

United States Nuclear Tests – By Date

Test	Date (mm/dd/yyyy) (GMT)	Sponsor	Location	Hole
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Operation Arbor

734	Polygonum	10/02/1973	LLNL	NTS	U2by
735	Waller	10/02/1973	LLNL	NTS	U2bz
736	Husky Ace	10/12/1973	LANL/DoD	NTS	U12n.07
737	Bernal	11/28/1973	LANL	NTS	U3jy
738	Pajara	12/12/1973	LANL	NTS	U3ji
739	Seafoam	12/13/1973	LLNL	NTS	U2ea
740	Elida	12/19/1973	LANL	NTS	U3hy
741	Spar	12/19/1973	LANL	NTS	U3jr
742	Pinedrops-Sloat	01/10/1974	LLNL	NTS	U10as
	Pinedrops-Tawny	01/10/1974	LLNL	NTS	U10as
	Pinedrops-Bayou	01/10/1974	LLNL	NTS	U10as
	Simultaneous, same hole				
743	Latir	02/27/1974	LANL	NTS	U4d
744	Hulsea	03/14/1974	LLNL	NTS	U2bx
745	Sapello	04/12/1974	LANL	NTS	U3ge
746	Potrero	04/23/1974	LLNL	NTS	U2eb
747	Plomo	05/01/1974	LANL	NTS	U3ff
748	Jib	05/08/1974	LANL	NTS	U3hb
749	Grove	05/22/1974	LLNL	NTS	U2ds
750	Fallon	05/23/1974	LLNL/UK	NTS	U2dv
751	Jara	06/06/1974	LANL	NTS	U3hp
752	Ming Blade	06/19/1974	LANL/DoD	NTS	U12n.08

Operation Bedrock

753	Escabosa	07/10/1974	LANL	NTS	U7ac
754	Crestlake-Tansan	07/18/1974	LLNL	NTS	U2dw
	Crestlake-Briar	07/18/1974	LLNL	NTS	U2dw
	Simultaneous, same hole				
755	Puye	08/14/1974	LANL	NTS	U3jl
756	Portmanteau	08/30/1974	LLNL	NTS	U2ax
757	Pratt	09/25/1974	LANL	NTS	U3hq
758	Stanyan	09/26/1974	LLNL	NTS	U2aw
759	Trumbull	09/26/1974	LLNL	NTS	U4aa
760	Estaca	10/17/1974	LANL	NTS	U3ja
761	Hybla Fair	10/28/1974	LLNL/DoD	NTS	U12n.09
762	Temescal	11/02/1974	LLNL	NTS	U4ab
763	Puddle	11/26/1974	LANL	NTS	U3kg
764	Keel	12/16/1974	LANL	NTS	U3hu
765	Portola	02/06/1975	LLNL	NTS	U10bb
	Portola-Larkin	02/06/1975	LLNL	NTS	U10bb
	Simultaneous, same hole				

July 1945 through September 1992

Time (GMT)	Latitude (degrees)	Longitude (degrees)	Surface Elevation (meters)	Type	Purpose	Yield Range	
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Operation Arbor

14:30:00.17	37.159	-116.074	1304	Shaft	Weapons Related	Less than 20 kt	734
15:15:00.16	37.154	-116.069	1294	Shaft	Weapons Related	Less than 20 kt	735
17:00:00.08	37.200	-116.204	2238	Tunnel	Weapons Effects	Less than 20 kt	736
15:30:00.08	37.011	-116.025	1183	Shaft	Weapons Related	Less than 20 kt	737
19:00:00.10	36.991	-116.025	1175	Shaft	Weapons Related	Less than 20 kt	738
15:17:00.17	37.161	-116.074	1306	Shaft	Weapons Related	Less than 20 kt	739
19:16:00.11	37.001	-116.032	1178	Shaft	Weapons Related	Less than 20 kt	740
17:30:00.04	37.006	-116.020	1180	Shaft	Safety Experiment	Less than 20 kt	741
15:38:00.17	37.174	-116.052	1283	Shaft	Weapons Related	Less than 20 kt	742
15:38:00.17	37.174	-116.052	1283	Shaft	Weapons Related	Less than 20 kt	
15:38:00.17	37.174	-116.052	1283	Shaft	Weapons Related	Less than 20 kt	
17:00:00.09	37.104	-116.054	1243	Shaft	Weapons Related	20 to 200 kt	743
17:00:00.17	37.155	-116.065	1289	Shaft	Weapons Related	Less than 20 kt	744
15:15:00.08	37.015	-116.045	1189	Shaft	Weapons Related	Less than 20 kt	745
15:13:00.16	37.160	-116.077	1310	Shaft	Weapons Related	Less than 20 kt	746
14:02:00.21	37.031	-115.986	1227	Shaft	Weapons Related	Less than 20 kt	747
16:55:00.09	37.001	-116.002	1177	Shaft	Weapons Related	Less than 20 kt	748
14:15:00.17	37.115	-116.076	1264	Shaft	Weapons Related	Less than 20 kt	749
13:38:30.16	37.124	-116.080	1276	Shaft	Joint US-UK	20 to 200 kt	750
14:40:00.08	37.004	-116.024	1180	Shaft	Weapons Related	Less than 20 kt	751
16:00:00.08	37.210	-116.208	2212	Tunnel	Weapons Effects	Less than 20 kt	752

Operation Bedrock

16:00:00.09	37.075	-116.033	1223	Shaft	Weapons Related	20 to 200 kt	753
14:00:01.20	37.119	-116.086	1274	Shaft	Weapons Related	Less than 20 kt	754
14:00:01.20	37.119	-116.086	1274	Shaft	Weapons Related	Less than 20 kt	
14:00:00.11	37.023	-116.037	1188	Shaft	Weapons Related	Less than 20 kt	755
15:00:00.16	37.152	-116.084	1313	Shaft	Weapons Related	20 to 200 kt	756
14:00:00.08	37.012	-116.031	1183	Shaft	Weapons Related	Less than 20 kt	757
15:05:00.17	37.133	-116.069	1275	Shaft	Weapons Related	20 to 200 kt	758
14:30:00.16	37.093	-116.096	1269	Shaft	Weapons Related	Less than 20 kt	759
17:13:00.12	37.006	-116.016	1180	Shaft	Weapons Related	Less than 20 kt	760
15:00:00.17	37.201	-116.205	2227	Tunnel	Weapons Effects	Less than 20 kt	761
15:30:00.16	37.093	-116.093	1263	Shaft	Weapons Related	Less than 20 kt	762
15:00:00.90	37.001	-116.012	1169	Shaft	Safety Experiment	Less than 20 kt	763
17:30:00.09	37.011	-116.018	1182	Shaft	Weapons Related	Less than 20 kt	764
15:30:00.17	37.178	-116.052	1285	Shaft	Weapons Related	Less than 20 kt	765
15:30:00.16	37.178	-116.052	1285	Shaft	Weapons Related	Less than 20 kt	

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Operation Bedrock -- Continued

766	Teleme	02/06/1975	LLNL	NTS	U9cl
767	Bilge	02/19/1975	LANL	NTS	U3kc
768	Topgallant	02/28/1975	LANL	NTS	U4e
769	Cabrillo	03/07/1975	LLNL	NTS	U2dr
770	Dining Car	04/05/1975	LLNL/DoD	NTS	U12e.18
771	Edam	04/24/1975	LLNL	NTS	U2dy
772	Obar	04/30/1975	LANL	NTS	U7ag
773	Tybo	05/14/1975	LLNL	NTS	U20y
774	Stilton	06/03/1975	LLNL/DoD	NTS	U20p
775	Mizzen	06/03/1975	LANL	NTS	U7ah
776	Alviso	06/11/1975	LLNL	NTS	U2du
777	Futtock	06/18/1975	LANL	NTS	U3eh
778	Mast	06/19/1975	LANL	NTS	U19u
779	Camembert	06/26/1975	LLNL	NTS	U19q

Operation Anvil

780	Marsh	09/06/1975	LANL	NTS	U3kb
781	Husky Pup	10/24/1975	LLNL/DoD	NTS	U12t.03
782	Kasseri	10/28/1975	LLNL	NTS	U20z
783	Deck	11/18/1975	LANL	NTS	U3kd
784	Inlet	11/20/1975	LANL	NTS	U19f
785	Leyden	11/26/1975	LLNL	NTS	U9cm
786	Chiberta	12/20/1975	LLNL	NTS	U2ek
787	Muenster	01/03/1976	LLNL	NTS	U19e
788	Keelson	02/04/1976	LANL	NTS	U7ai
789	Esrom	02/04/1976	LLNL	NTS	U7ak
790	Fontina	02/12/1976	LLNL	NTS	U20f
791	Cheshire	02/14/1976	LLNL	NTS	U20n
792	Shallows	02/26/1976	LANL	NTS	U3jf
793	Estuary	03/09/1976	LANL	NTS	U19g
794	Colby	03/14/1976	LLNL	NTS	U20aa
795	Pool	03/17/1976	LANL	NTS	U19p
796	Strait	03/17/1976	LANL	NTS	U4a
797	Mighty Epic	05/12/1976	LLNL/DoD	NTS	U12n.10
798	Rivoli Accidental release of radioactivity detected onsite only	05/20/1976	LLNL	NTS	U2eg
799	Billet	07/27/1976	LANL	NTS	U7an
800	Banon	08/26/1976	LLNL/UK	NTS	U2dz

July 1945 through September 1992

Time (GMT)	Latitude (degrees)	Longitude (degrees)	Surface Elevation (meters)	Type	Purpose	Yield Range
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Operation Bedrock -- Continued

16:13:00.17	37.114	-116.022	1300	Shaft	Weapons Related	Less than 20 kt	766
20:10:00.22	37.002	-116.025	1179	Shaft	Weapons Related	Less than 20 kt	767
16:15:00.09	37.106	-116.057	1245	Shaft	Weapons Related	20 to 200 kt	768
16:00:00.17	37.134	-116.085	1288	Shaft	Weapons Related	20 to 200 kt	769
19:45:00.19	37.188	-116.215	2238	Tunnel	Weapons Effects	Less than 20 kt	770
14:10:00.17	37.116	-116.088	1272	Shaft	Weapons Related	20 to 200 kt	771
15:00:01.90	37.109	-116.030	1279	Shaft	Weapons Related	20 to 200 kt	772
14:00:00.16	37.221	-116.475	1880	Shaft	Weapons Related	200 to 1000 kt	773
14:20:00.17	37.340	-116.524	1667	Shaft	Weapons Related	20 to 200 kt	774
14:40:00.11	37.095	-116.037	1247	Shaft	Weapons Related	20 to 200 kt	775
13:00:00.17	37.112	-116.075	1261	Shaft	Safety Experiment	Less than 20 kt	776
11:49:00.09	37.066	-116.023	1221	Shaft	Safety Experiment	Less than 20 kt	777
13:00:00.09	37.350	-116.321	2068	Shaft	Weapons Related	200 to 1000 kt	778
12:30:00.16	37.279	-116.369	2033	Shaft	Weapons Related	200 to 1000 kt	779

Operation Anvil

17:00:00.11	37.024	-116.029	1187	Shaft	Weapons Related	Less than 20 kt	780
17:11:26.09	37.222	-116.181	2036	Tunnel	Weapons Effects	Less than 20 kt	781
14:30:00.16	37.290	-116.412	1957	Shaft	Weapons Related	200 to 1000 kt	782
15:30:00.11	37.020	-116.022	1185	Shaft	Weapons Related	Less than 20 kt	783
15:00:00.09	37.225	-116.368	2025	Shaft	Weapons Related	200 to 1000 kt	784
15:30:00.16	37.117	-116.020	1303	Shaft	Weapons Related	Less than 20 kt	785
20:00:00.16	37.128	-116.062	1264	Shaft	Weapons Related	20 to 200 kt	786
19:15:00.16	37.297	-116.334	2082	Shaft	Weapons Related	200 to 1000 kt	787
14:20:00.11	37.069	-116.031	1218	Shaft	Weapons Related	20 to 200 kt	788
14:40:00.16	37.107	-116.038	1258	Shaft	Weapons Related	20 to 200 kt	789
14:45:00.16	37.271	-116.489	1837	Shaft	Weapons Related	200 to 1000 kt	790
11:30:00.16	37.243	-116.421	1947	Shaft	Weapons Related	200 to 500 kt	791
14:50:00.09	37.028	-116.017	1188	Shaft	Weapons Related	Less than 20 kt	792
14:00:00.09	37.310	-116.365	2025	Shaft	Weapons Related	200 to 500 kt	793
12:30:00.16	37.306	-116.472	1904	Shaft	Weapons Related	500 to 1000 kt	794
14:15:00.09	37.256	-116.329	2076	Shaft	Weapons Related	200 to 500 kt	795
14:45:00.09	37.107	-116.053	1243	Shaft	Weapons Related	200 to 500 kt	796
19:50:00.17	37.209	-116.213	2224	Tunnel	Weapons Effects	Less than 20 kt	797
17:30:00.16	37.137	-116.067	1279	Shaft	Weapons Related	Less than 20 kt	798
20:30:00.08	37.075	-116.045	1222	Shaft	Weapons Related	20 to 150 kt	799
14:30:00.17	37.125	-116.083	1275	Shaft	Joint US-UK	20 to 150 kt	800

United States Nuclear Tests – By Date

Test	Date (mm/dd/yyyy) (GMT)	Sponsor	Location	Hole
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Operation Fulcrum

801	Gouda	10/06/1976	LLNL	NTS	U2ef
802	Sprit	11/10/1976	LANL	NTS	U3hc
803	Chevre	11/23/1976	LLNL	NTS	U10ay
804	Redmud	12/08/1976	LANL	NTS	U7ab
805	Asiago	12/21/1976	LLNL	NTS	U2ar
806	Sutter	12/21/1976	LLNL	NTS	U2bw
807	Rudder	12/28/1976	LANL	NTS	U7aj(s)
808	Cove	02/16/1977	LANL	NTS	U3ki
	Oarlock Simultaneous, separate holes	02/16/1977	LANL	NTS	U3km
809	Dofino	03/08/1977	LLNL	NTS	U10ba
	Dofino-Lawton Simultaneous, same hole	03/08/1977	LLNL	NTS	U10ba
810	Marsilly	04/05/1977	LLNL	NTS	U2el
811	Bulkhead	04/27/1977	LANL	NTS	U7am
812	Crewline	05/25/1977	LANL	NTS	U7ap
813	Forefoot	06/02/1977	LANL	NTS	U3kf
814	Carnelian	07/28/1977	LLNL	NTS	U4af
815	Strake	08/04/1977	LANL	NTS	U7ae
816	Flotost	08/16/1977	LLNL	NTS	U2ao
817	Gruyere	08/16/1977	LLNL	NTS	U9cg
	Gruyere-Gradino Simultaneous, same hole	08/16/1977	LLNL	NTS	U9cg
818	Scantling	08/19/1977	LANL	NTS	U4h
819	Scupper	08/19/1977	LANL	NTS	U3hj
820	Ebbtide	09/15/1977	LANL	NTS	U3kt
821	Coulommiers	09/27/1977	LLNL	NTS	U2ei

Operation Cresset

822	Bobstay	10/26/1977	LANL	NTS	U3jb
823	Hybla Gold	11/01/1977	LANL/DoD	NTS	U12e.20
824	Sandreef	11/09/1977	LANL	NTS	U7aq
825	Seamount	11/17/1977	LANL	NTS	U3kp
826	Farallones	12/14/1977	LLNL	NTS	U2fa
827	Rib	12/14/1977	LANL	NTS	U3jv
828	Campos	02/13/1978	LLNL	NTS	U9cp
829	Reblochon	02/23/1978	LLNL	NTS	U2en
830	Karab	03/16/1978	LLNL	NTS	U4ah
831	Iceberg	03/23/1978	LANL	NTS	U4g
832	Topmast	03/23/1978	LANL	NTS	U7ay

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Time (GMT)	Latitude (degrees)	Longitude (degrees)	Surface Elevation (meters)	Type	Purpose	Yield Range	
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Operation Fulcrum

14:30:00.16	37.135	-116.063	1272	Shaft	Weapons Related	Less than 20 kt	801
14:58:00.08	37.036	-116.018	1192	Shaft	Weapons Related	Less than 20 kt	802
15:15:00.16	37.172	-116.054	1278	Shaft	Weapons Related	Less than 20 kt	803
14:49:30.08	37.079	-116.002	1269	Shaft	Weapons Related	Less than 20 kt	804
15:09:00.17	37.124	-116.068	1265	Shaft	Weapons Related	Less than 20 kt	805
15:58:00.16	37.152	-116.064	1287	Shaft	Weapons Related	Less than 20 kt	806
18:00:00.08	37.100	-116.037	1255	Shaft	Weapons Related	20 to 150 kt	807
17:53:00.16	37.007	-116.032	1181	Shaft	Weapons Related	Less than 20 kt	808
17:53:00.07	37.013	-116.029	1183	Shaft	Weapons Related	Less than 20 kt	
14:24:00.16	37.176	-116.054	1283	Shaft	Weapons Related	Less than 20 kt	809
14:24:00.16	37.176	-116.054	1283	Shaft	Weapons Related	Less than 20 kt	
15:00:00.17	37.120	-116.063	1259	Shaft	Weapons Related	20 to 150 kt	810
15:00:00.08	37.095	-116.029	1259	Shaft	Weapons Related	20 to 150 kt	811
17:00:00.08	37.094	-116.046	1237	Shaft	Weapons Related	20 to 150 kt	812
17:15:00.10	37.055	-116.026	1207	Shaft	Weapons Related	Less than 20 kt	813
14:07:00.16	37.098	-116.092	1265	Shaft	Weapons Related	Less than 20 kt	814
16:40:00.07	37.087	-116.008	1273	Shaft	Weapons Related	20 to 150 kt	815
15:49:00.17	37.147	-116.064	1284	Shaft	Weapons Related	Less than 20 kt	816
14:41:00.16	37.145	-116.050	1263	Shaft	Weapons Related	Less than 20 kt	817
14:41:00.16	37.145	-116.050	1263	Shaft	Weapons Related	Less than 20 kt	
17:55:00.10	37.110	-116.055	1246	Shaft	Weapons Related	20 to 150 kt	818
17:32:00.10	37.018	-116.032	1185	Shaft	Weapons Related	Less than 20 kt	819
14:36:30.08	37.033	-116.044	1194	Shaft	Weapons Related	Less than 20 kt	820
14:00:00.16	37.151	-116.068	1292	Shaft	Weapons Related	20 to 150 kt	821

Operation Cresset

14:15:00.08	37.008	-116.018	1180	Shaft	Weapons Related	Less than 20 kt	822
18:06:00.07	37.188	-116.214	2239	Tunnel	Weapons Effects	Less than 20 kt	823
22:00:00.08	37.072	-116.051	1221	Shaft	Weapons Related	20 to 150 kt	824
19:30:00.08	37.021	-116.026	1186	Shaft	Weapons Related	Less than 20 kt	825
15:30:00.07	37.136	-116.087	1290	Shaft	Weapons Related	20 to 150 kt	826
15:00:00.17	37.018	-116.019	1184	Shaft	Weapons Related	Less than 20 kt	827
21:53:00.16	37.126	-116.033	1269	Shaft	Weapons Related	Less than 20 kt	828
17:00:00.16	37.124	-116.065	1261	Shaft	Weapons Related	20 to 150 kt	829
15:00:00.07	37.085	-116.082	1247	Shaft	Weapons Related	Less than 20 kt	830
16:30:00.20	37.102	-116.052	1239	Shaft	Weapons Related	20 to 150 kt	831
16:30:00.11	37.099	-116.020	1282	Shaft	Weapons Related	Less than 20 kt	832

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Test	Date (mm/dd/yyyy) (GMT)	Sponsor	Location	Hole
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Operation Cresset -- Continued

833	Backbeach	04/11/1978	LANL	NTS	U19x
834	Fondutta	04/11/1978	LLNL/UK	NTS	U19zs
835	Asco	04/25/1978	LLNL	NTS	U10bc
836	Transom No nuclear yield Device was destroyed by Hearts detonation on 09/06/1979	05/10/1978	LANL	NTS	U4f
837	Jackpots	06/01/1978	LANL	NTS	U3kj
838	Satz	07/07/1978	LLNL	NTS	U2dq
839	Lowball	07/12/1978	LANL	NTS	U7av
840	Panir	08/31/1978	LLNL	NTS	U19ys
841	Diablo Hawk	09/13/1978	LLNL/DoD	NTS	U12n.10a
842	Draughts	09/27/1978	LANL	NTS	U7al
843	Rummy	09/27/1978	LANL	NTS	U7au
844	Cremino	09/27/1978	LLNL	NTS	U8e
	Cremino-Caerphilly Simultaneous, same hole	09/27/1978	LLNL	NTS	U8e

Operation Quicksilver

845	Emmenthal	11/02/1978	LLNL	NTS	U19t
846	Quargel	11/18/1978	LLNL/UK	NTS	U2fb
847	Concentration	12/01/1978	LANL	NTS	U3kn
848	Farm	12/16/1978	LLNL	NTS	U20ab
849	Baccarat	01/24/1979	LANL	NTS	U7ax
850	Quinella	02/08/1979	LANL	NTS	U4l
851	Kloster	02/15/1979	LLNL	NTS	U2eo
852	Memory	03/14/1979	LANL	NTS	U3kq
853	Freezeout	05/11/1979	LANL	NTS	U3kw
854	Pepato	06/11/1979	LLNL	NTS	U20ad
855	Chess	06/20/1979	LANL	NTS	U7at
856	Fajy	06/28/1979	LLNL	NTS	U2fc
857	Burzet	08/03/1979	LLNL	NTS	U4ai
858	Offshore	08/08/1979	LANL	NTS	U3ks
859	Nessel	08/29/1979	LLNL/UK	NTS	U2ep
860	Hearts Detonation destroyed undetonated Transom device from 05/10/1978	09/06/1979	LANL	NTS	U4n
861	Pera	09/08/1979	LLNL	NTS	U10bd
862	Sheepshead	09/26/1979	LANL	NTS	U19aa

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Time (GMT)	Latitude (degrees)	Longitude (degrees)	Surface Elevation (meters)	Type	Purpose	Yield Range	
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Operation Cresset -- Continued

17:45:00.07	37.233	-116.369	2040	Shaft	Weapons Related	20 to 150 kt	833
15:30:00.16	37.300	-116.328	2072	Shaft	Joint US-UK	20 to 150 kt	834
14:35:00.16	37.155	-116.036	1285	Shaft	Safety Experiment	Less than 20 kt	835
15:00:00.07	37.088	-116.053	1231	Shaft	Weapons Related	Zero	836
17:00:00.08	37.021	-116.033	1186	Shaft	Weapons Related	Less than 20 kt	837
14:00:00.17	37.112	-116.078	1263	Shaft	Weapons Related	Less than 20 kt	838
17:00:00.08	37.079	-116.045	1225	Shaft	Weapons Related	20 to 150 kt	839
14:00:00.16	37.276	-116.358	2013	Shaft	Weapons Related	20 to 150 kt	840
15:15:00.16	37.209	-116.212	2212	Tunnel	Weapons Effects	Less than 20 kt	841
17:00:00.07	37.074	-116.021	1234	Shaft	Weapons Related	20 to 150 kt	842
17:20:00.08	37.080	-116.052	1226	Shaft	Weapons Related	20 to 150 kt	843
16:30:00.17	37.171	-116.088	1341	Shaft	Weapons Related	Less than 20 kt	844
16:30:00.17	37.171	-116.088	1341	Shaft	Weapons Related	Less than 20 kt	

Operation Quicksilver

15:25:00.17	37.288	-116.298	2104	Shaft	Weapons Related	Less than 20 kt	845
19:00:00.17	37.127	-116.085	1275	Shaft	Joint US-UK	20 to 150 kt	846
17:07:30.07	37.030	-116.025	1189	Shaft	Weapons Related	Less than 20 kt	847
15:30:00.16	37.273	-116.411	1979	Shaft	Weapons Related	20 to 150 kt	848
18:00:00.10	37.105	-116.013	1311	Shaft	Weapons Related	Less than 20 kt	849
20:00:00.09	37.102	-116.056	1241	Shaft	Weapons Related	20 to 150 kt	850
18:05:00.16	37.152	-116.073	1297	Shaft	Weapons Related	20 to 150 kt	851
18:30:00.10	37.028	-116.041	1190	Shaft	Weapons Related	Less than 20 kt	852
16:00:00.10	36.998	-116.019	1177	Shaft	Weapons Related	Less than 20 kt	853
14:00:00.17	37.290	-116.456	1913	Shaft	Weapons Related	20 to 150 kt	854
15:00:13.54	37.108	-116.016	1309	Shaft	Weapons Related	Less than 20 kt	855
14:44:00.17	37.143	-116.088	1303	Shaft	Weapons Related	20 to 150 kt	856
15:07:30.16	37.084	-116.071	1235	Shaft	Weapons Related	20 to 150 kt	857
15:00:00.11	37.015	-116.009	1182	Shaft	Weapons Related	20 to 150 kt	858
15:08:00.17	37.121	-116.067	1260	Shaft	Joint US-UK	20 to 150 kt	859
15:00:00.09	37.088	-116.054	1232	Shaft	Weapons Related	140 kt	860
17:02:00.09	37.155	-116.039	1280	Shaft	Weapons Related	Less than 20 kt	861
15:00:00.09	37.229	-116.365	2033	Shaft	Weapons Related	20 to 150 kt	862

CANL

United States Nuclear Tests – By Date

Test	Date (mm/dd/yyyy) (GMT)	Sponsor	Location	Hole
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Operation Tinderbox

863	Backgammon	11/29/1979	LANL	NTS	U3jh
864	Azul Detonation destroyed Peninsula device that was damaged during emplacement on 10/23/1975 Peninsula device was not tested	12/14/1979	LLNL	NTS	U2em
865	Tarko	02/28/1980	LLNL	NTS	U2fd
866	Norbo Accidental release of radioactivity detected onsite only	03/08/1980	LLNL	NTS	U8c
867	Liptauer	04/03/1980	LLNL	NTS	U2eh
868	Pyramid	04/16/1980	LANL	NTS	U7be
869	Colwick	04/26/1980	LLNL/UK	NTS	U20ac
870	Canfield	05/02/1980	LANL	NTS	U3kx
871	Flora	05/22/1980	LANL	NTS	U3lg
872	Kash	06/12/1980	LLNL	NTS	U20af
873	Huron King	06/24/1980	LANL/DoD	NTS	U3ky
874	Tafi	07/25/1980	LLNL	NTS	U20ae
875	Verdello	07/31/1980	LANL	NTS	U3ku
876	Bonarda	09/25/1980	LANL	NTS	U3gv
877	Riola Accidental release of radioactivity detected offsite	09/25/1980	LLNL	NTS	U2eq

Operation Guardian

878	Dutchess	10/24/1980	LANL/UK	NTS	U7bm
879	Miners Iron	10/31/1980	LANL/DoD	NTS	U12n.11
880	Dauphin	11/14/1980	LLNL	NTS	U9cq
881	Serpa	12/17/1980	LLNL/UK	NTS	U19ai
882	Baseball	01/15/1981	LANL	NTS	U7ba
883	Clairette	02/05/1981	LANL	NTS	U3kr
884	Seco	02/25/1981	LLNL	NTS	U8l
885	Vide	04/30/1981	LLNL	NTS	U8k
886	Aligote	05/29/1981	LANL	NTS	U7bg
887	Harzer	06/06/1981	LLNL	NTS	U19aj
888	Niza	07/10/1981	LLNL	NTS	U9cr
889	Pineau	07/16/1981	LANL	NTS	U7ao
890	Havarti	08/05/1981	LLNL	NTS	U10bg
891	Islay	08/27/1981	LLNL	NTS	U2er
892	Trebbiano	09/04/1981	LANL	NTS	U3lj
893	Cernada	09/24/1981	LANL	NTS	U3kk

July 1945 through September 1992

Time (GMT)	Latitude (degrees)	Longitude (degrees)	Surface Elevation (meters)	Type	Purpose	Yield Range	
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Operation Tinderbox

15:00:00.10	36.994	-116.025	1175	Shaft	Weapons Related	Less than 20 kt	863
18:00:00.09	37.137	-116.064	1275	Shaft	Weapons Related	Less than 20 kt	864
15:00:00.09	37.127	-116.089	1280	Shaft	Weapons Related	Less than 20 kt	865
15:35:00.09	37.180	-116.084	1349	Shaft	Weapons Related	Less than 20 kt	866
14:00:00.09	37.150	-116.083	1304	Shaft	Weapons Related	20 to 150 kt	867
20:00:00.09	37.101	-116.031	1266	Shaft	Weapons Related	20 to 150 kt	868
17:00:00.08	37.248	-116.423	1946	Shaft	Joint US-UK	20 to 150 kt	869
18:46:30.09	37.056	-116.020	1211	Shaft	Weapons Related	Less than 20 kt	870
13:00:00.09	37.003	-116.032	1179	Shaft	Weapons Related	Less than 20 kt	871
17:15:00.09	37.282	-116.455	1911	Shaft	Weapons Related	20 to 150 kt	872
15:10:00.07	37.023	-116.035	1187	Shaft	Weapons Effects	Less than 20 kt	873
19:05:00.08	37.256	-116.478	1859	Shaft	Weapons Related	20 to 150 kt	874
18:19:00.09	37.013	-116.024	1183	Shaft	Weapons Related	Less than 20 kt	875
14:45:00.09	37.056	-116.049	1209	Shaft	Weapons Related	20 to 150 kt	876
15:26:30.08	37.116	-116.065	1254	Shaft	Weapons Related	1.07 kt	877

Operation Guardian

19:15:00.12	37.075	-116.000	1265	Shaft	Joint US-UK	Less than 20 kt	878
18:00:00.09	37.211	-116.206	2212	Tunnel	Weapons Effects	Less than 20 kt	879
16:50:00.08	37.111	-116.020	1306	Shaft	Weapons Related	Less than 20 kt	880
15:10:00.09	37.325	-116.316	2028	Shaft	Joint US-UK	20 to 150 kt	881
20:25:00.09	37.087	-116.046	1232	Shaft	Weapons Related	20 to 150 kt	882
18:00:00.12	37.011	-116.033	1182	Shaft	Weapons Related	Less than 20 kt	883
15:00:00.08	37.182	-116.085	1356	Shaft	Weapons Related	Less than 20 kt	884
14:35:00.08	37.177	-116.086	1346	Shaft	Weapons Related	Less than 20 kt	885
16:00:00.09	37.102	-116.005	1311	Shaft	Weapons Related	Less than 20 kt	886
18:00:00.08	37.303	-116.326	2073	Shaft	Weapons Related	20 to 150 kt	887
14:00:00.10	37.129	-116.035	1266	Shaft	Weapons Related	Less than 20 kt	888
15:00:00.10	37.089	-116.020	1259	Shaft	Weapons Related	Less than 20 kt	889
13:41:00.09	37.154	-116.036	1283	Shaft	Weapons Related	Less than 20 kt	890
14:31:00.09	37.160	-116.067	1297	Shaft	Weapons Related	Less than 20 kt	891
15:00:00.10	37.058	-116.049	1211	Shaft	Weapons Related	Less than 20 kt	892
15:00:00.09	37.008	-116.025	1181	Shaft	Weapons Related	Less than 20 kt	893

United States Nuclear Tests – By Date

Test	Date (mm/dd/yyyy) (GMT)	Sponsor	Location	Hole
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Operation Praetorian

894	Paliza	10/01/1981	LANL	NTS	U7bd
895	Tilci	11/11/1981	LANL	NTS	U4ak
896	Rousanne	11/12/1981	LANL/UK	NTS	U4p
897	Akavi	12/03/1981	LLNL	NTS	U2es
898	Caboc	12/16/1981	LLNL	NTS	U2cp
899	Jornada	01/28/1982	LANL	NTS	U4j
900	Molbo	02/12/1982	LLNL	NTS	U20ag
901	Hosta	02/12/1982	LANL	NTS	U19ak
902	Tenaja	04/17/1982	LANL	NTS	U3lh
903	Gibne	04/25/1982	LLNL/UK	NTS	U20ah
904	Kryddost	05/06/1982	LLNL	NTS	U2co
905	Bouschet	05/07/1982	LANL	NTS	U3la
906	Kesti	06/16/1982	LLNL	NTS	U9cn
907	Nebbiolo	06/24/1982	LANL	NTS	U19ae
908	Monterey	07/29/1982	LLNL	NTS	U4aj
909	Atrisco	08/05/1982	LANL	NTS	U7bp
910	Queso	08/11/1982	LLNL	NTS	U10bf
911	Cerro	09/02/1982	LANL	NTS	U3lf
912	Huron Landing Simultaneous with Diamond Ace	09/23/1982	LLNL/LANL/DoD	NTS	U12n.15
913	Diamond Ace Simultaneous with Huron Landing	09/23/1982	LLNL/LANL/DoD	NTS	U12n.15
914	Frisco	09/23/1982	LLNL	NTS	U8m
915	Borrego	09/29/1982	LANL	NTS	U7br

Operation Phalanx

916	Seyval	11/12/1982	LANL	NTS	U3lm
917	Manteca	12/10/1982	LLNL	NTS	U4al
918	Coalora	02/11/1983	LANL	NTS	U3lo
919	Cheedam	02/17/1983	LLNL	NTS	U2et
920	Cabra	03/26/1983	LLNL	NTS	U20aj
921	Turquoise	04/14/1983	LANL	NTS	U7bu
922	Armada <i>< 20 kb</i>	04/22/1983	LLNL/UK	NTS	U9cs
923	Crowdie	05/05/1983	LLNL	NTS	U2fe
924	Mini Jade	05/26/1983	LANL/DoD	NTS	U12n.12
925	Fahada	05/26/1983	LANL	NTS	U7bh
926	Danablu	06/09/1983	LLNL	NTS	U2eu
927	Laban	08/03/1983	LLNL	NTS	U2ff
928	Sabado	08/11/1983	LANL	NTS	U3lc
929	Jarlsberg	08/27/1983	LLNL	NTS	U10ca

July 1945 through September 1992

Time (GMT)	Latitude (degrees)	Longitude (degrees)	Surface Elevation (meters)	Type	Purpose	Yield Range	
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Operation Praetorian

19:00:00.10	37.082	-116.010	1260	Shaft	Weapons Related	20 to 150 kt	894
20:00:09.09	37.076	-116.069	1232	Shaft	Weapons Related	20 to 150 kt	895
15:00:00.10	37.108	-116.050	1243	Shaft	Joint US-UK	20 to 150 kt	896
15:00:00.10	37.148	-116.072	1293	Shaft	Weapons Related	20 to 150 kt	897
21:05:00.09	37.114	-116.124	1348	Shaft	Weapons Related	Less than 20 kt	898
16:00:00.10	37.091	-116.052	1233	Shaft	Weapons Related	139 kt	899
14:55:00.08	37.224	-116.464	1873	Shaft	Weapons Related	20 to 150 kt	900
15:25:00.09	37.348	-116.317	2076 CAPC	Shaft	Weapons Related	20 to 150 kt	901
18:00:00.09	37.017	-116.011	1177	Shaft	Weapons Related	Less than 20 kt	902
18:05:00.09	37.256	-116.423	1937	Shaft	Joint US-UK	20 to 150 kt	903
20:00:00.08	37.117	-116.128	1363	Shaft	Weapons Related	Less than 20 kt	904
18:17:00.11	37.069	-116.046	1217	Shaft	Weapons Related	20 to 150 kt	905
14:00:00.08	37.114	-116.017	1312	Shaft	Weapons Related	Less than 20 kt	906
14:15:00.09	37.236	-116.371	2038 CAPC	Shaft	Weapons Related	20 to 150 kt	907
20:05:00.08	37.102	-116.076	1253	Shaft	Weapons Related	20 to 150 kt	908
14:00:00.09	37.084	-116.007	1268	Shaft	Weapons Related	138 kt	909
15:00:00.00	37.190	-116.049	1310	Shaft	Weapons Related	Less than 20 kt	910
14:00:00.09	37.020	-116.017	1184	Shaft	Weapons Related	Less than 20 kt	911
16:00:00.09	37.212	-116.208	1824	Tunnel	Weapons Effects	Less than 20 kt	912
16:00:00.09	37.212	-116.208	1824	Tunnel	Weapons Effects	Less than 20 kt	913
17:00:00.09	37.175	-116.089	1347	Shaft	Weapons Related	20 to 150 kt	914
13:30:00.10	37.091	-116.046	1234	Shaft	Weapons Related	Less than 150 kt	915

Operation Phalanx

19:17:00.10	37.024	-116.033	1187	Shaft	Weapons Related	Less than 20 kt	916
15:20:00.09	37.080	-116.073	1236	Shaft	Weapons Related	20 to 150 kt	917
16:00:00.10	37.056	-116.046	1210	Shaft	Weapons Related	Less than 20 kt	918
17:00:00.09	37.163	-116.064	1293	Shaft	Weapons Related	Less than 20 kt	919
20:20:00.09	37.301	-116.461	1907	Shaft	Weapons Related	20 to 150 kt	920
19:05:00.12	37.073	-116.047	1219	Shaft	Weapons Related	Less than 150 kt	921
13:53:00.08	37.111	-116.023	1296	Shaft	Joint US-UK	Less than 20 kt	922
15:20:00.08	37.146	-116.090	1309	Shaft	Weapons Related	Less than 20 kt	923
14:30:00.09	37.209	-116.206	1828	Tunnel	Weapons Effects	Less than 20 kt	924
15:00:00.09	37.103	-116.007	1312	Shaft	Weapons Related	Less than 20 kt	925
17:10:00.09	37.158	-116.090	1327	Shaft	Weapons Related	Less than 20 kt	926
13:33:00.10	37.119	-116.090	1276	Shaft	Weapons Related	Less than 20 kt	927
14:00:00.12	36.998	-116.004	1175	Shaft	Weapons Related	Less than 20 kt	928
14:00:00.09	37.193	-116.035	1318	Shaft	Weapons Related	Less than 20 kt	929

United States Nuclear Tests – By Date

Test	Date (mm/dd/yyyy) (GMT)	Sponsor	Location	Hole
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Operation Phalanx -- Continued

930	Chancellor	09/01/1983	LANL	NTS	U19ad
931	Tomme/Midnight Zephyr	09/21/1983	LLNL/DoD	NTS	U12n.18
932	Branco	09/21/1983	LLNL	NTS	U2ew
	Branco-Herkimer Simultaneous, same hole	09/21/1983	LLNL	NTS	U2ew
933	Techado	09/22/1983	LANL	NTS	U4o
934	Navata	09/29/1983	LANL	NTS	U3lb

Operation Fusileer

935	Muggins	12/09/1983	LANL	NTS	U3ls
936	Romano	12/16/1983	LLNL	NTS	U2ex
937	Gorbea	01/31/1984	LLNL	NTS	U2cq
938	Midas Myth/Milagro	02/15/1984	LANL/DoD	NTS	U12t.04
939	Tortugas	03/01/1984	LANL	NTS	U3gg
940	Agrini Accidental release of radioactivity detected onsite only	03/31/1984	LLNL	NTS	U2ev
941	Mundo	05/01/1984	LANL/UK	NTS	U7bo
942	Orkney	05/02/1984	LLNL	NTS	U10be
943	Bellow	05/16/1984	LLNL	NTS	U4ac
944	Caprock	05/31/1984	LANL	NTS	U4q
945	Duoro	06/20/1984	LANL	NTS	U3lv
946	Normanna	07/12/1984	LLNL	NTS	U10cb
947	Kappeli	07/25/1984	LLNL	NTS	U20am
948	Correo	08/02/1984	LANL	NTS	U3lw
949	Dolcetto	08/30/1984	LANL	NTS	U7bi
950	Wexford	08/30/1984	LLNL	NTS	U2cr
951	Breton	09/13/1984	LLNL	NTS	U4ar

Operation Grenadier

952	Vermejo	10/02/1984	LANL	NTS	U4r
953	Villita	11/10/1984	LANL	NTS	U3ld
954	Egmont	12/09/1984	LLNL/UK	NTS	U20al
955	Tierra	12/15/1984	LLNL	NTS	U19ac
956	Minero	12/20/1984	LANL	NTS	U3lt
957	Vaughn	03/15/1985	LANL	NTS	U3lr
958	Cottage	03/23/1985	LLNL	NTS	U8j
959	Hermosa	04/02/1985	LANL	NTS	U7bs
960	Misty Rain Controlled release of radioactivity detected offsite	04/06/1985	LLNL/DoD	NTS	U12n.17
961	Towanda	05/02/1985	LANL	NTS	U19ab

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Time (GMT)	Latitude (degrees)	Longitude (degrees)	Surface Elevation (meters)	Type	Purpose	Yield Range
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Operation Phalanx -- Continued

14:00:00.08	37.273	-116.356	2013 ^{LAVL}	Shaft	Weapons Related	143 kt	930
15:00:00.09	37.210	-116.210	2230	Tunnel	Weapons Effects	Less than 20 kt	931
16:25:00.08	37.121	-116.056	1256	Shaft	Weapons Related	Less than 20 kt	932
16:25:00.08	37.121	-116.056	1256	Shaft	Weapons Related	Less than 20 kt	
15:00:00.12	37.106	-116.050	1241	Shaft	Weapons Related	Less than 150 kt	933
15:00:00.09	37.053	-116.021	1207	Shaft	Safety Experiment	Less than 20 kt	934

Operation Fusileer

16:00:00.11	37.013	-116.047	1188	Shaft	Weapons Related	Less than 20 kt	935
18:30:00.09	37.140	-116.073	1287	Shaft	Weapons Related	20 to 150 kt	936
15:30:00.08	37.113	-116.123	1344	Shaft	Weapons Related	20 to 150 kt	937
17:00:00.11	37.221	-116.182	2044 ^{LAVL}	Tunnel	Weapons Effects	Less than 20 kt	938
17:45:00.09	37.066	-116.047	1216	Shaft	Weapons Related	20 to 150 kt	939
14:30:00.08	37.146	-116.085	1304	Shaft	Weapons Related	Less than 20 kt	940
19:05:00.09	37.106	-116.023	1292	Shaft	Joint US-UK	20 to 150 kt	941
13:50:00.09	37.198	-116.055	1351	Shaft	Weapons Related	Less than 20 kt	942
16:00:00.08	37.092	-116.094	1266	Shaft	Weapons Related	Less than 20 kt	943
13:04:00.10	37.103	-116.049	1237	Shaft	Weapons Related	20 to 150 kt	944
15:15:00.09	37.000	-116.044	1180	Shaft	Weapons Related	20 to 150 kt	945
14:00:00.09	37.192	-116.035	1315	Shaft	Weapons Related	Less than 20 kt	946
15:30:00.08	37.268	-116.412	1982	Shaft	Weapons Related	20 to 150 kt	947
15:00:00.09	37.017	-116.009	1182	Shaft	Weapons Related	Less than 20 kt	948
14:45:00.10	37.090	-116.000	1291	Shaft	Weapons Related	Less than 20 kt	949
14:45:00.00	37.144	-116.126	1376	Shaft	Weapons Related	Less than 20 kt	950
14:00:00.00	37.087	-116.072	1238	Shaft	Weapons Related	20 to 150 kt	951

Operation Grenadier

18:14:00.10	37.085	-116.054	1229	Shaft	Weapons Related	Less than 20 kt	952
16:40:00.09	37.000	-116.018	1177	Shaft	Weapons Related	Less than 20 kt	953
19:40:00.09	37.270	-116.498	1839 [*]	Shaft	Joint US-UK	20 to 150 kt	954
14:45:00.00	37.281	-116.306	2118	Shaft	Weapons Related	20 to 150 kt	955
16:20:00.11	37.012	-116.046	1187	Shaft	Weapons Related	Less than 20 kt	956
16:31:00.10	37.058	-116.046	1211	Shaft	Weapons Related	20 to 150 kt	957
18:30:00.08	37.180	-116.090	1362	Shaft	Weapons Related	20 to 150 kt	958
20:00:00.09	37.095	-116.033	1251	Shaft	Weapons Related	20 to 150 kt	959
23:15:00.09	37.201	-116.208	2212	Tunnel	Weapons Effects	Less than 20 kt	960
15:20:00.08	37.253	-116.326	2085 ^{LAVL}	Shaft	Weapons Related	20 to 150 kt	961

United States Nuclear Tests – By Date

Test	Date (mm/dd/yyyy) (GMT)	Sponsor	Location	Hole	
Operation Grenadier -- Continued					
962	Salut	06/12/1985	LLNL	NTS	U20ak
963	Ville	06/12/1985	LLNL	NTS	U4am
964	Maribo	06/26/1985	LLNL	NTS	U2cs
965	Serena	07/25/1985	LLNL	NTS	U20an
966	Cebrero	08/14/1985	LLNL	NTS	U9cw
967	Chamita	08/17/1985	LANL	NTS	U3lz
968	Ponil	09/27/1985	LANL	NTS	U7bv
Operation Charioteer					
969	Mill Yard	10/09/1985	LANL/DoD	NTS	U12n.20
970	Diamond Beech	10/09/1985	LLNL/DoD	NTS	U12n.19
971	Roquefort	10/16/1985	LLNL	NTS	U4as
972	Abo	10/30/1985	LANL	NTS	U3mc
973	Kinibito	12/05/1985	LANL/UK	NTS	U3me
974	Goldstone	12/28/1985	LLNL	NTS	U20ao
975	Glencoe Operational release of radioactivity detected offsite	03/22/1986	LANL	NTS	U4i
976	Mighty Oak Controlled release of radioactivity detected offsite	04/10/1986	LLNL/DoD	NTS	U12t.08
977	Mogollon	04/20/1986	LANL	NTS	U3li
978	Jefferson	04/22/1986	LLNL	NTS	U20ai
979	Panamint	05/21/1986	LLNL	NTS	U2gb
980	Tajo	06/05/1986	LANL	NTS	U7bl
981	Darwin	06/25/1986	LLNL/UK	NTS	U20aq
982	Cybar <i>11968</i>	07/17/1986	LANL	NTS	U19ar
983	Cornucopia	07/24/1986	LLNL	NTS	U2ga(s)
984	Galveston	09/04/1986	LANL	NTS	U19af
985	Aleman	09/11/1986	LANL	NTS	U3kz
986	Labquark	09/30/1986	LLNL	NTS	U19an
Operation Musketeer					
987	Belmont	10/16/1986	LLNL	NTS	U20as
988	Gascon	11/14/1986	LANL	NTS	U4t
989	Bodie	12/13/1986	LLNL	NTS	U20ap
990	Hazebrook-Emerald (Green)	02/03/1987	LLNL	NTS	U10bh
	Hazebrook-Checkerberry (Red)	02/03/1987	LLNL	NTS	U10bh
	Hazebrook-Apricot (Orange)	02/03/1987	LLNL	NTS	U10bh
	Simultaneous, same hole				
991	Tornero	02/11/1987	LANL	NTS	U3ll
992	Middle Note	03/18/1987	LLNL/DoD	NTS	U12n.21

July 1945 through September 1992

Time (GMT)	Latitude (degrees)	Longitude (degrees)	Surface Elevation (meters)	Type	Purpose	Yield Range	
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Operation Grenadier -- Continued

15:15:00.08	37.248	-116.490	1873	Shaft	Weapons Related	20 to 150 kt	962
17:30:00.09	37.088	-116.085	1250	Shaft	Weapons Related	Less than 20 kt	963
18:03:00.08	37.124	-116.123	1352	Shaft	Weapons Related	Less than 20 kt	964
14:00:00.09	37.297	-116.439	1942	Shaft	Weapons Related	20 to 150 kt	965
13:00:00.08	37.111	-116.015	1316	Shaft	Weapons Related	Less than 20 kt	966
16:25:00.09	37.002	-116.044	1181	Shaft	Weapons Related	Less than 20 kt	967
14:15:00.08	37.090	-116.003	1284	Shaft	Weapons Related	Less than 20 kt	968

Operation Charioteer

21:40:00.13	37.209	-116.206	2203 <i>LAWL</i>	Tunnel	Weapons Effects	Less than 20 kt	969
23:20:00.09	37.210	-116.211	2230	Tunnel	Weapons Effects	Less than 20 kt	970
21:35:00.09	37.110	-116.122	1341	Shaft	Weapons Related	20 to 150 kt	971
16:00:00.09	37.051	-116.037	1202	Shaft	Weapons Related	Less than 20 kt	972
<i>inba</i> 15:00:00.07	37.053	-116.046	1208	Shaft	Joint US-UK	20 to 150 kt	973
19:01:00.09	37.238	-116.474	1887	Shaft	Weapons Related	20 to 150 kt	974
16:15:00.08	37.083	-116.067	1233	Shaft	Weapons Related	29 kt	975
14:08:30.10	37.218	-116.184	2084	Tunnel	Weapons Effects	Less than 20 kt	976
15:12:30.07	37.012	-116.047	1187	Shaft	Weapons Related	Less than 20 kt	977
14:30:00.09	37.264	-116.441	1955	Shaft	Weapons Related	20 to 150 kt	978
13:59:00.08	37.125	-116.061	1259	Shaft	Weapons Related	Less than 20 kt	979
15:04:00.06	37.098	-116.016	1289	Shaft	Weapons Related	20 to 150 kt	980
<i>2</i> 20:27:45.09	37.265	-116.500	1849	Shaft	Joint US-UK	20 to 150 kt	981
21:00:00.06	37.279	-116.356	2017 <i>LAWL</i>	Shaft	Weapons Related	119 kt	982
15:05:00.09	37.143	-116.072	1287	Shaft	Weapons Related	Less than 20 kt	983
16:09:00.06	37.240	-116.369	2018 <i>LAWL</i>	Shaft	Weapons Related	Less than 20 kt	984
14:57:00.11	37.069	-116.051	1218	Shaft	Weapons Related	Less than 20 kt	985
22:30:00.10	37.300	-116.308	2100	Shaft	Weapons Related	20 to 150 kt	986

Operation Musketeer

19:25:00.09	37.220	-116.463	1871	Shaft	Weapons Related	20 to 150 kt	987
16:00:00.07	37.100	-116.049	1236	Shaft	Weapons Related	20 to 150 kt	988
17:50:05.09	37.263	-116.413	1991	Shaft	Weapons Related	20 to 150 kt	989
15:20:00.08	37.181	-116.049	1291	Shaft	Weapons Related	Less than 20 kt	990
15:20:00.08	37.181	-116.049	1291	Shaft	Weapons Related	Less than 20 kt	
15:20:00.08	37.181	-116.049	1291	Shaft	Safety Experiment	Less than 20 kt	
16:45:00.07	37.011	-116.046	1186	Shaft	Weapons Related	Less than 20 kt	991
18:28:00.09	37.210	-116.209	2223	Tunnel	Weapons Effects	Less than 20 kt	992

United States Nuclear Tests – By Date

Test	Date (mm/dd/yyyy) (GMT)	Sponsor	Location	Hole
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Operation Musketeer -- Continued

993	Delamar	04/18/1987	LLNL	NTS	U20at
994	Presidio	04/22/1987	LANL	NTS	U6d
995	Hardin	04/30/1987	LLNL	NTS	U20av
996	Brie	06/18/1987	LLNL	NTS	U10cc
997	Mission Ghost	06/20/1987	LANL/DoD	NTS	U12t.09
998	Panchuela	06/30/1987	LANL	NTS	U3mg
999	Midland	07/16/1987	LANL/UK	NTS	U7by
1000	Tahoka	08/13/1987	LANL	NTS	U3mf
1001	Lockney	09/24/1987	LANL	NTS	U19aq

Operation Touchstone

1002	Borate	10/23/1987	LLNL	NTS	U2ge
1003	Waco	12/01/1987	LANL	NTS	U3lu
1004	Mission Cyber	12/02/1987	LLNL/DoD	NTS	U12p.02
1005	Kernville	02/15/1988	LLNL	NTS	U20ar
1006	Abilene	04/07/1988	LANL	NTS	U3mn
1007	Schellbourne	05/13/1988	LLNL	NTS	U2gf
1008	Laredo	05/21/1988	LANL	NTS	U3mh
1009	Comstock	06/02/1988	LLNL	NTS	U20ay
1010	Rhyolite Simultaneous with Nightingale	06/22/1988	LLNL	NTS	U2ey
1011	Nightingale Simultaneous with Rhyolite	06/22/1988	LLNL	NTS	U2ey
1012	Alamo	07/07/1988	LANL	NTS	U19au
1013	Kearsarge <i>100-150</i> Joint Verification Experiment	08/17/1988	LLNL	NTS	U19ax
1014	Harlingen-A	08/23/1988	LANL	NTS	U6g
	Harlingen-B Simultaneous, separate holes	08/23/1988	LANL	NTS	U6h
1015	Bullfrog	08/30/1988	LLNL	NTS	U4au

Operation Cornerstone

1016	Dalhart	10/13/1988	LANL	NTS	U4u
1017	Monahans-A	11/09/1988	LANL	NTS	U3lk
	Monahans-B Simultaneous, separate holes	11/09/1988	LANL	NTS	U6i
1018	Kawich A-White	12/09/1988	LLNL	NTS	U8n
	Kawich A-Blue Simultaneous, same hole	12/09/1988	LLNL	NTS	U8n
1019	Misty Echo	12/10/1988	LANL/DoD	NTS	U12n.23
1020	Texarkana	02/10/1989	LANL	NTS	U7ca

July 1945 through September 1992

Time (GMT)	Latitude (degrees)	Longitude (degrees)	Surface Elevation (meters)	Type	Purpose	Yield Range	
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Operation Musketeer -- Continued

13:40:00.00	37.248	-116.510	1875	Shaft	Weapons Related	20 to 150 kt	993
15:00:00.09	36.983	-116.005	1171	Shaft	Weapons Related	Less than 20 kt	994
13:30:00.09	37.233	-116.424	1943	Shaft	Weapons Related	20 to 150 kt	995
15:20:00.08	37.194	-116.036	1318	Shaft	Weapons Related	Less than 20 kt	996
16:00:00.18	37.220	-116.179	2017 ^{MLC P.D.}	Tunnel	Weapons Effects	Less than 20 kt	997
16:05:00.10	36.999	-116.044	1179	Shaft	Weapons Related	Less than 20 kt	998
<i>note</i> 19:00:00.08	37.104	-116.024	1284	Shaft	Joint US-UK	20 to 150 kt	999
14:00:00.09	37.061	-116.046	1212	Shaft	Weapons Related	20 to 150 kt	1000
15:00:00.06	37.228	-116.376	2045	Shaft	Weapons Related	20 to 150 kt	1001

Operation Touchstone

16:00:00.09	37.142	-116.080	1294	Shaft	Weapons Related	20 to 150 kt	1002
16:30:00.09	36.996	-116.005	1176	Shaft	Weapons Related	Less than 20 kt	1003
16:30:00.08	37.235	-116.164	1926	Tunnel	Weapons Effects	Less than 20 kt	1004
18:10:00.09	37.314	-116.472	1899	Shaft	Weapons Related	20 to 150 kt	1005
17:15:00.08	37.013	-116.045	1187	Shaft	Weapons Related	Less than 20 kt	1006
15:35:00.11	37.124	-116.073	1268	Shaft	Weapons Related	Less than 150 kt	1007
22:30:00.14	37.032	-115.988	1220	Shaft	Weapons Related	Less than 150 kt	1008
13:00:00.09	37.260	-116.442	1960	Shaft	Weapons Related	Less than 150 kt	1009
14:00:00.08	37.166	-116.073	1309	Shaft	Weapons Related	Less than 150 kt	1010
14:00:00.08	37.166	-116.073	1309	Shaft	Safety Experiment	Less than 150 kt	1011
15:05:30.07	37.252	-116.378	1964 ^{MLC}	Shaft	Weapons Related	Less than 150 kt	1012
17:00:00.09	37.297	-116.307	2102	Shaft	Weapons Related	100 to 150 kt	1013
18:30:00.08	36.991	-116.019	1175	Shaft	Weapons Related	Less than 20 kt	1014
18:30:00.08	36.989	-116.019	1175	Shaft	Weapons Related	Less than 20 kt	
18:00:00.09	37.086	-116.069	1236	Shaft	Weapons Related	Less than 150 kt	1015

Operation Cornerstone

14:00:00.08	37.089	-116.050	1229	Shaft	Weapons Related	Less than 150 kt	1016
20:15:00.08	36.991	-116.022	1175	Shaft	Weapons Related	Less than 20 kt	
20:15:00.08	36.989	-116.022	1174	Shaft	Weapons Related	Less than 20 kt	1017
15:15:00.08	37.175	-116.093	1357	Shaft	Safety Experiment	Less than 20 kt	1018
15:15:00.08	37.175	-116.093	1357	Shaft	Safety Experiment	Less than 20 kt	
20:30:00.06	37.199	-116.210	2232 ^{MLC P.D.}	Tunnel	Weapons Effects	Less than 150 kt	1019
20:06:00.06	37.077	-116.001	1267	Shaft	Weapons Related	20 to 150 kt	1020

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Test	Date (mm/dd/yyyy) (GMT)	Sponsor	Location	Hole
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Operation Cornerstone -- Continued

1021	Kawich-Red	02/24/1989	LLNL	NTS	U2cu
	Kawich-Black Simultaneous, same hole	02/24/1989	LLNL	NTS	U2cu
1022	Ingot	03/09/1989	LLNL	NTS	U2gg
1023	Palisade-1	05/15/1989	LLNL	NTS	U4at
	Palisade-2	05/15/1989	LLNL	NTS	U4at
	Palisade-3 Simultaneous, same hole	05/15/1989	LLNL	NTS	U4at
1024	Tulia	05/26/1989	LANL	NTS	U4s
1025	Contact	06/22/1989	LLNL	NTS	U20aw
1026	Amarillo	06/27/1989	LANL	NTS	U19ay
1027	Disko Elm	09/14/1989	LLNL/DoD	NTS	U12p.03

Operation Aqueduct

1028	Hornitos	10/31/1989	LLNL	NTS	U20bc
1029	Muleshoe	11/15/1989	LANL	NTS	U7bk
1030	Barnwell	12/08/1989	LLNL/UK	NTS	U20az
1031	Whiteface-A	12/20/1989	LANL	NTS	U3lp
	Whiteface-B Simultaneous, same hole	12/20/1989	LANL	NTS	U3lp
1032	Metropolis	03/10/1990	LLNL	NTS	U2gh
1033	Bowie	04/06/1990	LANL	NTS	U3mk
1034	Bullion	06/13/1990	LLNL	NTS	U20bd
1035	Austin	06/21/1990	LANL	NTS	U6e
1036	Mineral Quarry	07/25/1990	LANL/DoD	NTS	U12n.22
	Randsburg Simultaneous, separate drifts	07/25/1990	LLNL/DoD	NTS	U12n.22a
1037	Sundown-A	09/20/1990	LANL	NTS	U1d
	Sundown-B Simultaneous, same hole	09/20/1990	LANL	NTS	U1d
1038	Ledoux	09/27/1990	LANL	NTS	U1a.01

Operation Sculpin

1039	Tenabo	10/12/1990	LLNL	NTS	U20bb
1040	Houston	11/14/1990	LANL/UK	NTS	U19az
1041	Coso-Bronze	03/08/1991	LLNL	NTS	U4an
	Coso-Gray	03/08/1991	LLNL	NTS	U4an
	Coso-Silver Simultaneous, same hole	03/08/1991	LLNL	NTS	U4an
1042	Bexar	04/04/1991	LANL	NTS	U19ba

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Time (GMT)	Latitude (degrees)	Longitude (degrees)	Surface Elevation (meters)	Type	Purpose	Yield Range	
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Operation Cornerstone -- Continued

16:15:00.08	37.128	-116.123	1352	Shaft	Weapons Related	Less than 20 kt	1021
16:15:00.08	37.128	-116.123	1352	Shaft	Safety Experiment	Less than 20 kt	
14:05:00.09	37.143	-116.068	1280	Shaft	Weapons Related	20 to 150 kt	1022
13:10:00.09	37.108	-116.122	1338	Shaft	Weapons Related	Less than 20 kt	1023
13:10:00.09	37.108	-116.122	1338	Shaft	Safety Experiment	Less than 20 kt	
13:10:00.09	37.108	-116.122	1338	Shaft	Safety Experiment	Less than 20 kt	
18:07:00.02	37.086	-116.056	1230	Shaft	Weapons Related	Less than 20 kt	1024
21:15:00.08	37.283	-116.413	1980	Shaft	Weapons Related	20 to 150 kt	1025
15:30:00.02	37.275	-116.354	2019 ^{LA}	Shaft	Weapons Related	20 to 150 kt	1026
15:00:00.10	37.236	-116.164	1917	Tunnel	Weapons Effects	Less than 20 kt	1027

Operation Aqueduct

15:30:00.09	37.263	-116.492	1846	Shaft	Weapons Related	20 to 150 kt	1028
20:20:00.12	37.106	-116.014	1311	Shaft	Weapons Related	Less than 20 kt	1029
<i>me</i> 15:00:00.09	37.231	-116.410	2031 ^{LA}	Shaft	Joint US-UK	20 to 150 kt	1030
22:00:00.06	37.026	-116.032	----	Shaft	Safety Experiment	Less than 20 kt	1031
22:00:00.06	37.026	-116.032	----	Shaft	Safety Experiment	Less than 20 kt	
16:00:00.08	37.112	-116.056	1246	Shaft	Weapons Related	20 to 150 kt	1032
17:00:00.04	37.068	-115.993	1271	Shaft	Weapons Related	Less than 20 kt	1033
16:00:00.09	37.262	-116.421	1950	Shaft	Weapons Related	20 to 150 kt	1034
18:15:00.00	36.993	-116.005	1174	Shaft	Weapons Related	Less than 20 kt	1035
15:00:00.06	37.207	-116.215	2216	Tunnel	Weapons Effects	Less than 20 kt	1036
15:00:00.00	37.207	-116.215	2216	Tunnel	Weapons Related	Less than 20 kt	
16:15:00.00	37.038	-116.058	1206	Shaft	Safety Experiment	Less than 20 kt	1037
16:15:00.00	37.038	-116.058	1206	Shaft	Safety Experiment	Less than 20 kt	
18:02:46.00	37.008	-116.059	1191	Shaft	Weapons Related	Less than 20 kt	1038

Operation Sculpin

17:30:00.08	37.248	-116.495	1871	Shaft	Weapons Related	20 to 150 kt	1039
<i>st</i> 19:17:00.07	37.227	-116.372	2031 ^{LA}	Shaft	Joint US-UK	20 to 150 kt	1040
21:02:45.08	37.104	-116.075	1254	Shaft	Weapons Related	Less than 20 kt	1041
21:02:45.08	37.104	-116.075	1254	Shaft	Weapons Related	Less than 20 kt	
21:02:45.08	37.104	-116.075	1254	Shaft	Safety Experiment	Less than 20 kt	
19:00:00.00	37.296	-116.314	2118 ^{LA}	Shaft	Weapons Related	20 to 150 kt	1042

United States Nuclear Tests – By Date

Test	Date (mm/dd/yyyy) (GMT)	Sponsor	Location	Hole
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Operation Sculpin -- Continued

1043	Montello	04/16/1991	LLNL	NTS	U20bf
1044	Floydada	08/15/1991	LANL	NTS	U7cb
1045	Hoya Treaty verification test	09/14/1991	LLNL	NTS	U20be
1046	Distant Zenith	09/19/1991	LANL/DoD	NTS	U12p.04

Operation Julin

1047	Lubbock	10/18/1991	LANL	NTS	U3mt
1048	Bristol <i>< 2010b</i>	11/26/1991	LLNL/UK	NTS	U4av
1049	Junction Treaty verification test	03/26/1992	LANL	NTS	U19bg
1050	Diamond Fortune	04/30/1992	LANL/DoD	NTS	U12p.05
1051	Victoria	06/19/1992	LANL	NTS	U3kv
1052	Galena-Yellow	06/23/1992	LLNL	NTS	U9cv
	Galena-Orange	06/23/1992	LLNL	NTS	U9cv
	Galena-Green Simultaneous, same hole	06/23/1992	LLNL	NTS	U9cv
1053	Hunters Trophy Test to ensure reliability of U.S. deterrent forces	09/18/1992	LLNL/DoD	NTS	U12n.24
1054	Divider Test to ensure the safety of U.S. deterrent forces	09/23/1992	LANL	NTS	U3ml

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Time (GMT)	Latitude (degrees)	Longitude (degrees)	Surface Elevation (meters)	Type	Purpose	Yield Range	
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Operation Sculpin -- Continued

15:30:00.07	37.245	-116.443	1961	Shaft	Weapons Related	20 to 150 kt	1043
16:00:00.00	37.087	-116.003	1280	Shaft	Weapons Related	Less than 20 kt	1044
19:00:00.08	37.226	-116.429	1951	Shaft	Weapons Related	20 to 150 kt	1045
16:30:00.07	37.236	-116.167	1921	Tunnel	Weapons Effects	Less than 20 kt	1046

Operation Julin

19:12:00.00	37.063	-116.046	1213	Shaft	Weapons Related	20 to 150 kt	1047
18:35:00.07	37.096	-116.070	1246	Shaft	Joint US-UK	Less than 20 kt	1048
16:30:00.00	37.272	-116.361	2013	Shaft	Weapons Related	20 to 150 kt	1049
16:30:00.00	37.234	-116.158	1656	Tunnel	Weapons Effects	Less than 20 kt	1050
16:45:00.00	37.005	-116.011	1179	Shaft	Weapons Related	Less than 20 kt	1051
15:00:00.07	37.124	-116.032	1269	Shaft	Weapons Related	Less than 20 kt	1052
15:00:00.07	37.124	-116.032	1269	Shaft	Safety Experiment	Less than 20 kt	
15:00:00.07	37.124	-116.032	1269	Shaft	Safety Experiment	Less than 20 kt	
17:00:00.08	37.207	-116.211	1827	Tunnel	Weapons Effects	Less than 20 kt	1053
15:04:00.00	37.021	-115.989	1208	Shaft	Weapons Related	Less than 20 kt	1054