



July

2025

"Nuclear Energy" by Henry Moore on the campus of the University of Chicago near the site of Chicago Pile-1

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1	2	3	4	5
					Independence Day	
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		
Parent's Day						

July Atomic Events

Year	Month	Day	Event
1934	July	4	Leo Szilard files a patent application describing the use of neutron-induced chain reactions to create explosions and the concept of the critical mass.
1939	July	3	Leo Szilard writes to Fermi describing the idea of using a uranium lattice in carbon (graphite) to create a chain reaction.
1940	July	1	The National Defense Research Committee, headed by Vannevar Bush, takes over responsibility for uranium research
1942	July	27	First shipment of irradiated uranium arrives at the Chicago Met Lab
1943	July	4	Seth Neddermeyer conducts first explosion in the implosion research program
1944	July		Air Force Lt. Col. Paul Tibbets begins organizing the 509th Composite Group, which will deliver atomic bombs in combat, at Wendover Field, Utah.
1945	July	3	Casting of the U-235 projectile for Little Boy is completed.
1945	July	11	Assembly of Gadget, the first atomic bomb begins.
1945	July	16	At 5:29:45 AM, as part of the Trinity Test, Gadget is detonated in Alamogordo, NM, in the first atomic explosion in history.
1945	July	20	The 509th Composite Group begins flying practice missions over Japan.
1945	July	26	President Truman issues the Potsdam Declaration, which warns Japan of "prompt and utter destruction".
1968	July	1	Nuclear Non-Proliferation Treaty is opened for signature. 190 parties have joined the Treaty since 1968.

July Atomic Daily Shots

YEAR	DAY	ID#	SERIES	SHOT
1957	1	94	Plumbbob	Coulomb-A
1958	1	144	Hardtack I	Sequoia
1971	1	728	Grommet	Diamond Mine
1956	2	83	Redwing	Mohawk
1958	2	145	Hardtack I	Cedar
1957	5	95	Plumbbob	Hood
1958	5	146	Hardtack I	Dogwood
1962	6	265	Storax	Sedan
1962	7	266	Sunbeam	Little Feller II
1978	7	910	Cresset	Satz
1988	7	1075	Touchstone	Alamo
1956	8	84	Redwing	Apache
1971	8	729	Grommet	Miniata
1962	9	267	Fishbowl	Starfish Prime
1971	9	730	Grommet	Bracken
1956	10	85	Redwing	Navajo
1962	10	268	Dominic I	Sunset
1974	10	822	Bedrock	Escabosa
1981	10	956	Guardian	Niza
1962	11	269	Dominic I	Pamlico
1962	11	270	Sunbeam	Johnnie Boy
1958	12	147	Hardtack I	Poplar
1978	12	911	Cresset	Lowball
1984	12	1011	Fusileer	Normanna
1962	13	271	Storax	Merrimac
1958	14	148	Hardtack I	Scaevola
1962	14	272	Sunbeam	Small Boy
1967	14	511	Crosstie	Vito
1957	15	96	Plumbbob	Diablo
1945	16	1	Trinity	Trinity
1964	16	375	Whetstone	Bye
1965	16	424	Flintlock	Izzer
1969	16	626	Mandrel	Ildrim
1969	16	627	Mandrel	Hutch
1981	16	957	Guardian	Pineau
1958	17	149	Hardtack I	Pisonia

YEAR	DAY	ID#	SERIES	SHOT
1962	17	273	Sunbeam	Little Feller I
1968	17	568	Bowline	Spud
1986	17	1044	Charioteer	Cybar
1974	18	823	Bedrock	Crestlake-Tansan
1974	18	824	Bedrock	Crestlake-Briar
1957	19	97	Plumbbob	John
1956	20	86	Redwing	Tewa
1972	20	767	Toggle	Diamond Sculls
1956	21	87	Redwing	Huron
1971	21	731	Grommet	Apodaca
1958	22	150	Hardtack I	Juniper
1958	22	151	Hardtack I	Olive
1965	22	425	Flintlock	Pongee
1964	23	376	Whetstone	Links
1965	23	426	Flintlock	Bronze
1946	24	5	Crossroads	Baker
1957	24	98	Plumbbob	Kepler
1964	24	377	Whetstone	Trogon
1986	24	1045	Charioteer	Cornucopia
1957	25	99	Plumbbob	Owens
1972	25	768	Toggle	Atarque
1980	25	944	Tinderbox	Tafi
1984	25	1012	Fusileer	Kappeli
1985	25	1029	Grenadier	Serena
1990	25	1106	Aqueduct	Randsburg
1990	25	1105	Aqueduct	Mineral Quarry
1957	26	100	Plumbbob	Pascal-A
1958	26	152	Hardtack I	Pine
1962	27	274	Storax	Wichita
1967	27	512	Crosstie	Stanley
1976	27	870	Anvil	Billet
1966	28	473	Latchkey	Saxon
1977	28	886	Fulcrum	Carnelian
1982	29	974	Praetorian	Monterey
1968	30	569	Bowline	Tanya
1980	31	945	Tinderbox	Verdello