	06/11/56	Enewetak	Tower	Weapons Related	
Kickapoo	06/13/56	Enewetak	Tower	Weapons Related	
Osage	06/16/56	Enewetak	Airdrop	Weapons Related	
Inca	06/21/56	Enewetak	Tower	Weapons Related	
Dakota	06/25/56	Bikini	Barge	Weapons Related	
Mohawk	07/02/56	Enewetak	Tower	Weapons Related	
Apache	07/08/56	Enewetak	Barge	Weapons Related	
Navajo	07/10/56	Bikini	Barge	Weapons Related	
Tewa	07/20/56	Bikini	Barge	Weapons Related	5 MT
Huron	07/21/56	Enewetak	Barge	Weapons Related	

Announced United States Nuclear Tests -- By Date

Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Project 57					
Project 57 No. 1 Pu dispersal	04/24/57	Bombing Range	Surface	Safety Experiment	Zero
Operation Plumbbob					
Boltzmann	05/28/57	NTS	Tower	Weapons Related	12 kt
Franklin	06/02/57	NTS	Tower	Weapons Related	140 tons
Lassen Radioactivity not detected off site	06/05/57	NTS	Balloon	Weapons Related	0.5 tons
Wilson	06/18/57	NTS	Balloon	Weapons Related	10 kt
Priscilla	06/24/57	NTS	Balloon	Weapons Related	37 kt
Coulomb-A Radioactivity not detected off site	07/01/57	NTS	Surface	Safety Experiment	Zero
Hood	07/05/57	NTS	Balloon	Weapons Related	74 kt
Diablo	07/15/57	NTS	Tower	Weapons Related	17 kt
John Air-to-air missile	07/19/57	NTS	Rocket	Weapons Effects	About 2 kt
Kepler	07/24/57	NTS	Tower	Weapons Related	10 kt
Owens	07/25/57	NTS	Balloon	Weapons Related	9.7 kt
Pascal-A Unstemmed hole	07/26/57	NTS	Shaft	Safety Experiment	Slight
Stokes	08/07/57	NTS	Balloon	Weapons Related	19 kt
Saturn No radioactive release detected	08/10/57	NTS	Tunnel	Safety Experiment	Zero
Shasta	08/18/57	NTS	Tower	Weapons Related	17 kt
Doppler	08/23/57	NTS	Balloon	Weapons Related	11 kt

Announced United States Nuclear Tests -- By Date

Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Operation Plumbbob -- Continued					
Pascal-B Unstemmed hole No radioactive release detected	08/27/57	NTS	Shaft	Safety Experiment	
Franklin Prime	08/30/57	NTS	Balloon	Weapons Related	4.7 kt
Smoky	08/31/57	NTS	Tower	Weapons Related	44 kt
Galileo	09/02/57	NTS	Tower	Weapons Related	11 kt
Wheeler	09/06/57	NTS	Balloon	Weapons Related	197 tons
Coulomb-B	09/06/57	NTS	Surface	Safety Experiment	0.3 kt
Laplace	09/08/57	NTS	Balloon	Weapons Related	1 kt
Fizeau	09/14/57	NTS	Tower	Weapons Related	11 kt
Newton	09/16/57	NTS	Balloon	Weapons Related	12 kt
Rainier First detonation contained underground No radioactive release detected	09/19/57	NTS	Tunnel	Weapons Related	1.7 kt
Whitney	09/23/57	NTS	Tower	Weapons Related	19 kt
Charleston	09/28/57	NTS	Balloon	Weapons Related	12 kt
Morgan	10/07/57	NTS	Balloon	Weapons Related	8 kt
Project 58					
Pascal-C Unstemmed hole Radioactivity not detected off site	12/06/57	NTS	Shaft	Safety Experiment	Slight
Coulomb-C	12/09/57	NTS	Surface	Safety Experiment	0.5 kt

Announced United States Nuclear Tests -- By Date

Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Project 58 A					
Venus No radioactive release detected	02/22/58	NTS	Tunnel	Safety Experiment	Less than 1 ton
Uranus No radioactive release detected	03/14/58	NTS	Tunnel	Safety Experiment	Less than 1 ton
Operation Hardtack I					
Note: Three DoD high-altitude tests in the Pacific during Hardtack I were conducted as Operation Newsreel.					
Yucca North 12 degrees 37 minutes, East 163 degrees 01 minute DoD Event--Operation Newsreel	04/28/58	Pacific	Balloon	Weapons Effects	
Cactus	05/05/58	Enewetak	Surface	Weapons Related	18 kt
Fir	05/11/58	Bikini	Barge	Weapons Related	
Butternut	05/11/58	Enewetak	Barge	Weapons Related	
Koa	05/12/58	Enewetak	Surface	Weapons Related	1.37 MT
Wahoo	05/16/58	Enewetak	UW	Weapons Effects	
Holly	05/20/58	Enewetak	Barge	Weapons Related	
Nutmeg	05/21/58	Bikini	Barge	Weapons Related	
Yellowwood	05/26/58	Enewetak	Barge	Weapons Related	
Magnolia	05/26/58	Enewetak	Barge	Weapons Related	
Tobacco	05/30/58	Enewetak	Barge	Weapons Related	
Sycamore	05/31/58	Bikini	Barge	Weapons Related	
Rose	06/02/58	Enewetak	Barge	Weapons Related	
Umbrella	06/08/58	Enewetak	UW	Weapons Effects	
Maple	06/10/58	Bikini	Barge	Weapons Related	
Aspen	06/14/58	Bikini	Barge	Weapons Related	

Announced United States Nuclear Tests -- By Date					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Operation Hardtack I -- Continued					
Walnut	06/14/58	Enewetak	Barge	Weapons Related	
Linden	06/18/58	Enewetak	Barge	Weapons Related	
Redwood	06/27/58	Bikini	Barge	Weapons Related	
Elder	06/27/58	Enewetak	Barge	Weapons Related	
Oak	06/28/58	Enewetak	Barge	Weapons Related	8.9 MT
Hickory	06/29/58	Bikini	Barge	Weapons Related	
Sequoia	07/01/58	Enewetak	Barge	Weapons Related	
Cedar	07/02/58	Bikini	Barge	Weapons Related	
Dogwood	07/05/58	Enewetak	Barge	Weapons Related	
Poplar	07/12/58	Bikini	Barge	Weapons Related	
Scaevola	07/14/58	Enewetak	Barge	Safety Experiment	Low
Pisonia	07/17/58	Enewetak	Barge	Weapons Related	
Juniper	07/22/58	Bikini	Barge	Weapons Related	
Olive	07/22/58	Enewetak	Barge	Weapons Related	
Pine	07/26/58	Enewetak	Barge	Weapons Related	
Teak DoD Event--Operation Newsreel High altitude--approx. 77 kilometers	08/01/58	Johnston Island area	Rocket	Weapons Effects	Megaton range
Quince	08/06/58	Enewetak	Surface	Weapons Related	
Orange DoD Event--Operation Newsreel High altitude--approx. 43 kilometers	08/12/58	Johnston Island area	Rocket	Weapons Effects	Megaton range
Fig	08/18/58	Enewetak	Surface	Weapons Related	

Announced United States Nuclear Tests -- By Date

Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Operation Argus					
Argus I About 300 miles altitude, South 38.5 degrees, West 11.5 degrees	08/27/58	South Atlantic	Rocket	Weapons Effects	1-2 kt
Argus II About 300 miles altitude, South 49.5 degrees, West 8.2 degrees	08/30/58	South Atlantic	Rocket	Weapons Effects	1-2 kt
Argus III About 300 miles altitude, South 48.5 degrees, West 9.7 degrees	09/06/58	South Atlantic	Rocket	Weapons Effects	1-2 kt
Operation Hardtack II					
Otero Unstemmed hole	09/12/58	NTS	Shaft	Safety Experiment	38 tons
Bernalillo Unstemmed hole Radioactivity not detected off site	09/17/58	NTS	Shaft	Safety Experiment	15 tons
Eddy	09/19/58	NTS	Balloon	Weapons Related	83 tons
Luna Unstemmed hole Radioactivity not detected off site	09/21/58	NTS	Shaft	Safety Experiment	1.5 tons
Mercury No radioactive release detected	09/23/58	NTS	Tunnel	Safety Experiment	Slight
Valencia Unstemmed hole Radioactivity not detected off site	09/26/58	NTS	Shaft	Safety Experiment	2 tons
Mars Slight venting, radioactivity not detected off site	09/28/58	NTS	Tunnel	Safety Experiment	13 tons
Mora	09/29/58	NTS	Balloon	Weapons Related	2 kt

Announced United States Nuclear Tests -- By Date					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Operation Hardtack II -- Continued					
Colfax Unstemmed hole Radioactivity not detected off site	10/05/58	NTS	Shaft	Safety Experiment	5.5 tons
Hidalgo	10/05/58	NTS	Balloon	Safety Experiment	77 tons
Tamalpais Slight venting Radioactivity not detected off site	10/08/58	NTS	Tunnel	Weapons Related	72 tons
Quay	10/10/58	NTS	Tower	Weapons Related	79 tons
Lea	10/13/58	NTS	Balloon	Weapons Related	1.4 kt
Neptune Slight venting Radioactivity not detected off site	10/14/58	NTS	Tunnel	Safety Experiment	115 tons
Hamilton	10/15/58	NTS	Tower	Weapons Related	1.2 tons
Logan No radioactive release detected	10/16/58	NTS	Tunnel	Weapons Related	5 kt
Dona Ana	10/16/58	NTS	Balloon	Weapons Related	37 tons
Vesta Fired in surface structure	10/17/58	NTS	Surface	Safety Experiment	24 tons
Rio Arriba	10/18/58	NTS	Tower	Weapons Related	90 tons
San Juan Unstemmed hole No radioactive release detected	10/20/58	NTS	Shaft	Safety Experiment	Zero
Socorro	10/22/58	NTS	Balloon	Weapons Related	6 kt
Wrangell	10/22/58	NTS	Balloon	Weapons Related	115 tons
Rushmore	10/22/58	NTS	Balloon	Weapons Related	188 tons
Oberon No radioactive release detected	10/22/58	NTS	Tower	Safety Experiment	Zero

Announced United States Nuclear Tests -- By Date					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Operation Hardtack II -- Continued					
Catron	10/24/58	NTS	Tower	Safety Experiment	21 tons
Juno Fired in surface structure Radioactivity not detected off site	10/24/58	NTS	Surface	Safety Experiment	1.7 tons
Ceres Radioactivity not detected off site	10/26/58	NTS	Tower	Safety Experiment	0.7 tons
Sanford	10/26/58	NTS	Balloon	Weapons Related	4.9 kt
De Baca	10/26/58	NTS	Balloon	Weapons Related	2.2 kt
Chavez	10/27/58	NTS	Tower	Safety Experiment	0.6 tons
Evans Venting Radioactivity not detected off site	10/29/58	NTS	Tunnel	Weapons Related	55 tons
Humboldt	10/29/58	NTS	Tower	Weapons Related	7.8 tons
Mazama No radioactive release detected	10/29/58	NTS	Tower	Weapons Related	Zero
Santa Fe	10/30/58	NTS	Balloon	Weapons Related	1.3 kt
Blanca Slight venting	10/30/58	NTS	Tunnel	Weapons Related	22 kt
Ganymede Contained in surface structure No radioactive release detected	10/30/58	NTS	Surface	Safety Experiment	Zero
Titania	10/30/58	NTS	Tower	Safety Experiment	0.2 tons

Announced United States Nuclear Tests -- By Date					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Operation Nougat					
Antler Accidental release of radioactivity detected off site	09/15/61	NTS	Tunnel	Weapons Related	2.6 kt
Shrew Accidental release of radioactivity detected on site only	09/16/61	NTS	Shaft	Weapons Related	Low
Boomer Accidental release of radioactivity detected on site only	10/01/61	NTS	Shaft	Weapons Related	Low
Chena Accidental release of radioactivity detected on site only	10/10/61	NTS	Tunnel	Weapons Related	Low
Mink Accidental release of radioactivity detected on site only	10/29/61	NTS	Shaft	Weapons Related	Low
Fisher Accidental release of radioactivity detected on site only	12/03/61	NTS	Shaft	Weapons Related	13.4 kt
Gnome Multiple-purpose experiment in salt Formed cavity 160-170 ft. diameter, 60-80 ft. high Accidental release of radioactivity detected off site	12/10/61	Carlsbad	Shaft	Plowshare	3 kt
Mad Accidental release of radioactivity detected on site only	12/13/61	NTS	Shaft	Weapons Related	0.50 kt
Ringtail Accidental release of radioactivity detected on site only	12/17/61	NTS	Shaft	Weapons Related	Low

Announced United States Nuclear Tests -- By Date					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Operation Nougat -- Continued					
Feather Accidental release of radioactivity detected off site	12/22/61	NTS	Tunnel	Weapons Related	Low
Stoat Accidental release of radioactivity detected on site only	01/09/62	NTS	Shaft	Weapons Related	5.1 kt
Agouti	01/18/62	NTS	Shaft	Weapons Related	6.4 kt
Dormouse	01/30/62	NTS	Shaft	Weapons Related	Low
Stillwater	02/08/62	NTS	Shaft	Weapons Related	3.07 kt
Armadillo Accidental release of radioactivity detected on site only	02/09/62	NTS	Shaft	Weapons Related	7.1 kt
Hard Hat DoD Event Accidental release of radioactivity detected on site only	02/15/62	NTS	Shaft	Weapons Effects	5.7 kt
Chinchilla Accidental release of radioactivity detected on site only	02/19/62	NTS	Shaft	Weapons Related	1.9 kt
Codsaw Accidental release of radioactivity detected on site only	02/19/62	NTS	Shaft	Weapons Related	Low
Cimarron	02/23/62	NTS	Shaft	Weapons Related	11.90 kt
Platypus Accidental release of radioactivity detected on site only	02/24/62	NTS	Shaft	Weapons Related	Low
Pampas Accidental release of radioactivity detected off site	03/01/62	NTS	Shaft	Joint US-UK	Low

Announced United States Nuclear Tests -- By Date					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Operation Nougat -- Continued					
Danny Boy DoD Event Crater diameter 265 ft., depth 84 ft. in basalt Release of radioactivity detected off site	03/05/62	NTS	Crater	Weapons Effects	0.43 kt
Ermine	03/06/62	NTS	Shaft	Weapons Related	Low
Brazos Accidental release of radioactivity detected on site only	03/08/62	NTS	Shaft	Weapons Related	8.4 kt
Hognose	03/15/62	NTS	Shaft	Weapons Related	Low
Hoosic	03/28/62	NTS	Shaft	Weapons Related	3.40 kt
Chinchilla II Accidental release of radioactivity detected on site only	03/31/62	NTS	Shaft	Weapons Related	Low
Dormouse Prime	04/05/62	NTS	Shaft	Weapons Related	10.6 kt
Passaic	04/06/62	NTS	Shaft	Weapons Related	Low
Hudson	04/12/62	NTS	Shaft	Weapons Related	Low
Platte Accidental release of radioactivity detected off site	04/14/62	NTS	Tunnel	Weapons Related	1.85 kt
Dead	04/21/62	NTS	Shaft	Weapons Related	Low
Note: 1962 tests in Christmas and Johnston Island areas, and elsewhere in the Pacific, were part of Operation Dominic. Intermediate yield for these tests means 20-1000 kt.					
Adobe Operation Dominic	04/25/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
Aztec Operation Dominic	04/27/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
Black	04/27/62	NTS	Shaft	Weapons Related	Low

Announced United States Nuclear Tests -- By Date					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Operation Nougat -- Continued					
Arkansas Operation Dominic	05/02/62	Christmas Island area	Airdrop	Weapons Related	Low Megaton
Questa Operation Dominic	05/04/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
Frigate Bird Operation Dominic North 4 degrees 50 minútes, West 149 degrees 25 minutes Warhead in missile launched from Polaris submarine	05/06/62	Pacific	Rocket	Weapons Related	
Paca Accidental release of radioactivity detected on site only	05/07/62	NTS	Shaft	Weapons Related	Low
Yukon Operation Dominic	05/08/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
Mesilla Operation Dominic	05/09/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
Arikaree	05/10/62	NTS	Shaft	Weapons Related	Low
Muskegon Operation Dominic	05/11/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
Swordfish Operation Dominic North 31 degrees 14 minutes, West 124 degrees 13 minutes Antisubmarine rocket (ASROC) system proof test	05/11/62	Pacific	UW	Weapons Effects	Low
Encino Operation Dominic	05/12/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
Aardvark Accidental release of radioactivity detected on site only	05/12/62	NTS	Shaft	Weapons Related	40 kt

Announced United States Nuclear Tests -- By Date					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Operation Nougat -- Continued					
Swanee Operation Dominic	05/14/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
Eel Accidental release of radioactivity detected off site	05/19/62	NTS	Shaft	Weapons Related	Low
Chetco Operation Dominic	05/19/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
White	05/25/62	NTS	Shaft	Weapons Related	Low
Tanana Operation Dominic	05/25/62	Christmas Island area	Airdrop	Weapons Related	Low
Nambe Operation Dominic	05/27/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
Raccoon	06/01/62	NTS	Shaft	Weapons Related	Low
Packrat	06/06/62	NTS	Shaft	Weapons Related	Low
Alma Operation Dominic	06/08/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
Truckee Operation Dominic	06/09/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
Yeso Operation Dominic	06/10/62	Christmas Island area	Airdrop	Weapons Related	Low Megaton
Harlem Operation Dominic	06/12/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
Des Moines Accidental release of radioactivity detected off site	06/13/62	NTS	Tunnel	Weapons Related	Low
Rinconada Operation Dominic	06/15/62	Christmas Island area	Airdrop	Weapons Related	Intermediate

Announced United States Nuclear Tests -- By Date					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Operation Nougat -- Continued					
Dulce Operation Dominic	06/17/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
Petit Operation Dominic	06/19/62	Christmas Island area	Airdrop	Weapons Related	Low
Daman I	06/21/62	NTS	Shaft	Weapons Related	Low
Otowi Operation Dominic	06/22/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
Bighorn Operation Dominic	06/27/62	Christmas Island area	Airdrop	Weapons Related	Megaton range
Haymaker Accidental release of radioactivity detected on site only	06/27/62	NTS	Shaft	Weapons Related	67 kt
Marshmallow DoD Event Accidental release of radioactivity detected on site only	06/28/62	NTS	Tunnel	Weapons Effects	Low
Bluestone Operation Dominic	06/30/62	Christmas Island area	Airdrop	Weapons Related	Low Megaton
Sacramento	06/30/62	NTS	Shaft	Weapons Related	Low
Operation Storax					
Sedan Excavation experiment Crater 1,280 ft. diameter, 320 ft. deep Thermonuclear device Release of radioactivity detected off site	07/06/62	NTS	Crater	Plowshare	104 kt
Note: Four DoD weapons effects tests at NTS in July of 1962 were conducted as Operation Sunbeam					
Little Feller II Slightly above ground DoD Event--Operation Sunbeam Radioactivity not detected off site	07/07/62	NTS	Surface	Weapons Effects	Low

Announced United States Nuclear Tests -- By Date					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Operation Storax -- Continued					
Note: Five DoD high-altitude weapons effects tests were conducted during Operation Dominic as Operation Fishbowl					
Starfish Prime DoD Event--Operation Fishbowl High altitude--400 kilometers	07/09/62	Johnston Island area	Rocket	Weapons Effects	1.4 MT
Sunset Operation Dominic	07/10/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
Pamlico Operation Dominic	07/11/62	Christmas Island area	Airdrop	Weapons Related	Low Megaton
Johnnie Boy Slightly below ground DoD Event--Operation Sunbeam Release of radioactivity detected off site	07/11/62	NTS	Crater	Weapons Effects	0.5 kt
Merrimac Accidental release of radioactivity detected on site only	07/13/62	NTS	Shaft	Weapons Related	Intermediate
Small Boy Slightly above ground DoD Event--Operation Sunbeam Release of radioactivity detected off site	07/14/62	NTS	Tower	Weapons Effects	Low
Little Feller I Slightly above ground DoD Event--Operation Sunbeam Release of radioactivity detected off site	07/17/62	NTS	Surface	Weapons Effects	Low
Wichita Accidental release of radioactivity detected on site only	07/27/62	NTS	Shaft	Weapons Related	Low
York	08/24/62	NTS	Shaft	Weapons Related	Low
Bobac	08/24/62	NTS	Shaft	Weapons Related	Low
Raritan	09/06/62	NTS	Shaft	Weapons Related	Low
Hyrax	09/14/62	NTS	Shaft	Weapons Related	Low

Announced United States Nuclear Tests -- By Date					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Operation Storax -- Continued					
Peba	09/20/62	NTS	Shaft	Weapons Related	Low
Allegheny Accidental release of radioactivity detected on site only	09/29/62	NTS	Shaft	Weapons Related	Low
Androscoggin Operation Dominic	10/02/62	Johnston Island area	Airdrop	Weapons Related	Intermediate
Mississippi	10/05/62	NTS	Shaft	Weapons Related	115 kt
Bumping Operation Dominic	10/06/62	Johnston Island area	Airdrop	Weapons Related	Low
Roanoke Accidental release of radioactivity detected on site only	10/12/62	NTS	Shaft	Weapons Related	Low
Wolverine Accidental release of radioactivity detected on site only	10/12/62	NTS	Shaft	Weapons Related	Low
Chama Operation Dominic	10/18/62	Johnston Island area	Airdrop	Weapons Related	Low Megaton
Tioga	10/18/62	NTS	Shaft	Weapons Related	Low
Bandicoot Accidental release of radioactivity detected off site	10/19/62	NTS	Shaft	Weapons Related	Low
Checkmate DoD Event--Operation Fishbowl High altitude--tens of kilometers	10/20/62	Johnston Island area	Rocket	Weapons Effects	Low

Announced United States Nuclear Tests -- By Date					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Operation Storax -- Continued					
Bluegill 3 Prime DoD Event--Operation Fishbowl High altitude--tens of kilometers	10/26/62	Johnston Island area	Rocket	Weapons Effects	Submegaton
Santee	10/27/62	NTS	Shaft	Weapons Related	Low
Calamity Operation Dominic	10/27/62	Johnston Island area	Airdrop	Weapons Related	Intermediate
Housatonic Operation Dominic	10/30/62	Johnston Island area	Airdrop	Weapons Related	Megaton Range
Kingfish DoD Event--Operation Fishbowl High altitude--tens of kilometers	11/01/62	Johnston Island area	Rocket	Weapons Effects	Submegaton
Tightrope DoD Event--Operation Fishbowl High altitude--tens of kilometers	11/04/62	Johnston Island area	Rocket	Weapons Effects	Low
St. Lawrence Accidental release of radioactivity detected on site only	11/09/62	NTS	Shaft	Weapons Related	Low
Gundi	11/15/62	NTS	Shaft	Weapons Related	Low
Anacostia Device development Accidental release of radioactivity detected on site only	11/27/62	NTS	Shaft	Plowshare	Low
Taunton	12/04/62	NTS	Shaft	Weapons Related	Low
Tendrac	12/07/62	NTS	Shaft	Joint US-UK	Low
Madison	12/12/62	NTS	Tunnel	Weapons Related	Low
Numbat	12/12/62	NTS	Shaft	Weapons Related	Low
Manatee	12/14/62	NTS	Shaft	Weapons Related	Low
Casselman	02/08/63	NTS	Shaft	Weapons Related	Low

Announced United States Nuclear Tests -- By Date					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Operation Storax -- Continued					
Acushi	02/08/63	NTS	Shaft	Weapons Related	Low
Ferret	02/08/63	NTS	Shaft	Weapons Related	Low
Hatchie	02/08/63	NTS	Shaft	Weapons Related	Low
Chipmunk	02/15/63	NTS	Shaft	Weapons Related	Low
Kaweah Device development	02/21/63	NTS	Shaft	Plowshare	Low
Carmel	02/21/63	NTS	Shaft	Weapons Related	Low
Jerboa	03/01/63	NTS	Shaft	Weapons Related	Low
Toyah	03/15/63	NTS	Shaft	Weapons Related	Low
Gerbil	03/29/63	NTS	Shaft	Weapons Related	Low
Ferret Prime	04/05/63	NTS	Shaft	Weapons Related	Low
Coypu	04/10/63	NTS	Shaft	Weapons Related	Low
Cumberland	04/11/63	NTS	Shaft	Weapons Related	Low
Kootanai Accidental release of radioactivity detected on site only	04/24/63	NTS	Shaft	Weapons Related	Low
Paisano Accidental release of radioactivity detected on site only	04/24/63	NTS	Shaft	Weapons Related	Low
Gundi Prime	05/09/63	NTS	Shaft	Weapons Related	Low
Note: Four storage and transportation tests on the bombing range during May and June 1963 were conducted as the joint US-UK Operation Roller Coaster					
Double Tracks Operation Roller Coaster Pu dispersal Radioactivity detected off site	05/15/63	Bombing Range	Surface	Storage-Transp.	Zero

Announced United States Nuclear Tests -- By Date					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Operation Storax -- Continued					
Harkee	05/17/63	NTS	Shaft	Weapons Related	Low
Tejon	05/17/63	NTS	Shaft	Weapons Related	Low
Stones	05/22/63	NTS	Shaft	Weapons Related	Intermediate
Clean Slate I Operation Roller Coaster Pu dispersal Radioactivity detected off site	05/25/63	Bombing Range	Surface	Storage-Transp.	Zero
Pleasant Accidental release of radioactivity detected on site only	05/29/63	NTS	Shaft	Weapons Related	Low
Clean Slate II Operation Roller Coaster Pu dispersal Radioactivity not detected off site	05/31/63	Bombing Range	Surface	Storage-Transp.	Zero
Yuba Accidental release of radioactivity detected on site only Operational release of radioactivity detected off site	06/05/63	NTS	Tunnel	Weapons Related	Low
Hutia	06/06/63	NTS	Shaft	Weapons Related	Low
Apshapa Accidental release of radioactivity detected on site only	06/06/63	NTS	Shaft	Weapons Related	Low
Clean Slate III Operation Roller Coaster Pu dispersal Radioactivity detected off site	06/09/63	Bombing Range	Surface	Storage-Transp.	Zero
Mataco	06/14/63	NTS	Shaft	Weapons Related	Low
Kennebec Accidental release of radioactivity detected on site only	06/25/63	NTS	Shaft	Weapons Related	Low

Announced United States Nuclear Tests -- By Date					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Operation Niblick					
Pekan	08/12/63	NTS	Shaft	Weapons Related	Low
Satsop	08/15/63	NTS	Shaft	Weapons Related	Low
Kohocton	08/23/63	NTS	Shaft	Weapons Related	Low
Ahtanum	09/13/63	NTS	Shaft	Weapons Related	Low
Bilby First underground test reported felt in Las Vegas, Nevada	09/13/63	NTS	Shaft	Weapons Related	249 kt
Grunion	10/11/63	NTS	Shaft	Weapons Related	Low
Tornillo Device development	10/11/63	NTS	Shaft	Plowshare	Low
Clearwater	10/16/63	NTS	Shaft	Weapons Related	Intermediate
Shoal Nuclear test detection-research experiment near Fallon, Nevada	10/26/63	Fallon	Shaft	Vela Uniform	12 kt
Anchovy Accidental release of radioactivity detected on site only	11/14/63	NTS	Shaft	Weapons Related	Low
Mustang	11/15/63	NTS	Shaft	Weapons Related	Low
Greys	11/22/63	NTS	Shaft	Weapons Related	Intermediate
Sardine Accidental release of radioactivity detected on site only	12/04/63	NTS	Shaft	Weapons Related	Low
Eagle Accidental release of radioactivity detected off site	12/12/63	NTS	Shaft	Weapons Related	Low
Fore	01/16/64	NTS	Shaft	Weapons Related	20 to 200 kt

Announced United States Nuclear Tests -- By Date					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Operation Niblick -- Continued					
Oconto Operational release of radioactivity detected off site	01/23/64	NTS	Shaft	Weapons Related	Less than 20 kt
Klickitat Device development	02/20/64	NTS	Shaft	Plowshare	20 to 200 kt
Pike Accidental release of radioactivity detected off site	03/13/64	NTS	Shaft	Weapons Related	Less than 20 kt
Hook Accidental release of radioactivity detected on site only	04/14/64	NTS	Shaft	Weapons Related	Less than 20 kt
Sturgeon	04/15/64	NTS	Shaft	Weapons Related	Less than 20 kt
Turf	04/24/64	NTS	Shaft	Weapons Related	20 to 200 kt
Pipefish Accidental release of radioactivity detected on site only	04/29/64	NTS	Shaft	Weapons Related	Less than 20 kt
Backswing Accidental release of radioactivity detected on site only	05/14/64	NTS	Shaft	Weapons Related	Less than 20 kt
Minnow	05/15/64	NTS	Shaft	Weapons Related	Less than 20 kt
Ace Device development Accidental release of radioactivity detected on site only	06/11/64	NTS	Shaft	Plowshare	Less than 20 kt
Fade Accidental release of radioactivity detected on site only	06/25/64	NTS	Shaft	Weapons Related	Less than 20 kt
Dub Device development Accidental release of radioactivity detected on site only	06/30/64	NTS	Shaft	Plowshare	Less than 20 kt

Announced United States Nuclear Tests -- By Date					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Operation Whetstone					
Bye	07/16/64	NTS	Shaft	Weapons Related	20 to 200 kt
Cormorant Accidental release of radioactivity detected on site	07/17/64	NTS	Shaft	Joint US-UK	Less than 20 kt
Alva Accidental release of radioactivity detected off site by aircraft only	08/19/64	NTS	Shaft	Weapons Related	Less than 20 kt
Canvasback	08/22/64	NTS	Shaft	Weapons Related	Less than 20 kt
Haddock	08/28/64	NTS	Shaft	Weapons Related	Less than 20 kt
Guanay	09/04/64	NTS	Shaft	Weapons Related	Less than 20 kt
Auk	10/02/64	NTS	Shaft	Weapons Related	Less than 20 kt
Par Isotope production and explosive development	10/09/64	NTS	Shaft	Plowshare	38 kt
Barbel	10/16/64	NTS	Shaft	Weapons Related	Less than 20 kt
Salmon Nuclear test detection research experiment	10/22/64	Hattiesburg	Shaft	Vela Uniform	5.3 kt
Forest	10/31/64	NTS	Shaft	Weapons Related	Less than 20 kt
Handcar Effects of contained explosion in carbonate rock Accidental release of radioactivity detected on site only	11/05/64	NTS	Shaft	Plowshare	12 kt
Crepe	12/05/64	NTS	Shaft	Weapons Related	20 to 200 kt
Drill Accidental release of radioactivity detected off site	12/05/64	NTS	Shaft	Weapons Related	3.4 kt

Announced United States Nuclear Tests -- By Date					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Operation Whetstone -- Continued					
Parrot Accidental release of radioactivity detected off site	12/16/64	NTS	Shaft	Weapons Related	1.3 kt
Mudpack DoD Event	12/16/64	NTS	Shaft	Weapons Effects	2.7 kt
Sulky Excavation test of explosive buried at greater depth in relation to yield Produced mound of broken rock Release of radioactivity detected off site	12/18/64	NTS	Shaft	Plowshare	0.092 kt
Wool	01/14/65	NTS	Shaft	Weapons Related	Less than 20 kt
Cashmere	02/04/65	NTS	Shaft	Weapons Related	Less than 20 kt
Alpaca Accidental release of radioactivity detected off site	02/12/65	NTS	Shaft	Weapons Related	Less than 20 kt
Merlin Accidental release of radioactivity detected on site only	02/16/65	NTS	Shaft	Weapons Related	10.1 kt
Wishbone DoD Event Accidental release of radioactivity detected on site only	02/18/65	NTS	Shaft	Weapons Effects	Less than 20 kt
Wagtail	03/03/65	NTS	Shaft	Weapons Related	20 to 200 kt
Cup	03/26/65	NTS	Shaft	Weapons Related	20 to 200 kt
Kestrel	04/05/65	NTS	Shaft	Weapons Related	Less than 20 kt
Palanquin Release of radioactivity detected off site	04/14/65	NTS	Crater	Plowshare	4.3 kt

Announced United States Nuclear Tests -- By Date					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Operation Whetstone -- Continued					
Gum Drop DoD Event	04/21/65	NTS	Tunnel	Weapons Effects	Less than 20 kt
Tee Accidental release of radioactivity detected off site	05/07/65	NTS	Shaft	Weapons Effects	Less than 20 kt
Buteo	05/12/65	NTS	Shaft	Weapons Related	Less than 20 kt
Scaup	05/14/65	NTS	Shaft	Weapons Related	Less than 20 kt
Cambric	05/14/65	NTS	Shaft	Weapons Related	0.75 kt
Tweed	05/21/65	NTS	Shaft	Weapons Related	Less than 20 kt
Petrel	06/11/65	NTS	Shaft	Weapons Related	1.3 kt
Diluted Waters DoD Event Accidental release of radioactivity detected off site	06/16/65	NTS	Shaft	Weapons Effects	Less than 20 kt
Tiny Tot DoD Event Accidental release of radioactivity detected on site only	06/17/65	NTS	Tunnel	Weapons Effects	Less than 20 kt
Operation Flintlock					
Bronze	07/23/65	NTS	Shaft	Weapons Related	20 to 200 kt
Mauve	08/06/65	NTS	Shaft	Weapons Related	Less than 20 kt
Centaur Accidental release of radioactivity detected on site only	08/27/65	NTS	Shaft	Weapons Related	Less than 20 kt
Screamer Accidental release of radioactivity detected on site only	09/01/65	NTS	Shaft	Weapons Effects	Less than 20 kt
Charcoal	09/10/65	NTS	Shaft	Joint US-UK	20 to 200 kt

Announced United States Nuclear Tests -- By Date					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Operation Flintlock -- Continued					
Elkhart	09/17/65	NTS	Shaft	Weapons Related	Less than 20 kt
Long Shot DoD Event Nuclear test detection experiment	10/29/65	Amchitka	Shaft	Vela Uniform	About 80 kt
Sepia	11/12/65	NTS	Shaft	Weapons Related	Less than 20 kt
Corduroy	12/03/65	NTS	Shaft	Weapons Related	20 to 200 kt
Emerson Accidental release of radioactivity detected on site only	12/16/65	NTS	Shaft	Weapons Related	Less than 20 kt
Buff	12/16/65	NTS	Shaft	Weapons Related	20 to 200 kt
Maxwell	01/13/66	NTS	Shaft	Weapons Related	Less than 20 kt
Lampblack	01/18/66	NTS	Shaft	Weapons Related	20 to 200 kt
Dovekie	01/21/66	NTS	Shaft	Weapons Related	Less than 20 kt
Plaid II Accidental release of radioactivity detected on site only	02/03/66	NTS	Shaft	Weapons Related	Less than 20 kt
Rex	02/24/66	NTS	Shaft	Weapons Related	19 kt
Red Hot DoD Event Accidental release of radioactivity detected off site	03/05/66	NTS	Tunnel	Weapons Effects	Less than 20 kt
Finfoot Accidental release of radioactivity detected on site only	03/07/66	NTS	Shaft	Weapons Related	Less than 20 kt
Clymer	03/12/66	NTS	Shaft	Weapons Related	Less than 20 kt
Purple	03/18/66	NTS	Shaft	Weapons Related	Less than 20 kt
Templar Excavation device development	03/24/66	NTS	Shaft	Plowshare	Less than 20 kt

Announced United States Nuclear Tests -- By Date					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Operation Flintlock -- Continued					
Lime	04/01/66	NTS	Shaft	Weapons Related	Less than 20 kt
Stutz	04/06/66	NTS	Shaft	Weapons Related	Less than 20 kt
Tomato	04/07/66	NTS	Shaft	Weapons Related	Less than 20 kt
Duryea	04/14/66	NTS	Shaft	Weapons Related	70 kt
Fenton Accidental release of radioactivity detected off site by aircraft only	04/23/66	NTS	Shaft	Weapons Related	Less than 20 kt
Pin Stripe DoD Event Accidental release of radioactivity detected off site	04/25/66	NTS	Shaft	Weapons Effects	Less than 20 kt
Traveler	05/04/66	NTS	Shaft	Weapons Related	Less than 20 kt
Cyclamen Included heavy element experiment	05/05/66	NTS	Shaft	Weapons Related	12 kt
Chartreuse	05/06/66	NTS	Shaft	Weapons Related	73 kt
Tapestry Accidental release of radioactivity detected on site only	05/12/66	NTS	Shaft	Weapons Related	Less than 20 kt
Piranha	05/13/66	NTS	Shaft	Weapons Related	20 to 200 kt
Dumont	05/19/66	NTS	Shaft	Weapons Related	20 to 200 kt
Discus Thrower DoD Event	05/27/66	NTS	Shaft	Weapons Effects	22 kt
Pile Driver DoD Event Accidental release of radioactivity detected on site only	06/02/66	NTS	Tunnel	Weapons Effects	62 kt
Tan	06/03/66	NTS	Shaft	Weapons Related	20 to 200 kt
Puce	06/10/66	NTS	Shaft	Weapons Related	Less than 20 kt

Announced United States Nuclear Tests -- By Date					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Operation Flintlock -- Continued					
Double Play DoD Event Accidental release of radioactivity detected off site	06/15/66	NTS	Tunnel	Weapons Effects	Less than 20 kt
Kankakee	06/15/66	NTS	Shaft	Weapons Related	20 to 200 kt
Vulcan Device development Heavy element production	06/25/66	NTS	Shaft	Plowshare	25 kt
Halfbeak	06/30/66	NTS	Shaft	Weapons Related	365 kt
Operation Latchkey					
Saxon Excavation device development	07/28/66	NTS	Shaft	Plowshare	Less than 20 kt
Rovena	08/10/66	NTS	Shaft	Weapons Related	Less than 20 kt
Derringer Accidental release of radioactivity detected off site	09/12/66	NTS	Shaft	Weapons Effects	Less than 20 kt
Daiquiri	09/23/66	NTS	Shaft	Weapons Related	Less than 20 kt
Newark	09/29/66	NTS	Shaft	Weapons Related	Less than 20 kt
Simms Excavation device development	11/05/66	NTS	Shaft	Plowshare	Less than 20 kt
Ajax Accidental release of radioactivity detected on site only	11/11/66	NTS	Shaft	Weapons Related	Less than 20 kt
Cerise Accidental release of radioactivity detected on site only	11/18/66	NTS	Shaft	Weapons Related	Less than 20 kt
Sterling Nuclear test detection experiment	12/03/66	Hattiesburg	Shaft	Vela Uniform	380 tons

Announced United States Nuclear Tests -- By Date					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Operation Latchkey -- Continued					
New Point DoD Event Accidental release of radioactivity detected on site only	12/13/66	NTS	Shaft	Weapons Effects	Less than 20 kt
Greeley	12/20/66	NTS	Shaft	Weapons Related	870 kt
Nash Accidental release of radioactivity detected off site	01/19/67	NTS	Shaft	Weapons Related	20 to 200 kt
Bourbon	01/20/67	NTS	Shaft	Weapons Related	20 to 200 kt
Ward	02/08/67	NTS	Shaft	Weapons Related	Less than 20 kt
Persimmon	02/23/67	NTS	Shaft	Weapons Related	Less than 20 kt
Agile	02/23/67	NTS	Shaft	Weapons Related	20 to 200 kt
Rivet III	03/02/67	NTS	Shaft	Weapons Related	Less than 20 kt
Fawn	04/07/67	NTS	Shaft	Weapons Related	Less than 20 kt
Chocolate	04/21/67	NTS	Shaft	Weapons Related	Less than 20 kt
Effendi	04/27/67	NTS	Shaft	Weapons Related	Less than 20 kt
Mickey	05/10/67	NTS	Shaft	Weapons Related	20 to 200 kt
Commodore	05/20/67	NTS	Shaft	Weapons Related	250 kt
Scotch	05/23/67	NTS	Shaft	Weapons Related	155 kt
Knickerbocker	05/26/67	NTS	Shaft	Weapons Related	76 kt
Switch Excavation device development	06/22/67	NTS	Shaft	Plowshare	Less than 20 kt
Midi Mist DoD Event Controlled release of radioactivity detected off site	06/26/67	NTS	Tunnel	Weapons Effects	Less than 20 kt

Announced United States Nuclear Tests -- By Date					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Operation Latchkey -- Continued					
Umber Accidental release of radioactivity detected off site	06/29/67	NTS	Shaft	Weapons Effects	Less than 20 kt
Operation Crosstie					
Stanley	07/27/67	NTS	Shaft	Weapons Related	20 to 200 kt
Washer	08/10/67	NTS	Shaft	Weapons Related	Less than 20 kt
Bordeaux	08/18/67	NTS	Shaft	Weapons Related	Less than 20 kt
Door Mist DoD Event Accidental release of radioactivity detected off site	08/31/67	NTS	Tunnel	Weapons Effects	Less than 20 kt
Yard	09/07/67	NTS	Shaft	Weapons Related	20 to 200 kt
Marvel Emplacement technique experiment Accidental release of radioactivity detected on site only	09/21/67	NTS	Shaft	Plowshare	2.2 kt
Zaza	09/27/67	NTS	Shaft	Weapons Related	20 to 200 kt
Lanpher	10/18/67	NTS	Shaft	Weapons Related	20 to 200 kt
Sazerac	10/25/67	NTS	Shaft	Weapons Related	Less than 20 kt
Cobbler	11/08/67	NTS	Shaft	Weapons Related	Less than 20 kt
Gasbuggy Joint Government/industry gas stimulation experiment	12/10/67	Farmington	Shaft	Plowshare	29 kt
Stilt	12/15/67	NTS	Shaft	Weapons Related	Less than 20 kt
Hupmobile Accidental release of radioactivity detected off site	01/18/68	NTS	Shaft	Weapons Effects	7.4 kt
Staccato	01/19/68	NTS	Shaft	Weapons Related	20 to 200 kt

Announced United States Nuclear Tests -- By Date					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Operation Crosstie -- Continued					
Faultless Seismic calibration	01/19/68	Central Nevada	Shaft	Weapons Related	200 to 1000 kt
Cabriolet Release of radioactivity detected off site	01/26/68	NTS	Crater	Plowshare	2.3 kt
Knox	02/21/68	NTS	Shaft	Weapons Related	20 to 200 kt
Dorsal Fin DoD Event	02/29/68	NTS	Tunnel	Weapons Effects	Less than 20 kt
Buggy Row charge experiment--five simultaneous detonations Release of radioactivity detected off site	03/12/68	NTS	Crater	Plowshare	5.4 kt
Pommard	03/14/68	NTS	Shaft	Weapons Related	1.5 kt
Stinger	03/22/68	NTS	Shaft	Weapons Related	20 to 200 kt
Milk Shake DoD Event Accidental release of radioactivity detected on site only	03/25/68	NTS	Shaft	Weapons Effects	Less than 20 kt
Noor	04/10/68	NTS	Shaft	Weapons Related	20 to 200 kt
Shuffle	04/18/68	NTS	Shaft	Weapons Related	20 to 200 kt
Scroll Nuclear test detection experiment Accidental release of radioactivity detected on site only	04/23/68	NTS	Shaft	Vela Uniform	Less than 20 kt
Boxcar	04/26/68	NTS	Shaft	Weapons Related	1.3 MT
Clarksmobile	05/17/68	NTS	Shaft	Weapons Related	20 to 200 kt
Tub	06/06/68	NTS	Shaft	Weapons Related	Less than 20 kt

Announced United States Nuclear Tests -- By Date					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Operation Crosstie -- Continued					
Rickey	06/15/68	NTS	Shaft	Weapons Related	20 to 200 kt
Chateaugay	06/28/68	NTS	Shaft	Weapons Related	20 to 200 kt
Operation Bowline					
Tanya	07/30/68	NTS	Shaft	Weapons Related	20 to 200 kt
Diana Moon DoD Event Accidental release of radioactivity detected on site only	08/27/68	NTS	Shaft	Weapons Effects	Less than 20 kt
Sled	08/29/68	NTS	Shaft	Weapons Related	20 to 200 kt
Noggin	09/06/68	NTS	Shaft	Weapons Related	20 to 200 kt
Knife A	09/12/68	NTS	Shaft	Weapons Related	Less than 20 kt
Stoddard Excavation device development	09/17/68	NTS	Shaft	Plowshare	20 to 200 kt
Hudson Seal DoD Event	09/24/68	NTS	Tunnel	Weapons Effects	Less than 20 kt
Knife C	10/03/68	NTS	Shaft	Weapons Related	Less than 20 kt
Crew	11/04/68	NTS	Shaft	Weapons Related	20 to 200 kt
Knife B	11/15/68	NTS	Shaft	Weapons Related	Less than 20 kt
Ming Vase DoD Event	11/20/68	NTS	Tunnel	Weapons Effects	Less than 20 kt
Tinderbox	11/22/68	NTS	Shaft	Weapons Related	Less than 20 kt
Schooner Release of radioactivity detected off site	12/08/68	NTS	Crater	Plowshare	30 kt
Tyg Accidental release of radioactivity detected on site only	12/12/68	NTS	Shaft	Weapons Related	Less than 20 kt

Announced United States Nuclear Tests -- By Date					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Operation Bowline -- Continued					
Benham	12/19/68	NTS	Shaft	Weapons Related	1.15 MT
Packard Accidental release of radioactivity detected on site only	01/15/69	NTS	Shaft	Weapons Effects	10 kt
Wineskin	01/15/69	NTS	Shaft	Weapons Related	20 to 200 kt
Vise	01/30/69	NTS	Shaft	Weapons Related	20 to 200 kt
Cypress	02/12/69	NTS	Tunnel	Weapons Effects	Less than 20 kt
Barsac Accidental release of radioactivity detected on site only	03/20/69	NTS	Shaft	Weapons Related	Less than 20 kt
Coffer	03/21/69	NTS	Shaft	Weapons Related	Less than 100 kt
Thistle	04/30/69	NTS	Shaft	Weapons Related	20 to 200 kt
Blenton Accidental release of radioactivity detected on site only	04/30/69	NTS	Shaft	Weapons Related	20 to 200 kt
Purse	05/07/69	NTS	Shaft	Weapons Related	20 to 200 kt
Torrido	05/27/69	NTS	Shaft	Weapons Related	20 to 200 kt
Tapper Accidental release of radioactivity detected on site only	06/12/69	NTS	Shaft	Weapons Related	Less than 20 kt
Operation Mandrel					
Ildrim	07/16/69	NTS	Shaft	Weapons Related	20 to 200 kt
Hutch	07/16/69	NTS	Shaft	Weapons Related	20 to 200 kt
Spider	08/14/69	NTS	Shaft	Weapons Related	Less than 20 kt
Pliers Accidental release of radioactivity detected on site only	08/27/69	NTS	Shaft	Weapons Related	Less than 20 kt

Announced United States Nuclear Tests -- By Date					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Operation Mandrel -- Continued					
Rulison Joint Government/industry gas stimulation experiment Operational release of radioactivity detected off site	09/10/69	Grand Valley	Shaft	Plowshare	40 kt
Minute Steak DoD Event Accidental release of radioactivity detected on site only	09/12/69	NTS	Shaft	Weapons Effects	Less than 20 kt
Jorum	09/16/69	NTS	Shaft	Weapons Related	Less than 1 MT
Milrow Seismic calibration	10/02/69	Amchitka	Shaft	Weapons Related	About 1 MT
Pipkin	10/08/69	NTS	Shaft	Weapons Related	200 to 1000 kt
Cruet	10/29/69	NTS	Shaft	Weapons Related	11 kt
Pod Accidental release of radioactivity detected off site	10/29/69	NTS	Shaft	Weapons Related	20 to 200 kt
Calabash	10/29/69	NTS	Shaft	Weapons Related	110 kt
Scuttle Accidental release of radioactivity detected off site by aircraft only	11/13/69	NTS	Shaft	Weapons Related	Less than 20 kt
Piccalilli	11/21/69	NTS	Shaft	Weapons Related	20 to 200 kt
Diesel Train DoD Event	12/05/69	NTS	Tunnel	Weapons Effects	Less than 20 kt
Grape A	12/17/69	NTS	Shaft	Weapons Related	20 to 200 kt
Lovage	12/17/69	NTS	Shaft	Weapons Related	Less than 20 kt
Terrine	12/18/69	NTS	Shaft	Weapons Related	20 to 200 kt
Fob	01/23/70	NTS	Shaft	Weapons Related	Less than 20 kt

Announced United States Nuclear Tests -- By Date					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Operation Mandrel -- Continued					
Ajo In mined shaft	01/30/70	NTS	Shaft	Weapons Related	Less than 20 kt
Grape B	02/04/70	NTS	Shaft	Weapons Related	20 to 200 kt
Labis	02/05/70	NTS	Shaft	Weapons Related	25 kt
Diana Mist DoD Event	02/11/70	NTS	Tunnel	Weapons Effects	Less than 20 kt
Cumarin	02/25/70	NTS	Shaft	Weapons Related	20 to 200 kt
Yannigan	02/26/70	NTS	Shaft	Weapons Related	20 to 200 kt
Cyathus	03/06/70	NTS	Shaft	Weapons Related	8.7 kt
Arabis	03/06/70	NTS	Shaft	Weapons Related	Less than 20 kt
Jal	03/19/70	NTS	Shaft	Weapons Related	Less than 20 kt
Shaper	03/23/70	NTS	Shaft	Weapons Related	20 to 200 kt
Handley	03/26/70	NTS	Shaft	Weapons Related	More than 1 MT
Snubber Accidental release of radioactivity detected off site	04/21/70	NTS	Shaft	Weapons Effects	Less than 20 kt
Can	04/21/70	NTS	Shaft	Weapons Related	20 to 200 kt
Beebalm	05/01/70	NTS	Shaft	Weapons Related	Less than 20 kt
Hod Accidental release of radioactivity detected on site only	05/01/70	NTS	Shaft	Weapons Related	Less than 20 kt
Mint Leaf DoD Event Controlled release of radioactivity detected off site	05/05/70	NTS	Tunnel	Weapons Effects	Less than 20 kt

Announced United States Nuclear Tests -- By Date					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Operation Mandrel -- Continued					
Diamond Dust DoD Event Nuclear test detection experiment	05/12/70	NTS	Tunnel	Vela Uniform	Less than 20 kt
Cornice	05/15/70	NTS	Shaft	Weapons Related	20 to 200 kt
Manzanas Accidental release of radioactivity detected on site only	05/21/70	NTS	Shaft	Weapons Related	Less than 20 kt
Morrones	05/21/70	NTS	Shaft	Weapons Related	20 to 200 kt
Hudson Moon DoD Event Accidental release of radioactivity detected on site only	05/26/70	NTS	Tunnel	Weapons Effects	Less than 20 kt
Flask Operational release of radioactivity detected on site only	05/26/70	NTS	Shaft	Plowshare	105 kt
Arnica	06/26/70	NTS	Shaft	Weapons Related	20 to 200 kt
Operation Emery					
Tijeras	10/14/70	NTS	Shaft	Weapons Related	20 to 200 kt
Abeytas	11/05/70	NTS	Shaft	Weapons Related	20 to 200 kt
Artesia	12/16/70	NTS	Shaft	Weapons Related	20 to 200 kt
Cream Accidental release of radioactivity detected on site only	12/16/70	NTS	Shaft	Weapons Related	Less than 20 kt
Carpetbag	12/17/70	NTS	Shaft	Weapons Related	220 kt
Baneberry Accidental release of radioactivity detected off site	12/18/70	NTS	Shaft	Weapons Related	10 kt
Embudo	06/16/71	NTS	Shaft	Weapons Related	Less than 20 kt

Announced United States Nuclear Tests -- By Date					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Operation Emery -- Continued					
Laguna	06/23/71	NTS	Shaft	Weapons Related	20 to 200 kt
Harebell	06/24/71	NTS	Shaft	Weapons Related	20 to 200 kt
Camphor Accidental release of radioactivity detected on site only	06/29/71	NTS	Tunnel	Weapons Effects	Less than 20 kt
Operation Grommet					
Diamond Mine DoD Event Nuclear test detection experiment	07/01/71	NTS	Tunnel	Vela Uniform	Less than 20 kt
Miniata Device development experiment	07/08/71	NTS	Shaft	Plowshare	83 kt
Algodones	08/18/71	NTS	Shaft	Weapons Related	20 to 200 kt
Pedernal	09/29/71	NTS	Shaft	Weapons Related	Less than 20 kt
Cathay	10/08/71	NTS	Shaft	Weapons Related	Less than 20 kt
Cannikin Test of warhead of Spartan missile	11/06/71	Amchitka	Shaft	Weapons Related	Less than 5 MT
Diagonal Line DoD Event Accidental release of radioactivity detected off site by aircraft only	11/24/71	NTS	Shaft	Weapons Effects	Less than 20 kt
Chaenactis	12/14/71	NTS	Shaft	Weapons Related	20 to 200 kt
Longchamps	04/19/72	NTS	Shaft	Weapons Related	Less than 20 kt
Misty North DoD Event	05/02/72	NTS	Tunnel	Weapons Effects	Less than 20 kt
Zinnia	05/17/72	NTS	Shaft	Weapons Related	Less than 20 kt
Monero	05/19/72	NTS	Shaft	Weapons Related	Less than 20 kt

Announced United States Nuclear Tests -- By Date					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Operation Toggle					
Diamond Sculls DoD Event	07/20/72	NTS	Tunnel	Weapons Effects	Less than 20 kt
Oscuro	09/21/72	NTS	Shaft	Weapons Related	20 to 200 kt
Delphinium	09/26/72	NTS	Shaft	Weapons Related	15 kt
Flax	12/21/72	NTS	Shaft	Weapons Related	20 to 200 kt
Miera	03/08/73	NTS	Shaft	Weapons Related	20 to 200 kt
Angus	04/25/73	NTS	Shaft	Weapons Related	20 to 200 kt
Starwort	04/26/73	NTS	Shaft	Weapons Related	90 kt
Rio Blanco Joint Government/industry gas stimulation experiment	05/17/73	Rifle	Shaft	Plowshare	Three 33 kt
Dido Queen DoD Event	06/05/73	NTS	Tunnel	Weapons Effects	Less than 20 kt
Almendro	06/06/73	NTS	Shaft	Weapons Related	200 to 1000 kt
Portulaca	06/28/73	NTS	Shaft	Weapons Related	20 to 200 kt
Operation Arbor					
Husky Ace DoD Event	10/12/73	NTS	Tunnel	Weapons Effects	Less than 20 kt
Bernal	11/28/73	NTS	Shaft	Weapons Related	Less than 20 kt
Latir	02/27/74	NTS	Shaft	Weapons Related	20 to 200 kt
Fallon	05/23/74	NTS	Shaft	Joint US-UK	20 to 200 kt
Ming Blade DoD Event	06/19/74	NTS	Tunnel	Weapons Effects	Less than 20 kt

Announced United States Nuclear Tests -- By Date					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Operation Bedrock					
Escabosa	07/10/74	NTS	Shaft	Weapons Related	20 to 200 kt
Puye	08/14/74	NTS	Shaft	Weapons Related	Less than 20 kt
Portmanteau	08/30/74	NTS	Shaft	Weapons Related	20 to 200 kt
Stanyan	09/26/74	NTS	Shaft	Weapons Related	20 to 200 kt
Hybla Fair DoD Event	10/28/74	NTS	Tunnel	Weapons Effects	Less than 20 kt
Topgallant	02/28/75	NTS	Shaft	Weapons Related	20 to 200 kt
Cabrillo	03/07/75	NTS	Shaft	Weapons Related	20 to 200 kt
Dining Car DoD Event	04/05/75	NTS	Tunnel	Weapons Effects	Less than 20 kt
Edam	04/24/75	NTS	Shaft	Weapons Related	20 to 200 kt
Obar	04/30/75	NTS	Shaft	Weapons Related	20 to 200 kt
Tybo	05/14/75	NTS	Shaft	Weapons Related	200 to 1000 kt
Stilton	06/03/75	NTS	Shaft	Weapons Related	20 to 200 kt
Mizzen	06/03/75	NTS	Shaft	Weapons Related	20 to 200 kt
Mast	06/19/75	NTS	Shaft	Weapons Related	200 to 1000 kt
Camembert	06/26/75	NTS	Shaft	Weapons Related	200 to 1000 kt
Operation Anvil					
Marsh	09/06/75	NTS	Shaft	Weapons Related	Less than 20 kt
Husky Pup DoD Event	10/24/75	NTS	Tunnel	Weapons Effects	Less than 20 kt
Kasseri	10/28/75	NTS	Shaft	Weapons Related	200 to 1000 kt
Inlet	11/20/75	NTS	Shaft	Weapons Related	200 to 1000 kt
Leyden	11/26/75	NTS	Shaft	Weapons Related	Less than 20 kt

Announced United States Nuclear Tests -- By Date					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Operation Anvil -- Continued					
Chiberta	12/20/75	NTS	Shaft	Weapons Related	20 to 200 kt
Muenster	01/03/76	NTS	Shaft	Weapons Related	200 to 1000 kt
Keelson	02/04/76	NTS	Shaft	Weapons Related	20 to 200 kt
Esrom	02/04/76	NTS	Shaft	Weapons Related	20 to 200 kt
Fontina	02/12/76	NTS	Shaft	Weapons Related	200 to 1000 kt
Cheshire	02/14/76	NTS	Shaft	Weapons Related	200 to 500 kt
Estuary	03/09/76	NTS	Shaft	Weapons Related	200 to 500 kt
Colby	03/14/76	NTS	Shaft	Weapons Related	500 to 1000 kt
Pool	03/17/76	NTS	Shaft	Weapons Related	200 to 500 kt
Strait	03/17/76	NTS	Shaft	Weapons Related	200 to 500 kt
Mighty Epic DoD Event	05/12/76	NTS	Tunnel	Weapons Effects	Less than 20 kt
Billet	07/27/76	NTS	Shaft	Weapons Related	20 to 150 kt
Banon	08/26/76	NTS	Shaft	Joint US-UK	20 to 150 kt
Operation Fulcrum					
Chevre	11/23/76	NTS	Shaft	Weapons Related	Less than 20 kt
Redmud	12/08/76	NTS	Shaft	Weapons Related	Less than 20 kt
Asiago	12/21/76	NTS	Shaft	Weapons Related	Less than 20 kt
Rudder	12/28/76	NTS	Shaft	Weapons Related	20 to 150 kt
Marsilly	04/05/77	NTS	Shaft	Weapons Related	20 to 150 kt
Bulkhead	04/27/77	NTS	Shaft	Weapons Related	20 to 150 kt
Crewline	05/25/77	NTS	Shaft	Weapons Related	20 to 150 kt
Strake	08/04/77	NTS	Shaft	Weapons Related	20 to 150 kt

Announced United States Nuclear Tests -- By Date					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Operation Fulcrum -- Continued					
Scantling	08/19/77	NTS	Shaft	Weapons Related	20 to 150 kt
Ebbtide	09/15/77	NTS	Shaft	Weapons Related	Less than 20 kt
Coulommiers	09/27/77	NTS	Shaft	Weapons Related	20 to 150 kt
Bobstay	10/26/77	NTS	Shaft	Weapons Related	Less than 20 kt
Hybla Gold DoD Event	11/01/77	NTS	Tunnel	Weapons Effects	Less than 20 kt
Sandreef	11/09/77	NTS	Shaft	Weapons Related	20 to 150 kt
Seamount	11/17/77	NTS	Shaft	Weapons Related	Less than 20 kt
Farallones	12/14/77	NTS	Shaft	Weapons Related	20 to 150 kt
Campos	02/13/78	NTS	Shaft	Weapons Related	Less than 20 kt
Reblochon	02/23/78	NTS	Shaft	Weapons Related	20 to 150 kt
Iceberg	03/23/78	NTS	Shaft	Weapons Related	20 to 150 kt
Backbeach	04/11/78	NTS	Shaft	Weapons Related	20 to 150 kt
Fondutta	04/11/78	NTS	Shaft	Joint US-UK	20 to 150 kt
Transom No nuclear yield Device was destroyed by Hearts detonation on 09/06/79	05/10/78	NTS	Shaft	Weapons Related	Zero
Lowball	07/12/78	NTS	Shaft	Weapons Related	20 to 150 kt
Panir	08/31/78	NTS	Shaft	Weapons Related	20 to 150 kt
Diablo Hawk DoD Event	09/13/78	NTS	Tunnel	Weapons Effects	Less than 20 kt
Draughts	09/27/78	NTS	Shaft	Weapons Related	20 to 150 kt
Rummy	09/27/78	NTS	Shaft	Weapons Related	20 to 150 kt

Announced United States Nuclear Tests -- By Date					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Operation Quicksilver					
Emmenthal	11/02/78	NTS	Shaft	Weapons Related	Less than 20 kt
Quargel	11/18/78	NTS	Shaft	Joint US-UK	20 to 150 kt
Farm	12/16/78	NTS	Shaft	Weapons Related	20 to 150 kt
Baccarat	01/24/79	NTS	Shaft	Weapons Related	Less than 20 kt
Quinella	02/08/79	NTS	Shaft	Weapons Related	20 to 150 kt
Kloster	02/15/79	NTS	Shaft	Weapons Related	20 to 150 kt
Memory	03/14/79	NTS	Shaft	Weapons Related	Less than 20 kt
Pepato	06/11/79	NTS	Shaft	Weapons Related	20 to 150 kt
Chess	06/20/79	NTS	Shaft	Weapons Related	Less than 20 kt
Fajy	06/28/79	NTS	Shaft	Weapons Related	20 to 150 kt
Burzet	08/03/79	NTS	Shaft	Weapons Related	20 to 150 kt
Offshore	08/08/79	NTS	Shaft	Weapons Related	20 to 150 kt
Nessel	08/29/79	NTS	Shaft	Joint US-UK	20 to 150 kt
Hearts Detonation destroyed Transom device that did not detonate on 05/10/78	09/06/79	NTS	Shaft	Weapons Related	20 to 150 kt
Pera	09/08/79	NTS	Shaft	Weapons Related	Less than 20 kt
Sheepshead	09/26/79	NTS	Shaft	Weapons Related	20 to 150 kt

Announced United States Nuclear Tests -- By Date					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Operation Tinderbox					
Backgammon	11/29/79	NTS	Shaft	Weapons Related	Less than 20 kt
Azul Detonation destroyed Peninsula device that was damaged during emplacement on 10/23/75 The Peninsula device was not tested	12/14/79	NTS	Shaft	Weapons Related	Less than 20 kt
Tarko	02/28/80	NTS	Shaft	Weapons Related	Less than 20 kt
Norbo	03/08/80	NTS	Shaft	Weapons Related	Less than 20 kt
Liptauer	04/03/80	NTS	Shaft	Weapons Related	20 to 150 kt
Pyramid	04/16/80	NTS	Shaft	Weapons Related	20 to 150 kt
Colwick	04/26/80	NTS	Shaft	Joint US-UK	20 to 150 kt
Canfield	05/02/80	NTS	Shaft	Weapons Related	Less than 20 kt
Flora	05/22/80	NTS	Shaft	Weapons Related	Less than 20 kt
Kash	06/12/80	NTS	Shaft	Weapons Related	20 to 150 kt
Huron King DoD Event	06/24/80	NTS	Shaft	Weapons Effects	Less than 20 kt
Tafi	07/25/80	NTS	Shaft	Weapons Related	20 to 150 kt
Verdello	07/31/80	NTS	Shaft	Weapons Related	Less than 20 kt
Bonarda	09/25/80	NTS	Shaft	Weapons Related	20 to 150 kt
Riola Accidental release of radioactivity detected off site	09/25/80	NTS	Shaft	Weapons Related	Less than 20 kt
Operation Guardian					
Dutchess	10/24/80	NTS	Shaft	Joint US-UK	Less than 20 kt
Miners Iron DoD Event	10/31/80	NTS	Tunnel	Weapons Effects	Less than 20 kt

Announced United States Nuclear Tests -- By Date					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Operation Guardian -- Continued					
Dauphin	11/14/80	NTS	Shaft	Weapons Related	Less than 20 kt
Serpa	12/17/80	NTS	Shaft	Joint US-UK	20 to 150 kt
Baseball	01/15/81	NTS	Shaft	Weapons Related	20 to 150 kt
Clairette	02/05/81	NTS	Shaft	Weapons Related	Less than 20 kt
Seco	02/25/81	NTS	Shaft	Weapons Related	Less than 20 kt
Vide	04/30/81	NTS	Shaft	Weapons Related	Less than 20 kt
Aligote	05/29/81	NTS	Shaft	Weapons Related	Less than 20 kt
Harzer	06/06/81	NTS	Shaft	Weapons Related	20 to 150 kt
Niza	07/10/81	NTS	Shaft	Weapons Related	Less than 20 kt
Pineau	07/16/81	NTS	Shaft	Weapons Related	Less than 20 kt
Havarti	08/05/81	NTS	Shaft	Weapons Related	Less than 20 kt
Islay	08/27/81	NTS	Shaft	Weapons Related	Less than 20 kt
Trebbiano	09/04/81	NTS	Shaft	Weapons Related	Less than 20 kt
Cernada	09/24/81	NTS	Shaft	Weapons Related	Less than 20 kt
Operation Praetorian					
Paliza	10/01/81	NTS	Shaft	Weapons Related	20 to 150 kt
Tilci	11/11/81	NTS	Shaft	Weapons Related	20 to 150 kt
Rousanne	11/12/81	NTS	Shaft	Joint US-UK	20 to 150 kt
Akavi	12/03/81	NTS	Shaft	Weapons Related	20 to 150 kt
Caboc	12/16/81	NTS	Shaft	Weapons Related	Less than 20 kt
Jornada	01/28/82	NTS	Shaft	Weapons Related	20 to 150 kt
Molbo	02/12/82	NTS	Shaft	Weapons Related	20 to 150 kt
Hosta	02/12/82	NTS	Shaft	Weapons Related	20 to 150 kt

Announced United States Nuclear Tests -- By Date

Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Operation Praetorian -- Continued					
Tenaja	04/17/82	NTS	Shaft	Weapons Related	Less than 20 kt
Gibne	04/25/82	NTS	Shaft	Joint US-UK	20 to 150 kt
Kryddost	05/06/82	NTS	Shaft	Weapons Related	Less than 20 kt
Bouschet	05/07/82	NTS	Shaft	Weapons Related	20 to 150 kt
Kesti	06/16/82	NTS	Shaft	Weapons Related	Less than 20 kt
Nebbiolo	06/24/82	NTS	Shaft	Weapons Related	20 to 150 kt
Monterey	07/29/82	NTS	Shaft	Weapons Related	20 to 150 kt
Atrisco	08/05/82	NTS	Shaft	Weapons Related	20 to 150 kt
Queso	08/11/82	NTS	Shaft	Weapons Related	Less than 20 kt
Cerro	09/02/82	NTS	Shaft	Weapons Related	Less than 20 kt
Huron Landing DoD Event Simultaneous with Diamond Ace	09/23/82	NTS	Tunnel	Weapons Effects	Less than 20 kt
Diamond Ace DoD Event Simultaneous with Huron Landing	09/23/82	NTS	Tunnel	Weapons Effects	Less than 20 kt
Frisco	09/23/82	NTS	Shaft	Weapons Related	20 to 150 kt
Borrego	09/29/82	NTS	Shaft	Weapons Related	Less than 150 kt
Operation Phalanx					
Seyval	11/12/82	NTS	Shaft	Weapons Related	Less than 20 kt
Manteca	12/10/82	NTS	Shaft	Weapons Related	20 to 150 kt
Coalora	02/11/83	NTS	Shaft	Weapons Related	Less than 20 kt
Cheedam	02/17/83	NTS	Shaft	Weapons Related	Less than 20 kt
Cabra	03/26/83	NTS	Shaft	Weapons Related	20 to 150 kt

Announced United States Nuclear Tests -- By Date					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Operation Phalanx -- Continued					
Turquoise	04/14/83	NTS	Shaft	Weapons Related	Less than 150 kt
Armada	04/22/83	NTS	Shaft	Joint US-UK	Less than 20 kt
Crowdie	05/05/83	NTS	Shaft	Weapons Related	Less than 20 kt
Mini Jade DoD Event	05/26/83	NTS	Tunnel	Weapons Effects	Less than 20 kt
Fahada	05/26/83	NTS	Shaft	Weapons Related	Less than 20 kt
Danablu	06/09/83	NTS	Shaft	Weapons Related	Less than 20 kt
Laban	08/03/83	NTS	Shaft	Weapons Related	Less than 20 kt
Sabado	08/11/83	NTS	Shaft	Weapons Related	Less than 20 kt
Chancellor	09/01/83	NTS	Shaft	Weapons Related	20 to 150 kt
Tomme/Midnight Zephyr DoD Event	09/21/83	NTS	Tunnel	Weapons Effects	Less than 20 kt
Techado	09/22/83	NTS	Shaft	Weapons Related	Less than 150 kt
Operation Fusileer					
Romano	12/16/83	NTS	Shaft	Weapons Related	20 to 150 kt
Gorbea	01/31/84	NTS	Shaft	Weapons Related	20 to 150 kt
Midas Myth/Milagro DoD Event	02/15/84	NTS	Tunnel	Weapons Effects	Less than 20 kt
Tortugas	03/01/84	NTS	Shaft	Weapons Related	20 to 150 kt
Agrini Accidental release of radioactivity detected on site only	03/31/84	NTS	Shaft	Weapons Related	Less than 20 kt
Mundo	05/01/84	NTS	Shaft	Joint US-UK	20 to 150 kt
Caprock	05/31/84	NTS	Shaft	Weapons Related	20 to 150 kt
Duoro	06/20/84	NTS	Shaft	Weapons Related	20 to 150 kt

Announced United States Nuclear Tests -- By Date					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Operation Fusileer -- Continued					
Kappeli	07/25/84	NTS	Shaft	Weapons Related	20 to 150 kt
Correo	08/02/84	NTS	Shaft	Weapons Related	Less than 20 kt
Dolcetto	08/30/84	NTS	Shaft	Weapons Related	Less than 20 kt
Breton	09/13/84	NTS	Shaft	Weapons Related	20 to 150 kt
Operation Grenadier					
Villita	11/10/84	NTS	Shaft	Weapons Related	Less than 20 kt
Egmont	12/09/84	NTS	Shaft	Joint US-UK	20 to 150 kt
Tierra	12/15/84	NTS	Shaft	Weapons Related	20 to 150 kt
Vaughn	03/15/85	NTS	Shaft	Weapons Related	20 to 150 kt
Cottage	03/23/85	NTS	Shaft	Weapons Related	20 to 150 kt
Hermosa	04/02/85	NTS	Shaft	Weapons Related	20 to 150 kt
Misty Rain DoD Event Controlled release of radioactivity detected off site	04/06/85	NTS	Tunnel	Weapons Effects	Less than 20 kt
Towanda*	05/02/85	NTS	Shaft	Weapons Related	20 to 150 kt
Salut	06/12/85	NTS	Shaft	Weapons Related	20 to 150 kt
Ville	06/12/85	NTS	Shaft	Weapons Related	Less than 20 kt
Maribo	06/26/85	NTS	Shaft	Weapons Related	Less than 20 kt
Serena	07/25/85	NTS	Shaft	Weapons Related	20 to 150 kt
Chamita	08/17/85	NTS	Shaft	Weapons Related	Less than 20 kt
Ponil	09/27/85	NTS	Shaft	Weapons Related	Less than 20 kt

Announced United States Nuclear Tests -- By Date					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Operation Charioteer					
Mill Yard DoD Event	10/09/85	NTS	Tunnel	Weapons Effects	Less than 20 kt
Diamond Beech DoD Event	10/09/85	NTS	Tunnel	Weapons Effects	Less than 20 kt
Roquefort	10/16/85	NTS	Shaft	Weapons Related	20 to 150 kt
Kinibito	12/05/85	NTS	Shaft	Joint US-UK	20 to 150 kt
Goldstone	12/28/85	NTS	Shaft	Weapons Related	20 to 150 kt
Glencoe Operational release of radioactivity detected off site	03/22/86	NTS	Shaft	Weapons Related	20 to 150 kt
Mighty Oak DoD Event Controlled release of radioactivity detected off site	04/10/86	NTS	Tunnel	Weapons Effects	Less than 20 kt
Jefferson	04/22/86	NTS	Shaft	Weapons Related	20 to 150 kt
Panamint	05/21/86	NTS	Shaft	Weapons Related	Less than 20 kt
Tajo	06/05/86	NTS	Shaft	Weapons Related	20 to 150 kt
Darwin	06/25/86	NTS	Shaft	Joint US-UK	20 to 150 kt
Cybar	07/17/86	NTS	Shaft	Weapons Related	20 to 150 kt
Cornucopia	07/24/86	NTS	Shaft	Weapons Related	Less than 20 kt
Aleman	09/11/86	NTS	Shaft	Weapons Related	Less than 20 kt
Labquark	09/30/86	NTS	Shaft	Weapons Related	20 to 150 kt
Operation Musketeer					
Belmont	10/16/86	NTS	Shaft	Weapons Related	20 to 150 kt
Gascon	11/14/86	NTS	Shaft	Weapons Related	20 to 150 kt
Bodie	12/13/86	NTS	Shaft	Weapons Related	20 to 150 kt

Announced United States Nuclear Tests -- By Date					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Operation Musketeer -- Continued					
Hazebrook	02/03/87	NTS	Shaft	Weapons Related	Less than 20 kt
Tornero	02/11/87	NTS	Shaft	Weapons Related	Less than 20 kt
Middle Note DoD Event	03/18/87	NTS	Tunnel	Weapons Effects	Less than 20 kt
Delamar	04/18/87	NTS	Shaft	Weapons Related	20 to 150 kt
Presidio	04/22/87	NTS	Shaft	Weapons Related	Less than 20 kt
Hardin	04/30/87	NTS	Shaft	Weapons Related	20 to 150 kt
Brie	06/18/87	NTS	Shaft	Weapons Related	Less than 20 kt
Mission Ghost DoD Event	06/20/87	NTS	Tunnel	Weapons Effects	Less than 20 kt
Panchuela	06/30/87	NTS	Shaft	Weapons Related	Less than 20 kt
Midland	07/16/87	NTS	Shaft	Joint US-UK	20 to 150 kt
Tahoka	08/13/87	NTS	Shaft	Weapons Related	20 to 150 kt
Lockney	09/24/87	NTS	Shaft	Weapons Related	20 to 150 kt
Operation Touchstone					
Borate	10/23/87	NTS	Shaft	Weapons Related	20 to 150 kt
Waco	12/01/87	NTS	Shaft	Weapons Related	Less than 20 kt
Mission Cyber DoD Event	12/02/87	NTS	Tunnel	Weapons Effects	Less than 20 kt
Kernville	02/15/88	NTS	Shaft	Weapons Related	20 to 150 kt
Abilene	04/07/88	NTS	Shaft	Weapons Related	Less than 20 kt
Schellbourne	05/13/88	NTS	Shaft	Weapons Related	Less than 150 kt
Laredo	05/21/88	NTS	Shaft	Weapons Related	Less than 150 kt
Comstock	06/02/88	NTS	Shaft	Weapons Related	Less than 150 kt

Announced United States Nuclear Tests -- By Date					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Operation Touchstone -- Continued					
Rhyolite Simultaneous with Nightingale	06/22/88	NTS	Shaft	Weapons Related	Less than 150 kt
Nightingale Simultaneous with Rhyolite	06/22/88	NTS	Shaft	Safety Experiment	Less than 150 kt
Alamo	07/07/88	NTS	Shaft	Weapons Related	Less than 150 kt
Kearsarge	08/17/88	NTS	Shaft	Weapons Related	Less than 150 kt
Bullfrog	08/30/88	NTS	Shaft	Weapons Related	Less than 150 kt
Operation Cornerstone					
Dahlhart	10/13/88	NTS	Shaft	Weapons Related	Less than 150 kt
Misty Echo DoD Event	12/10/88	NTS	Tunnel	Weapons Effects	Less than 150 kt
Texarkana	02/10/89	NTS	Shaft	Weapons Related	20 to 150 kt
Kawich	02/24/89	NTS	Shaft	Weapons Related	Less than 20 kt
Ingot	03/09/89	NTS	Shaft	Weapons Related	20 to 150 kt
Palisade	05/15/89	NTS	Shaft	Weapons Related	Less than 20 kt
Tulia	05/26/89	NTS	Shaft	Weapons Related	Less than 20 kt
Contact	06/22/89	NTS	Shaft	Weapons Related	20 to 150 kt
Amarillo	06/27/89	NTS	Shaft	Weapons Related	20 to 150 kt
Disko Elm DoD Event	09/14/89	NTS	Tunnel	Weapons Effects	Less than 20 kt
Operation Aqueduct					
Hornitos	10/31/89	NTS	Shaft	Weapons Related	20 to 150 kt
Muleshoe	11/15/89	NTS	Shaft	Weapons Related	Less than 20 kt
Barnwell	12/08/89	NTS	Shaft	Joint US-UK	20 to 150 kt

Announced United States Nuclear Tests -- By Date					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Operation Aqueduct -- Continued					
Whiteface	12/20/89	NTS	Shaft	Weapons Related	Less than 20 kt
Metropolis	03/10/90	NTS	Shaft	Weapons Related	20 to 150 kt
Bullion	06/13/90	NTS	Shaft	Weapons Related	20 to 150 kt
Austin	06/21/90	NTS	Shaft	Weapons Related	Less than 20 kt
Mineral Quarry DoD Event	07/25/90	NTS	Tunnel	Weapons Effects	Less than 20 kt
Sundown	09/20/90	NTS	Shaft	Weapons Related	Less than 20 kt
Ledoux	09/27/90	NTS	Shaft	Weapons Effects	Less than 20 kt
Operation Sculpin					
Tenabo	10/12/90	NTS	Shaft	Weapons Related	20 to 150 kt
Houston	11/14/90	NTS	Shaft	Joint US-UK	20 to 150 kt
Coso	03/08/91	NTS	Shaft	Weapons Related	Less than 20 kt
Bexar	04/04/91	NTS	Shaft	Weapons Related	20 to 150 kt
Montello	04/16/91	NTS	Shaft	Weapons Related	20 to 150 kt
Floydada *	08/15/91	NTS	Shaft	Weapons Related	Less than 20 kt
Hoya Treaty verification event	09/14/91	NTS	Shaft	Weapons Related	20 to 150 kt
Distant Zenith	09/19/91	NTS	Tunnel	Weapons Effects	Less than 20 kt
Operation Julin					
Lubbock	10/18/91	NTS	Shaft	Weapons Related	20 to 150 kt
Bristol	11/26/91	NTS	Shaft	Joint US-UK	Less than 20 kt
Junction Treaty verification event	03/26/92	NTS	Shaft	Weapons Related	20 to 150 kt

Announced United States Nuclear Tests -- By Date					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Operation Julin -- Continued					
Diamond Fortune DoD Event	04/30/92	NTS	Tunnel	Weapons Effects	Less than 20 kt
Victoria	06/19/92	NTS	Shaft	Weapons Related	Less than 20 kt
Galena	06/23/92	NTS	Shaft	Weapons Related	Less than 20 kt
Hunters Trophy DoD Event Test to ensure the reliability of U.S. deterrent forces	09/18/92	NTS	Tunnel	Weapons Effects	Less than 20 kt
Divider Test to ensure the safety of U.S. deterrent forces	09/23/92	NTS	Shaft	Weapons Related	Less than 20 kt

Announced United States Nuclear Tests -- By Event

Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Aardvark Accidental release of radioactivity detected on site only	05/12/62	NTS	Shaft	Weapons Related	40 kt
Abeytas	11/05/70	NTS	Shaft	Weapons Related	20 to 200 kt
Abilene	04/07/88	NTS	Shaft	Weapons Related	Less than 20 kt
Able	06/30/46	Bikini	Airdrop	Weapons Effects	21 kt
Able	01/27/51	NTS	Airdrop	Weapons Related	1 kt
Able Radioactivity not detected off site	10/22/51	NTS	Tower	Weapons Related	Less than 0.1 kt
Able	04/01/52	NTS	Airdrop	Weapons Effects	1 kt
Ace Device development Accidental release of radioactivity detected on site only	06/11/64	NTS	Shaft	Plowshare	Less than 20 kt
Acushi	02/08/63	NTS	Shaft	Weapons Related	Low
Adobe Operation Dominic	04/25/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
Agile	02/23/67	NTS	Shaft	Weapons Related	20 to 200 kt
Agouti	01/18/62	NTS	Shaft	Weapons Related	6.4 kt
Agrini Accidental release of radioactivity detected on site only	03/31/84	NTS	Shaft	Weapons Related	Less than 20 kt
Ahtanum	09/13/63	NTS	Shaft	Weapons Related	Low
Ajax Accidental release of radioactivity detected on site only	11/11/66	NTS	Shaft	Weapons Related	Less than 20 kt
Ajo In mined shaft	01/30/70	NTS	Shaft	Weapons Related	Less than 20 kt

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Akavi	12/03/81	NTS	Shaft	Weapons Related	20 to 150 kt
Alamo	07/07/88	NTS	Shaft	Weapons Related	Less than 150 kt
Aleman	09/11/86	NTS	Shaft	Weapons Related	Less than 20 kt
Algodones	08/18/71	NTS	Shaft	Weapons Related	20 to 200 kt
Aligote	05/29/81	NTS	Shaft	Weapons Related	Less than 20 kt
Allegheny Accidental release of radioactivity detected on site only	09/29/62	NTS	Shaft	Weapons Related	Low
Alma Operation Dominic	06/08/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
Almendro	06/06/73	NTS	Shaft	Weapons Related	200 to 1000 kt
Alpaca Accidental release of radioactivity detected off site	02/12/65	NTS	Shaft	Weapons Related	Less than 20 kt
Alva Accidental release of radioactivity detected off site by aircraft only	08/19/64	NTS	Shaft	Weapons Related	Less than 20 kt
Amarillo	06/27/89	NTS	Shaft	Weapons Related	20 to 150 kt
Anacostia Device development Accidental release of radioactivity detected on site only	11/27/62	NTS	Shaft	Plowshare	Low
Anchovy Accidental release of radioactivity detected on site only	11/14/63	NTS	Shaft	Weapons Related	Low
Androscoggin Operation Dominic	10/02/62	Johnston Island area	Airdrop	Weapons Related	Intermediate
Angus	04/25/73	NTS	Shaft	Weapons Related	20 to 200 kt
Annie	03/17/53	NTS	Tower	Weapons Related	16 kt

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Antler Accidental release of radioactivity detected off site	09/15/61	NTS	Tunnel	Weapons Related	2.6 kt
Apache	07/08/56	Enewetak	Barge	Weapons Related	
Apple-1	03/29/55	NTS	Tower	Weapons Related	14 kt
Apple-2	05/05/55	NTS	Tower	Weapons Related	29 kt
Apshapa Accidental release of radioactivity detected on site only	06/06/63	NTS	Shaft	Weapons Related	Low
Arabis	03/06/70	NTS	Shaft	Weapons Related	Less than 20 kt
Argus I About 300 miles altitude, South 38.5 degrees, West 11.5 degrees	08/27/58	South Atlantic	Rocket	Weapons Effects	1-2 kt
Argus II About 300 miles altitude, South 49.5 degrees, West 8.2 degrees	08/30/58	South Atlantic	Rocket	Weapons Effects	1-2 kt
Argus III About 300 miles altitude, South 48.5 degrees, West 9.7 degrees	09/06/58	South Atlantic	Rocket	Weapons Effects	1-2 kt
Arikaree *	05/10/62	NTS	Shaft	Weapons Related	Low
Arkansas Operation Dominic	05/02/62	Christmas Island area	Airdrop	Weapons Related	Low Megaton
Armada	04/22/83	NTS	Shaft	Joint US-UK	Less than 20 kt
Armadillo Accidental release of radioactivity detected on site only	02/09/62	NTS	Shaft	Weapons Related	7.1 kt
Arnica	06/26/70	NTS	Shaft	Weapons Related	20 to 200 kt
Artesia	12/16/70	NTS	Shaft	Weapons Related	20 to 200 kt
Asiago	12/21/76	NTS	Shaft	Weapons Related	Less than 20 kt

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Aspen	06/14/58	Bikini	Barge	Weapons Related	
Atrisco	08/05/82	NTS	Shaft	Weapons Related	20 to 150 kt
Auk	10/02/64	NTS	Shaft	Weapons Related	Less than 20 kt
Austin	06/21/90	NTS	Shaft	Weapons Related	Less than 20 kt
Aztec Operation Dominic	04/27/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
Azul Detonation destroyed Peninsula device that was damaged during emplacement on 10/23/75 The Peninsula device was not tested	12/14/79	NTS	Shaft	Weapons Related	Less than 20 kt
Baccarat	01/24/79	NTS	Shaft	Weapons Related	Less than 20 kt
Backbeach	04/11/78	NTS	Shaft	Weapons Related	20 to 150 kt
Backgammon	11/29/79	NTS	Shaft	Weapons Related	Less than 20 kt
Backswing Accidental release of radioactivity detected on site only	05/14/64	NTS	Shaft	Weapons Related	Less than 20 kt
Badger	04/18/53	NTS	Tower	Weapons Related	23 kt
Baker	07/24/46	Bikini	UW	Weapons Effects	21 kt
Baker	01/28/51	NTS	Airdrop	Weapons Related	8 kt
Baker-2	02/02/51	NTS	Airdrop	Weapons Related	8 kt
Baker	10/28/51	NTS	Airdrop	Weapons Related	3.5 kt
Baker	04/15/52	NTS	Airdrop	Weapons Effects	1 kt
Bandicoot Accidental release of radioactivity detected off site	10/19/62	NTS	Shaft	Weapons Related	Low

Announced United States Nuclear Tests -- By Event

Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Baneberry Accidental release of radioactivity detected off site	12/18/70	NTS	Shaft	Weapons Related	10 kt
Banon	08/26/76	NTS	Shaft	Joint US-UK	20 to 150 kt
Barbel	10/16/64	NTS	Shaft	Weapons Related	Less than 20 kt
Barnwell	12/08/89	NTS	Shaft	Joint US-UK	20 to 150 kt
Barsac Accidental release of radioactivity detected on site only	03/20/69	NTS	Shaft	Weapons Related	Less than 20 kt
Baseball	01/15/81	NTS	Shaft	Weapons Related	20 to 150 kt
Bee	03/22/55	NTS	Tower	Weapons Related	8 kt
Beebalm	05/01/70	NTS	Shaft	Weapons Related	Less than 20 kt
Belmont	10/16/86	NTS	Shaft	Weapons Related	20 to 150 kt
Benham	12/19/68	NTS	Shaft	Weapons Related	1.15 MT
Bernal	11/28/73	NTS	Shaft	Weapons Related	Less than 20 kt
Bernalillo Unstemmed hole Radioactivity not detected off site	09/17/58	NTS	Shaft	Safety Experiment	15 tons
Bexar	04/04/91	NTS	Shaft	Weapons Related	20 to 150 kt
Bighorn Operation Dominic	06/27/62	Christmas Island area	Airdrop	Weapons Related	Megaton range
Bilby First underground test reported felt in Las Vegas, Nevada	09/13/63	NTS	Shaft	Weapons Related	249 kt
Billet	07/27/76	NTS	Shaft	Weapons Related	20 to 150 kt
Black	04/27/62	NTS	Shaft	Weapons Related	Low
Blackfoot	06/11/56	Enewetak	Tower	Weapons Related	

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Blanca Slight venting	10/30/58	NTS	Tunnel	Weapons Related	22 kt
Blenton Accidental release of radioactivity detected on site only	04/30/69	NTS	Shaft	Weapons Related	20 to 200 kt
Bluegill 3 Prime DoD Event--Operation Fishbowl High altitude--tens of kilometers	10/26/62	Johnston Island area	Rocket	Weapons Effects	Submegaton
Bluestone Operation Dominic	06/30/62	Christmas Island area	Airdrop	Weapons Related	Low Megaton
Bobac	08/24/62	NTS	Shaft	Weapons Related	Low
Bobstay	10/26/77	NTS	Shaft	Weapons Related	Less than 20 kt
Bodie	12/13/86	NTS	Shaft	Weapons Related	20 to 150 kt
Boltzmann	05/28/57	NTS	Tower	Weapons Related	12 kt
Bonarda	09/25/80	NTS	Shaft	Weapons Related	20 to 150 kt
Boomer Accidental release of radioactivity detected on site only	10/01/61	NTS	Shaft	Weapons Related	Low
Borate	10/23/87	NTS	Shaft	Weapons Related	20 to 150 kt
Bordeaux	08/18/67	NTS	Shaft	Weapons Related	Less than 20 kt
Borrego	09/29/82	NTS	Shaft	Weapons Related	Less than 150 kt
Bourbon	01/20/67	NTS	Shaft	Weapons Related	20 to 200 kt
Bouschet	05/07/82	NTS	Shaft	Weapons Related	20 to 150 kt
Boxcar	04/26/68	NTS	Shaft	Weapons Related	1.3 MT
Bravo Experimental thermonuclear device	02/28/54	Bikini	Surface	Weapons Related	15 MT

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Brazos Accidental release of radioactivity detected on site only	03/08/62	NTS	Shaft	Weapons Related	8.4 kt
Breton	09/13/84	NTS	Shaft	Weapons Related	20 to 150 kt
Brie	06/18/87	NTS	Shaft	Weapons Related	Less than 20 kt
Bristol	11/26/91	NTS	Shaft	Joint US-UK	Less than 20 kt
Bronze	07/23/65	NTS	Shaft	Weapons Related	20 to 200 kt
Buff	12/16/65	NTS	Shaft	Weapons Related	20 to 200 kt
Buggy Row charge experiment--five simultaneous detonations Release of radioactivity detected off site	03/12/68	NTS	Crater	Plowshare	5.4 kt
Bulkhead	04/27/77	NTS	Shaft	Weapons Related	20 to 150 kt
Bullfrog	08/30/88	NTS	Shaft	Weapons Related	Less than 150 kt
Bullion	06/13/90	NTS	Shaft	Weapons Related	20 to 150 kt
Bumping Operation Dominic	10/06/62	Johnston Island area	Airdrop	Weapons Related	Low
Burzet	08/03/79	NTS	Shaft	Weapons Related	20 to 150 kt
Buteo	05/12/65	NTS	Shaft	Weapons Related	Less than 20 kt
Butternut	05/11/58	Enewetak	Barge	Weapons Related	
Bye	07/16/64	NTS	Shaft	Weapons Related	20 to 200 kt
Caboc	12/16/81	NTS	Shaft	Weapons Related	Less than 20 kt
Cabra	03/26/83	NTS	Shaft	Weapons Related	20 to 150 kt
Cabrillo	03/07/75	NTS	Shaft	Weapons Related	20 to 200 kt
Cabriolet Release of radioactivity detected off site	01/26/68	NTS	Crater	Plowshare	2.3 kt
Cactus	05/05/58	Enewetak	Surface	Weapons Related	18 kt

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Calabash	10/29/69	NTS	Shaft	Weapons Related	110 kt
Calamity Operation Dominic	10/27/62	Johnston Island area	Airdrop	Weapons Related	Intermediate
Cambric	05/14/65	NTS	Shaft	Weapons Related	0.75 kt
Camembert	06/26/75	NTS	Shaft	Weapons Related	200 to 1000 kt
Camphor Accidental release of radioactivity detected on site only	06/29/71	NTS	Tunnel	Weapons Effects	Less than 20 kt
Campos	02/13/78	NTS	Shaft	Weapons Related	Less than 20 kt
Can	04/21/70	NTS	Shaft	Weapons Related	20 to 200 kt
Canfield	05/02/80	NTS	Shaft	Weapons Related	Less than 20 kt
Cannikin Test of warhead of Spartan missile	11/06/71	Amchitka	Shaft	Weapons Related	Less than 5 MT
Canvasback	08/22/64	NTS	Shaft	Weapons Related	Less than 20 kt
Caprock	05/31/84	NTS	Shaft	Weapons Related	20 to 150 kt
Carmel	02/21/63	NTS	Shaft	Weapons Related	Low
Carpetbag	12/17/70	NTS	Shaft	Weapons Related	220 kt
Cashmere	02/04/65	NTS	Shaft	Weapons Related	Less than 20 kt
Casselman	02/08/63	NTS	Shaft	Weapons Related	Low
Cathay	10/08/71	NTS	Shaft	Weapons Related	Less than 20 kt
Catron	10/24/58	NTS	Tower	Safety Experiment	21 tons
Cedar	07/02/58	Bikini	Barge	Weapons Related	
Centaur Accidental release of radioactivity detected on site only	08/27/65	NTS	Shaft	Weapons Related	Less than 20 kt
Ceres Radioactivity not detected off site	10/26/58	NTS	Tower	Safety Experiment	0.7 tons

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Cerise Accidental release of radioactivity detected on site only	11/18/66	NTS	Shaft	Weapons Related	Less than 20 kt
Cernada	09/24/81	NTS	Shaft	Weapons Related	Less than 20 kt
Cerro	09/02/82	NTS	Shaft	Weapons Related	Less than 20 kt
Chaenactis	12/14/71	NTS	Shaft	Weapons Related	20 to 200 kt
Chama Operation Dominic	10/18/62	Johnston Island area	Airdrop	Weapons Related	Low Megaton
Chamita	08/17/85	NTS	Shaft	Weapons Related	Less than 20 kt
Chancellor	09/01/83	NTS	Shaft	Weapons Related	20 to 150 kt
Charcoal	09/10/65	NTS	Shaft	Joint US-UK	20 to 200 kt
Charleston	09/28/57	NTS	Balloon	Weapons Related	12 kt
Charlie	10/30/51	NTS	Airdrop	Weapons Related	14 kt
Charlie	04/22/52	NTS	Airdrop	Weapons Related	31 kt
Chartreuse	05/06/66	NTS	Shaft	Weapons Related	73 kt
Chateaugay	06/28/68	NTS	Shaft	Weapons Related	20 to 200 kt
Chavez	10/27/58	NTS	Tower	Safety Experiment	0.6 tons
Checkmate DoD Event--Operation Fishbowl High altitude--tens of kilometers	10/20/62	Johnston Island area	Rocket	Weapons Effects	Low
Cheedam	02/17/83	NTS	Shaft	Weapons Related	Less than 20 kt
Chena Accidental release of radioactivity detected on site only	10/10/61	NTS	Tunnel	Weapons Related	Low
Cherokee First airdrop by U.S. of a thermonuclear weapon	05/20/56	Bikini	Airdrop	Weapons Related	Several MT
Cheshire	02/14/76	NTS	Shaft	Weapons Related	200 to 500 kt

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Chess	06/20/79	NTS	Shaft	Weapons Related	Less than 20 kt
Chetco Operation Dominic	05/19/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
Chevre	11/23/76	NTS	Shaft	Weapons Related	Less than 20 kt
Chiberta	12/20/75	NTS	Shaft	Weapons Related	20 to 200 kt
Chinchilla Accidental release of radioactivity detected on site only	02/19/62	NTS	Shaft	Weapons Related	1.9 kt
Chinchilla II Accidental release of radioactivity detected on site only	03/31/62	NTS	Shaft	Weapons Related	Low
Chipmunk	02/15/63	NTS	Shaft	Weapons Related	Low
Chocolate	04/21/67	NTS	Shaft	Weapons Related	Less than 20 kt
Cimarron	02/23/62	NTS	Shaft	Weapons Related	11.90 kt
Clairette	02/05/81	NTS	Shaft	Weapons Related	Less than 20 kt
Clarksmobile	05/17/68	NTS	Shaft	Weapons Related	20 to 200 kt
Clean Slate I Operation Roller Coaster Pu dispersal Radioactivity detected off site	05/25/63	Bombing Range	Surface	Storage-Transp.	Zero
Clean Slate II Operation Roller Coaster Pu dispersal Radioactivity not detected off site	05/31/63	Bombing Range	Surface	Storage-Transp.	Zero
Clean Slate III Operation Roller Coaster Pu dispersal Radioactivity detected off site	06/09/63	Bombing Range	Surface	Storage-Transp.	Zero
Clearwater	10/16/63	NTS	Shaft	Weapons Related	Intermediate
Climax	06/04/53	NTS	Airdrop	Weapons Related	61 kt

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Clymer	03/12/66	NTS	Shaft	Weapons Related	Less than 20 kt
Coalora	02/11/83	NTS	Shaft	Weapons Related	Less than 20 kt
Cobbler	11/08/67	NTS	Shaft	Weapons Related	Less than 20 kt
Codsaw Accidental release of radioactivity detected on site only	02/19/62	NTS	Shaft	Weapons Related	Low
Coffer	03/21/69	NTS	Shaft	Weapons Related	Less than 100 kt
Colby	03/14/76	NTS	Shaft	Weapons Related	500 to 1000 kt
Colfax Unstemmed hole Radioactivity not detected off site	10/05/58	NTS	Shaft	Safety Experiment	5.5 tons
Colwick	04/26/80	NTS	Shaft	Joint US-UK	20 to 150 kt
Commodore	05/20/67	NTS	Shaft	Weapons Related	250 kt
Comstock	06/02/88	NTS	Shaft	Weapons Related	Less than 150 kt
Contact	06/22/89	NTS	Shaft	Weapons Related	20 to 150 kt
Corduroy	12/03/65	NTS	Shaft	Weapons Related	20 to 200 kt
Cormorant Accidental release of radioactivity detected on site	07/17/64	NTS	Shaft	Joint US-UK	Less than 20 kt
Cornice	05/15/70	NTS	Shaft	Weapons Related	20 to 200 kt
Cornucopia	07/24/86	NTS	Shaft	Weapons Related	Less than 20 kt
Correo	08/02/84	NTS	Shaft	Weapons Related	Less than 20 kt
Coso	03/08/91	NTS	Shaft	Weapons Related	Less than 20 kt
Cottage	03/23/85	NTS	Shaft	Weapons Related	20 to 150 kt
Coulomb-A Radioactivity not detected off site	07/01/57	NTS	Surface	Safety Experiment	Zero
Coulomb-B	09/06/57	NTS	Surface	Safety Experiment	0.3 kt

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Coulomb-C	12/09/57	NTS	Surface	Safety Experiment	0.5 kt
Coulommiers	09/27/77	NTS	Shaft	Weapons Related	20 to 150 kt
Coypu	04/10/63	NTS	Shaft	Weapons Related	Low
Cream Accidental release of radioactivity detected on site only	12/16/70	NTS	Shaft	Weapons Related	Less than 20 kt
Crepe	12/05/64	NTS	Shaft	Weapons Related	20 to 200 kt
Crew	11/04/68	NTS	Shaft	Weapons Related	20 to 200 kt
Crewline	05/25/77	NTS	Shaft	Weapons Related	20 to 150 kt
Crowdie	05/05/83	NTS	Shaft	Weapons Related	Less than 20 kt
Cruet	10/29/69	NTS	Shaft	Weapons Related	11 kt
Cumarin	02/25/70	NTS	Shaft	Weapons Related	20 to 200 kt
Cumberland	04/11/63	NTS	Shaft	Weapons Related	Low
Cup	03/26/65	NTS	Shaft	Weapons Related	20 to 200 kt
Cyathus	03/06/70	NTS	Shaft	Weapons Related	8.7 kt
Cybar	07/17/86	NTS	Shaft	Weapons Related	20 to 150 kt
Cyclamen Included heavy element experiment	05/05/66	NTS	Shaft	Weapons Related	12 kt
Cypress	02/12/69	NTS	Tunnel	Weapons Effects	Less than 20 kt
Dahlhart	10/13/88	NTS	Shaft	Weapons Related	Less than 150 kt
Daiquiri	09/23/66	NTS	Shaft	Weapons Related	Less than 20 kt
Dakota	06/25/56	Bikini	Barge	Weapons Related	
Daman I	06/21/62	NTS	Shaft	Weapons Related	Low
Danablu	06/09/83	NTS	Shaft	Weapons Related	Less than 20 kt

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Danny Boy DoD Event Crater diameter 265 ft., depth 84 ft. in basalt Release of radioactivity detected off site	03/05/62	NTS	Crater	Weapons Effects	0.43 kt
Darwin	06/25/86	NTS	Shaft	Joint US-UK	20 to 150 kt
Dauphin	11/14/80	NTS	Shaft	Weapons Related	Less than 20 kt
De Baca	10/26/58	NTS	Balloon	Weapons Related	2.2 kt
Dead	04/21/62	NTS	Shaft	Weapons Related	Low
Delamar	04/18/87	NTS	Shaft	Weapons Related	20 to 150 kt
Delphinium	09/26/72	NTS	Shaft	Weapons Related	15 kt
Derringer Accidental release of radioactivity detected off site	09/12/66	NTS	Shaft	Weapons Effects	Less than 20 kt
Des Moines Accidental release of radioactivity detected off site	06/13/62	NTS	Tunnel	Weapons Related	Low
Diablo	07/15/57	NTS	Tower	Weapons Related	17 kt
Diablo Hawk DoD Event	09/13/78	NTS	Tunnel	Weapons Effects	Less than 20 kt
Diagonal Line DoD Event Accidental release of radioactivity detected off site by aircraft only	11/24/71	NTS	Shaft	Weapons Effects	Less than 20 kt
Diamond Ace DoD Event Simultaneous with Huron Landing	09/23/82	NTS	Tunnel	Weapons Effects	Less than 20 kt
Diamond Beech DoD Event	10/09/85	NTS	Tunnel	Weapons Effects	Less than 20 kt

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Diamond Dust DoD Event Nuclear test detection experiment	05/12/70	NTS	Tunnel	Vela Uniform	Less than 20 kt
Diamond Fortune DoD Event	04/30/92	NTS	Tunnel	Weapons Effects	Less than 20 kt
Diamond Mine DoD Event Nuclear test detection experiment	07/01/71	NTS	Tunnel	Vela Uniform	Less than 20 kt
Diamond Sculls DoD Event	07/20/72	NTS	Tunnel	Weapons Effects	Less than 20 kt
Diana Mist DoD Event	02/11/70	NTS	Tunnel	Weapons Effects	Less than 20 kt
Diana Moon DoD Event Accidental release of radioactivity detected on site only	08/27/68	NTS	Shaft	Weapons Effects	Less than 20 kt
Dido Queen DoD Event	06/05/73	NTS	Tunnel	Weapons Effects	Less than 20 kt
Diesel Train DoD Event	12/05/69	NTS	Tunnel	Weapons Effects	Less than 20 kt
Diluted Waters DoD Event Accidental release of radioactivity detected off site	06/16/65	NTS	Shaft	Weapons Effects	Less than 20 kt
Dining Car DoD Event	04/05/75	NTS	Tunnel	Weapons Effects	Less than 20 kt
Discus Thrower DoD Event	05/27/66	NTS	Shaft	Weapons Effects	22 kt
Disko Elm DoD Event	09/14/89	NTS	Tunnel	Weapons Effects	Less than 20 kt
Distant Zenith	09/19/91	NTS	Tunnel	Weapons Effects	Less than 20 kt

Announced United States Nuclear Tests -- By Event					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Divider Test to ensure the safety of U.S. deterrent forces	09/23/92	NTS	Shaft	Weapons Related	Less than 20 kt
Dixie	04/06/53	NTS	Airdrop	Weapons Related	11 kt
Dog	04/07/51	Enewetak	Tower	Weapons Related	
Dog	11/01/51	NTS	Airdrop	Weapons Related	21 kt
Dog	05/01/52	NTS	Airdrop	Weapons Related	19 kt
Dogwood	07/05/58	Enewetak	Barge	Weapons Related	
Dolcetto	08/30/84	NTS	Shaft	Weapons Related	Less than 20 kt
Dona Ana	10/16/58	NTS	Balloon	Weapons Related	37 tons
Door Mist DoD Event Accidental release of radioactivity detected off site	08/31/67	NTS	Tunnel	Weapons Effects	Less than 20 kt
Doppler	08/23/57	NTS	Balloon	Weapons Related	11 kt
Dormouse	01/30/62	NTS	Shaft	Weapons Related	Low
Dormouse Prime	04/05/62	NTS	Shaft	Weapons Related	10.6 kt
Dorsal Fin DoD Event	02/29/68	NTS	Tunnel	Weapons Effects	Less than 20 kt
Double Play DoD Event Accidental release of radioactivity detected off site	06/15/66	NTS	Tunnel	Weapons Effects	Less than 20 kt
Double Tracks Operation Roller Coaster Pu dispersal Radioactivity detected off site	05/15/63	Bombing Range	Surface	Storage-Transp.	Zero
Dovekie	01/21/66	NTS	Shaft	Weapons Related	Less than 20 kt
Draughts	09/27/78	NTS	Shaft	Weapons Related	20 to 150 kt

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Drill Accidental release of radioactivity detected off site	12/05/64	NTS	Shaft	Weapons Related	3.4 kt
Dub Device development Accidental release of radioactivity detected on site only	06/30/64	NTS	Shaft	Plowshare	Less than 20 kt
Dulce Operation Dominic	06/17/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
Dumont	05/19/66	NTS	Shaft	Weapons Related	20 to 200 kt
Duoro	06/20/84	NTS	Shaft	Weapons Related	20 to 150 kt
Duryea	04/14/66	NTS	Shaft	Weapons Related	70 kt
Dutchess	10/24/80	NTS	Shaft	Joint US-UK	Less than 20 kt
Eagle Accidental release of radioactivity detected off site	12/12/63	NTS	Shaft	Weapons Related	Low
Easy	02/01/51	NTS	Airdrop	Weapons Related	1 kt
Easy	04/20/51	Enewetak	Tower	Weapons Related	47 kt
Easy	11/05/51	NTS	Airdrop	Weapons Related	31 kt
Easy	05/07/52	NTS	Tower	Weapons Related	12 kt
Ebbtide	09/15/77	NTS	Shaft	Weapons Related	Less than 20 kt
Edam	04/24/75	NTS	Shaft	Weapons Related	20 to 200 kt
Eddy	09/19/58	NTS	Balloon	Weapons Related	83 tons
Eel Accidental release of radioactivity detected off site	05/19/62	NTS	Shaft	Weapons Related	Low
Effendi	04/27/67	NTS	Shaft	Weapons Related	Less than 20 kt
Egmont	12/09/84	NTS	Shaft	Joint US-UK	20 to 150 kt

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Elder	06/27/58	Enewetak	Barge	Weapons Related	
Elkhart	09/17/65	NTS	Shaft	Weapons Related	Less than 20 kt
Embudo	06/16/71	NTS	Shaft	Weapons Related	Less than 20 kt
Emerson Accidental release of radioactivity detected on site only	12/16/65	NTS	Shaft	Weapons Related	Less than 20 kt
Emmenthal	11/02/78	NTS	Shaft	Weapons Related	Less than 20 kt
Encino Operation Dominic	05/12/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
Encore	05/08/53	NTS	Airdrop	Weapons Effects	27 kt
Erie	05/30/56	Enewetak	Tower	Weapons Related	
Ermine	03/06/62	NTS	Shaft	Weapons Related	Low
Escabosa	07/10/74	NTS	Shaft	Weapons Related	20 to 200 kt
Esrom	02/04/76	NTS	Shaft	Weapons Related	20 to 200 kt
Ess	03/23/55	NTS	Crater	Weapons Effects	1 kt
Estuary	03/09/76	NTS	Shaft	Weapons Related	200 to 500 kt
Evans Venting Radioactivity not detected off site	10/29/58	NTS	Tunnel	Weapons Related	55 tons
Fade Accidental release of radioactivity detected on site only	06/25/64	NTS	Shaft	Weapons Related	Less than 20 kt
Fahada	05/26/83	NTS	Shaft	Weapons Related	Less than 20 kt
Fajy	06/28/79	NTS	Shaft	Weapons Related	20 to 150 kt
Fallon	05/23/74	NTS	Shaft	Joint US-UK	20 to 200 kt
Farallones	12/14/77	NTS	Shaft	Weapons Related	20 to 150 kt
Farm	12/16/78	NTS	Shaft	Weapons Related	20 to 150 kt

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Faultless Seismic calibration	01/19/68	Central Nevada	Shaft	Weapons Related	200 to 1000 kt
Fawn	04/07/67	NTS	Shaft	Weapons Related	Less than 20 kt
Feather Accidental release of radioactivity detected off site	12/22/61	NTS	Tunnel	Weapons Related	Low
Fenton Accidental release of radioactivity detected off site by aircraft only	04/23/66	NTS	Shaft	Weapons Related	Less than 20 kt
Ferret	02/08/63	NTS	Shaft	Weapons Related	Low
Ferret Prime	04/05/63	NTS	Shaft	Weapons Related	Low
Fig	08/18/58	Enewetak	Surface	Weapons Related	
Finfoot Accidental release of radioactivity detected on site only	03/07/66	NTS	Shaft	Weapons Related	Less than 20 kt
Fir	05/11/58	Bikini	Barge	Weapons Related	
Fisher Accidental release of radioactivity detected on site only	12/03/61	NTS	Shaft	Weapons Related	13.4 kt
Fizeau	09/14/57	NTS	Tower	Weapons Related	11 kt
Flask Operational release of radioactivity detected on site only	05/26/70	NTS	Shaft	Plowshare	105 kt
Flathead	06/11/56	Bikini	Barge	Weapons Related	
Flax	12/21/72	NTS	Shaft	Weapons Related	20 to 200 kt
Flora	05/22/80	NTS	Shaft	Weapons Related	Less than 20 kt
Floydada	08/15/91	NTS	Shaft	Weapons Related	Less than 20 kt
Fob	01/23/70	NTS	Shaft	Weapons Related	Less than 20 kt

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Fondutta	04/11/78	NTS	Shaft	Joint US-UK	20 to 150 kt
Fontina	02/12/76	NTS	Shaft	Weapons Related	200 to 1000 kt
Fore	01/16/64	NTS	Shaft	Weapons Related	20 to 200 kt
Forest	10/31/64	NTS	Shaft	Weapons Related	Less than 20 kt
Fox	02/06/51	NTS	Airdrop	Weapons Related	22 kt
Fox	05/25/52	NTS	Tower	Weapons Related	11 kt
Franklin	06/02/57	NTS	Tower	Weapons Related	140 tons
Franklin Prime	08/30/57	NTS	Balloon	Weapons Related	4.7 kt
Frigate Bird Operation Dominic North 4 degrees 50 minutes, West 149 degrees 25 minutes Warhead in missile launched from Polaris submarine	05/06/62	Pacific	Rocket	Weapons Related	
Frisco	09/23/82	NTS	Shaft	Weapons Related	20 to 150 kt
Galena	06/23/92	NTS	Shaft	Weapons Related	Less than 20 kt
Galileo	09/02/57	NTS	Tower	Weapons Related	11 kt
Ganymede Contained in surface structure No radioactive release detected	10/30/58	NTS	Surface	Safety Experiment	Zero
Gasbuggy Joint Government/industry gas stimulation experiment	12/10/67	Farmington	Shaft	Plowshare	29 kt
Gascon	11/14/86	NTS	Shaft	Weapons Related	20 to 150 kt
George	05/08/51	Enewetak	Tower	Weapons Related	
George	06/01/52	NTS	Tower	Weapons Related	15 kt
Gerbil	03/29/63	NTS	Shaft	Weapons Related	Low
Gibne	04/25/82	NTS	Shaft	Joint US-UK	20 to 150 kt

Announced United States Nuclear Tests -- By Event

Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Glencoe Operational release of radioactivity detected off site	03/22/86	NTS	Shaft	Weapons Related	20 to 150 kt
Gnome Multiple-purpose experiment in salt Formed cavity 160-170 ft. diameter, 60-80 ft. high Accidental release of radioactivity detected off site	12/10/61	Carlsbad	Shaft	Plowshare	3 kt
Goldstone	12/28/85	NTS	Shaft	Weapons Related	20 to 150 kt
Gorbea	01/31/84	NTS	Shaft	Weapons Related	20 to 150 kt
Grable Fired from 280mm gun	05/25/53	NTS	Airburst	Weapons Related	15 kt
Grape A	12/17/69	NTS	Shaft	Weapons Related	20 to 200 kt
Grape B	02/04/70	NTS	Shaft	Weapons Related	20 to 200 kt
Greeley	12/20/66	NTS	Shaft	Weapons Related	870 kt
Greys	11/22/63	NTS	Shaft	Weapons Related	Intermediate
Grunion	10/11/63	NTS	Shaft	Weapons Related	Low
Guanay	09/04/64	NTS	Shaft	Weapons Related	Less than 20 kt
Gum Drop DoD Event	04/21/65	NTS	Tunnel	Weapons Effects	Less than 20 kt
Gundi	11/15/62	NTS	Shaft	Weapons Related	Low
Gundi Prime	05/09/63	NTS	Shaft	Weapons Related	Low
HA (High Altitude)	04/06/55	NTS	Airdrop	Weapons Effects	3 kt
Haddock	08/28/64	NTS	Shaft	Weapons Related	Less than 20 kt
Halfbeak	06/30/66	NTS	Shaft	Weapons Related	365 kt
Hamilton	10/15/58	NTS	Tower	Weapons Related	1.2 tons

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Handcar Effects of contained explosion in carbonate rock Accidental release of radioactivity detected on site only	11/05/64	NTS	Shaft	Plowshare	12 kt
Handley	03/26/70	NTS	Shaft	Weapons Related	More than 1 MT
Hard Hat DoD Event Accidental release of radioactivity detected on site only	02/15/62	NTS	Shaft	Weapons Effects	5.7 kt
Hardin	04/30/87	NTS	Shaft	Weapons Related	20 to 150 kt
Harebell	06/24/71	NTS	Shaft	Weapons Related	20 to 200 kt
Harkee	05/17/63	NTS	Shaft	Weapons Related	Low
Harlem Operation Dominic	06/12/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
Harry	05/19/53	NTS	Tower	Weapons Related	32 kt
Harzer	06/06/81	NTS	Shaft	Weapons Related	20 to 150 kt
Hatchie	02/08/63	NTS	Shaft	Weapons Related	Low
Havarti	08/05/81	NTS	Shaft	Weapons Related	Less than 20 kt
Haymaker Accidental release of radioactivity detected on site only	06/27/62	NTS	Shaft	Weapons Related	67 kt
Hazebrook	02/03/87	NTS	Shaft	Weapons Related	Less than 20 kt
Hearts Detonation destroyed Transom device that did not detonate on 05/10/78	09/06/79	NTS	Shaft	Weapons Related	20 to 150 kt
Hermosa	04/02/85	NTS	Shaft	Weapons Related	20 to 150 kt
Hickory	06/29/58	Bikini	Barge	Weapons Related	
Hidalgo	10/05/58	NTS	Balloon	Safety Experiment	77 tons

Announced United States Nuclear Tests -- By Event					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Hod Accidental release of radioactivity detected on site only	05/01/70	NTS	Shaft	Weapons Related	Less than 20 kt
Hognose	03/15/62	NTS	Shaft	Weapons Related	Low
Holly	05/20/58	Enewetak	Barge	Weapons Related	
Hood	07/05/57	NTS	Balloon	Weapons Related	74 kt
Hook Accidental release of radioactivity detected on site only	04/14/64	NTS	Shaft	Weapons Related	Less than 20 kt
Hoosic	03/28/62	NTS	Shaft	Weapons Related	3.40 kt
Hornet	03/12/55	NTS	Tower	Weapons Related	4 kt
Hornitos	10/31/89	NTS	Shaft	Weapons Related	20 to 150 kt
Hosta	02/12/82	NTS	Shaft	Weapons Related	20 to 150 kt
Housatonic Operation Dominic	10/30/62	Johnston Island area	Airdrop	Weapons Related	Megaton Range
Houston	11/14/90	NTS	Shaft	Joint US-UK	20 to 150 kt
How	06/05/52	NTS	Tower	Weapons Related	14 kt
Hoya Treaty verification event	09/14/91	NTS	Shaft	Weapons Related	20 to 150 kt
Hudson	04/12/62	NTS	Shaft	Weapons Related	Low
Hudson Moon DoD Event Accidental release of radioactivity detected on site only	05/26/70	NTS	Tunnel	Weapons Related	Less than 20 kt
Hudson Seal DoD Event	09/24/68	NTS	Tunnel	Weapons Effects	Less than 20 kt
Humboldt	10/29/58	NTS	Tower	Weapons Related	7.8 tons

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Hunters Trophy DoD Event Test to ensure the reliability of U.S. deterrent forces	09/18/92	NTS	Tunnel	Weapons Effects	Less than 20 kt
Hupmobile Accidental release of radioactivity detected off site	01/18/68	NTS	Shaft	Weapons Effects	7.4 kt
Huron	07/21/56	Enewetak	Barge	Weapons Related	
Huron King DoD Event	06/24/80	NTS	Shaft	Weapons Effects	Less than 20 kt
Huron Landing DoD Event Simultaneous with Diamond Ace	09/23/82	NTS	Tunnel	Weapons Effects	Less than 20 kt
Husky Ace DoD Event	10/12/73	NTS	Tunnel	Weapons Effects	Less than 20 kt
Husky Pup DoD Event	10/24/75	NTS	Tunnel	Weapons Effects	Less than 20 kt
Hutch	07/16/69	NTS	Shaft	Weapons Related	20 to 200 kt
Hutia	06/06/63	NTS	Shaft	Weapons Related	Low
Hybla Fair DoD Event	10/28/74	NTS	Tunnel	Weapons Effects	Less than 20 kt
Hybla Gold DoD Event	11/01/77	NTS	Tunnel	Weapons Effects	Less than 20 kt
Hyrax	09/14/62	NTS	Shaft	Weapons Related	Low
Iceberg	03/23/78	NTS	Shaft	Weapons Related	20 to 150 kt
Ildrim	07/16/69	NTS	Shaft	Weapons Related	20 to 200 kt
Inca	06/21/56	Enewetak	Tower	Weapons Related	
Ingot	03/09/89	NTS	Shaft	Weapons Related	20 to 150 kt
Inlet	11/20/75	NTS	Shaft	Weapons Related	200 to 1000 kt

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Islay	08/27/81	NTS	Shaft	Weapons Related	Less than 20 kt
Item First test of the boosting principle	05/24/51	Enewetak	Tower	Weapons Related	
Jal	03/19/70	NTS	Shaft	Weapons Related	Less than 20 kt
Jefferson	04/22/86	NTS	Shaft	Weapons Related	20 to 150 kt
Jerboa	03/01/63	NTS	Shaft	Weapons Related	Low
John Air-to-air missile	07/19/57	NTS	Rocket	Weapons Effects	About 2 kt
Johnnie Boy Slightly below ground DoD Event--Operation Sunbeam Release of radioactivity detected off site	07/11/62	NTS	Crater	Weapons Effects	0.5 kt
Jornada	01/28/82	NTS	Shaft	Weapons Related	20 to 150 kt
Jorum	09/16/69	NTS	Shaft	Weapons Related	Less than 1 MT
Junction Treaty verification event	03/26/92	NTS	Shaft	Weapons Related	20 to 150 kt
Juniper	07/22/58	Bikini	Barge	Weapons Related	
Juno Fired in surface structure Radioactivity not detected off site	10/24/58	NTS	Surface	Safety Experiment	1.7 tons
Kankakee	06/15/66	NTS	Shaft	Weapons Related	20 to 200 kt
Kappeli	07/25/84	NTS	Shaft	Weapons Related	20 to 150 kt
Kash	06/12/80	NTS	Shaft	Weapons Related	20 to 150 kt
Kasseri	10/28/75	NTS	Shaft	Weapons Related	200 to 1000 kt
Kaweah Device development	02/21/63	NTS	Shaft	Plowshare	Low
Kawich	02/24/89	NTS	Shaft	Weapons Related	Less than 20 kt
Kearsarge	08/17/88	NTS	Shaft	Weapons Related	Less than 150 kt

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Keelson	02/04/76	NTS	Shaft	Weapons Related	20 to 200 kt
Kennebec Accidental release of radioactivity detected on site only	06/25/63	NTS	Shaft	Weapons Related	Low
Kepler	07/24/57	NTS	Tower	Weapons Related	10 kt
Kernville	02/15/88	NTS	Shaft	Weapons Related	20 to 150 kt
Kesti	06/16/82	NTS	Shaft	Weapons Related	Less than 20 kt
Kestrel	04/05/65	NTS	Shaft	Weapons Related	Less than 20 kt
Kickapoo	06/13/56	Enewetak	Tower	Weapons Related	
King	11/15/52	Enewetak	Airdrop	Weapons Related	500 kt
Kingfish DoD Event--Operation Fishbowl High altitude--tens of kilometers	11/01/62	Johnston Island area	Rocket	Weapons Effects	Submegaton
Kinibito	12/05/85	NTS	Shaft	Joint US-UK	20 to 150 kt
Klickitat Device development	02/20/64	NTS	Shaft	Plowshare	20 to 200 kt
Kloster	02/15/79	NTS	Shaft	Weapons Related	20 to 150 kt
Knickerbocker	05/26/67	NTS	Shaft	Weapons Related	76 kt
Knife A	09/12/68	NTS	Shaft	Weapons Related	Less than 20 kt
Knife B	11/15/68	NTS	Shaft	Weapons Related	Less than 20 kt
Knife C	10/03/68	NTS	Shaft	Weapons Related	Less than 20 kt
Knox	02/21/68	NTS	Shaft	Weapons Related	20 to 200 kt
Koa	05/12/58	Enewetak	Surface	Weapons Related	1.37 MT
Kohocton	08/23/63	NTS	Shaft	Weapons Related	Low
Koon	04/06/54	Bikini	Surface	Weapons Related	110 kt

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Kootanai Accidental release of radioactivity detected on site only	04/24/63	NTS	Shaft	Weapons Related	Low
Kryddost	05/06/82	NTS	Shaft	Weapons Related	Less than 20 kt
Laban	08/03/83	NTS	Shaft	Weapons Related	Less than 20 kt
Labis	02/05/70	NTS	Shaft	Weapons Related	25 kt
Labquark	09/30/86	NTS	Shaft	Weapons Related	20 to 150 kt
Lacrosse	05/04/56	Enewetak	Surface	Weapons Related	40 kt
Laguna	06/23/71	NTS	Shaft	Weapons Related	20 to 200 kt
Lampblack	01/18/66	NTS	Shaft	Weapons Related	20 to 200 kt
Lanpher	10/18/67	NTS	Shaft	Weapons Related	20 to 200 kt
Laplace	09/08/57	NTS	Balloon	Weapons Related	1 kt
Laredo	05/21/88	NTS	Shaft	Weapons Related	Less than 150 kt
Lassen Radioactivity not detected off site	06/05/57	NTS	Balloon	Weapons Related	0.5 tons
Latir	02/27/74	NTS	Shaft	Weapons Related	20 to 200 kt
Lea	10/13/58	NTS	Balloon	Weapons Related	1.4 kt
Ledoux	09/27/90	NTS	Shaft	Weapons Effects	Less than 20 kt
Leyden	11/26/75	NTS	Shaft	Weapons Related	Less than 20 kt
Lime	04/01/66	NTS	Shaft	Weapons Related	Less than 20 kt
Linden	06/18/58	Enewetak	Barge	Weapons Related	
Liptauer	04/03/80	NTS	Shaft	Weapons Related	20 to 150 kt
Little Feller I Slightly above ground DoD Event--Operation Sunbeam Release of radioactivity detected off site	07/17/62	NTS	Surface	Weapons Effects	Low

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Little Feller II Slightly above ground DoD Event--Operation Sunbeam Radioactivity not detected off site	07/07/62	NTS	Surface	Weapons Effects	Low
Lockney	09/24/87	NTS	Shaft	Weapons Related	20 to 150 kt
Logan No radioactive release detected	10/16/58	NTS	Tunnel	Weapons Related	5 kt
Long Shot DoD Event Nuclear test detection experiment	10/29/65	Amchitka	Shaft	Vela Uniform	About 80 kt
Longchamps	04/19/72	NTS	Shaft	Weapons Related	Less than 20 kt
Lovage	12/17/69	NTS	Shaft	Weapons Related	Less than 20 kt
Lowball	07/12/78	NTS	Shaft	Weapons Related	20 to 150 kt
Lubbock	10/18/91	NTS	Shaft	Weapons Related	20 to 150 kt
Luna Unstemmed hole Radioactivity not detected off site	09/21/58	NTS	Shaft	Safety Experiment	1.5 tons
Mad Accidental release of radioactivity detected on site only	12/13/61	NTS	Shaft	Weapons Related	0.50 kt
Madison	12/12/62	NTS	Tunnel	Weapons Related	Low
Magnolia	05/26/58	Enewetak	Barge	Weapons Related	
Manatee	12/14/62	NTS	Shaft	Weapons Related	Low
Manteca	12/10/82	NTS	Shaft	Weapons Related	20 to 150 kt
Manzanas Accidental release of radioactivity detected on site only	05/21/70	NTS	Shaft	Weapons Related	Less than 20 kt
Maple	06/10/58	Bikini	Barge	Weapons Related	
Maribo	06/26/85	NTS	Shaft	Weapons Related	Less than 20 kt

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Mars Slight venting, radioactivity not detected off site	09/28/58	NTS	Tunnel	Safety Experiment	13 tons
Marsh	09/06/75	NTS	Shaft	Weapons Related	Less than 20 kt
Marshmallow DoD Event Accidental release of radioactivity detected on site only	06/28/62	NTS	Tunnel	Weapons Effects	Low
Marsilly	04/05/77	NTS	Shaft	Weapons Related	20 to 150 kt
Marvel Emplacement technique experiment Accidental release of radioactivity detected on site only	09/21/67	NTS	Shaft	Plowshare	2.2 kt
Mast	06/19/75	NTS	Shaft	Weapons Related	200 to 1000 kt
Mataco	06/14/63	NTS	Shaft	Weapons Related	Low
Mauve	08/06/65	NTS	Shaft	Weapons Related	Less than 20 kt
Maxwell	01/13/66	NTS	Shaft	Weapons Related	Less than 20 kt
Mazama No radioactive release detected	10/29/58	NTS	Tower	Weapons Related	Zero
Memory	03/14/79	NTS	Shaft	Weapons Related	Less than 20 kt
Mercury No radioactive release detected	09/23/58	NTS	Tunnel	Safety Experiment	Slight
Merlin Accidental release of radioactivity detected on site only	02/16/65	NTS	Shaft	Weapons Related	10.1 kt
Merrimac Accidental release of radioactivity detected on site only	07/13/62	NTS	Shaft	Weapons Related	Intermediate
Mesilla Operation Dominic	05/09/62	Christmas Island area	Airdrop	Weapons Related	Intermediate

Announced United States Nuclear Tests -- By Event					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Met	04/15/55	NTS	Tower	Weapons Effects	22 kt
Metropolis	03/10/90	NTS	Shaft	Weapons Related	20 to 150 kt
Mickey	05/10/67	NTS	Shaft	Weapons Related	20 to 200 kt
Midas Myth/Milagro DoD Event	02/15/84	NTS	Tunnel	Weapons Effects	Less than 20 kt
Middle Note DoD Event	03/18/87	NTS	Tunnel	Weapons Effects	Less than 20 kt
Midi Mist DoD Event Controlled release of radioactivity detected off site	06/26/67	NTS	Tunnel	Weapons Effects	Less than 20 kt
Midland	07/16/87	NTS	Shaft	Joint US-UK	20 to 150 kt
Miera	03/08/73	NTS	Shaft	Weapons Related	20 to 200 kt
Mighty Epic DoD Event	05/12/76	NTS	Tunnel	Weapons Effects	Less than 20 kt
Mighty Oak DoD Event Controlled release of radioactivity detected off site	04/10/86	NTS	Tunnel	Weapons Effects	Less than 20 kt
Mike Experimental thermonuclear device	10/31/52	Enewetak	Surface	Weapons Related	10.4 MT
Milk Shake DoD Event Accidental release of radioactivity detected on site only	03/25/68	NTS	Shaft	Weapons Effects	Less than 20 kt
Mill Yard DoD Event	10/09/85	NTS	Tunnel	Weapons Effects	Less than 20 kt
Milrow Seismic calibration	10/02/69	Amchitka	Shaft	Weapons Related	About 1 MT

Announced United States Nuclear Tests -- By Event					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Mineral Quarry DoD Event	07/25/90	NTS	Tunnel	Weapons Effects	Less than 20 kt
Miners Iron DoD Event	10/31/80	NTS	Tunnel	Weapons Effects	Less than 20 kt
Ming Blade DoD Event	06/19/74	NTS	Tunnel	Weapons Effects	Less than 20 kt
Ming Vase DoD Event	11/20/68	NTS	Tunnel	Weapons Effects	Less than 20 kt
Mini Jade DoD Event	05/26/83	NTS	Tunnel	Weapons Effects	Less than 20 kt
Miniata Device development experiment	07/08/71	NTS	Shaft	Plowshare	83 kt
Mink Accidental release of radioactivity detected on site only	10/29/61	NTS	Shaft	Weapons Related	Low
Minnow	05/15/64	NTS	Shaft	Weapons Related	Less than 20 kt
Mint Leaf DoD Event Controlled release of radioactivity detected off site	05/05/70	NTS	Tunnel	Weapons Effects	Less than 20 kt
Minute Steak DoD Event Accidental release of radioactivity detected on site only	09/12/69	NTS	Shaft	Weapons Effects	Less than 20 kt
Mission Cyber DoD Event	12/02/87	NTS	Tunnel	Weapons Effects	Less than 20 kt
Mission Ghost DoD Event	06/20/87	NTS	Tunnel	Weapons Effects	Less than 20 kt
Mississippi	10/05/62	NTS	Shaft	Weapons Related	115 kt
Misty Echo DoD Event	12/10/88	NTS	Tunnel	Weapons Effects	Less than 150 kt

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Misty North DoD Event	05/02/72	NTS	Tunnel	Weapons Effects	Less than 20 kt
Misty Rain DoD Event Controlled release of radioactivity detected off site	04/06/85	NTS	Tunnel	Weapons Effects	Less than 20 kt
Mizzen	06/03/75	NTS	Shaft	Weapons Related	20 to 200 kt
Mohawk	07/02/56	Enewetak	Tower	Weapons Related	
Molbo	02/12/82	NTS	Shaft	Weapons Related	20 to 150 kt
Monero	05/19/72	NTS	Shaft	Weapons Related	Less than 20 kt
Montello	04/16/91	NTS	Shaft	Weapons Related	20 to 150 kt
Monterey	07/29/82	NTS	Shaft	Weapons Related	20 to 150 kt
Mora	09/29/58	NTS	Balloon	Weapons Related	2 kt
Morgan	10/07/57	NTS	Balloon	Weapons Related	8 kt
Morrones	05/21/70	NTS	Shaft	Weapons Related	20 to 200 kt
Moth	02/22/55	NTS	Tower	Weapons Related	2 kt
Mudpack* DoD Event	12/16/64	NTS	Shaft	Weapons Effects	2.7 kt
Muenster	01/03/76	NTS	Shaft	Weapons Related	200 to 1000 kt
Muleshoe	11/15/89	NTS	Shaft	Weapons Related	Less than 20 kt
Mundo	05/01/84	NTS	Shaft	Joint US-UK	20 to 150 kt
Muskegon Operation Dominic	05/11/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
Mustang	11/15/63	NTS	Shaft	Weapons Related	Low
Nambe Operation Dominic	05/27/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
Nancy	03/24/53	NTS	Tower	Weapons Related	24 kt

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Nash Accidental release of radioactivity detected off site	01/19/67	NTS	Shaft	Weapons Related	20 to 200 kt
Navajo	07/10/56	Bikini	Barge	Weapons Related	
Nebbiolo	06/24/82	NTS	Shaft	Weapons Related	20 to 150 kt
Nectar	05/13/54	Enewetak	Barge	Weapons Related	1.69 MT
Neptune Slight venting Radioactivity not detected off site	10/14/58	NTS	Tunnel	Safety Experiment	115 tons
Nessel	08/29/79	NTS	Shaft	Joint US-UK	20 to 150 kt
New Point DoD Event Accidental release of radioactivity detected on site only	12/13/66	NTS	Shaft	Weapons Effects	Less than 20 kt
Newark	09/29/66	NTS	Shaft	Weapons Related	Less than 20 kt
Newton	09/16/57	NTS	Balloon	Weapons Related	12 kt
Nightingale Simultaneous with Rhyolite	06/22/88	NTS	Shaft	Safety Experiment	Less than 150 kt
Niza	07/10/81	NTS	Shaft	Weapons Related	Less than 20 kt
Noggin	09/06/68	NTS	Shaft	Weapons Related	20 to 200 kt
Noor	04/10/68	NTS	Shaft	Weapons Related	20 to 200 kt
Norbo	03/08/80	NTS	Shaft	Weapons Related	Less than 20 kt
Numbat	12/12/62	NTS	Shaft	Weapons Related	Low
Nutmeg	05/21/58	Bikini	Barge	Weapons Related	
Oak	06/28/58	Enewetak	Barge	Weapons Related	8.9 MT
Obar	04/30/75	NTS	Shaft	Weapons Related	20 to 200 kt
Oberon No radioactive release detected	10/22/58	NTS	Tower	Safety Experiment	Zero

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Oconto Operational release of radioactivity detected off site	01/23/64	NTS	Shaft	Weapons Related	Less than 20 kt
Offshore	08/08/79	NTS	Shaft	Weapons Related	20 to 150 kt
Olive	07/22/58	Enewetak	Barge	Weapons Related	
Orange DoD Event--Operation Newsreel High altitude--approx. 43 kilometers	08/12/58	Johnston Island area	Rocket	Weapons Effects	Megaton range
Osage	06/16/56	Enewetak	Airdrop	Weapons Related	
Oscuro	09/21/72	NTS	Shaft	Weapons Related	20 to 200 kt
Otero Unstemmed hole	09/12/58	NTS	Shaft	Safety Experiment	38 tons
Otowi Operation Dominic	06/22/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
Owens	07/25/57	NTS	Balloon	Weapons Related	9.7 kt
Paca Accidental release of radioactivity detected on site only	05/07/62	NTS	Shaft	Weapons Related	Low
Packard Accidental release of radioactivity detected on site only	01/15/69	NTS	Shaft	Weapons Effects	10 kt
Packrat	06/06/62	NTS	Shaft	Weapons Related	Low
Paisano Accidental release of radioactivity detected on site only	04/24/63	NTS	Shaft	Weapons Related	Low
Palanquin Release of radioactivity detected off site	04/14/65	NTS	Crater	Plowshare	4.3 kt
Palisade	05/15/89	NTS	Shaft	Weapons Related	Less than 20 kt
Paliza	10/01/81	NTS	Shaft	Weapons Related	20 to 150 kt

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Pamlico Operation Dominic	07/11/62	Christmas Island area	Airdrop	Weapons Related	Low Megaton
Pampas Accidental release of radioactivity detected off site	03/01/62	NTS	Shaft	Joint US-UK	Low
Panamint	05/21/86	NTS	Shaft	Weapons Related	Less than 20 kt
Panchuela	06/30/87	NTS	Shaft	Weapons Related	Less than 20 kt
Panir	08/31/78	NTS	Shaft	Weapons Related	20 to 150 kt
Par Isotope production and explosive development	10/09/64	NTS	Shaft	Plowshare	38 kt
Parrot Accidental release of radioactivity detected off site	12/16/64	NTS	Shaft	Weapons Related	1.3 kt
Pascal-A Unstemmed hole	07/26/57	NTS	Shaft	Safety Experiment	Slight
Pascal-B Unstemmed hole No radioactive release detected	08/27/57	NTS	Shaft	Safety Experiment	
Pascal-C Unstemmed hole Radioactivity not detected off site	12/06/57	NTS	Shaft	Safety Experiment	Slight
Passaic	04/06/62	NTS	Shaft	Weapons Related	Low
Peba	09/20/62	NTS	Shaft	Weapons Related	Low
Pedernal	09/29/71	NTS	Shaft	Weapons Related	Less than 20 kt
Pekan	08/12/63	NTS	Shaft	Weapons Related	Low
Pepato	06/11/79	NTS	Shaft	Weapons Related	20 to 150 kt
Pera	09/08/79	NTS	Shaft	Weapons Related	Less than 20 kt
Persimmon	02/23/67	NTS	Shaft	Weapons Related	Less than 20 kt

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Petit Operation Dominic	06/19/62	Christmas Island area	Airdrop	Weapons Related	Low
Petrel	06/11/65	NTS	Shaft	Weapons Related	1.3 kt
Piccalilli	11/21/69	NTS	Shaft	Weapons Related	20 to 200 kt
Pike Accidental release of radioactivity detected off site	03/13/64	NTS	Shaft	Weapons Related	Less than 20 kt
Pile Driver DoD Event Accidental release of radioactivity detected on site only	06/02/66	NTS	Tunnel	Weapons Effects	62 kt
Pin Stripe DoD Event Accidental release of radioactivity detected off site	04/25/66	NTS	Shaft	Weapons Effects	Less than 20 kt
Pine	07/26/58	Enewetak	Barge	Weapons Related	
Pineau	07/16/81	NTS	Shaft	Weapons Related	Less than 20 kt
Pipefish Accidental release of radioactivity detected on site only	04/29/64	NTS	Shaft	Weapons Related	Less than 20 kt
Pipkin	10/08/69	NTS	Shaft	Weapons Related	200 to 1000 kt
Piranha	05/13/66	NTS	Shaft	Weapons Related	20 to 200 kt
Pisonia	07/17/58	Enewetak	Barge	Weapons Related	
Plaid II Accidental release of radioactivity detected on site only	02/03/66	NTS	Shaft	Weapons Related	Less than 20 kt
Platte Accidental release of radioactivity detected off site	04/14/62	NTS	Tunnel	Weapons Related	1.85 kt

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Platypus Accidental release of radioactivity detected on site only	02/24/62	NTS	Shaft	Weapons Related	Low
Pleasant Accidental release of radioactivity detected on site only	05/29/63	NTS	Shaft	Weapons Related	Low
Pliers Accidental release of radioactivity detected on site only	08/27/69	NTS	Shaft	Weapons Related	Less than 20 kt
Pod Accidental release of radioactivity detected off site	10/29/69	NTS	Shaft	Weapons Related	20 to 200 kt
Pommard	03/14/68	NTS	Shaft	Weapons Related	1.5 kt
Ponil	09/27/85	NTS	Shaft	Weapons Related	Less than 20 kt
Pool	03/17/76	NTS	Shaft	Weapons Related	200 to 500 kt
Poplar	07/12/58	Bikini	Barge	Weapons Related	
Portmanteau	08/30/74	NTS	Shaft	Weapons Related	20 to 200 kt
Portulaca	06/28/73	NTS	Shaft	Weapons Related	20 to 200 kt
Post	04/09/55	NTS	Tower	Weapons Related	2 kt
Presidio	04/22/87	NTS	Shaft	Weapons Related	Less than 20 kt
Priscilla	06/24/57	NTS	Balloon	Weapons Related	37 kt
Project 56 No. 1	11/01/55	NTS	Surface	Safety Experiment	Zero
Project 56 No. 2 Pu dispersal	11/03/55	NTS	Surface	Safety Experiment	Zero
Project 56 No. 3 Pu dispersal	11/05/55	NTS	Surface	Safety Experiment	No yield
Project 56 No. 4 Pu dispersal	01/18/56	NTS	Surface	Safety Experiment	Very slight

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Project 57 No. 1 Pu dispersal	04/24/57	Bombing Range	Surface	Safety Experiment	Zero
Puce	06/10/66	NTS	Shaft	Weapons Related	Less than 20 kt
Purple	03/18/66	NTS	Shaft	Weapons Related	Less than 20 kt
Purse	05/07/69	NTS	Shaft	Weapons Related	20 to 200 kt
Puye	08/14/74	NTS	Shaft	Weapons Related	Less than 20 kt
Pyramid	04/16/80	NTS	Shaft	Weapons Related	20 to 150 kt
Quargel	11/18/78	NTS	Shaft	Joint US-UK	20 to 150 kt
Quay	10/10/58	NTS	Tower	Weapons Related	79 tons
Queso	08/11/82	NTS	Shaft	Weapons Related	Less than 20 kt
Questa Operation Dominic	05/04/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
Quince	08/06/58	Enewetak	Surface	Weapons Related	
Quinella	02/08/79	NTS	Shaft	Weapons Related	20 to 150 kt
Raccoon	06/01/62	NTS	Shaft	Weapons Related	Low
Rainier First detonation contained underground No radioactive release detected	09/19/57	NTS	Tunnel	Weapons Related	1.7 kt
Raritan	09/06/62	NTS	Shaft	Weapons Related	Low
Ray	04/11/53	NTS	Tower	Weapons Related	0.2 kt
Reblochon	02/23/78	NTS	Shaft	Weapons Related	20 to 150 kt
Red Hot DoD Event Accidental release of radioactivity detected off site	03/05/66	NTS	Tunnel	Weapons Effects	Less than 20 kt
Redmud	12/08/76	NTS	Shaft	Weapons Related	Less than 20 kt
Redwood	06/27/58	Bikini	Barge	Weapons Related	

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Rex	02/24/66	NTS	Shaft	Weapons Related	19 kt
Rhyolite Simultaneous with Nightingale	06/22/88	NTS	Shaft	Weapons Related	Less than 150 kt
Rickey	06/15/68	NTS	Shaft	Weapons Related	20 to 200 kt
Rinconada Operation Dominic	06/15/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
Ringtail Accidental release of radioactivity detected on site only	12/17/61	NTS	Shaft	Weapons Related	Low
Rio Arriba	10/18/58	NTS	Tower	Weapons Related	90 tons
Rio Blanco Joint Government/industry gas stimulation experiment	05/17/73	Rifle	Shaft	Plowshare	Three 33 kt
Riola Accidental release of radioactivity detected off site	09/25/80	NTS	Shaft	Weapons Related	Less than 20 kt
Rivet III	03/02/67	NTS	Shaft	Weapons Related	Less than 20 kt
Roanoke Accidental release of radioactivity detected on site only	10/12/62	NTS	Shaft	Weapons Related	Low
Romano	12/16/83	NTS	Shaft	Weapons Related	20 to 150 kt
Romeo	03/26/54	Bikini	Barge	Weapons Related	11 MT
Roquefort	10/16/85	NTS	Shaft	Weapons Related	20 to 150 kt
Rose	06/02/58	Enewetak	Barge	Weapons Related	
Rousanne	11/12/81	NTS	Shaft	Joint US-UK	20 to 150 kt
Rovena	08/10/66	NTS	Shaft	Weapons Related	Less than 20 kt
Rudder	12/28/76	NTS	Shaft	Weapons Related	20 to 150 kt

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Rulison Joint Government/industry gas stimulation experiment Operational release of radioactivity detected off site	09/10/69	Grand Valley	Shaft	Plowshare	40 kt
Rummy	09/27/78	NTS	Shaft	Weapons Related	20 to 150 kt
Rushmore	10/22/58	NTS	Balloon	Weapons Related	188 tons
Ruth	03/31/53	NTS	Tower	Weapons Related	0.2 kt
Sabado	08/11/83	NTS	Shaft	Weapons Related	Less than 20 kt
Sacramento	06/30/62	NTS	Shaft	Weapons Related	Low
Salmon Nuclear test detection research experiment	10/22/64	Hattiesburg	Shaft	Vela Uniform	5.3 kt
Salut	06/12/85	NTS	Shaft	Weapons Related	20 to 150 kt
San Juan Unstemmed hole No radioactive release detected	10/20/58	NTS	Shaft	Safety Experiment	Zero
Sandreef	11/09/77	NTS	Shaft	Weapons Related	20 to 150 kt
Sanford *	10/26/58	NTS	Balloon	Weapons Related	4.9 kt
Santa Fe	10/30/58	NTS	Balloon	Weapons Related	1.3 kt
Santee	10/27/62	NTS	Shaft	Weapons Related	Low
Sardine Accidental release of radioactivity detected on site only	12/04/63	NTS	Shaft	Weapons Related	Low
Satsop	08/15/63	NTS	Shaft	Weapons Related	Low
Saturn No radioactive release detected	08/10/57	NTS	Tunnel	Safety Experiment	Zero
Saxon Excavation device development	07/28/66	NTS	Shaft	Plowshare	Less than 20 kt

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Sazerac	10/25/67	NTS	Shaft	Weapons Related	Less than 20 kt
Scaevola	07/14/58	Enewetak	Barge	Safety Experiment	Low
Scantling	08/19/77	NTS	Shaft	Weapons Related	20 to 150 kt
Scaup	05/14/65	NTS	Shaft	Weapons Related	Less than 20 kt
Schellbourne	05/13/88	NTS	Shaft	Weapons Related	Less than 150 kt
Schooner Release of radioactivity detected off site	12/08/68	NTS	Crater	Plowshare	30 kt
Scotch	05/23/67	NTS	Shaft	Weapons Related	155 kt
Screamer Accidental release of radioactivity detected on site only	09/01/65	NTS	Shaft	Weapons Effects	Less than 20 kt
Scroll Nuclear test detection experiment Accidental release of radioactivity detected on site only	04/23/68	NTS	Shaft	Vela Uniform	Less than 20 kt
Scuttle Accidental release of radioactivity detected off site by aircraft only	11/13/69	NTS	Shaft	Weapons Related	Less than 20 kt
Seamount	11/17/77	NTS	Shaft	Weapons Related	Less than 20 kt
Seco	02/25/81	NTS	Shaft	Weapons Related	Less than 20 kt
Sedan Excavation experiment Crater 1,280 ft. diameter, 320 ft. deep Thermonuclear device Release of radioactivity detected off site	07/06/62	NTS	Crater	Plowshare	104 kt
Seminole	06/06/56	Enewetak	Surface	Weapons Related	13.7 kt
Sepia	11/12/65	NTS	Shaft	Weapons Related	Less than 20 kt
Sequoia	07/01/58	Enewetak	Barge	Weapons Related	
Serena	07/25/85	NTS	Shaft	Weapons Related	20 to 150 kt

Announced United States Nuclear Tests -- By Event					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Serpa	12/17/80	NTS	Shaft	Joint US-UK	20 to 150 kt
Seyval	11/12/82	NTS	Shaft	Weapons Related	Less than 20 kt
Shaper	03/23/70	NTS	Shaft	Weapons Related	20 to 200 kt
Shasta	08/18/57	NTS	Tower	Weapons Related	17 kt
Sheepshead	09/26/79	NTS	Shaft	Weapons Related	20 to 150 kt
Shoal Nuclear test detection-research experiment near Fallon, Nevada	10/26/63	Fallon	Shaft	Vela Uniform	12 kt
Shrew Accidental release of radioactivity detected on site only	09/16/61	NTS	Shaft	Weapons Related	Low
Shuffle	04/18/68	NTS	Shaft	Weapons Related	20 to 200 kt
Simms Excavation device development	11/05/66	NTS	Shaft	Plowshare	Less than 20 kt
Simon	04/25/53	NTS	Tower	Weapons Related	43 kt
Sled	08/29/68	NTS	Shaft	Weapons Related	20 to 200 kt
Small Boy Slightly above ground DoD Event--Operation Sunbeam Release of radioactivity detected off site	07/14/62	NTS	Tower	Weapons Effects	Low
Smoky	08/31/57	NTS	Tower	Weapons Related	44 kt
Snubber Accidental release of radioactivity detected off site	04/21/70	NTS	Shaft	Weapons Effects	Less than 20 kt
Socorro	10/22/58	NTS	Balloon	Weapons Related	6 kt
Spider	08/14/69	NTS	Shaft	Weapons Related	Less than 20 kt
St. Lawrence Accidental release of radioactivity detected on site only	11/09/62	NTS	Shaft	Weapons Related	Low

Announced United States Nuclear Tests -- By Event

Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Staccato	01/19/68	NTS	Shaft	Weapons Related	20 to 200 kt
Stanley	07/27/67	NTS	Shaft	Weapons Related	20 to 200 kt
Stanyan	09/26/74	NTS	Shaft	Weapons Related	20 to 200 kt
Starfish Prime DoD Event--Operation Fishbowl High altitude--400 kilometers	07/09/62	Johnston Island area	Rocket	Weapons Effects	1.4 MT
Starwort	04/26/73	NTS	Shaft	Weapons Related	90 kt
Sterling Nuclear test detection experiment	12/03/66	Hattiesburg	Shaft	Vela Uniform	380 tons
Stillwater	02/08/62	NTS	Shaft	Weapons Related	3.07 kt
Stilt	12/15/67	NTS	Shaft	Weapons Related	Less than 20 kt
Stilton	06/03/75	NTS	Shaft	Weapons Related	20 to 200 kt
Stinger	03/22/68	NTS	Shaft	Weapons Related	20 to 200 kt
Stoat Accidental release of radioactivity detected on site only	01/09/62	NTS	Shaft	Weapons Related	5.1 kt
Stoddard Excavation device development	09/17/68	NTS	Shaft	Plowshare	20 to 200 kt
Stokes	08/07/57	NTS	Balloon	Weapons Related	19 kt
Stones	05/22/63	NTS	Shaft	Weapons Related	Intermediate
Strait	03/17/76	NTS	Shaft	Weapons Related	200 to 500 kt
Strake	08/04/77	NTS	Shaft	Weapons Related	20 to 150 kt
Sturgeon	04/15/64	NTS	Shaft	Weapons Related	Less than 20 kt
Stutz	04/06/66	NTS	Shaft	Weapons Related	Less than 20 kt
Sugar	11/19/51	NTS	Surface	Weapons Effects	1.2 kt

Announced United States Nuclear Tests -- By Event					
Event Name	**Date (GCT)**	**Location**	**Type**	**Purpose**	**Yield Range**
Sulky Excavation test of explosive buried at greater depth in relation to yield Produced mound of broken rock Release of radioactivity detected off site	12/18/64	NTS	Shaft	Plowshare	0.092 kt
Sundown	09/20/90	NTS	Shaft	Weapons Related	Less than 20 kt
Sunset Operation Dominic	07/10/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
Swanee Operation Dominic	05/14/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
Switch Excavation device development	06/22/67	NTS	Shaft	Plowshare	Less than 20 kt
Swordfish Operation Dominic North 31 degrees 14 minutes, West 124 degrees 13 minutes Antisubmarine rocket (ASROC) system proof test	05/11/62	Pacific	UW	Weapons Effects	Low
Sycamore	05/31/58	Bikini	Barge	Weapons Related	
Tafi	07/25/80	NTS	Shaft	Weapons Related	20 to 150 kt
Tahoka	08/13/87	NTS	Shaft	Weapons Related	20 to 150 kt
Tajo	06/05/86	NTS	Shaft	Weapons Related	20 to 150 kt
Tamalpais Slight venting Radioactivity not detected off site	10/08/58	NTS	Tunnel	Weapons Related	72 tons
Tan	06/03/66	NTS	Shaft	Weapons Related	20 to 200 kt
Tanana Operation Dominic	05/25/62	Christmas Island area	Airdrop	Weapons Related	Low
Tanya	07/30/68	NTS	Shaft	Weapons Related	20 to 200 kt

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Tapestry Accidental release of radioactivity detected on site only	05/12/66	NTS	Shaft	Weapons Related	Less than 20 kt
Tapper Accidental release of radioactivity detected on site only	06/12/69	NTS	Shaft	Weapons Related	Less than 20 kt
Tarko	02/28/80	NTS	Shaft	Weapons Related	Less than 20 kt
Taunton	12/04/62	NTS	Shaft	Weapons Related	Low
Teak DoD Event--Operation Newsreel High altitude--approx. 77 kilometers	08/01/58	Johnston Island area	Rocket	Weapons Effects	Megaton range
Techado	09/22/83	NTS	Shaft	Weapons Related	Less than 150 kt
Tee Accidental release of radioactivity detected off site	05/07/65	NTS	Shaft	Weapons Effects	Less than 20 kt
Tejon	05/17/63	NTS	Shaft	Weapons Related	Low
Templar Excavation device development	03/24/66	NTS	Shaft	Plowshare	Less than 20 kt
Tenabo	10/12/90	NTS	Shaft	Weapons Related	20 to 150 kt
Tenaja	04/17/82	NTS	Shaft	Weapons Related	Less than 20 kt
Tendrac	12/07/62	NTS	Shaft	Joint US-UK	Low
Terrine	12/18/69	NTS	Shaft	Weapons Related	20 to 200 kt
Tesla	03/01/55	NTS	Tower	Weapons Related	7 kt
Tewa	07/20/56	Bikini	Barge	Weapons Related	5 MT
Texarkana	02/10/89	NTS	Shaft	Weapons Related	20 to 150 kt
Thistle	04/30/69	NTS	Shaft	Weapons Related	20 to 200 kt
Tierra	12/15/84	NTS	Shaft	Weapons Related	20 to 150 kt

Announced United States Nuclear Tests -- By Event

Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Tightrope DoD Event--Operation Fishbowl High altitude--tens of kilometers	11/04/62	Johnston Island area	Rocket	Weapons Effects	Low
Tijeras	10/14/70	NTS	Shaft	Weapons Related	20 to 200 kt
Tilci	11/11/81	NTS	Shaft	Weapons Related	20 to 150 kt
Tinderbox	11/22/68	NTS	Shaft	Weapons Related	Less than 20 kt
Tiny Tot DoD Event Accidental release of radioactivity detected on site only	06/17/65	NTS	Tunnel	Weapons Effects	Less than 20 kt
Tioga	10/18/62	NTS	Shaft	Weapons Related	Low
Titania	10/30/58	NTS	Tower	Safety Experiment	0.2 tons
Tobacco	05/30/58	Enewetak	Barge	Weapons Related	
Tomato	04/07/66	NTS	Shaft	Weapons Related	Less than 20 kt
Tomme/Midnight Zephyr DoD Event	09/21/83	NTS	Tunnel	Weapons Effects	Less than 20 kt
Topgallant	02/28/75	NTS	Shaft	Weapons Related	20 to 200 kt
Tornero	02/11/87	NTS	Shaft	Weapons Related	Less than 20 kt
Tornillo Device development	10/11/63	NTS	Shaft	Plowshare	Low
Torrido	05/27/69	NTS	Shaft	Weapons Related	20 to 200 kt
Tortugas	03/01/84	NTS	Shaft	Weapons Related	20 to 150 kt
Towanda	05/02/85	NTS	Shaft	Weapons Related	20 to 150 kt
Toyah	03/15/63	NTS	Shaft	Weapons Related	Low
Transom No nuclear yield Device was destroyed by Hearts detonation on 09/06/79	05/10/78	NTS	Shaft	Weapons Related	Zero

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Traveler	05/04/66	NTS	Shaft	Weapons Related	Less than 20 kt
Trebbiano	09/04/81	NTS	Shaft	Weapons Related	Less than 20 kt
Trinity First test of a nuclear weapon	07/16/45	Alamogordo	Tower	Weapons Related	21 kt
Truckee Operation Dominic	06/09/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
Tub	06/06/68	NTS	Shaft	Weapons Related	Less than 20 kt
Tulia	05/26/89	NTS	Shaft	Weapons Related	Less than 20 kt
Turf	04/24/64	NTS	Shaft	Weapons Related	20 to 200 kt
Turk	03/07/55	NTS	Tower	Weapons Related	43 kt
Turquoise	04/14/83	NTS	Shaft	Weapons Related	Less than 150 kt
Tweed	05/21/65	NTS	Shaft	Weapons Related	Less than 20 kt
Tybo	05/14/75	NTS	Shaft	Weapons Related	200 to 1000 kt
Tyg Accidental release of radioactivity detected on site only	12/12/68	NTS	Shaft	Weapons Related	Less than 20 kt
Umber Accidental release of radioactivity detected off site	06/29/67	NTS	Shaft	Weapons Effects	Less than 20 kt
Umbrella	06/08/58	Enewetak	UW	Weapons Effects	
Uncle	11/29/51	NTS	Crater	Weapons Effects	1.2 kt
Union	04/25/54	Bikini	Barge	Weapons Related	6.9 MT
Uranus No radioactive release detected	03/14/58	NTS	Tunnel	Safety Experiment	Less than 1 ton
Valencia Unstemmed hole Radioactivity not detected off site	09/26/58	NTS	Shaft	Safety Experiment	2 tons
Vaughn	03/15/85	NTS	Shaft	Weapons Related	20 to 150 kt

Announced United States Nuclear Tests -- By Event					
Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Venus No radioactive release detected	02/22/58	NTS	Tunnel	Safety Experiment	Less than 1 ton
Verdello	07/31/80	NTS	Shaft	Weapons Related	Less than 20 kt
Vesta Fired in surface structure	10/17/58	NTS	Surface	Safety Experiment	24 tons
Victoria	06/19/92	NTS	Shaft	Weapons Related	Less than 20 kt
Vide	04/30/81	NTS	Shaft	Weapons Related	Less than 20 kt
Ville	06/12/85	NTS	Shaft	Weapons Related	Less than 20 kt
Villita	11/10/84	NTS	Shaft	Weapons Related	Less than 20 kt
Vise	01/30/69	NTS	Shaft	Weapons Related	20 to 200 kt
Vulcan Device development Heavy element production	06/25/66	NTS	Shaft	Plowshare	25 kt
Waco	12/01/87	NTS	Shaft	Weapons Related	Less than 20 kt
Wagtail	03/03/65	NTS	Shaft	Weapons Related	20 to 200 kt
Wahoo	05/16/58	Enewetak	UW	Weapons Effects	
Walnut	06/14/58	Enewetak	Barge	Weapons Related	
Ward	02/08/67	NTS	Shaft	Weapons Related	Less than 20 kt
Washer	08/10/67	NTS	Shaft	Weapons Related	Less than 20 kt
Wasp	02/18/55	NTS	Airdrop	Weapons Effects	1 kt
Wasp Prime	03/29/55	NTS	Airdrop	Weapons Related	3 kt
Wheeler	09/06/57	NTS	Balloon	Weapons Related	197 tons
White	05/25/62	NTS	Shaft	Weapons Related	Low
Whiteface	12/20/89	NTS	Shaft	Weapons Related	Less than 20 kt
Whitney	09/23/57	NTS	Tower	Weapons Related	19 kt

Announced United States Nuclear Tests -- By Event

Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Wichita Accidental release of radioactivity detected on site only	07/27/62	NTS	Shaft	Weapons Related	Low
Wigwam North 29 degrees, West 126 degrees	05/14/55	Pacific	UW	Weapons Effects	30 kt
Wilson	06/18/57	NTS	Balloon	Weapons Related	10 kt
Wineskin	01/15/69	NTS	Shaft	Weapons Related	20 to 200 kt
Wishbone DoD Event Accidental release of radioactivity detected on site only	02/18/65	NTS	Shaft	Weapons Effects	Less than 20 kt
Wolverine Accidental release of radioactivity detected on site only	10/12/62	NTS	Shaft	Weapons Related	Low
Wool	01/14/65	NTS	Shaft	Weapons Related	Less than 20 kt
Wrangell	10/22/58	NTS	Balloon	Weapons Related	115 tons
X-ray	04/14/48	Enewetak	Tower	Weapons Related	37 kt
Yankee	05/04/54	Bikini	Barge	Weapons Related	13.5 MT
Yannigan	02/26/70	NTS	Shaft	Weapons Related	20 to 200 kt
Yard	09/07/67	NTS	Shaft	Weapons Related	20 to 200 kt
Yellowwood	05/26/58	Enewetak	Barge	Weapons Related	
Yeso Operation Dominic	06/10/62	Christmas Island area	Airdrop	Weapons Related	Low Megaton
Yoke	04/30/48	Enewetak	Tower	Weapons Related	49 kt
York	08/24/62	NTS	Shaft	Weapons Related	Low

Announced United States Nuclear Tests -- By Event

Event Name	Date (GCT)	Location	Type	Purpose	Yield Range
Yuba Accidental release of radioactivity detected on site only Operational release of radioactivity detected off site	06/05/63	NTS	Tunnel	Weapons Related	Low
Yucca North 12 degrees 37 minutes, East 163 degrees 01 minute DoD Event--Operation Newsreel	04/28/58	Pacific	Balloon	Weapons Effects	
Yukon Operation Dominic	05/08/62	Christmas Island area	Airdrop	Weapons Related	Intermediate
Yuma	05/27/56	Enewetak	Tower	Weapons Related	
Zaza	09/27/67	NTS	Shaft	Weapons Related	20 to 200 kt
Zebra	05/14/48	Enewetak	Tower	Weapons Related	18 kt
Zinnia	05/17/72	NTS	Shaft	Weapons Related	Less than 20 kt
Zucchini	05/15/55	NTS	Tower	Weapons Related	28 kt
Zuni	05/27/56	Bikini	Surface	Weapons Related	3.5 MT