

Worldwide Nuclear Explosions

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I. Introduction

The first nuclear test, Trinity, exploded near Alamogordo, New Mexico, U.S.A., on 16 July 1945, marked the beginning of the nuclear explosive testing. Since then there is evidence that 2039 additional explosions have been conducted by seven countries (China, France, India, Pakistan, the Soviet Union, the United Kingdom, and the United States) during 1945-1998, according to information in the Nuclear Explosion Database at the Center for Monitoring Research (CMR) (Yang et al., 2000a; <http://www.pidc.org>). For completeness, the CMR database also includes the possible but disputed occurrence of an atmospheric nuclear explosion on 22 September 1979, with the "responsible country" listed as "Unknown". This paper summarizes information on worldwide nuclear explosions extracted from the CMR database.

The CMR Nuclear Explosion Database contains comprehensive data relevant to nuclear monitoring research (e.g. origin time, location, and yield) on nuclear explosions worldwide. To ensure the completeness of information, data have been collected from a variety of sources, ranging from government announcements to media reports. The database has been maintained and updated on a regular basis as new data became available and as errors have been corrected. In general, an event in the database has several “origins” (data on location, time of occurrence, and confidence bounds). A preferred origin for any given event has been selected based on the most complete and accurate information on the coordinates and time of each explosion. When possible, ground truth (GT) categories have been assigned to the data source to reflect the location accuracy. GTX refers to events with location accuracy better than X km (Yang et al., 2000b). While the accuracy of the origin time is also crucial information, at this time the focus is limited to location accuracy when defining GT events.

Table 1 gives the number of events by country in alphabetical order, and event locations are shown in Figure 1. The two nuclear weapons (5 August 1945; 9 August 1945) that the U.S. exploded over Japan are also included. Official listings are available for all explosions conducted by the United States (DOE/NV209, 1997; ‘NV209’), and for all nuclear explosions conducted by the Soviet Union (Mikhailov et al, 1996; ‘RFAE’). Partial listings of nuclear explosions are available from official publications of China (China Today, 1988; ‘CT’), France (CEA/DAM), and the United Kingdom (NV209). These listings confirm the nuclear nature of each listed event, and frequently the yield has also been given. However, except for shot times in the French list and the coordinates for six events in the U.S. list, they do not include origin times or event coordinates. Such data have been obtained for most events from other sources, official and

unofficial and of varying quality, as described in the following sections. In the absence of coordinates or time for a given event, nominal coordinates or an origin time of 00:00:00 were assigned (there are exceptions for USSR events on 6 June 1964, 8 October 1978, and 7 July 1987 whose announced or estimated origin times were 00:00:00).

Table 2 describes the data sources which were mentioned above, as well as others which were used in the event lists given in the Appendix. The preferred origins for all worldwide nuclear explosions in the CMR database are included in the Appendix. A list of selected highlights from each country's program is given in the printed version of this Volume.

II. US and UK nuclear explosions

The United States Department of Energy (NV209) listed all nuclear tests (including date, location name, yield range, and explosion type) conducted by the U.S.; these took place from July 1945 to September 1992. Among the 1056 events 24 are joint underground tests with the United Kingdom (US-UK) conducted in Nevada. Event coordinates were given for six events: Wigwam and Swordfish (underwater tests), and Yucca, Argus I, Argus II, and Argus III (high altitude and near-space tests). A recent revision of NV209 includes more complete information on US nuclear explosions. The new data will replace the current NV209 in the CMR database at a later date. The U.S. also provided official information on many tests for inclusion in Preliminary Determinations of Epicenters (PDE) or bulletins of the International Seismological Centre (ISC), including origin time and coordinates. This information is identified by authors AEC, ERDA or DOE.

Griggs and Press (1961; ‘G+P’), published authoritative data on times and coordinates of most U.S. tests through 1958. Springer and Kinnaman (1971; 1975; ‘SPRINGER’) published such information on time and coordinates for subsequent US or joint US-UK underground nuclear explosions through 1973. The accuracy of the origin information (latitude, longitude, time) for these later tests should be well within ± 0.1 km in location and ± 0.005 second in time. Other preferred data sources include Gutenberg and Richter (1946; ‘G+R’) for the Bikini Baker event, Gutenberg (1946) for the time of the Trinity event, and Johnson et al. (1981) for the Swordfish event.

Authoritative information on the 21 UK atmospheric tests has been published by the U.S. Department of Defense and Atomic Energy Commission (Glasstone, 1964), giving date, yield range, and location name. Peter Marshall of the UK Atomic Weapons Establishment has kindly provided confirmation of 18 of these, and also added name, height of burst and yield (‘BLACKNEST’). Along with the 24 joint US-UK underground tests given in NV209, the event list is believed to be complete for the UK nuclear explosions.

III. USSR nuclear explosions

The Ministries for Atomic Energy and for Defense of the Russian Federation (RFAE) released official information (including date, location name, yield range, and explosion type) on all USSR nuclear weapons tests and peaceful nuclear explosions (PNEs) that took place from 1949 through 1990. There are 715 tests in total. Bocharov et al. (1989; ‘BOCHAROV’) published authoritative information on time and coordinates for 96 underground USSR nuclear explosions at the Semipalatinsk Test Site. The accuracy of the origin information (latitude, longitude, time) for these tests should be well within ± 0.1 km in location and ± 0.05 second in time. Sultanov et al.

(1999; ‘SULTANOV’) provide a more diverse spectrum of data on Soviet PNEs (most are accurate to ± 1 km in location and ± 1 second in time, but some are accurate only on the order of 10-25 km). Other preferred data sources include Khristoforov (1996; ‘KHRISTOFOROV’) for seven underwater/near-surface explosions in Novaya Zemlya, AWE-JED (U.K. Atomic Weapons Establishment, 1994) and Richards (2000; ‘RICHARDS’) for other Novaya Zemlya events, Khalturin et al. (2000) for some small events in Semipalatinsk, and Murphy and Jenab (1992) for the USSR Joint Verification Experiment (JVE) event.

IV. French nuclear explosions

There is no authoritative source of location information for all of the French tests. The first four tests, conducted in the Sahara, were surface or tower shots reported only to be near Reggan (Glasstone, 1964). However, data on the 13 underground tests in the Sahara, as reported by Bolt (1976; ‘BOLT’), originally published by Duclaux and Michaud (1970) through the Academy of Science, Paris, almost certainly must be derived from authoritative sources.

An official list of French nuclear tests at the Pacific Test Center (CEA/DAM) gives information for 175 events in French Polynesia from 1966-1991, including date and time (accurate to the minute and in most cases to the second), event name, location name, test mode, and released nuclear energy range. Since that time six more probable tests have been conducted at that site. For the better recorded events at Mururoa, the origins obtained by author AWE-JED (U.K. Atomic Weapons Establishment, 1993) probably possess location accuracies of the order of ± 5 km.

V. Chinese, Indian, and Pakistani nuclear explosions

For the Chinese events there is no authoritative information on origin time and location. However, 32 of the 45 Chinese tests have been confirmed by an official publication of the Chinese government (China Today, 1988). For the Chinese tests in the CMR database, preferred data sources include AWE-JED (U.K. Atomic Weapons Establishment, 1993) and GUPTA-JED (Gupta,1995). They are probably fairly accurate (at least on the order of ± 5 km in location), and the latter were referenced to locations based on satellite data. Two AWE-JED events (6 October 1983; 3 October 1984) may possess GT2 quality.

For the Indian and Pakistan explosions, satellite data analyses yielded locations accurate to ± 1 km or better (Gupta and Pabian, 1996; ‘GUPTA+PABIAN’; Barker et al., 1998; ‘BARKER’), except that the preferred origin for the 13 May 1998 is based on the news media.

VI. Summary and conclusions

We have listed information on all 2041 worldwide nuclear explosions (including one unknown/disputed event) conducted by seven countries, extracted from the CMR database. Until recently, none of the nuclear weapons states had published a complete list of accurate locations and origin times for all of the nuclear explosions it has carried out. But in December 2000, revision 15 of DOE NV209 was published that gives complete hypocentral information, including origin time, latitude, longitude, and depth, for all US and joint US-UK tests (http://www.nv.doe.gov/news&pubs/publications/historyreports/pdfs/DOENV209_REV15.pdf).

This information will replace the current NV209 in the CMR database at a later date.

All the 1032 events by the US are confirmed (‘NV209’) nuclear explosions. For the 45 events by the United Kingdom, 18 events are confirmed atmospheric nuclear explosions (‘BLACKNEST’),

24 events are confirmed underground nuclear explosions jointly with the US, and three others are given by Glasstone (1964). All the 715 events by the USSR are confirmed ('RFAE') nuclear explosions. For the 198 events by France, 175 are confirmed nuclear explosions at the Pacific Test Center between 1966 and 1991 ('CEA/DAM'), six additional recent events at that location have been recorded by the PIDC (Prototype International Data Center) between 1995 and 1996, and 17 events before July 1966 are probable nuclear explosions at test sites in the Sahara. For the 45 Chinese events, all 32 events between 1964 and 1984 are confirmed nuclear tests (China Today, 1988), and 13 probable nuclear tests on the Chinese test site have been detected seismically since 1984. Two Indian and Pakistan tests, respectively, have also been recorded by teleseismic stations.

We cannot guarantee that all events are actually nuclear explosions, or that our compilation of the nuclear explosion list is complete. Neither can we guarantee the accuracy of all of the descriptive information on these events, even though we believe the compilers of this information have taken great care. Given the volume of the data, the chance of some errors is high. Accordingly, it is ultimately the users' responsibility to assess the accuracy and completeness of the data, and to determine if they are sufficient for the users' intended purpose. Work to eliminate discrepancies and duplications, and to add new information as it becomes available, will continue.

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Table 1. Worldwide Nuclear explosions

Country	Number of events	Official listing
China	45	CT (partial)
France	198	CEA/DAM (partial)
India	3	-
Pakistan	2	-
Soviet Union	715	RFAE
United Kingdom	21+24 Joint USA-UK	BLACKNEST/NV209 (partial)
United States	1032	NV209
Unknown/disputed	1	-
Total	2041	

Table 2: Data sources used in the Appendix

Data Source	Description	GT*
AEC	CMR compiled data from United State Atomic Energy Commission (as reported in PDE or ISC bulletins)	GT0
AWE-JED	CMR compiled data from Reports of Joint Epicenter Determination at various nuclear testing sites, by the staff of the U.K. Atomic Weapons Establishment. Applicable reports are: AWE Report No. O 12/93 (China), AWE Report No. O 11/93 (France), AWE Report No. O 2/94 (Novaya Zemlya).	GT2/GT5
BARKER	Barker, B., M. Clark, P. Davis, M. Fisk, M. Hedlin, H. Israelsson, V. Khalturin, W.-Y.Kim, K. McLaughin, C. Meade, J. Murphy, R. North, J. Orcutt, C. Powell, P. Richards, R. Stead, J. Stevens, F. Vernon, and T. Wallace, Monitoring nuclear tests, Science, 281, 1967-1968, 1998.	GT1
BOCHAROV	CMR compiled data from Bocharov, V.S., S.A. Selentov and V.N. Michailov, Characteristics of 92 Underground Nuclear Explosions at the Semipalatinsk Test Site, Atomnaya Energia, Vol.87, Issue 3, 1989 (in Russian).	GT0
BOLT	CMR compiled data from Bolt, B.A., Nuclear Explosions and Earth quakes: The Parted Veil., W.H. Freeman, 1976.	-
CEA/DAM	CMR compiled data from CEA/DAM, the atolls of Mururoa and Fanga taufa (french Polynesia), Part II-Nuclear testing-mechanical, lumino-	-

	thermal and electromagnetic effects, Commissariat a l'Energie Atom ique-Direction des Applications Militaires.	
D+I	CMR compiled data from Dahlman, O. and H. Israelsson, Monitoring Underground Nuclear Explosions, Elsevier Scientific Publishing Company, 1977.	-
DOE	CMR compiled data from U.S. Department of Energy (as reported in PDE or ISC bulletins)	GT0
DSIR	CMR compiled data from New Zealand Department of Scientific and Industrial Research.	-
ERDA	CMR compiled data from U.S. Environmental Research and Development Agency (as reported in PDE or ISC bulletins).	GT0
G+P	CMR compiled data from Griggs, D.T. and F. Press, Probing the earth with nuclear explosions, J. Geophys. Res., 61, 237-258, 1961.	GT0/GT2
G+R	CMR compiled data from Gutenberg, B. and C.F. Richter, Seismic waves from atomic bomb tests, Trans. Am. Geoph. Union, 27, 776, 1946.	-
GUPTA+PABIAN	CMR compiled data from Gupta, V. and F. Pabian, Investigating the allegations of Indian nuclear test preparations in the Rajasthan desert, Science and Global Security, Vol.6, no.2, 1996.	GT0
GUPTA-JED	CMR compiled data from Gupta, V., Locating nuclear explosions at the Chinese test site near Lop Nor, Science and Global Security, 5, 205-244, 1995.	GT5
IMS	CMR compiled data from Event reported from the "Intelligent Monitoring System", Center for Seismic Studies, Arlington, VA.	-
ISC	CMR compiled data from Bulletin of the International Seismological Centre, U.K.	-
JOHNSON	CMR compiled data from Johnson, C.T., W.P. de la Houssaye, and T. McMillian, Hydroacoustic Signals at Long Ranges from Shot SWORD FISH, U.S. Navy Electronics Laboratory, A Bureau of Ships Laboratory, San Diego, California, NEL Report 1212 (EX), Extracted Version,1981.	-
KHRISTOFOROV	CMR compiled data from Khristoforov, B., About the control of the underwater and above water nuclear explosions by hydroacoustic methods, Institute for Dynamics of Geosphere, Russian Academy of Sciences, Final report for the project SPC-95-4049, Moscow, October 11, 1996.	GT1
KRR	CMR compiled data from Khalturin, V., T. Rautian, and P. Richards, A study of small magnitude seismic events during 1961-1989 on and near the Semipalatinsk Test Site, Kazakhstan, Pure and Applied Geophysics, in press, 2000.	-
MEDIA	CMR compiled data from the media, e.g. newspaper collections from New York Times and Washington Post.	-
MURPHY+JENAB	CMR compiled data from Murphy and Jenab, Development of a Comprehensive Seismic Yield Estimation System for Underground Nuclear	GT0

	Explosions, Maxwell, PL-TR-92-2076, SSS-TR-92-13129, 1992.	
NORSAR	CMR compiled data from NORSAR, Semiannual Technical Summary, 1 April-30 September 1998, NORSAR Sci Rep. No.1-98/99, 1998.	
NRDC	CMR compiled data from “Nuclear Weapons Databook” or “Nuclear Weapons Databook Working Papers” by the Natural Resource Defence Council, Washington, DC. Separate databooks report on U.S., Soviet, Chinese and French nuclear tests.	-
NV209	CMR compiled data from United States nuclear tests, July 1945 through September 1992, DOE/NV-209 (Rev. 14), March 1997.	GT2 (2 events)
PDE	CMR compiled data from monthly bulletins reporting “Preliminary Determinations of Epicenters”, from the U.S. Geological Survey, National Earthquake Information Center, or from predecessor organizations in the U.S. National Oceanic and Atmospheric Administration or in the U.S. Coast and Geodetic Survey. For U.S. explosions in 1964 and later, origins attributed to PDE are, in most cases, based on data released by DOE or its predecessor agencies, AEC and ERDA.	-
RFAE	CMR compiled data from Mikhailov, V.N. et al., USSR nuclear weapons tests and peaceful nuclear explosions, 1949 through 1990, RFNC- VNIIEF, 1996.	-
RICHARDS	CMR compiled data from Richards, P., Accurate estimates of the absolute location of underground nuclear tests at the northern Novaya Zemlya Test Site, Proceedings of Second Workshop on IMS Location Calibration, 10-24 March 2000, Oslo, Norway.	GT1/GT2
SPRINGER	CMR compiled data from Springer, D.L. and R.L. Kinnaman, Seismic Source Summary for U.S. Underground Nuclear Explosions, 1961-1970, Bull. Seism. Soc. Am., 61, 1073-1098, 1971, and Seismic Source Summary for U.S. Underground Nuclear Explosions, 1971-1973, Bull. Seism. Soc. Am., 65, 343-349, 1975.	GT0
SULTANOV	CMR compiled data from Sultanov, D.D., J.R. Murphy, and Kh.D. Rubibstein, A seismic source summary for Soviet Peaceful Nuclear Explosions, Bull. Seism. Soc. Am., 89, 1999.	GT1/GT10/GT25
TCARTER	CMR compiled data from gleaned from newspaper accounts, books, magazines etc. by T.B. Carter.	-

GT*: GT categories. GTX refers to events with location accuracy better than X km (Yang et al., 2000b).

Worldwide nuclear explosions

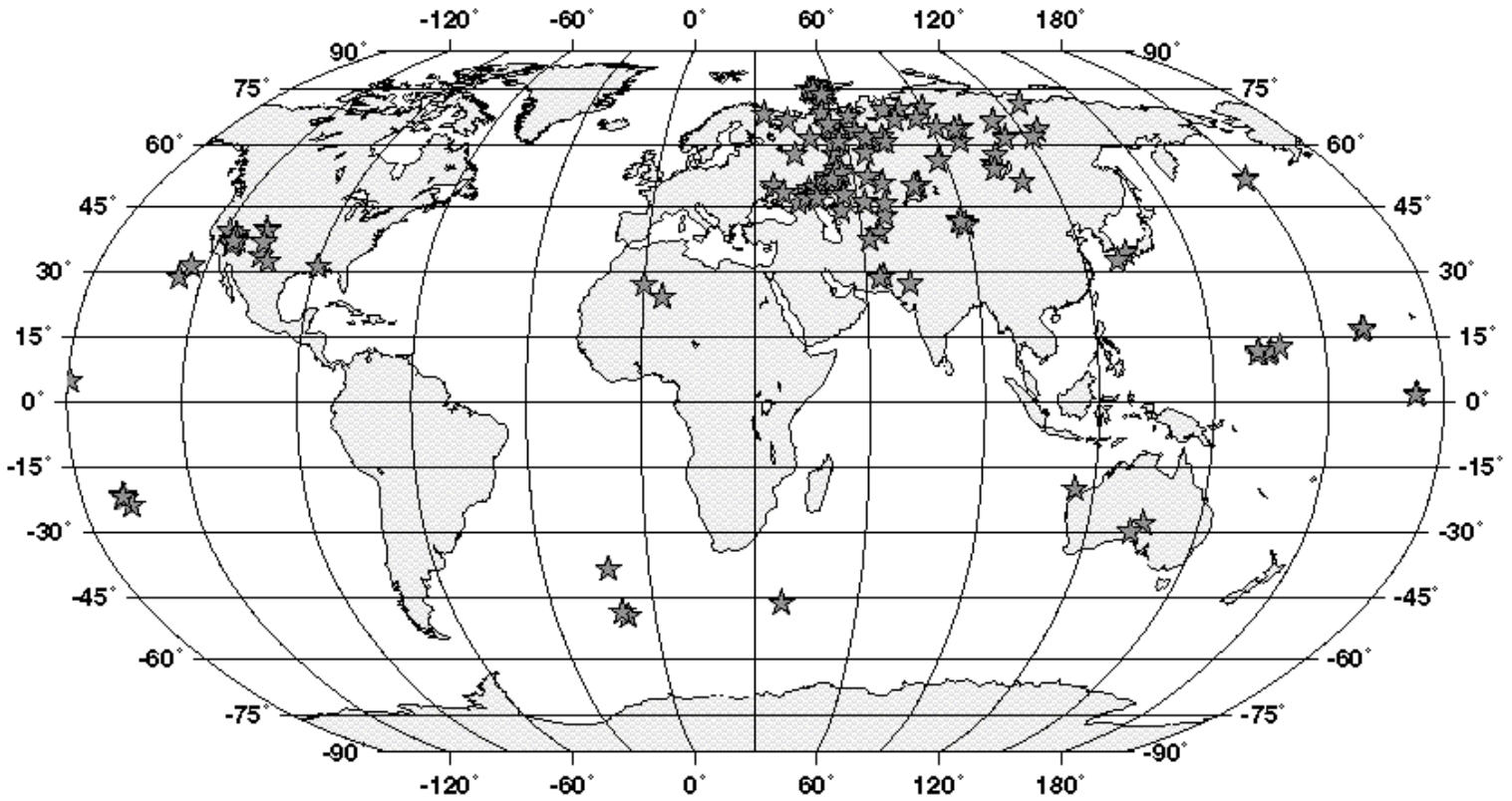


Figure 1. Locations for worldwide nuclear explosions in the CMR Nuclear Explosion Database.

Appendix: Event list of preferred origins

The preferred origins of all events in the CMR Nuclear Explosion Database are listed in this Appendix by country in an alphabetic order (Table 1), China, France, India, Pakistan, UK, USSR, US, and Unknown. The data format is time (GMT; month/day/year hour:minute:second), latitude (degree; north positive), longitude (degree; east positive), depth (km; downward positive), mb, yield (kt), maximum yield (kt), explosion code, event name, and preferred author.

The four-character explosion code used in this Appendix indicates the type and setting of the explosion: character 1 for type of explosion (N-nuclear); character 2 for air (A), water (W), or underground (U); character 3 for confirmed (C) or presumed (P); and character 4 for US (U), USSR (S), France (F), China (C), India (I), United Kingdom (G), or Pakistan (P). The five-character code is the same as the four-character code except that characters 4-5 indicate the joined countries: USA and UK. The ten-character code indicates multiple shots: e.g. NUCS_SALVO. The character '-' is used for unknown.

In conformity with treaties between the United States and the Soviet Union, a salvo is defined, for multiple explosions *for peaceful purposes*, as two or more separate explosions where a period of time between successive individual explosions does not exceed 5 seconds and where the burial points of all explosive devices can be connected by segments of straight lines, each of them connecting two burial points, and the total length does not exceed 40 kilometers. *For nuclear weapon tests*, a salvo is defined as two or more underground nuclear explosions conducted at a test site within an area delineated by a circle having a diameter of two kilometers and conducted within a total period of time of 0.1 second.

The event list combines information on magnitude and yield from several origins of each event. If there is no mb value for the preferred origin, the value listed is the maximum mb from all origins, whose mbs are obtained from networks with good azimuthal distributions (e.g. ISC, PDE). The yield information is taken from the official sources, NV209 for the US events, RFAE for the USSR events, CEA/DAM for the French events, and NV209 and BLACKNEST for the UK events. When there is no official source for an event, the yield and maximum yield are values from the preferred origin.

When both a yield and a maximum yield are listed, these values should be taken to mean a reported range in yield. For salvos, these values are sums of the values reported for each of the individual explosions.

China

date	time	latitude	longitude	depth	mb	yield	ymax	type	name	source
10/16/64	07:00:00.0	41.5000	88.5000	0.00		0	20	NAPC	-	BOLT
05/14/65	02:00:00.0	41.5000	88.5000	0.00		0	20	NAPC	-	BOLT
05/09/66	08:00:00.0	41.5000	88.5000	0.00		20	200	NAPC	-	BOLT
10/27/66	01:10:00.0	41.5000	88.5000	0.00				A	-	NRDC
12/28/66	04:00:00.0	41.5000	88.5000	0.00				A	-	NRDC
06/17/67	00:19:08.2	40.7440	89.7750		4.70	3300		NAPC	-	GUPTA-JED
12/24/67	04:00:00.0	41.5000	88.5000	0.00				A	-	NRDC
12/27/68	07:30:00.0	41.5000	88.5000	0.00				A	-	BOLT
09/22/69	16:14:59.2	41.3760	88.3180		5.20	19.2		NUPC	-	GUPTA-JED
09/29/69	08:40:12.4	40.7220	89.5150		4.37	3000		NAPC	-	GUPTA-JED
10/14/70	07:29:56.9	40.5200	89.7790		4.60	3400		NAPC	-	GUPTA-JED
11/18/71	06:00:00.0	41.5000	88.5000	0.00		20		NAPC	-	BOLT
01/07/72	07:00:00.0	41.5000	88.5000	0.00				A	-	NRDC
03/18/72	06:00:00.0	41.5000	88.5000	0.00				A	-	BOLT
06/27/73	03:59:46.3	40.7985	89.8091		4.80	3000		NAPC	-	GUPTA-JED
06/17/74	05:59:52.7	40.5180	89.6190		4.50	1000		NAPC	-	GUPTA-JED
10/27/75	00:59:58.2	41.3750	88.3260		5.00	2.5		NUPC	-	GUPTA-JED
01/23/76	06:00:00.0	41.5000	88.5000	0.00				A	-	NRDC
09/26/76	06:00:00.0	41.5000	88.5000	0.00				NAPC	-	NRDC
10/17/76	04:59:58.8	41.7080	88.3700		4.90	2.6		NUPC	-	GUPTA-JED
11/17/76	06:00:12.7	40.6960	89.6270		4.70	4000		NAPC	-	GUPTA-JED
09/17/77	07:00:00.0	41.5000	88.5000	0.00				A	-	NRDC
03/15/78	05:00:00.0	41.5000	88.5000	0.00				NACC	-	NRDC
10/14/78	00:59:58.0	41.5230	88.7220		4.90	3.4		NUPC	-	GUPTA-JED
12/14/78	00:00:00.0	41.5000	88.5000	0.00				A	-	NRDC
09/13/79	00:00:00.0	41.5000	88.5000	0.00				NUPC	-	NRDC
10/16/80	04:30:29.7	40.7190	89.6510		4.44	1000		NAPC	-	GUPTA-JED

10/05/82	00:00:00.0	41.5000	88.5000	0.00			NUPC	-	NRDC
05/04/83	04:59:57.8	41.6790	88.3680		4.50	1	NUPC	-	GUPTA-JED
10/06/83	10:00:00.0	41.5400	88.7200	0.00	5.47		NUPC	-	AWE-JED
10/03/84	06:00:00.0	41.5700	88.7300	0.00	5.20		NUPC	-	AWE-JED
12/19/84	05:59:58.3	41.7370	88.4250		4.70	1.3	NUPC	-	GUPTA-JED
06/05/87	04:59:58.3	41.5180	88.7130		6.30	250	NUPC	-	GUPTA-JED
09/29/88	06:59:58.0	41.7680	88.3800		4.70	2.5	NUPC	-	GUPTA-JED
05/26/90	07:59:57.9	41.5690	88.7010		5.50	11.5	NUPC	-	GUPTA-JED
08/16/90	04:59:57.7	41.5140	88.7390		6.20	189	NUPC	-	GUPTA-JED
05/21/92	04:59:57.5	41.5130	88.7740		6.50	650	NUPC	-	GUPTA-JED
09/25/92	07:59:58.5	41.7160	88.3360		5.00	8	NUPC	-	GUPTA-JED
10/05/93	01:59:56.6	41.6670	88.6950	0.00	5.90		NUPC	-	PDE
06/10/94	06:25:57.9	41.5300	88.7100	0.00	5.80		NUPC	-	PDE
10/07/94	03:25:58.1	41.6600	88.7500	0.00	6.00		NUPC	-	PDE
05/15/95	04:05:57.8	41.6000	88.8200	0.00	6.10		NUPC	-	PDE
08/17/95	00:59:57.7	41.5600	88.8000	0.00	6.00		NUPC	-	PDE
06/08/96	02:55:58.0	41.6600	88.6900	0.00	5.90		NUPC	-	PDE
07/29/96	01:48:57.8	41.8200	88.4200	0.00	4.90		NUPC	-	PDE

France

date	time	latitude	longitude	depth	mb	yield	ymax	type	name	source
02/13/60	07:04:00.0	27.0000	0.0000	0.00				A	gerb._bleue	BOLT
04/01/60	06:17:00.0	27.0000	0.0000	0.00				A	gerb._blanche	BOLT
12/27/60	07:30:00.0	27.0000	0.0000	0.00				A	gerb._rouge	BOLT
04/25/61	06:00:00.0	27.0000	0.0000	0.00				A	-	BOLT
11/07/61	11:29:59.9	24.0571	5.0521	0.00				U	agate	BOLT
05/01/62	10:00:00.5	24.0630	5.0418	0.00		20		U	beryl	BOLT
03/18/63	10:02:00.4	24.0413	5.0521	0.00	4.86	0	20	U	emeraude	BOLT
03/30/63	09:59:00.3	24.0433	5.0570	0.00		0	20	U	amethyste	BOLT
10/20/63	13:00:00.1	24.0355	5.0386	0.00	5.60	20		U	rubis	BOLT
02/14/64	11:00:00.3	24.0536	5.0523	0.00	4.52	0	20	U	opale	BOLT
06/15/64	13:40:00.4	24.0666	5.0345	0.00		0	20	U	topaze	BOLT
11/28/64	10:30:00.0	24.0418	5.0416	0.00		0	20	U	turquoise	BOLT
02/27/65	11:30:00.0	24.0587	5.0311	0.00	5.80	20		U	saphir	BOLT
05/30/65	11:00:00.0	24.0550	5.0508	0.00		0	20	U	jade	BOLT
10/01/65	10:00:00.0	24.0649	5.0340	0.00		0	20	U	corindon	BOLT
12/01/65	10:30:00.1	24.0437	5.0469	0.00	5.10	0	20	U	tourmaline	BOLT
02/16/66	11:00:00.0	24.0441	5.0412	0.00	4.94	0	20	U	grenat	BOLT
07/02/66	15:34:00.0	-22.0000	-139.0000	0.00			200	NACF	Aldebaron	CEA/DAM
07/19/66	15:05:00.0	-22.0000	-139.0000	0.00			200	NACF	Tamore	CEA/DAM
09/11/66	17:30:00.0	-22.0000	-139.0000	0.00			200	NACF	Betelguese	CEA/DAM
09/24/66	17:00:00.0	-22.0000	-139.0000	0.00			200	NACF	Rigel	CEA/DAM
10/04/66	21:00:00.0	-22.0000	-139.0000	0.00			1000	NACF	Sirus	CEA/DAM
06/05/67	19:00:00.0	-22.0000	-139.0000	0.00			20	NACF	Altair	CEA/DAM
06/27/67	18:30:00.0	-22.0000	-139.0000	0.00			200	NACF	Antares	CEA/DAM
07/02/67	17:30:00.0	-22.0000	-139.0000	0.00			200	NACF	Arcturus	CEA/DAM
07/07/68	22:00:00.0	-22.0000	-139.0000	0.00			200	NACF	Capella	CEA/DAM
07/15/68	19:00:00.0	-22.0000	-139.0000	0.00			1000	NACF	Castor	CEA/DAM

08/03/68	21:00:00.0	-22.0000	-139.0000	0.00			200	NACF	Pollux	CEA/DAM
08/24/68	18:30:00.5	-22.2280	-138.6440	0.00	4.95	1000		NACF	Canopus	AWE-JED
09/08/68	19:00:01.0	-21.8210	-138.9750	0.00	4.91	1000		NACF	Procyon	AWE-JED
05/15/70	18:00:00.0	-22.0000	-139.0000	0.00			20	NACF	Andromede	CEA/DAM
05/22/70	18:30:00.0	-22.0000	-139.0000	0.00			1000	NACF	Cassiopee	CEA/DAM
05/30/70	17:59:59.9	-22.3090	-138.6060	0.00	4.44		1000	NACF	Dragon	AWE-JED
06/24/70	18:30:00.0	-22.0000	-139.0000	0.00			20	NACF	Eridan	CEA/DAM
07/03/70	18:30:00.3	-21.9350	-138.9170	0.00	4.65		1000	NACF	Licorne	AWE-JED
07/27/70	19:00:00.0	-22.0000	-139.0000	0.00			20	NACF	Pegase	CEA/DAM
08/02/70	19:00:00.0	-22.0000	-139.0000	0.00			200	NACF	Orion	CEA/DAM
08/06/70	19:00:00.0	-22.0000	-139.0000	0.00			1000	NACF	Toucan	CEA/DAM
06/05/71	19:15:00.0	-22.0000	-139.0000	0.00			200	NACF	Dione	CEA/DAM
06/12/71	19:14:57.3	-23.8000	-137.2000	0.00			1000	NACF	Encelade	ISC
07/04/71	21:30:00.0	-22.0000	-139.0000	0.00			20	NACF	Japet	CEA/DAM
08/08/71	18:30:00.0	-22.0000	-139.0000	0.00			20	NACF	Phoebe	CEA/DAM
08/14/71	19:00:00.8	-21.8230	-138.9760	0.00	4.65		1000	NACF	Rhea	AWE-JED
06/25/72	19:00:00.0	-22.0000	-139.0000	0.00			20	NACF	Umbriel	CEA/DAM
06/30/72	18:30:00.0	-22.0000	-139.0000	0.00			20	NACF	Titania	CEA/DAM
07/27/72	18:40:00.0	-22.0000	-139.0000	0.00			20	NACF	Oberon	CEA/DAM
07/21/73	18:00:00.0	-22.0000	-139.0000	0.00			20	NACF	Euterpe	CEA/DAM
07/28/73	23:00:00.0	-22.0000	-139.0000	0.00			20	NACF	Melpomene	CEA/DAM
08/18/73	18:15:00.0	-22.0000	-139.0000	0.00			20	NACF	Pallas	CEA/DAM
08/24/73	18:00:00.0	-22.0000	-139.0000	0.00			20	NACF	Parthenope	CEA/DAM
08/28/73	18:30:00.0	-22.0000	-139.0000	0.00			20	NACF	Tamara	CEA/DAM
06/16/74	17:30:00.0	-22.0000	-139.0000	0.00			20	NACF	Capricorne	CEA/DAM
07/07/74	23:15:00.0	-22.0000	-139.0000	0.00			1000	NACF	Gemeaux	CEA/DAM
07/17/74	17:00:00.0	-22.0000	-139.0000	0.00			20	NACF	Centaure	CEA/DAM
07/25/74	17:30:00.0	-22.0000	-139.0000	0.00			20	NACF	Maquis	CEA/DAM
08/15/74	00:30:00.0	-22.0000	-139.0000	0.00			200	NACF	Scorpion	CEA/DAM

08/24/74	23:45:00.0	-22.0000	-139.0000	0.00		20	NACF	Taurue	CEA/DAM
09/14/74	23:30:00.0	-22.0000	-139.0000	0.00		1000	NACF	Verseau	CEA/DAM
06/05/75	18:15:00.0	-22.0000	-139.0000	0.00		5	NUCF	Achille	CEA/DAM
11/26/75	00:48:00.0	-22.0000	-139.0000	0.00		20	NUCF	Hector	CEA/DAM
04/03/76	17:07:00.0	-22.0000	-139.0000	0.00		5	NUCF	Patrocle	CEA/DAM
07/11/76	00:30:00.5	-21.8630	-138.7860	0.00	4.93	20	NUCF	Menelas	AWE-JED
10/30/76	22:59:59.0	-22.0000	-139.0000	0.00		5	NUCF	Ulysse_A	CEA/DAM
12/05/76	23:00:00.0	-22.0000	-139.0000	0.00		5	NUCF	Astanax	CEA/DAM
02/19/77	23:30:00.4	-21.8400	-138.8480	0.00	5.02	20	NUCF	Ulysse_B	AWE-JED
03/19/77	23:00:59.9	-21.8870	-138.9200	0.00	5.92	150	NUCF	Nestor	AWE-JED
04/02/77	23:30:00.0	-22.0000	-139.0000	0.00		5	NUCF	Oedipe	CEA/DAM
07/06/77	23:00:00.0	-21.7830	-138.9600	0.00	4.81	20	NUCF	Ajax	AWE-JED
11/12/77	01:30:00.0	-22.0000	-139.0000	0.00		5	NUCF	Oreste	CEA/DAM
11/24/77	16:59:59.9	-21.8840	-138.8860	0.00	5.86	150	NUCF	Enee	AWE-JED
12/17/77	22:00:00.0	-22.0000	-139.0000	0.00		5	NUCF	Laocoon	CEA/DAM
02/27/78	23:00:00.0	-22.0000	-139.0000	0.00		5	NUCF	Polypheme	CEA/DAM
03/22/78	17:30:00.5	-21.7050	-138.9340	0.00	4.73	5	NUCF	Pylade	AWE-JED
03/25/78	17:30:00.0	-22.0000	-139.0000	0.00		5	NUCF	Hecube	CEA/DAM
07/01/78	17:00:00.0	-22.0000	-139.0000	0.00		5	NUCF	Xanthois	CEA/DAM
07/19/78	18:00:00.0	-22.0000	-139.0000	0.00		20	NUCF	Ares	CEA/DAM
07/26/78	23:00:00.0	-22.0000	-139.0000	0.00		5	NUCF	Idomenee	CEA/DAM
11/02/78	18:00:00.0	-22.0000	-139.0000	0.00		5	NUCF	Schedios	CEA/DAM
11/30/78	17:32:00.0	-21.8680	-138.9500	0.00	5.86	150	NUCF	Priam	AWE-JED
12/17/78	18:04:00.0	-22.0000	-139.0000	0.00		5	NUCF	Eteocle	CEA/DAM
12/19/78	16:57:01.5	-21.7680	-138.9340	0.00	5.01	20	NUCF	Eumee	AWE-JED
03/01/79	17:24:00.0	-22.0000	-139.0000	0.00		20	NUCF	Penthesilee	CEA/DAM
03/09/79	16:37:00.0	-22.0000	-139.0000	0.00		20	NUCF	Philoctete	CEA/DAM
03/24/79	16:28:00.4	-21.8060	-138.9330	0.00	4.93	20	NUCF	Agapenor	AWE-JED
04/04/79	18:07:00.5	-21.8500	-138.7020	0.00	4.69	20	NUCF	Polydore	AWE-JED

06/18/79	23:27:00.7	-21.8100	-138.8090	0.00	4.71	20	NUCF	Pyrrhos	AWE-JED
06/29/79	18:56:00.2	-21.8180	-138.9030	0.00	5.21	150	NUCF	Egistiche	AWE-JED
07/25/79	17:57:00.0	-21.8800	-138.9400	0.00	6.11	150	NUCF	Tydee	AWE-JED
07/28/79	19:56:00.3	-21.8090	-138.8120	0.00	4.73	5	NUCF	Palamede	AWE-JED
11/19/79	17:53:00.0	-22.0000	-139.0000	0.00		5	NUCF	Chrysotemis	CEA/DAM
11/22/79	19:14:13.0	-22.0000	-139.0000	0.00		5	NUCF	Atree	CEA/DAM
02/23/80	18:03:00.0	-22.0000	-139.0000	0.00		5	NUCF	Thysets	CEA/DAM
03/03/80	17:56:00.0	-22.0000	-139.0000	0.00		5	NUCF	Adraste	CEA/DAM
03/23/80	19:37:00.0	-21.8610	-138.9390	0.00	5.63	150	NUCF	Thesee	AWE-JED
04/01/80	19:31:00.2	-21.8450	-138.7580	0.00	5.05	20	NUCF	Boros	AWE-JED
04/04/80	18:33:00.1	-21.9210	-138.7990	0.00	4.30	20	NUCF	Pelpos	AWE-JED
06/16/80	18:27:00.0	-21.8700	-138.8990	0.00	5.30	150	NUCF	Eurypyle	AWE-JED
06/21/80	17:01:00.0	-22.0000	-139.0000	0.00		20	NUCF	Ilus	CEA/DAM
07/06/80	17:27:00.5	-21.8490	-138.8480	0.00	4.54	20	NUCF	Chryses	AWE-JED
07/19/80	23:47:00.0	-21.8610	-138.9340	0.00	5.73	150	NUCF	Asios	AWE-JED
11/25/80	17:53:00.0	-22.0000	-139.0000	0.00		5	NUCF	Laerte	CEA/DAM
12/03/80	17:33:00.0	-21.8750	-138.9390	0.00	5.58	150	NUCF	Diomede	AWE-JED
02/27/81	23:28:00.0	-22.0000	-139.0000	0.00		5	NUCF	Broteas	CEA/DAM
03/06/81	17:27:00.0	-22.0000	-139.0000	0.00		5	NUCF	Tyro	CEA/DAM
03/28/81	17:23:00.6	-21.7900	-138.6780	0.00	4.75	20	NUCF	Iphicles	AWE-JED
04/10/81	17:57:00.5	-21.7950	-138.9460	0.00	4.76	20	NUCF	Clymene	AWE-JED
07/08/81	22:23:00.3	-21.7910	-139.0460	0.00	5.14	20	NUCF	Lyncee	AWE-JED
07/11/81	17:17:00.0	-22.0000	-139.0000	0.00		5	NUCF	Eryx	CEA/DAM
07/18/81	17:43:00.0	-22.0000	-139.0000	0.00		5	NUCF	Theras	CEA/DAM
08/03/81	18:33:00.0	-21.8240	-138.9030	0.00	5.09	150	NUCF	Agenor	AWE-JED
11/06/81	17:03:00.0	-22.0000	-139.0000	0.00		5	NUCF	Leto	CEA/DAM
11/11/81	17:07:00.2	-21.8560	-138.9540	0.00	4.71	20	NUCF	Procles	AWE-JED
12/05/81	16:58:01.1	-21.6850	-138.9330	0.00	4.68	20	NUCF	Cilix	AWE-JED
12/08/81	16:47:00.2	-21.7970	-138.9270	0.00	5.14	20	NUCF	Cadmos	AWE-JED

02/20/82	17:33:00.0	-22.0000	-139.0000	0.00		5	NUCF	Aerope	CEA/DAM
02/24/82	18:15:00.0	-22.0000	-139.0000	0.00		5	NUCF	Deiphobe	CEA/DAM
03/20/82	17:03:00.2	-21.8460	-138.8680	0.00	4.96	20	NUCF	Rhesos	AWE-JED
03/23/82	17:07:00.0	-22.0000	-139.0000	0.00		5	NUCF	Evevos	CEA/DAM
06/27/82	17:00:00.0	-22.0000	-139.0000	0.00		5	NUCF	Laodice	CEA/DAM
07/01/82	17:02:00.2	-21.7690	-138.9460	0.00	5.08	150	NUCF	Antilokos	AWE-JED
07/21/82	17:13:00.0	-22.0000	-139.0000	0.00		5	NUCF	Pitane	CEA/DAM
07/25/82	18:02:00.0	-21.8360	-138.8960	0.00	5.60	150	NUCF	laios	AWE-JED
11/27/82	17:02:00.0	-22.0000	-139.0000	0.00		5	NUCF	Procris	CEA/DAM
04/19/83	18:53:00.2	-21.8190	-138.8720	0.00	5.70	150	NUCF	Eurytos	AWE-JED
04/25/83	17:32:59.0	-22.0000	-139.0000	0.00		5	NUCF	Automedon	CEA/DAM
05/25/83	17:31:00.1	-21.8610	-138.9170	0.00	5.87	150	NUCF	Cinyras	AWE-JED
06/18/83	17:31:00.0	-22.0000	-139.0000	0.00		5	NUCF	Burisis	CEA/DAM
06/28/83	17:46:00.2	-21.7670	-138.8710	0.00	5.32	20	NUCF	Oxylos	AWE-JED
07/20/83	20:30:00.0	-22.0000	-139.0000	0.00		20	NUCF	Battos	CEA/DAM
08/04/83	17:14:00.2	-21.8350	-138.8290	0.00	5.13	150	NUCF	Carnabon	AWE-JED
12/03/83	16:58:00.0	-22.0000	-139.0000	0.00		5	NUCF	Linos	CEA/DAM
12/07/83	17:28:00.3	-21.8290	-138.9280	0.00	4.89	20	NUCF	Gyges	AWE-JED
05/08/84	17:26:00.0	-22.0000	-139.0000	0.00		5	NUCF	Demophon	CEA/DAM
05/12/84	17:31:00.0	-21.8630	-138.9010	0.00	5.57	150	NUCF	Midas	AWE-JED
06/12/84	17:16:00.0	-22.0000	-139.0000	0.00		20	NUCF	Aristee	CEA/DAM
06/16/84	17:44:00.0	-21.8490	-138.8800	0.00	5.28	150	NUCF	Echemos	AWE-JED
10/27/84	17:16:00.4	-22.0640	-138.4770	0.00	4.49	20	NUCF	Machaon	AWE-JED
11/02/84	20:45:00.1	-21.8570	-138.9200	0.00	5.64	150	NUCF	Acaste	AWE-JED
12/01/84	16:51:00.0	-22.0000	-139.0000	0.00		5	NUCF	Miletos	CEA/DAM
12/06/84	17:29:00.2	-21.8370	-138.8900	0.00	5.56	150	NUCF	Memnon	AWE-JED
04/30/85	17:29:00.6	-21.8290	-138.9520	0.00	4.51	20	NUCF	Cercyon	AWE-JED
05/08/85	20:28:00.2	-21.8310	-138.9810	0.00	5.64	150	NUCF	Nisos	AWE-JED
06/03/85	17:30:00.6	-21.8160	-138.8970	0.00	4.83	20	NUCF	Talaos	AWE-JED

06/07/85	17:40:00.0	-22.0000	-139.0000	0.00		20	NUCF	Erginos	CEA/DAM
10/24/85	17:50:00.0	-22.0000	-139.0000	0.00		5	NUCF	Hero	CEA/DAM
10/26/85	16:35:00.2	-21.8490	-138.8150	0.00	5.30	150	NUCF	Codros	AWE-JED
11/24/85	16:01:00.7	-21.8020	-138.7810	0.00	4.55	20	NUCF	Zetes	AWE-JED
11/26/85	17:42:00.1	-21.8560	-138.8990	0.00	5.76	150	NUCF	Megaree	AWE-JED
04/26/86	17:02:00.7	-21.7250	-138.9410	0.00	4.45	20	NUCF	Hyllos	AWE-JED
05/06/86	16:58:00.0	-22.0000	-139.0000	0.00		5	NUCF	Ceto	CEA/DAM
05/27/86	17:15:00.0	-22.0000	-139.0000	0.00		20	NUCF	Sthenelos	CEA/DAM
05/30/86	17:25:00.1	-21.8620	-138.9490	0.00	5.58	150	NUCF	Galatee	AWE-JED
11/10/86	16:58:00.0	-22.0000	-139.0000	0.00		5	NUCF	hesione	CEA/DAM
11/12/86	17:02:00.3	-21.8430	-138.9270	0.00	5.28	20	NUCF	Naupolis	AWE-JED
12/06/86	17:10:00.0	-22.0000	-139.0000	0.00		5	NUCF	Peneleos	CEA/DAM
12/10/86	17:15:00.2	-21.8330	-138.8920	0.00	5.23	150	NUCF	Circe	AWE-JED
05/05/87	16:58:01.3	-21.7050	-138.5810	0.00	4.55	20	NUCF	Jocaste	AWE-JED
05/20/87	17:05:00.1	-21.8500	-138.9130	0.00	5.51	150	NUCF	Lycomede	AWE-JED
06/06/87	18:00:00.7	-21.7690	-138.8740	0.00	4.40	20	NUCF	Dirce	AWE-JED
06/21/87	17:55:00.1	-21.8650	-138.8910	0.00	5.10	150	NUCF	Iphpitos	AWE-JED
10/23/87	16:50:00.3	-21.8450	-138.9070	0.00	5.54	150	NUCF	Helenos	AWE-JED
11/05/87	17:30:00.4	-21.7910	-138.8740	0.00	5.36	20	NUCF	Pasiphae	AWE-JED
11/19/87	16:31:00.2	-21.8450	-138.9410	0.00	5.74	150	NUCF	Pelee	AWE-JED
11/29/87	17:59:00.0	-22.0000	-139.0000	0.00		20	NUCF	Danae	CEA/DAM
05/11/88	17:00:00.3	-21.8330	-138.9450	0.00	5.27	150	NUCF	Nelee	AWE-JED
05/25/88	17:01:00.1	-21.8450	-138.9610	0.00	5.50	150	NUCF	Niobe	AWE-JED
06/16/88	17:15:00.0	-21.7500	-139.0000	0.00	4.80	5	NUCF	Antigone	TCARTER
06/23/88	17:31:00.3	-21.8460	-138.9110	0.00	5.18	20	NUCF	Dejanire	AWE-JED
10/25/88	17:00:00.0	-22.0000	-139.0000	0.00		5	NUCF	Acrisios	CEA/DAM
11/05/88	16:30:00.4	-21.7930	-138.9870	0.00	5.30	150	NUCF	Thrasymedes	AWE-JED
11/23/88	17:01:00.3	-21.8350	-138.9540	0.00	5.29	150	NUCF	Pheres	AWE-JED
11/30/88	17:55:00.0	-22.2330	-138.7400	0.00	5.58	150	NUCF	Cycnos	AWE-JED

05/11/89	16:45:00.5	-21.8120	-138.8840	0.00	5.16	20	NUCF	Epeios	AWE-JED
05/20/89	17:59:00.0	-22.0000	-139.0000	0.00		5	NUCF	Tecmessa	CEA/DAM
06/03/89	17:30:00.2	-21.8420	-138.9220	0.00	5.16	150	NUCF	Nyctee	AWE-JED
06/10/89	17:30:00.1	-22.2170	-138.7210	0.00	5.52	150	NUCF	Cyzicos	AWE-JED
10/24/89	16:30:00.2	-21.8520	-138.9120	0.00	5.37	150	NUCF	Hypsipyle	AWE-JED
10/31/89	16:57:00.3	-21.7930	-138.8550	0.00	5.30	20	NUCF	Erigone	AWE-JED
11/20/89	17:29:00.3	-21.7930	-138.8840	0.00	5.19	20	NUCF	Tros	AWE-JED
11/27/89	17:00:00.0	-22.2510	-138.7220	0.00	5.59	150	NUCF	Lycos	AWE-JED
06/02/90	17:29:58.5	-21.8770	-138.9180	0.00	5.30	20	NUCF	Telephe	PDE
06/07/90	17:30:00.0	-22.0000	-139.0000	0.00	4.65	20	NUCF	Megapentes	DSIR
06/26/90	17:59:58.2	-22.2150	-138.8410	0.00	5.50	150	NUCF	Cypselos	PDE
07/04/90	17:59:58.6	-21.8500	-139.0420	0.00	5.10	20	NUCF	Anticlee	PDE
11/14/90	18:11:58.0	-22.2580	-138.8050	0.00	5.50	150	NUCF	Hyracos	PDE
11/21/90	16:59:58.1	-21.9360	-138.9670	0.00	5.40	150	NUCF	Thoas	PDE
05/07/91	17:00:00.0	-22.0000	-139.0000	0.00		5	NUCF	MELanippe	IMS
05/18/91	17:14:58.5	-21.8320	-139.0140	0.00	5.10	150	NUCF	Alcinos	PDE
05/29/91	18:59:58.2	-22.2560	-138.7940	0.00	5.50	150	NUCF	Periclymentos	PDE
06/14/91	17:59:57.8	-21.9440	-138.9880	0.00	5.20	150	NUCF	Pithee	PDE
07/05/91	18:00:00.0	-22.0000	-139.0000	0.00	3.80	5	NUCF	Coronis	DSIR
07/15/91	18:09:58.3	-21.8770	-138.9630	0.00	5.30	150	NUCF	Lycurgue	PDE
09/05/95	21:29:58.4	-21.8500	-138.8400	0.00	4.80		NUPF	-	PDE
10/01/95	23:29:58.0	-22.2500	-138.7400	0.00	5.40		NUPF	-	PDE
10/27/95	21:59:58.2	-21.8900	-138.9800	0.00	5.40		NUPF	-	PDE
11/21/95	21:29:58.1	-21.8800	-139.0300	0.00	4.80		NUPF	-	PDE
12/27/95	21:29:58.0	-21.8800	-138.9700	0.00	5.10		NUPF	-	PDE
01/27/96	21:29:57.8	-22.2400	-138.8200	0.00	5.30		NUPF	-	PDE

India

date	time	latitude	longitude	depth	mb	yield	ymin	ymax	type	name	source
05/18/74	02:34:55.0	27.0950	71.7520	0.11	5.00	12			NUCI	-	GUPTA+PABIAN
05/11/98	10:13:44.2	27.0780	71.7190	0.00	5.20				NUCI_SALVO	Shakti-1	BARKER
05/13/98	00:00:00.0			0.00		.6			NUCI_SALVO	Shakti-4	MEDIA

Pakistan

date	time	latitude	longitude	depth	mb	yield	ymax	type	name	source
05/28/98	10:16:17.6	28.8300	64.9500	0.00	4.87			NUCP_SALVO	-	BARKER
05/30/98	06:54:54.9	28.4900	63.7300	0.00	4.60			NUCP	-	PDE

UK

date	time	latitude	longitude	depth	mb	yield	ymax	type	name	source
10/03/52	00:00:00.0	-20.0000	115.0000	0.00		25		NACG	Hurricane	BOLT
10/14/53	22:30:00.0	-28.0000	135.0000	0.00		10		NACG	Totem 1	BOLT
10/26/53	22:30:00.0	-28.0000	135.0000	0.00		8		NACG	Totem 2	BOLT
05/16/56	00:00:00.0	-20.0000	115.0000	0.00		15		NACG	Mosaic G1	BOLT
06/19/56	00:00:00.0	-20.0000	115.0000	0.00		60		NACG	Mosaic G2	BOLT
09/27/56	00:00:00.0	-30.0000	132.0000	0.00		15		NACG	Buffalo	BOLT
10/04/56	00:00:00.0	-30.0000	132.0000	0.00		1.5		NACG	Buffalo	BOLT
10/11/56	00:00:00.0	-30.0000	132.0000	0.00		3		NACG	Buffalo	BOLT
10/22/56	00:00:00.0	-30.0000	132.0000	0.00		10		NACG	Buffalo	BOLT
05/15/57	19:37:00.0	1.6700	-157.2500	0.00				A	grapple	BOLT
05/31/57	19:41:00.0	1.6700	-157.2500	0.00				A	grapple	BOLT
06/19/57	19:40:00.0	1.6700	-157.2500	0.00				A	grapple	BOLT
09/14/57	05:30:00.0	-30.0000	132.0000	0.00		1		NACG	Antler	BOLT
09/25/57	00:30:00.0	-30.0000	132.0000	0.00		6		NACG	Antler	BOLT
10/09/57	07:30:00.0	-30.0000	132.0000	0.00		25		NACG	Antler	BOLT
11/08/57	17:47:00.0	1.6700	-157.2500	0.00		1800		NACG	grapple	BOLT
04/28/58	19:05:00.0	1.6700	-157.2500	0.00		3000		NACG	grapple	BOLT
08/22/58	18:00:00.0	1.6700	-157.2500	0.00		24		NACG	grapple	BOLT
09/02/58	17:24:00.0	1.6700	-157.2500	0.00		1000		NACG	grapple	BOLT
09/11/58	17:48:00.0	1.6700	-157.2500	0.00		800		NACG	grapple	BOLT
09/23/58	17:58:00.0	1.6700	-157.2500	0.00		25		NACG	grapple	BOLT
03/01/62	19:10:00.1	37.0413	-116.0287	0.36		9.5		NUCUG	Pampas	SPRINGER
12/07/62	19:00:00.1	37.0518	-116.0293	0.30			20	NUCUG	Tendrac	SPRINGER
07/17/64	17:18:30.0	37.0176	-116.0296	0.27			20	NUCUG	Cormorant	SPRINGER
09/25/64	00:00:00.0	37.0000	-116.0000	0.00		0	0	NUCUG	Courser	NV209
09/10/65	17:12:00.0	37.0780	-116.0167	0.46	5.16	20	200	NUCUG	Charcoal	SPRINGER
05/23/74	13:38:30.2	37.1245	-116.0789	0.47	4.80	20	200	NUCUG	Fallon	ERDA

08/26/76	14:30:00.2	37.1250	-116.0820	0.54	5.30	20	150	NUCUG	Banon	ERDA
04/11/78	17:45:00.1	37.2335	-116.3685	0.67	5.50	20	150	NUCUG	Fondutta	DOE
11/18/78	19:00:00.2	37.1269	-116.0839	0.54	5.10	20	150	NUCUG	Quargel	DOE
08/29/79	15:08:00.2	37.1212	-116.0666	0.46	4.80	20	150	NUCUG	Nessel	DOE
04/26/80	17:00:00.1	37.2484	-116.4224	0.63	5.50	20	150	NUCUG	Colwick	DOE
10/24/80	19:15:00.1	37.0746	-115.9993	0.43	4.70		20	NUCUG	Dutchess	DOE
12/17/80	15:10:00.1	37.3248	-116.3117	0.57	5.10	20	150	NUCUG	Serpa	DOE
11/12/81	15:00:00.1	37.1082	-116.0490	0.52	5.40	20	150	NUCUG	Rousanne	DOE
04/25/82	18:05:00.1	37.2558	-116.4224	0.57	5.40	20	150	NUCUG	Gibne	DOE
04/22/83	13:53:00.1	37.1115	-116.0224	0.00	4.00		20	NUCUG	Armada	DOE
05/01/84	19:05:00.1	37.1062	-116.0224	0.00	5.40	20	150	NUCUG	Mundo	DOE
12/09/84	19:40:00.1	37.2701	-116.4976	0.00	5.50	20	150	NUCUG	Egmont	DOE
12/05/85	15:00:00.1	37.0533	-116.0454	0.00	5.70	20	150	NUCUG	Kinibito	DOE
06/25/86	00:00:00.0	37.2646	-116.4993	0.00	5.60	20	150	NUCUG	Darwin	DOE
07/16/87	19:00:00.1	37.1036	-116.0234	0.00	4.90	20	150	NUCUG	Midland	DOE
12/08/89	15:00:00.1	37.2311	-116.4094	0.00	5.50	20	150	NUCUG	Barnwell	DOE
11/14/90	19:17:00.7	37.2274	-116.3712	0.00	5.40	20	150	NUCUG	Houston	DOE
11/26/91	18:35:00.1	37.0965	-116.0696	0.00	4.60		20	NUCUG	Bristol	DOE

USSR

date	time	latitude	longitude	depth	mb	yield	ymax	type	name	source
08/29/49	00:00:00.0	50.0000	78.0000	0.00		22		NACS	joe1	RFAE
09/24/51	00:00:00.0	50.0000	78.0000	0.00		38		NACS	joe2	RFAE
10/18/51	00:00:00.0	50.0000	78.0000	0.00		42		NACS	joe3	RFAE
08/12/53	00:00:00.0	50.0000	78.0000	0.00		400		NACS	joe4_1st_therm	RFAE
08/23/53	00:00:00.0	50.0000	78.0000	0.00		28		NACS	-	RFAE
09/03/53	00:00:00.0	50.0000	78.0000	0.00		5.8		NACS	-	RFAE
09/08/53	00:00:00.0	50.0000	78.0000	0.00		1.6		NACS	-	RFAE
09/10/53	00:00:00.0	50.0000	78.0000	0.00		4.9		NACS	-	RFAE
09/14/54	00:00:00.0	64.0000	55.0000	0.00		40		NACS	-	RFAE
09/29/54	00:00:00.0	50.0000	78.0000	0.00		.2		NACS	-	RFAE
10/01/54	00:00:00.0	50.0000	78.0000	0.00		.03		NACS	-	RFAE
10/03/54	00:00:00.0	50.0000	78.0000	0.00		2		NACS	-	RFAE
10/05/54	00:00:00.0	50.0000	78.0000	0.00		4		NACS	-	RFAE
10/08/54	00:00:00.0	50.0000	78.0000	0.00		.8		NACS	-	RFAE
10/19/54	00:00:00.0	50.0000	78.0000	0.00		0	.001	NACS	-	RFAE
10/23/54	00:00:00.0	50.0000	78.0000	0.00		62		NACS	-	RFAE
10/26/54	00:00:00.0	50.0000	78.0000	0.00		2.8		NACS	-	RFAE
10/30/54	00:00:00.0	50.0000	78.0000	0.00		10		NACS	-	RFAE
07/29/55	00:00:00.0	50.0000	78.0000	0.00		1.3		NACS	-	RFAE
08/02/55	00:00:00.0	50.0000	78.0000	0.00		12		NACS	-	RFAE
08/05/55	00:00:00.0	50.0000	78.0000	0.00		1.2		NACS	-	RFAE
09/21/55	00:00:00.0	70.7000	54.5600	0.01		3.5		NWCS	-	KHRISTOFOROV
11/06/55	00:00:00.0	50.0000	78.0000	0.00		250		NACS	-	RFAE
11/22/55	00:00:00.0	50.0000	78.0000	0.00		1600		NACS	-	RFAE
02/02/56	00:00:00.0	46.0000	62.0000	0.00		.3		NACS	-	RFAE
03/16/56	00:00:00.0	50.0000	78.0000	0.00		14		NACS	-	RFAE
03/25/56	00:00:00.0	50.0000	78.0000	0.00		5.5		NACS	-	RFAE

08/24/56	00:00:00.0	50.0000	78.0000	0.00	27	NACS	-	RFAE
08/30/56	00:00:00.0	50.0000	78.0000	0.00	900	NACS	-	RFAE
09/02/56	00:00:00.0	50.0000	78.0000	0.00	51	NACS	-	RFAE
09/10/56	00:00:00.0	50.0000	78.0000	0.00	38	NACS	-	RFAE
11/17/56	00:00:00.0	50.0000	78.0000	0.00	900	NACS	-	RFAE
12/14/56	00:00:00.0	50.0000	78.0000	0.00	40	NACS	-	RFAE
01/19/57	00:00:00.0	49.0000	46.0000	0.00	10	NACS	-	RFAE
03/08/57	00:00:00.0	50.0000	78.0000	0.00	19	NACS	-	RFAE
04/03/57	00:00:00.0	50.0000	78.0000	0.00	42	NACS	-	RFAE
04/06/57	00:00:00.0	50.0000	78.0000	0.00	57	NACS	-	RFAE
04/10/57	00:00:00.0	50.0000	78.0000	0.00	680	NACS	-	RFAE
04/12/57	00:00:00.0	50.0000	78.0000	0.00	22	NACS	-	RFAE
04/16/57	00:00:00.0	50.0000	78.0000	0.00	320	NACS	-	RFAE
08/22/57	00:00:00.0	50.0000	78.0000	0.00	520	NACS	-	RFAE
08/26/57	00:00:00.0	50.0000	78.0000	0.00	.1	NACS	-	RFAE
09/07/57	08:00:01.0	70.6900	54.8000	0.00	32	NACS	-	KHRISTOFOROV
09/13/57	00:00:00.0	50.0000	78.0000	0.00	5.9	NACS	-	RFAE
09/24/57	00:00:00.0	73.0000	55.0000	0.00	1600	NACS	-	RFAE
09/26/57	00:00:00.0	50.0000	78.0000	0.00	13	NACS	-	RFAE
10/06/57	00:00:00.0	73.0000	55.0000	0.00	2900	NACS	-	RFAE
10/10/57	00:00:00.0	70.7000	54.5600	0.03	10	NWCS	-	KHRISTOFOROV
12/28/57	00:00:00.0	50.0000	78.0000	0.00	12	NACS	-	RFAE
01/04/58	00:00:00.0	50.0000	78.0000	0.00	1.3	NACS	-	RFAE
01/17/58	00:00:00.0	50.0000	78.0000	0.00	.5	NACS	-	RFAE
02/23/58	00:00:00.0	73.0000	55.0000	0.00	860	NACS	-	RFAE
02/27/58	00:00:00.0	73.0000	55.0000	0.00	250	NACS	-	RFAE
02/27/58	00:00:00.0	73.0000	55.0000	0.00	1500	NACS	-	RFAE
03/13/58	00:00:00.0	50.0000	78.0000	0.00	1.2	NACS	-	RFAE
03/14/58	00:00:00.0	50.0000	78.0000	0.00	35	NACS	-	RFAE

03/14/58	00:00:00.0	73.0000	55.0000	0.00	40		NACS	-	RFAE
03/15/58	00:00:00.0	50.0000	78.0000	0.00	14		NACS	-	RFAE
03/18/58	00:00:00.0	50.0000	78.0000	0.00	.16		NACS	-	RFAE
03/20/58	00:00:00.0	50.0000	78.0000	0.00	12		NACS	-	RFAE
03/21/58	00:00:00.0	73.0000	55.0000	0.00	650		NACS	-	RFAE
03/22/58	00:00:00.0	50.0000	78.0000	0.00	18		NACS	-	RFAE
09/30/58	00:00:00.0	73.0000	55.0000	0.00	900		NACS	-	RFAE
09/30/58	00:00:00.0	73.0000	55.0000	0.00	1200		NACS	-	RFAE
10/02/58	00:00:00.0	73.0000	55.0000	0.00	40		NACS	-	RFAE
10/02/58	00:00:00.0	73.0000	55.0000	0.00	290		NACS	-	RFAE
10/04/58	00:00:00.0	73.0000	55.0000	0.00	9		NACS	-	RFAE
10/05/58	00:00:00.0	73.0000	55.0000	0.00	15		NACS	-	RFAE
10/06/58	00:00:00.0	73.0000	55.0000	0.00	5.5		NACS	-	RFAE
10/10/58	00:00:00.0	73.0000	55.0000	0.00	68		NACS	-	RFAE
10/12/58	00:00:00.0	73.0000	55.0000	0.00	1450		NACS	-	RFAE
10/15/58	00:00:00.0	73.0000	55.0000	0.00	1500		NACS	-	RFAE
10/18/58	00:00:00.0	73.0000	55.0000	0.00	2900		NACS	-	RFAE
10/19/58	00:00:00.0	73.0000	55.0000	0.00	0	.001	NACS	-	RFAE
10/19/58	00:00:00.0	73.0000	55.0000	0.00	40		NACS	-	RFAE
10/20/58	00:00:00.0	73.0000	55.0000	0.00	440		NACS	-	RFAE
10/21/58	00:00:00.0	73.0000	55.0000	0.00	2		NACS	-	RFAE
10/22/58	00:00:00.0	73.0000	55.0000	0.00	2800		NACS	-	RFAE
10/24/58	00:00:00.0	73.0000	55.0000	0.00	1000		NACS	-	RFAE
10/25/58	00:00:00.0	73.0000	55.0000	0.00	0	.1	NACS	-	RFAE
10/25/58	00:00:00.0	73.0000	55.0000	0.00	190		NACS	-	RFAE
11/01/58	00:00:00.0	49.0000	46.0000	0.00	10		NACS	-	RFAE
11/03/58	00:00:00.0	49.0000	46.0000	0.00	10		NACS	-	RFAE
09/01/61	00:00:00.0	50.0000	78.0000	0.00	16		NACS	-	RFAE
09/04/61	00:00:00.0	50.0000	78.0000	0.00	9		NACS	-	RFAE

09/05/61	00:00:00.0	50.0000	78.0000	0.00	16		NACS	-	RFAE
09/06/61	00:00:00.0	50.0000	78.0000	0.00	1.1		NACS	-	RFAE
09/06/61	00:00:00.0	49.0000	46.0000	0.00	11		NACS	-	RFAE
09/09/61	00:00:00.0	50.0000	78.0000	0.00	.38		NACS	-	RFAE
09/10/61	00:00:00.0	73.0000	55.0000	0.00	12		NACS	-	RFAE
09/10/61	00:00:00.0	50.0000	78.0000	0.00	.88		NACS	-	RFAE
09/10/61	09:00:09.2	74.2000	52.5000	0.00	2700		NACS	-	PDE
09/11/61	00:00:00.0	50.0000	78.0000	0.00	.3		NACS	-	RFAE
09/12/61	10:08:15.3	74.2000	52.1000	0.00	1150		NACS	-	PDE
09/13/61	00:00:00.0	50.0000	78.0000	0.00	.001	20	NACS	-	RFAE
09/13/61	00:00:00.0	70.8700	53.3300	0.00	6		NACS	-	KHRISTOFOROV
09/14/61	00:00:00.0	50.0000	78.0000	0.00	.4		NACS	-	RFAE
09/14/61	09:56:16.7	74.6000	51.1000	0.00	1200		NACS	-	PDE
09/16/61	09:08:13.7	74.0000	51.9000	0.00	830		NACS	-	PDE
09/17/61	00:00:00.0	50.0000	78.0000	0.00	20	150	NACS	-	RFAE
09/18/61	00:00:00.0	50.0000	78.0000	0.00	.004		NACS	-	RFAE
09/18/61	00:00:00.0	50.0000	78.0000	0.00	.75		NACS	-	RFAE
09/18/61	07:59:36.8	74.0000	52.0000	0.00	1000		NACS	-	PDE
09/19/61	00:00:00.0	50.0000	78.0000	0.00	.03		NACS	-	RFAE
09/20/61	00:00:00.0	50.0000	78.0000	0.00	4.8		NACS	-	RFAE
09/20/61	00:00:00.0	73.0000	55.0000	0.00	150	1500	NACS	-	RFAE
09/21/61	00:00:00.0	50.0000	78.0000	0.00	.8		NACS	-	RFAE
09/22/61	00:00:00.0	73.0000	55.0000	0.00	260		NACS	-	RFAE
09/26/61	00:00:00.0	50.0000	78.0000	0.00	1.2		NACS	-	RFAE
10/01/61	00:00:00.0	50.0000	78.0000	0.00	3		NACS	-	RFAE
10/02/61	00:00:00.0	73.0000	55.0000	0.00	250		NACS	-	RFAE
10/04/61	00:00:00.0	50.0000	78.0000	0.00	13		NACS	-	RFAE
10/04/61	07:30:54.8	73.7000	53.8000	0.00	1500	10000	NACS	-	PDE
10/06/61	00:00:00.0	49.0000	46.0000	0.00	40		NACS	-	RFAE

10/06/61	07:00:12.2	74.3000	51.6000	0.00	4000		NACS	-	PDE
10/08/61	00:00:00.0	73.0000	55.0000	0.00	15		NACS	-	RFAE
10/11/61	07:39:59.9	49.7727	77.9950	0.00	1		NUCS	-	BOCHAROV
10/12/61	00:00:00.0	50.0000	78.0000	0.00	15		NACS	-	RFAE
10/17/61	00:00:00.0	50.0000	78.0000	0.00	6.6		NACS	-	RFAE
10/19/61	00:00:00.0	50.0000	78.0000	0.00	.001	20	NACS	-	RFAE
10/20/61	08:07:02.0	73.8000	53.2000	0.00	1450		NACS	-	PDE
10/23/61	08:31:22.1	73.9000	53.8000	0.00	4.8		NWCS	-	PDE
10/23/61	10:30:48.0	70.7000	54.5600	0.05	12500		NACS	-	KHRISTOFOROV
10/25/61	00:00:00.0	73.0000	55.0000	0.00	300		NACS	-	RFAE
10/25/61	00:00:00.0	50.0000	78.0000	0.00	.5		NACS	-	RFAE
10/27/61	00:00:00.0	49.0000	46.0000	0.00	1.2		NACS	-	RFAE
10/27/61	00:00:00.0	49.0000	46.0000	0.00	1.2		NACS	-	RFAE
10/27/61	08:30:26.0	70.7000	54.6700	0.00	16		NWCS	-	KHRISTOFOROV
10/30/61	00:00:00.0	50.0000	78.0000	0.00	.09		NACS	-	RFAE
10/30/61	08:33:27.8	73.8000	53.5000	0.00	50000		NACS	-	PDE
10/31/61	00:00:00.0	73.0000	55.0000	0.00	150	1500	NACS	-	RFAE
10/31/61	08:29:17.2	73.6000	56.2000	0.00	5000		NACS	-	PDE
11/01/61	00:00:00.0	50.0000	78.0000	0.00	2.7		NACS	-	RFAE
11/02/61	00:00:00.0	73.0000	55.0000	0.00	120		NACS	-	RFAE
11/02/61	00:00:00.0	73.0000	55.0000	0.00	280		NACS	-	RFAE
11/02/61	00:00:00.0	50.0000	78.0000	0.00	.6		NACS	-	RFAE
11/03/61	00:00:00.0	50.0000	78.0000	0.00	0	.001	NACS	-	RFAE
11/03/61	00:00:00.0	50.0000	78.0000	0.00	.9		NACS	-	RFAE
11/04/61	00:00:00.0	73.0000	55.0000	0.00	15		NACS	-	RFAE
11/04/61	00:00:00.0	73.0000	55.0000	0.00	6		NACS	-	RFAE
11/04/61	00:00:00.0	50.0000	78.0000	0.00	.2		NACS	-	RFAE
11/04/61	07:20:19.7	73.7000	55.7000	0.00	150	1500	NACS	-	PDE
02/02/62	08:00:00.2	49.7775	78.0016	0.00	.001	20	NUCS	-	BOCHAROV

08/01/62	00:00:00.0	50.0000	78.0000	0.00	2.4		NACS	-	RFAE
08/03/62	00:00:00.0	50.0000	78.0000	0.00	1.6		NACS	-	RFAE
08/04/62	00:00:00.0	50.0000	78.0000	0.00	38		NACS	-	RFAE
08/05/62	09:08:45.8	74.2000	52.5000	0.00	21100		NACS	-	PDE
08/07/62	00:00:00.0	50.0000	78.0000	0.00	9.9		NACS	-	RFAE
08/10/62	00:00:00.0	73.0000	55.0000	0.00	150	1500	NACS	-	RFAE
08/18/62	00:00:00.0	50.0000	78.0000	0.00	7.4		NACS	-	RFAE
08/18/62	00:00:00.0	50.0000	78.0000	0.00	5.8		NACS	-	RFAE
08/20/62	09:02:14.1	74.3000	51.5000	0.00	2800		NACS	-	PDE
08/21/62	00:00:00.0	50.0000	78.0000	0.00	20	150	NACS	-	RFAE
08/22/62	00:00:00.0	73.0000	55.0000	0.00	6		NWCS	-	RFAE
08/22/62	00:00:00.0	50.0000	78.0000	0.00	3		NACS	-	RFAE
08/22/62	09:00:00.0	71.0000	53.5000	0.00	1600		NACS	-	KHRISTOFOROV
08/23/62	00:00:00.0	50.0000	78.0000	0.00	2.5		NACS	-	RFAE
08/25/62	00:00:00.0	50.0000	78.0000	0.00	.001	20	NACS	-	RFAE
08/25/62	00:00:00.0	73.0000	55.0000	0.00	1500	10000	NACS	-	RFAE
08/27/62	00:00:00.0	50.0000	78.0000	0.00	11		NACS	-	RFAE
08/27/62	09:00:50.9	74.7000	50.3000	0.00	4200		NACS	-	PDE
08/31/62	00:00:00.0	50.0000	78.0000	0.00	2.7		NACS	-	RFAE
09/02/62	00:00:00.0	73.0000	55.0000	0.00	80		NACS	-	RFAE
09/08/62	10:17:57.7	73.7000	53.8000	0.00	1900		NACS	-	PDE
09/15/62	08:02:13.9	74.4000	51.5000	0.00	3100		NACS	-	PDE
09/16/62	10:59:10.5	74.2000	51.6000	0.00	3250		NACS	-	PDE
09/18/62	08:29:02.7	73.2000	54.7000	0.00	1350		NACS	-	PDE
09/19/62	11:00:56.4	73.8000	53.8000	0.00	1500	10000	NACS	-	PDE
09/21/62	00:00:00.0	73.0000	55.0000	0.00	2400		NACS	-	RFAE
09/22/62	00:00:00.0	50.0000	78.0000	0.00	.21		NACS	-	RFAE
09/24/62	00:00:00.0	50.0000	78.0000	0.00	1.2		NACS	-	RFAE
09/25/62	00:00:00.0	50.0000	78.0000	0.00	7		NACS	-	RFAE

09/25/62	13:02:31.7	73.7000	55.0000	0.00	19100		NACS	-	PDE
09/27/62	08:03:16.4	74.3000	52.4000	0.00	10000		NACS	-	PDE
09/28/62	00:00:00.0	50.0000	78.0000	0.00	1.3		NACS	-	RFAE
10/07/62	00:00:00.0	73.0000	55.0000	0.00	320		NACS	-	RFAE
10/09/62	00:00:00.0	50.0000	78.0000	0.00	8		NACS	-	RFAE
10/09/62	00:00:00.0	73.0000	55.0000	0.00	15		NACS	-	RFAE
10/10/62	00:00:00.0	50.0000	78.0000	0.00	9.2		NACS	-	RFAE
10/13/62	00:00:00.0	50.0000	78.0000	0.00	4.9		NACS	-	RFAE
10/14/62	00:00:00.0	50.0000	78.0000	0.00	.001	20	NACS	-	RFAE
10/20/62	00:00:00.0	50.0000	78.0000	0.00	6.7		NACS	-	RFAE
10/22/62	00:00:00.0	49.0000	46.0000	0.00	300		NACS	-	RFAE
10/22/62	09:06:10.1	73.4000	54.9000	0.00	8200		NACS	-	PDE
10/27/62	00:00:00.0	73.0000	55.0000	0.00	260		NACS	-	RFAE
10/28/62	00:00:00.0	50.0000	78.0000	0.00	7.8		NACS	-	RFAE
10/28/62	00:00:00.0	49.0000	46.0000	0.00	300		NACS	-	RFAE
10/28/62	00:00:00.0	50.0000	78.0000	0.00	7.8		NACS	-	RFAE
10/29/62	00:00:00.0	73.0000	55.0000	0.00	360		NACS	-	RFAE
10/30/62	00:00:00.0	50.0000	78.0000	0.00	1.2		NACS	-	RFAE
10/30/62	00:00:00.0	73.0000	55.0000	0.00	280		NACS	-	RFAE
10/31/62	00:00:00.0	50.0000	78.0000	0.00	10		NACS	-	RFAE
11/01/62	00:00:00.0	73.0000	55.0000	0.00	240		NACS	-	RFAE
11/01/62	00:00:00.0	49.0000	46.0000	0.00	300		NACS	-	RFAE
11/01/62	00:00:00.0	50.0000	78.0000	0.00	3		NACS	-	RFAE
11/03/62	00:00:00.0	50.0000	78.0000	0.00	4.7		NACS	-	RFAE
11/03/62	00:00:00.0	73.0000	55.0000	0.00	390		NACS	-	RFAE
11/03/62	00:00:00.0	73.0000	55.0000	0.00	45		NACS	-	RFAE
11/04/62	00:00:00.0	50.0000	78.0000	0.00	8.4		NACS	-	RFAE
11/05/62	00:00:00.0	50.0000	78.0000	0.00	.4		NACS	-	RFAE
11/11/62	00:00:00.0	50.0000	78.0000	0.00	.1		NACS	-	RFAE

11/13/62	00:00:00.0	50.0000	78.0000	0.00	0	.001	NACS	-	RFAE	
11/14/62	00:00:00.0	50.0000	78.0000	0.00	12		NACS	-	RFAE	
11/17/62	00:00:00.0	50.0000	78.0000	0.00	18		NACS	-	RFAE	
11/24/62	00:00:00.0	50.0000	78.0000	0.00	0	.001	NACS	-	RFAE	
11/26/62	00:00:00.0	50.0000	78.0000	0.00	.031		NACS	-	RFAE	
12/01/62	00:00:00.0	50.0000	78.0000	0.00	2.4		NACS	-	RFAE	
12/18/62	00:00:00.0	73.0000	55.0000	0.00	110		NACS	-	RFAE	
12/18/62	00:00:00.0	73.0000	55.0000	0.00	69		NACS	-	RFAE	
12/20/62	00:00:00.0	73.0000	55.0000	0.00	8.3		NACS	-	RFAE	
12/22/62	00:00:00.0	73.0000	55.0000	0.00	6.3		NACS	-	RFAE	
12/23/62	00:00:00.0	73.0000	55.0000	0.00	8.3		NACS	-	RFAE	
12/23/62	00:00:00.0	73.0000	55.0000	0.00	2.4		NACS	-	RFAE	
12/23/62	00:00:00.0	50.0000	78.0000	0.00	0	.001	NACS	-	RFAE	
12/23/62	00:00:00.0	73.0000	55.0000	0.00	430		NACS	-	RFAE	
12/24/62	00:00:00.0	50.0000	78.0000	0.00	.007		NACS	-	RFAE	
12/24/62	00:00:00.0	50.0000	78.0000	0.00	.028		NACS	-	RFAE	
12/24/62	10:44:21.9	74.2000	52.3000	0.00	1100		NACS	-	PDE	
12/24/62	11:11:42.0	73.6000	57.5000	0.00	24200		NACS	-	PDE	
12/25/62	00:00:00.0	73.0000	55.0000	0.00	8.5		NACS	-	RFAE	
12/25/62	13:35:57.2	73.4000	56.5000	0.00	3100		NACS	-	PDE	
03/15/64	08:00:00.4	49.8160	78.0752	0.00	5.60	20	150	NUCS	-	BOCHAROV
05/16/64	06:00:59.8	49.8077	78.1020	0.00	5.60	20	150	NUCS	-	BOCHAROV
06/06/64	00:00:00.0	49.7747	77.9881	0.00	.001	20		NUCS	-	KRR
07/19/64	06:00:00.6	49.8091	78.0929	0.00	5.50	20	150	NUCS	-	BOCHAROV
08/18/64	06:00:00.0	49.8206	78.0819	0.00	.001	20		NUCS	-	KRR
09/18/64	08:00:00.4	73.6670	54.5330	0.00	4.19	.001	20	NUCS	-	AWE-JED
09/30/64	00:00:00.0	50.0000	78.0000	0.00	.001	20		NUCS	-	RFAE
10/25/64	07:59:58.1	73.3870	54.9850	0.00	5.10	.001	20	NUCS	-	RICHARDS
11/16/64	06:00:00.2	49.8087	78.1334	0.00	6.00	20	150	NUCS	-	BOCHAROV

01/15/65	06:00:00.8	49.9350	79.0094	0.00	6.30	140		NUCS	PNE:Chagan 1004	BOCHAROV
02/04/65	06:00:00.0	49.7731	77.9914	0.00		.001	20	NUCS	-	KRR
03/03/65	06:14:59.4	49.8247	78.0527	0.00	5.60	.001	20	NUCS	-	BOCHAROV
03/27/65	06:30:00.0	49.7747	77.9881	0.00		.001	20	NUCS	-	KRR
03/30/65	08:00:00.0	52.9000	56.5000	1.38		4.6		NUCS_SALVO	PNE:Butane 1-1	SULTANOV
05/11/65	06:40:00.2	49.7702	77.9943	0.00	5.20	.001	20	NUCS	-	BOCHAROV
06/10/65	07:00:00.0	52.9000	56.5000	1.35		7.6		NUCS	PNE:Butane 1-2	SULTANOV
06/17/65	03:45:00.0	49.8284	78.0669	0.00	5.40	.001	20	NUCS	-	BOCHAROV
07/29/65	03:05:00.2	49.7797	77.9981	0.00	4.50	.001	20	NUCS	-	BOCHAROV
09/17/65	04:00:00.1	49.8116	78.1467	0.00	5.60	.001	20	NUCS	-	BOCHAROV
10/08/65	06:00:00.4	49.8259	78.1114	0.00	5.70	.001	20	NUCS	-	BOCHAROV
10/14/65	04:00:00.2	49.9906	77.6357	0.00		1.1		NUCS	PNE:Sary-Uzen 1003	BOCHAROV
11/21/65	04:58:00.0	49.8192	78.0636	0.00	5.80	29		NUCS	-	BOCHAROV
12/24/65	05:00:00.2	49.8045	78.1067	0.00	5.20	.001	20	NUCS	-	BOCHAROV
02/13/66	04:58:00.1	49.8089	78.1210	0.00	6.20	125		NUCS	-	BOCHAROV
03/20/66	05:50:00.3	49.7616	78.0239	0.00	6.20	100		NUCS	-	BOCHAROV
04/21/66	03:58:00.1	49.8097	78.1000	0.00	5.40	.001	20	NUCS	-	BOCHAROV
04/22/66	02:58:00.3	47.8290	47.9350	0.16	4.70	1.1		NUCS	PNE:Azgir A-1	SULTANOV
05/07/66	03:58:00.2	49.7429	78.1050	0.00	4.80	4		NUCS	-	BOCHAROV
06/29/66	06:58:00.5	49.8344	78.0734	0.00	5.60	20	150	NUCS	-	BOCHAROV
07/21/66	03:58:00.0	49.7367	78.0970	0.00	5.40	20	150	NUCS	-	BOCHAROV
08/05/66	03:57:59.6	49.7643	78.0424	0.00	5.50	.001	20	NUCS	-	BOCHAROV
08/19/66	03:52:59.9	49.8271	78.1088	0.00	5.10	.001	20	NUCS	-	BOCHAROV
09/07/66	03:51:59.7	49.8288	78.0638	0.00	4.80	.001	20	NUCS	-	BOCHAROV
09/30/66	05:59:51.0	38.9680	64.5170	1.53	5.10	30		NUCS	PNE:Urtabulak	SULTANOV
10/19/66	03:57:59.9	49.7471	78.0205	0.00	5.70	20	150	NUCS	-	BOCHAROV
10/27/66	00:00:00.0	73.0000	55.0000	0.00		150	1500	NUCS	-	RFAE
10/27/66	05:57:58.1	73.3870	54.8360	0.00	6.49	150	1500	NUCS	-	RICHARDS
10/29/66	03:58:00.0	49.7847	77.9994	0.00		.001	20	NUCS	-	KRR

11/19/66	03:58:00.0	49.8297	78.0575	0.00		.001	20	NUCS	-	KRR
12/03/66	05:02:00.2	49.7469	78.0334	0.00	4.80	.002	40	NUCS_SALVO	-	BOCHAROV
12/18/66	04:58:00.0	49.9246	77.7472	0.00	5.90	20	150	NUCS	-	BOCHAROV
01/30/67	04:01:59.5	49.7674	77.9914	0.00	4.80	.002	40	NUCS_SALVO	-	BOCHAROV
02/26/67	03:57:59.8	49.7457	78.0823	0.00	6.00	20	150	NUCS	-	BOCHAROV
03/25/67	05:58:01.1	49.7536	78.0630	0.00	5.30	.002	40	NUCS_SALVO	-	BOCHAROV
04/20/67	04:08:00.0	49.7416	78.1054	0.00	5.70	20	150	NUCS	-	BOCHAROV
05/28/67	04:07:59.6	49.7564	78.0169	0.00	5.50	.002	40	NUCS_SALVO	-	BOCHAROV
06/29/67	02:56:59.9	49.8167	78.0490	0.00	5.30	.001	20	NUCS	-	BOCHAROV
07/15/67	03:26:59.9	49.8359	78.1182	0.00	5.40	.001	20	NUCS	-	BOCHAROV
08/04/67	06:58:00.3	49.7603	78.0555	0.00	5.30	.002	40	NUCS_SALVO	-	BOCHAROV
09/02/67	04:04:00.0	49.7419	78.0256	0.00		.001	20	NUCS	-	KRR
09/16/67	04:04:00.3	49.9372	77.7281	0.00	5.30	.001	20	NUCS	-	BOCHAROV
09/22/67	05:03:59.0	49.9596	77.6911	0.00	5.30	10		NUCS	-	BOCHAROV
10/06/67	06:59:57.5	57.7000	65.2000	0.17	4.70	.3		NUCS	PNE:Tawda	SULTANOV
10/17/67	05:04:00.2	49.7809	78.0038	0.00	5.70	.002	40	NUCS_SALVO	-	BOCHAROV
10/21/67	04:59:58.5	73.3900	54.8100	0.00	5.98	170	1650	NUCS_SALVO	-	RICHARDS
10/30/67	06:04:00.0	49.7944	78.0079	0.00	5.50	.001	20	NUCS	-	BOCHAROV
11/22/67	04:03:59.9	49.9419	77.6868	0.00	4.80	.001	20	NUCS	-	BOCHAROV
12/08/67	06:03:59.8	49.8171	78.1638	0.00	5.40	.001	20	NUCS	-	BOCHAROV
01/07/68	03:46:59.9	49.7544	78.0309	0.00	5.30	.001	20	NUCS	-	BOCHAROV
04/24/68	10:35:59.7	49.8452	78.1032	0.00	5.00	.001	20	NUCS	-	BOCHAROV
05/21/68	03:59:12.0	38.9180	65.0320	2.44	5.40	47		NUCS	PNE:Pamuk	SULTANOV
05/23/68	00:00:00.0	50.0000	78.0000	0.00		0	.001	NUCS	-	RFAE
06/11/68	03:05:59.7	49.7930	78.1451	0.00	5.30	.001	20	NUCS	-	BOCHAROV
06/19/68	05:05:59.8	49.9803	78.9855	0.00	5.50	.001	20	NUCS	-	BOCHAROV
07/01/68	04:02:00.5	47.9090	47.9120	0.60	5.50	27		NUCS	PNE:Azgir A-2-1	SULTANOV
07/12/68	12:08:00.0	49.7547	78.0899	0.00	5.40	.002	40	NUCS_SALVO	-	BOCHAROV
08/20/68	04:05:59.6	49.8226	78.0745	0.00	4.80	.001	20	NUCS_SALVO	-	BOCHAROV

09/05/68	04:05:59.6	49.7416	78.0756	0.00	5.50	.001	20	NUCS	-	BOCHAROV
09/29/68	03:43:00.0	49.8120	78.1219	0.00	5.80	60		NUCS	-	BOCHAROV
10/21/68	03:52:02.0	49.7279	78.4863	0.00		.24		NUCS	PNE:Telkem 1	BOCHAROV
10/29/68	03:54:00.0	49.8333	78.0928	0.00		.001	20	NUCS	-	KRR
11/07/68	10:02:05.5	73.3870	54.8580	0.00	6.13	300	3000	NUCS_SALVO	-	RICHARDS
11/09/68	02:54:00.1	49.8005	78.1391	0.00	4.90	.001	20	NUCS	-	BOCHAROV
11/12/68	07:30:00.0	49.7124	78.4613	0.00		.72		NUCS_SALVO	PNE:Telkem 2	BOCHAROV
12/18/68	05:01:59.7	49.7459	78.0920	0.00	5.20	.001	20	NUCS	-	BOCHAROV
03/07/69	08:26:59.8	49.8215	78.0627	0.00	5.60	20	150	NUCS	-	BOCHAROV
04/04/69	04:57:00.0	49.7533	78.0536	0.00		.001	20	NUCS	-	KRR
04/13/69	04:04:00.0	49.7356	78.1047	0.00		.001	20	NUCS	-	KRR
05/16/69	04:02:59.7	49.7594	78.0758	0.00	5.30	.001	20	NUCS	-	BOCHAROV
05/31/69	05:01:59.4	49.9503	77.6942	0.00	5.40	.001	20	NUCS	-	BOCHAROV
07/04/69	02:46:59.6	49.7460	78.1113	0.00	5.30	.002	40	NUCS_SALVO	-	BOCHAROV
07/23/69	02:47:00.2	49.8156	78.1296	0.00	5.50	16		NUCS	-	BOCHAROV
09/02/69	04:59:58.6	57.2200	55.3930	1.21	4.80	7.6		NUCS	PNE:Grifon-1	SULTANOV
09/08/69	04:59:58.7	57.2200	55.4170	1.21	4.80	7.6		NUCS	PNE:Grifon-2	SULTANOV
09/11/69	04:02:00.0	49.7763	77.9967	0.00	5.00	.002	40	NUCS_SALVO	-	BOCHAROV
09/26/69	06:59:58.1	45.8480	42.6000	0.71	5.60	10		NUCS	PNE:Stavropol	SULTANOV
10/01/69	04:02:59.9	49.7825	78.0983	0.00	5.30	.002	40	NUCS_SALVO	-	BOCHAROV
10/14/69	07:00:06.6	73.3900	54.7870	0.00	6.30	320	3150	NUCS_SALVO	-	RICHARDS
10/30/69	00:00:00.0	50.0000	78.0000	0.00		.001	20	NUCS	-	RFAE
11/27/69	05:02:00.0	49.8367	78.0597	0.00		.001	20	NUCS	-	KRR
11/30/69	03:32:59.7	49.9243	78.9558	0.00	6.00	125		NUCS	-	BOCHAROV
12/06/69	07:02:59.9	43.8670	54.8000	0.41	5.80	30		NUCS	PNE:Mangyshlak-1	SULTANOV
12/28/69	03:47:00.2	49.9373	77.7142	0.00	5.70	40		NUCS	-	BOCHAROV
12/29/69	04:02:00.0	49.7337	78.1023	0.00	5.10	.001	20	NUCS	-	BOCHAROV
01/29/70	07:03:00.0	49.7956	78.1239	0.00	5.60	.003	60	NUCS_SALVO	-	BOCHAROV
02/18/70	00:00:00.0	50.0000	78.0000	0.00		0	.001	NUCS	-	RFAE

03/27/70	05:02:59.6	49.7478	77.9990	0.00	5.20	.001	20	NUCS	-	BOCHAROV
05/27/70	04:03:00.0	49.7313	78.0986	0.00		.001	20	NUCS	-	BOCHAROV
06/25/70	04:59:55.5	52.2000	55.7000	0.70	4.90	2.3		NUCS	PNE:Magistral	SULTANOV
06/28/70	00:00:00.0	50.0000	78.0000	0.00		.002	40	NUCS_SALVO	-	RFAE
06/28/70	01:58:00.0	49.8015	78.1068	0.00	5.90	20	150	NUCS	-	BOCHAROV
07/21/70	03:02:59.7	49.9524	77.6729	0.00	5.40	.001	20	NUCS	-	BOCHAROV
07/24/70	03:57:00.0	49.8097	78.1284	0.00	5.30	.001	20	NUCS	-	BOCHAROV
09/06/70	00:00:00.0	50.0000	78.0000	0.00		.001	20	NUCS	-	RFAE
09/06/70	04:02:59.9	49.7598	78.0054	0.00	5.60	.001	20	NUCS	-	BOCHAROV
10/14/70	05:59:57.6	73.3040	55.0270	0.00	6.79	450	4500	NUCS_SALVO	-	RICHARDS
11/04/70	06:02:59.8	49.9892	77.7624	0.00	5.40	.001	20	NUCS	-	BOCHAROV
12/12/70	07:00:59.8	43.8500	54.8000	0.50	6.00	80		NUCS	PNE:Mangyshlak-2	SULTANOV
12/17/70	07:01:00.0	49.7456	78.0992	0.00	5.50	20	150	NUCS	-	BOCHAROV
12/23/70	07:00:59.8	44.0250	54.9330	0.47	6.00	75		NUCS	PNE:Mangyshlak-3	SULTANOV
01/29/71	05:03:00.0	49.8053	78.1686	0.00		.001	20	NUCS	-	KRR
03/22/71	00:00:00.0	50.0000	78.0000	0.00		.001	20	NUCS	-	RFAE
03/22/71	04:33:00.3	49.7985	78.1090	0.00	5.80	20	150	NUCS	-	BOCHAROV
03/23/71	06:59:58.4	61.4000	56.2000	0.13	5.50	45		NUCS_SALVO	PNE:Taiga	SULTANOV
04/09/71	02:33:00.0	49.8322	78.0386	0.00		.23		NUCS	PNE	KRR
04/25/71	03:32:59.9	49.7685	78.0339	0.00	5.90	90		NUCS	-	BOCHAROV
05/25/71	04:03:00.4	49.8016	78.1388	0.00	5.20	.001	20	NUCS	-	BOCHAROV
06/06/71	04:02:59.7	49.9754	77.6603	0.00	5.50	16		NUCS	-	BOCHAROV
06/19/71	04:04:00.1	49.9690	77.6408	0.00	5.50	.001	20	NUCS	-	BOCHAROV
06/30/71	03:56:59.8	49.9460	78.9805	0.00	5.40	.001	20	NUCS	-	BOCHAROV
07/02/71	17:00:01.1	67.2830	63.4670	0.54	4.70	2.3		NUCS	PNE:Globe-4	SULTANOV
07/10/71	17:00:01.4	64.1670	55.2670	0.47	5.20	2.3		NUCS	PNE:Globe-3	SULTANOV
09/19/71	11:00:01.1	57.5080	42.6430	0.61	4.50	2.3		NUCS	PNE:Globe-1	SULTANOV
09/27/71	05:59:55.8	73.3930	54.9200	0.00	6.67	600	6000	NUCS_SALVO	-	RICHARDS
10/04/71	10:00:00.1	61.3580	48.0920	0.60	4.60	2.3		NUCS	PNE:Globe-2	SULTANOV

10/09/71	06:02:59.7	49.9779	77.6414	0.00	5.40	12		NUCS	-	BOCHAROV
10/21/71	06:02:59.7	49.9738	77.5973	0.00	5.60	23		NUCS	-	BOCHAROV
10/22/71	05:00:01.0	51.6000	54.4500	1.14	5.20	15		NUCS	PNE:Sapphire-1	SULTANOV
11/29/71	06:02:59.9	49.7434	78.0785	0.00	5.50	.002	40	NUCS_SALVO	-	BOCHAROV
12/15/71	07:53:59.8	49.8264	77.9973	0.00	4.90	.001	20	NUCS	-	BOCHAROV
12/22/71	06:59:59.0	47.8970	48.1330	0.99	6.00	64		NUCS	PNE:Azgir A-3-1	SULTANOV
12/30/71	00:00:00.0	50.0000	78.0000	0.00		20	150	NUCS	-	RFAE
12/30/71	06:21:00.2	49.7600	78.0371	0.00	5.80	.001	20	NUCS	-	BOCHAROV
02/10/72	05:03:00.0	50.0243	78.8781	0.00	5.50	16		NUCS	-	BOCHAROV
03/10/72	04:56:59.8	49.7453	78.1197	0.00	5.50	.002	40	NUCS_SALVO	-	BOCHAROV
03/28/72	04:22:00.1	49.7331	78.0757	0.00	5.20	.002	40	NUCS_SALVO	-	BOCHAROV
04/11/72	06:00:01.9	37.3500	62.0500	1.72	4.90	15		NUCS	PNE:Crater	SULTANOV
04/20/72	00:00:00.0	50.0000	78.0000	0.00		0	.001	NUCS	-	RFAE
06/07/72	00:00:00.0	50.0000	78.0000	0.00		.001	20	NUCS	-	RFAE
06/07/72	01:28:00.0	49.8268	78.1155	0.00	5.50	.001	20	NUCS	-	BOCHAROV
07/06/72	01:03:00.0	49.7375	78.1101	0.00	4.40	.001	20	NUCS	-	BOCHAROV
07/09/72	07:00:01.3	49.8000	35.4000	2.48	4.80	3.8		NUCS	PNE:Fakel	SULTANOV
07/27/72	00:00:00.0	73.0000	55.0000	0.00		.001	20	NUCS	-	RFAE
08/16/72	03:16:59.8	49.7655	78.0588	0.00	5.20	8		NUCS	-	BOCHAROV
08/20/72	03:00:00.0	49.4000	48.1420	0.49	5.70	6.6		NUCS	PNE:Region-3	SULTANOV
08/26/72	03:46:59.7	49.9820	77.7166	0.00	5.50	.001	20	NUCS	-	BOCHAROV
08/28/72	05:59:56.9	73.3880	54.8470	0.00	6.49	470	4650	NUCS_SALVO	-	RICHARDS
09/02/72	08:56:59.9	49.9594	77.6409	0.00	5.10	2		NUCS	-	BOCHAROV
09/04/72	07:00:00.0	67.7500	33.1000	0.13	4.60	2.1		NUCS	PNE:Dnepr-1	SULTANOV
09/21/72	09:00:00.3	52.1180	52.0680	0.49	5.00	2.3		NUCS	PNE:Region-1	SULTANOV
10/03/72	09:00:00.2	46.8530	44.9380	0.49	5.60	6.6		NUCS	PNE:Region-4	SULTANOV
11/02/72	01:27:00.2	49.9270	78.8173	0.00	6.20	165		NUCS	-	BOCHAROV
11/24/72	09:00:00.0	51.9900	51.8670	0.68	4.50	2.3		NUCS	PNE:Region-2	SULTANOV
11/24/72	10:00:00.2	51.8420	64.2100	0.42	5.20	6.6		NUCS	PNE:Region-5	SULTANOV

12/10/72	04:27:00.0	49.8194	78.0582	0.00	5.70	20	170	NUCS_SALVO	-	BOCHAROV
12/10/72	04:27:10.0	50.0270	78.9956	0.00	6.00	140		NUCS	-	BOCHAROV
12/28/72	04:27:00.0	49.7392	78.1063	0.00		.001	20	NUCS	-	BOCHAROV
02/16/73	05:03:00.0	49.8160	78.1160	0.00	5.60	20	150	NUCS	-	AWE-JED
04/19/73	04:32:59.9	49.9840	77.6140	0.00	5.40	.001	20	NUCS	-	AWE-JED
07/10/73	01:27:00.2	49.7920	78.0420	0.00	5.40	.002	40	NUCS_SALVO	-	AWE-JED
07/23/73	01:23:00.1	49.9660	78.8100	0.00	6.30	150	1500	NUCS	-	AWE-JED
08/15/73	02:00:00.0	42.7750	67.4080	0.60	5.30	6.3		NUCS	PNE:Meridian-3	SULTANOV
08/28/73	03:00:00.0	50.5270	68.3230	0.40	5.20	6.3		NUCS	PNE:Meridian-1	SULTANOV
09/12/73	06:59:54.8	73.3140	55.0560	0.00	6.97	1950	14500	NUCS_SALVO	-	RICHARDS
09/19/73	03:00:00.2	45.7580	67.8250	0.62	5.10	6.3		NUCS	PNE:Meridian-2	SULTANOV
09/20/73	00:00:00.0	50.0000	78.0000	0.00		0	.001	NUCS	-	RFAE
09/27/73	07:00:01.1	70.7310	53.8360	0.00	5.89	20	150	NUCS	-	AWE-JED
09/30/73	05:00:00.4	51.6500	54.5500	1.15	5.20	10		NUCS	PNE:Sapphire-2	SULTANOV
10/26/73	04:27:00.1	49.7530	78.1220	0.00	5.30	.001	20	NUCS	-	AWE-JED
10/26/73	05:59:59.5	53.6500	55.4000	2.03	4.80	10		NUCS	PNE:Kama-2	SULTANOV
10/27/73	07:00:00.6	70.7800	54.0350	0.00	6.98	1500	10000	NUCS	-	AWE-JED
11/04/73	03:57:00.0	50.0716	78.9362	0.00		.001	20	NUCS	-	KRR
12/14/73	07:46:59.7	50.0540	78.9870	0.00	6.00	20	150	NUCS	-	AWE-JED
12/31/73	04:03:00.0	49.7394	78.0863	0.00		.001	20	NUCS	-	KRR
01/30/74	04:57:04.6	49.8450	78.0510	0.00	5.40	.003	60	NUCS_SALVO	-	AWE-JED
02/28/74	00:00:00.0	50.0000	78.0000	0.00		0	.001	NUCS	-	RFAE
04/16/74	05:52:59.8	50.0390	78.9460	0.00	4.90	.001	20	NUCS	-	AWE-JED
05/16/74	03:03:00.1	49.7450	78.0530	0.00	5.30	.001	20	NUCS	-	AWE-JED
05/31/74	03:27:00.0	49.9530	78.8460	0.00	5.90	20	150	NUCS	-	AWE-JED
06/25/74	03:57:00.2	49.8440	78.1110	0.00	4.70	.001	20	NUCS	-	AWE-JED
07/08/74	06:00:00.0	53.7000	55.1000	2.12	4.60	10		NUCS	PNE:Kama-1	SULTANOV
07/10/74	02:57:00.0	49.7720	78.0880	0.00	5.30	.001	20	NUCS	-	AWE-JED
07/29/74	03:28:00.0	49.9375	78.9358	0.00		.001	20	NUCS	-	KRR

08/14/74	15:00:00.2	68.9030	75.8230	0.53	5.40	7.6		NUCS	PNE:Horizon-2	SULTANOV
08/29/74	09:59:56.2	73.3970	54.9050	0.00	6.58	470	4670	NUCS_SALVO	-	RICHARDS
08/29/74	15:00:00.4	67.0850	62.6250	0.58	5.00	7.6		NUCS	PNE:Horizon-1	SULTANOV
09/13/74	03:03:00.0	49.7750	78.0360	0.00	5.20	.001	20	NUCS	-	AWE-JED
10/02/74	01:00:01.1	66.1000	112.6500	0.10	4.60	1.7		NUCS	PNE:Crystal	SULTANOV
10/16/74	06:33:00.1	49.9850	78.8960	0.00	5.50	.001	20	NUCS	-	AWE-JED
11/02/74	05:00:00.0	70.8100	53.9100	0.00	6.81	1500	10000	NUCS	-	AWE-JED
11/28/74	05:57:00.0	50.0000	78.0000	0.00		.001	20	NUCS	-	KRR
12/07/74	05:59:59.0	49.9000	77.6500	0.08	4.70	1.7		NUCS	PNE:Lazurite	SULTANOV
12/16/74	06:23:00.1	49.7870	78.0920	0.00	5.00	.001	20	NUCS	-	AWE-JED
12/16/74	06:41:00.3	49.8580	78.0530	0.00	4.80	3.8		NUCS	PNE	AWE-JED
12/27/74	05:46:59.4	49.9490	79.0110	0.00	5.60	20	150	NUCS	-	AWE-JED
02/20/75	00:00:00.0	50.0000	78.0000	0.00		.003	60	NUCS_SALVO	-	RFAE
02/20/75	05:33:00.0	49.7810	78.0190	0.00	5.70	.001	20	NUCS	-	AWE-JED
03/11/75	05:43:00.1	49.7400	78.1020	0.00	5.40	.001	20	NUCS	-	AWE-JED
04/25/75	05:00:00.0	47.9090	47.9120	0.60	4.70	.35		NUCS	PNE:Azgir A-2-2	SULTANOV
04/27/75	05:36:59.7	49.9550	78.9260	0.00	5.60	20	150	NUCS	-	AWE-JED
06/08/75	03:27:00.0	49.7570	78.0080	0.00	5.50	.001	20	NUCS	-	AWE-JED
06/30/75	03:26:59.9	50.0010	78.9960	0.00	5.00	.001	20	NUCS	-	AWE-JED
07/15/75	02:57:00.0	49.7914	78.0944	0.00		.002	40	NUCS_SALVO	-	KRR
08/07/75	03:57:00.1	49.8080	78.1200	0.00	5.20	.002	40	NUCS_SALVO	-	AWE-JED
08/12/75	15:00:00.6	70.7630	126.9530	0.50	5.10	7.6		NUCS	PNE:Horizon-4	SULTANOV
08/23/75	08:59:58.3	73.3340	54.6820	0.00	6.55	640	6340	NUCS_SALVO	-	RICHARDS
09/29/75	11:00:00.4	69.5780	90.3370	0.83	4.80	7.6		NUCS	PNE:Horizon-3	SULTANOV
10/05/75	04:27:00.0	49.7831	78.0867	0.00		.001	20	NUCS	-	KRR
10/18/75	00:00:00.0	73.0000	55.0000	0.00		300	3000	NUCS_SALVO	-	RFAE
10/18/75	08:59:59.4	70.8160	53.7530	0.00	6.75	150	1500	NUCS	-	AWE-JED
10/21/75	11:59:58.0	73.3070	55.0100	0.00	6.60	620	6150	NUCS_SALVO	-	RICHARDS
10/29/75	04:46:59.8	49.9550	78.8770	0.00	5.80	20	150	NUCS	-	AWE-JED

12/13/75	04:57:00.0	49.8060	78.1210	0.00	5.10	.001	20	NUCS	-	AWE-JED
12/25/75	05:16:59.7	50.0510	78.8130	0.00	5.80	20	150	NUCS	-	AWE-JED
01/15/76	04:47:00.0	49.8170	78.1610	0.00	5.20	.001	20	NUCS	-	AWE-JED
03/17/76	02:57:00.0	49.7556	78.0992	0.00		.001	20	NUCS	-	KRR
03/29/76	07:00:00.2	47.8970	48.1330	0.99	4.30	10		NUCS	PNE:Azgir A-3-2	SULTANOV
04/10/76	05:03:00.0	49.7550	78.0475	0.00		.001	20	NUCS	-	KRR
04/21/76	04:58:00.2	49.7730	78.1090	0.00	5.10	.001	20	NUCS	-	AWE-JED
04/21/76	05:02:59.7	49.9060	78.8270	0.00	5.30	.001	20	NUCS	-	AWE-JED
05/19/76	02:57:00.2	49.7890	78.0190	0.00	5.00	.001	20	NUCS	-	AWE-JED
06/09/76	03:02:59.8	50.0020	79.0250	0.00	5.40	.001	20	NUCS	-	AWE-JED
07/04/76	02:56:59.9	49.9120	78.9080	0.00	5.80	20	150	NUCS	-	AWE-JED
07/23/76	02:33:00.2	49.7740	78.0460	0.00	5.10	.001	20	NUCS	-	AWE-JED
07/29/76	05:00:00.5	47.8700	48.1500	1.00	5.90	58		NUCS	PNE:Azgir A-4	SULTANOV
08/04/76	02:57:00.0	49.8700	77.7000	0.00		.001	20	NUCS	-	KRR
08/28/76	02:57:00.0	49.9790	78.9280	0.00	5.80	20	150	NUCS	-	AWE-JED
09/29/76	02:59:57.7	73.3600	54.8710	0.00	5.83	40	300	NUCS_SALVO	-	RICHARDS
10/20/76	07:59:58.1	73.3980	54.8120	0.00	5.10	.003	60	NUCS_SALVO	-	RICHARDS
10/30/76	04:57:00.2	49.8250	78.0220	0.00	4.90	.001	20	NUCS	-	AWE-JED
11/05/76	04:00:00.0	61.4580	112.8600	1.52	5.30	15		NUCS	PNE:Oka	SULTANOV
11/23/76	05:02:59.8	50.0130	78.9620	0.00	5.90	20	150	NUCS	-	AWE-JED
12/07/76	00:00:00.0	50.0000	78.0000	0.00		20	170	NUCS_SALVO	-	RFAE
12/07/76	04:56:59.9	49.9270	78.8470	0.00	5.90	.001	20	NUCS	-	AWE-JED
12/30/76	03:57:00.3	49.7950	78.0300	0.00	5.20	.002	40	NUCS_SALVO	-	AWE-JED
03/29/77	00:00:00.0	50.0000	78.0000	0.00		.002	40	NUCS_SALVO	-	RFAE
03/29/77	03:57:00.0	49.7810	78.0420	0.00	5.40	20	150	NUCS	-	AWE-JED
04/25/77	04:07:00.2	49.8110	78.1070	0.00	5.10	.001	20	NUCS	-	AWE-JED
05/29/77	02:57:00.0	49.9320	78.7740	0.00	5.80	20	150	NUCS	-	AWE-JED
06/29/77	03:07:00.4	50.0330	78.8610	0.00	5.30	.001	20	NUCS	-	AWE-JED
07/26/77	17:00:00.2	69.5750	90.3750	0.85	5.00	15		NUCS	PNE:Meteorite-2	SULTANOV

07/30/77	01:57:00.1	49.7540	78.0570	0.00	5.30	.002	40	NUCS_SALVO	-	AWE-JED
08/10/77	22:00:00.1	50.9550	110.9830	0.49	5.00	8.5		NUCS	PNE:Meteorite-5	SULTANOV
08/17/77	04:27:00.0	49.8170	78.1280	0.00	5.10	.001	20	NUCS	-	AWE-JED
08/20/77	22:00:00.8	64.1080	99.5580	0.60	5.00	8.5		NUCS	PNE:Meteorite-3	SULTANOV
09/01/77	02:59:58.0	73.3390	54.6190	0.00	5.71	20	210	NUCS_SALVO	-	RICHARDS
09/05/77	03:02:59.9	50.0480	78.9230	0.00	5.90	20	170	NUCS_SALVO	-	AWE-JED
09/10/77	16:00:00.2	57.2510	106.5510	0.55	4.80	7.6		NUCS	PNE:Meteorite-4	SULTANOV
09/30/77	06:59:58.4	47.8970	48.1610	1.50	5.00	10		NUCS	PNE:Azgir A-5	SULTANOV
10/09/77	10:59:58.1	73.4090	54.9270	0.00	4.60	.001	20	NUCS	-	RICHARDS
10/14/77	06:59:59.1	47.9090	47.9120	0.60		.1		NUCS	PNE:Azgir A-2-3	SULTANOV
10/29/77	03:07:00.0	49.8270	78.0910	0.00	5.60	.002	40	NUCS_SALVO	-	AWE-JED
10/29/77	03:07:04.9	50.0680	78.9770	0.00	5.60	20	150	NUCS	-	AWE-JED
10/30/77	06:59:59.1	47.9090	47.9120	0.60		.01		NUCS	PNE:Azgir A-2-4	SULTANOV
11/12/77	05:11:00.0	50.0522	78.8644	0.00		.001	20	NUCS	-	KRR
11/27/77	03:57:00.0	49.7544	78.0503	0.00		.001	20	NUCS	-	KRR
11/30/77	04:06:59.9	49.9660	78.8900	0.00	6.00	20	170	NUCS_SALVO	-	AWE-JED
12/26/77	00:00:00.0	50.0000	78.0000	0.00		.003	60	NUCS_SALVO	-	RFAE
12/26/77	04:03:00.2	49.8430	78.0700	0.00	4.90	.001	20	NUCS	-	AWE-JED
03/19/78	03:46:59.8	49.9450	77.7040	0.00	5.20	.001	20	NUCS	-	AWE-JED
03/26/78	03:57:00.0	49.7660	78.0080	0.00	5.60	.002	40	NUCS_SALVO	-	AWE-JED
04/22/78	03:07:00.0	49.7560	78.1400	0.00	5.30	.003	60	NUCS_SALVO	-	AWE-JED
05/24/78	00:00:00.0	50.0000	78.0000	0.00		0	.001	NUCS	-	RFAE
05/29/78	04:56:59.9	49.7620	78.0920	0.00	4.70	.001	20	NUCS	-	AWE-JED
06/02/78	00:00:00.0	50.0000	78.0000	0.00		0	.001	NUCS	-	RFAE
06/11/78	02:57:00.1	49.9030	78.7910	0.00	5.90	20	150	NUCS	-	AWE-JED
07/05/78	02:47:00.0	49.8960	78.8680	0.00	5.80	20	150	NUCS	-	AWE-JED
07/28/78	02:46:59.9	49.7520	78.1000	0.00	5.70	20	230	NUCS_SALVO	-	AWE-JED
08/09/78	18:00:00.8	63.6780	125.5220	0.57	5.60	22		NUCS	PNE:Kraton-4	SULTANOV
08/10/78	07:59:57.9	73.2910	54.8830	0.00	6.04	20	250	NUCS_SALVO	-	RICHARDS

08/24/78	18:00:00.4	65.9250	112.3380	0.58	5.10	22		NUCS	PNE:Kraton-3	SULTANOV
08/29/78	02:37:00.0	49.8070	78.1070	0.00	5.20	.002	40	NUCS_SALVO	-	AWE-JED
08/29/78	02:37:08.8	50.0110	78.9760	0.00	5.90	20	150	NUCS	-	AWE-JED
09/12/78	04:59:58.5	47.9090	47.9120	0.60		.08		NUCS	PNE:Azgir A-2-5	SULTANOV
09/15/78	02:36:59.9	49.9220	78.8760	0.00	6.00	20	150	NUCS	-	AWE-JED
09/20/78	05:03:00.0	49.8480	78.2120	0.00	4.30	.001	10	NUCS	-	AWE-JED
09/21/78	15:00:00.2	66.5980	86.2100	0.89	5.20	15		NUCS	PNE:Kraton-2	SULTANOV
09/27/78	02:04:58.6	73.3490	54.6760	0.00	5.63	20	250	NUCS_SALVO	-	RICHARDS
10/08/78	00:00:00.0	61.5500	112.8500	1.55	5.20	15		NUCS	PNE:Vyatka	SULTANOV
10/15/78	05:37:00.1	49.7460	78.1210	0.00	5.20	.001	20	NUCS	-	AWE-JED
10/17/78	04:59:59.1	47.8500	48.1200	1.04	5.80	20	170	NUCS_SALVO	PNE:Azgir A-7	SULTANOV
10/17/78	14:00:00.2	63.1850	63.4320	0.59	5.50	22		NUCS	PNE:Kraton-1	SULTANOV
10/31/78	04:17:00.2	49.8030	78.0990	0.00	5.20	.001	20	NUCS	-	AWE-JED
11/04/78	05:05:59.8	50.0400	78.9410	0.00	5.60	20	170	NUCS_SALVO	-	AWE-JED
11/29/78	04:33:00.2	49.8080	77.9990	0.00	5.30	20	170	NUCS_SALVO	-	AWE-JED
11/29/78	04:33:05.0	49.9590	78.8010	0.00	6.00	.001	20	NUCS	-	AWE-JED
11/30/78	07:59:59.1	47.9090	47.9120	0.60		.06		NUCS	PNE:Azgir A-2-6	SULTANOV
12/14/78	04:43:00.0	49.8050	78.1030	0.00	4.80	.001	20	NUCS	-	AWE-JED
12/18/78	07:59:58.5	47.8600	48.1600	0.63	5.90	103		NUCS	PNE:Azgir A-9	SULTANOV
12/20/78	04:33:00.0	49.8500	78.0470	0.00	4.70	.002	40	NUCS_SALVO	-	AWE-JED
01/10/79	08:00:00.0	47.9090	47.9120	0.60		.5		NUCS	PNE:Azgir A-2-7	SULTANOV
01/17/79	07:59:58.5	47.9200	48.1200	1.00	6.00	20	170	NUCS_SALVO	PNE:Azgir A-8	SULTANOV
02/01/79	04:13:00.2	50.1010	78.8630	0.00	5.40	.001	20	NUCS	-	AWE-JED
02/16/79	04:04:00.5	49.9740	77.6680	0.00	5.40	.002	40	NUCS_SALVO	-	AWE-JED
03/23/79	00:00:00.0	50.0000	78.0000	0.00		0	.001	NUCS	-	RFAE
04/10/79	00:00:00.0	50.0000	78.0000	0.00		0	.001	NUCS	-	RFAE
05/06/79	03:17:00.1	49.7700	78.0080	0.00	5.20	.002	40	NUCS_SALVO	-	AWE-JED
05/31/79	05:55:00.1	49.8300	78.0870	0.00	5.30	.004	80	NUCS_SALVO	-	AWE-JED
06/12/79	00:00:00.0	50.0000	78.0000	0.00		0	.001	NUCS	-	RFAE

06/23/79	02:57:00.0	49.9130	78.8570	0.00	6.30	20	150	NUCS	-	AWE-JED
07/07/79	03:46:59.8	50.0320	78.9890	0.00	5.80	20	170	NUCS_SALVO	-	AWE-JED
07/14/79	04:59:58.0	47.8800	48.1200	0.98	5.60	.003	60	NUCS_SALVO	PNE:Azgir A-11	SULTANOV
07/18/79	00:00:00.0	50.0000	78.0000	0.00		.001	20	NUCS	-	RFAE
07/18/79	03:17:04.9	49.9190	77.8120	0.00	5.20	.001	20	NUCS	-	AWE-JED
08/04/79	03:56:59.6	49.9000	78.9000	0.00	6.10	20	170	NUCS_SALVO	-	AWE-JED
08/12/79	18:00:00.2	61.8030	122.4300	0.98	4.90	8.5		NUCS	PNE:Kimberlite-4	SULTANOV
08/18/79	02:51:59.6	49.9490	78.9370	0.00	6.10	20	170	NUCS_SALVO	-	AWE-JED
09/06/79	18:00:00.3	64.1100	99.5620	0.60	4.90	8.5		NUCS	PNE:Kimberlite-3	SULTANOV
09/16/79	09:00:00.0	48.2000	38.3000	0.90		.3		NUCS	PNE:Cleavage	SULTANOV
09/24/79	03:29:58.8	73.3430	54.6720	0.00	5.80	20	190	NUCS_SALVO	-	RICHARDS
09/27/79	04:13:00.0	49.7570	78.0970	0.00	4.50	.001	20	NUCS	-	AWE-JED
10/04/79	16:00:00.0	60.6750	71.4550	0.84	5.40	22		NUCS	PNE:Kimberlite-1	SULTANOV
10/07/79	21:00:00.2	61.8500	113.1000	1.55	5.00	15		NUCS	PNE:Sheksna	SULTANOV
10/18/79	04:17:00.1	49.8290	78.1040	0.00	5.20	.002	40	NUCS_SALVO	-	AWE-JED
10/18/79	07:09:58.8	73.3160	54.8160	0.00	5.85	40	340	NUCS_SALVO	-	RICHARDS
10/24/79	05:59:59.0	47.8500	48.1400	0.85	5.80	20	170	NUCS_SALVO	PNE:Azgir A-10	SULTANOV
10/28/79	03:16:59.5	49.9820	78.9960	0.00	6.00	20	170	NUCS_SALVO	-	AWE-JED
11/30/79	04:53:00.6	49.7810	78.1040	0.00	4.50	.001	20	NUCS	-	AWE-JED
12/02/79	04:37:00.0	49.9000	78.7930	0.00	6.00	20	170	NUCS_SALVO	-	AWE-JED
12/21/79	04:42:00.1	49.7950	78.1270	0.00	4.70	.001	20	NUCS	-	AWE-JED
12/23/79	04:56:59.9	49.9200	78.7530	0.00	6.20	20	170	NUCS_SALVO	-	AWE-JED
03/14/80	00:00:00.0	50.0000	78.0000	0.00		0	.001	NUCS	-	RFAE
04/04/80	05:32:59.8	50.0000	77.8230	0.00	4.90	.001	20	NUCS	-	AWE-JED
04/10/80	04:07:00.2	49.7960	78.0680	0.00	5.00	.002	40	NUCS_SALVO	-	AWE-JED
04/25/80	03:57:00.0	49.9810	78.7560	0.00	5.50	0	40	NUCS_SALVO	-	AWE-JED
05/22/80	03:57:00.1	49.7800	78.0370	0.00	5.50	.004	80	NUCS_SALVO	-	AWE-JED
06/12/80	03:27:00.1	49.9860	78.9980	0.00	5.60	20	150	NUCS	-	AWE-JED
06/16/80	06:00:00.0	52.9000	56.5000	1.40		3.2		NUCS	PNE:Butane 2-1	SULTANOV

06/25/80	02:27:00.0	49.8258	78.0994	0.00		.001	20	NUCS	-	KRR
06/25/80	06:00:00.0	52.9000	56.5000	1.39		3.2		NUCS	PNE:Butane 2-2	SULTANOV
06/29/80	02:33:00.2	49.9510	78.8150	0.00	5.70	20	190	NUCS_SALVO	-	AWE-JED
07/31/80	03:33:00.1	49.8030	78.1050	0.00	5.30	.002	40	NUCS_SALVO	-	AWE-JED
09/14/80	02:42:41.6	49.9300	78.8010	0.00	6.20	20	150	NUCS	-	AWE-JED
09/25/80	06:21:13.1	49.8260	78.0710	0.00	4.70	.001	20	NUCS	-	AWE-JED
10/08/80	06:00:00.3	46.7570	48.2750	1.05	5.20	8.5		NUCS	PNE:Vega-1	SULTANOV
10/11/80	07:09:57.5	73.3360	54.9400	0.00	5.80	40	400	NUCS_SALVO	-	RICHARDS
10/12/80	03:34:16.6	49.9670	79.0260	0.00	5.90	40	300	NUCS_SALVO	-	AWE-JED
10/23/80	03:57:11.0	49.7517	78.1317	0.00		.001	20	NUCS	-	KRR
11/01/80	13:00:00.4	60.8000	97.5500	0.72	5.20	8		NUCS	PNE:Batholith-1	SULTANOV
12/05/80	00:00:00.0	50.0000	78.0000	0.00		.001	20	NUCS	-	RFAE
12/05/80	04:17:16.0	49.7517	78.1317	0.00		.003	60	NUCS_SALVO	-	KRR
12/10/80	07:00:00.1	61.7500	66.7500	2.49	4.60	15		NUCS	PNE:Angara	SULTANOV
12/14/80	03:47:08.9	49.9090	78.9320	0.00	5.90	40	320	NUCS_SALVO	-	AWE-JED
12/26/80	04:07:09.3	49.8630	78.1190	0.00	4.50	.001	20	NUCS	-	AWE-JED
12/27/80	04:09:10.6	50.0630	78.9820	0.00	5.90	20	170	NUCS_SALVO	-	AWE-JED
03/25/81	00:00:00.0	50.0000	78.0000	0.00		0	.001	NUCS	-	RFAE
03/29/81	04:03:52.5	50.0110	78.9780	0.00	5.60	.003	60	NUCS_SALVO	-	AWE-JED
04/22/81	01:17:13.8	49.8910	78.8110	0.00	6.00	20	190	NUCS_SALVO	-	AWE-JED
05/25/81	05:00:00.3	68.2000	53.5000	1.51	5.50	37.6		NUCS	PNE:Pyrite	SULTANOV
05/27/81	03:58:14.8	49.9920	78.9790	0.00	5.50	.001	20	NUCS	-	AWE-JED
06/04/81	00:00:00.0	50.0000	78.0000	0.00		0	.001	NUCS	-	RFAE
06/30/81	01:57:15.3	49.7610	78.0710	0.00	5.20	.002	40	NUCS_SALVO	-	AWE-JED
07/17/81	02:37:18.1	49.8000	78.1260	0.00	5.20	.001	20	NUCS	-	AWE-JED
08/14/81	02:27:15.2	49.7810	78.0770	0.00	5.00	.003	60	NUCS_SALVO	-	AWE-JED
09/02/81	04:00:00.0	60.6000	55.7000	2.09	4.40	3.2		NUCS	PNE:Helium-1	SULTANOV
09/13/81	02:17:20.8	49.9200	78.9110	0.00	6.10	20	150	NUCS	-	AWE-JED
09/26/81	05:00:00.3	46.7900	48.3130	1.05	5.20	8.5		NUCS	PNE:Vega 2-1	SULTANOV

09/26/81	05:03:59.9	46.7710	48.3040	1.05	5.30	8.5		NUCS	PNE:Vega 2-2	SULTANOV
10/01/81	12:14:57.2	73.3040	54.8180	0.00	6.00	20	210	NUCS_SALVO	-	RICHARDS
10/16/81	00:00:00.0	50.0000	78.0000	0.00		0	.001	NUCS	-	RFAE
10/18/81	03:57:05.1	49.9270	78.8540	0.00	6.10	20	170	NUCS_SALVO	-	AWE-JED
10/22/81	14:00:00.4	63.8000	97.5500	0.58	5.10	8.5		NUCS	PNE:Shpat-2	SULTANOV
11/20/81	04:57:05.1	49.7460	78.1200	0.00	5.10	.002	40	NUCS_SALVO	-	AWE-JED
11/29/81	03:35:11.1	49.8980	78.8570	0.00	5.70	.003	60	NUCS_SALVO	-	AWE-JED
12/22/81	04:31:05.3	49.8210	78.1070	0.00	5.10	.003	60	NUCS_SALVO	-	AWE-JED
12/27/81	03:43:16.6	49.9300	78.7920	0.00	6.20	20	150	NUCS	-	AWE-JED
02/19/82	03:56:13.4	49.8060	78.0290	0.00	5.40	.002	40	NUCS_SALVO	-	AWE-JED
04/25/82	03:23:07.9	49.9120	78.9060	0.00	6.10	60	450	NUCS_SALVO	-	AWE-JED
06/25/82	02:03:07.2	49.8010	78.0890	0.00	4.90	.002	40	NUCS_SALVO	-	AWE-JED
07/04/82	01:17:16.7	49.9580	78.8000	0.00	6.10	20	190	NUCS_SALVO	-	AWE-JED
07/30/82	21:00:00.0	53.8000	104.1500	0.55	5.00	8.5		NUCS	PNE:Rift-3	SULTANOV
08/23/82	02:43:06.7	49.7580	78.0440	0.00	4.70	.002	40	NUCS_SALVO	-	AWE-JED
08/31/82	01:31:03.2	49.9260	78.7600	0.00	5.40	.002	40	NUCS_SALVO	-	AWE-JED
09/04/82	18:00:00.1	69.2000	81.6500	0.96	5.30	16		NUCS	PNE:Rift-1	SULTANOV
09/21/82	02:57:03.2	49.7850	78.1210	0.00	5.20	.002	40	NUCS_SALVO	-	AWE-JED
09/25/82	18:00:00.2	64.3500	91.8000	0.55	5.20	8.5		NUCS	PNE:Rift-4	SULTANOV
10/10/82	05:00:00.2	61.5500	112.8500	1.50	5.30	15		NUCS	PNE:Neva-1	SULTANOV
10/11/82	07:14:58.6	73.3390	54.6080	0.00	5.60	20	210	NUCS_SALVO	-	RICHARDS
10/16/82	06:00:00.2	46.7590	48.2470	0.95	5.20	13.5		NUCS	PNE:Vega 3-1	SULTANOV
10/16/82	06:05:00.1	46.7520	48.2580	0.99	5.20	8.5		NUCS	PNE:Vega 3-2	SULTANOV
10/16/82	06:10:00.1	46.7660	48.2880	1.10	5.20	8.5		NUCS	PNE:Vega 3-3	SULTANOV
10/16/82	06:15:00.2	46.7600	48.3000	1.06	5.40	8.5		NUCS	PNE:Vega 3-4	SULTANOV
12/05/82	03:37:15.0	49.9240	78.8120	0.00	6.10	20	170	NUCS_SALVO	-	AWE-JED
12/25/82	04:23:08.4	49.7990	78.0370	0.00	4.80	.002	40	NUCS_SALVO	-	AWE-JED
12/26/82	03:35:16.7	50.0780	78.9860	0.00	5.70	40	300	NUCS_SALVO	-	AWE-JED
03/11/83	00:00:00.0	50.0000	78.0000	0.00		0	.001	NUCS	-	RFAE

03/30/83	04:17:10.2	49.7920	78.0290	0.00	4.90	.001	20	NUCS	-	AWE-JED
04/12/83	03:41:08.3	49.8150	78.0760	0.00	4.90	.001	20	NUCS	-	AWE-JED
05/30/83	03:33:47.0	49.7360	78.1200	0.00	5.50	.002	40	NUCS_SALVO	-	AWE-JED
06/12/83	02:36:46.0	49.9200	78.9140	0.00	6.10	20	170	NUCS_SALVO	-	AWE-JED
06/24/83	02:56:13.9	49.7570	78.0390	0.00	4.70	.001	20	NUCS	-	AWE-JED
07/10/83	04:00:00.0	51.3630	53.3060	0.91	5.30	15		NUCS	PNE:Lira 1-1	SULTANOV
07/10/83	04:04:59.9	51.3670	53.3270	0.92	5.30	15		NUCS	PNE:Lira 1-2	SULTANOV
07/10/83	04:09:59.9	51.3800	53.3400	0.84	5.30	15		NUCS	PNE:Lira 1-3	SULTANOV
08/18/83	16:09:58.9	73.3540	54.9740	0.00	5.91	20	230	NUCS_SALVO	-	RICHARDS
09/11/83	06:33:13.1	49.8200	78.1180	0.00	4.90	.001	20	NUCS	-	AWE-JED
09/24/83	05:00:00.0	46.7830	48.3150	1.05	5.20	8.5		NUCS	PNE:Vega 4-1	SULTANOV
09/24/83	05:05:00.0	46.7880	48.2970	1.05	5.10	8.5		NUCS	PNE:Vega 4-2	SULTANOV
09/24/83	05:10:00.1	46.7670	48.3100	0.92	5.00	8.5		NUCS	PNE:Vega 4-3	SULTANOV
09/24/83	05:15:00.1	46.7490	48.3030	1.10	5.20	8.5		NUCS	PNE:Vega 4-4	SULTANOV
09/24/83	05:19:59.9	46.7540	48.2890	0.95	5.40	8.5		NUCS	PNE:Vega 4-5	SULTANOV
09/24/83	05:25:00.0	46.7660	48.2740	1.10	5.30	8.5		NUCS	PNE:Vega 4-6	SULTANOV
09/25/83	13:09:58.2	73.3280	54.5410	0.00	5.80	20	210	NUCS_SALVO	-	RICHARDS
10/06/83	01:47:09.1	49.9240	78.7610	0.00	6.00	20	170	NUCS_SALVO	-	AWE-JED
10/26/83	01:55:07.3	49.9120	78.8280	0.00	6.10	20	150	NUCS	-	AWE-JED
11/02/83	04:18:54.0	49.7792	78.1247	0.00		.001	20	NUCS	-	KRR
11/20/83	03:27:06.9	50.0550	78.9970	0.00	5.50	.002	40	NUCS_SALVO	-	AWE-JED
11/29/83	00:00:00.0	50.0000	78.0000	0.00		.002	40	NUCS_SALVO	-	RFAE
11/29/83	02:19:08.8	49.7390	78.1050	0.00	5.40	.001	20	NUCS	-	AWE-JED
12/26/83	04:29:09.3	49.8040	78.0980	0.00	5.60	.001	20	NUCS	-	AWE-JED
02/19/84	03:57:05.9	49.8940	78.7450	0.00	5.90	20	150	NUCS	-	AWE-JED
03/07/84	02:39:08.8	50.0490	78.9500	0.00	5.70	20	150	NUCS	-	AWE-JED
03/29/84	05:19:10.7	49.9220	78.9490	0.00	5.90	20	150	NUCS	-	AWE-JED
04/15/84	03:17:11.5	49.7490	78.1010	0.00	5.70	20	170	NUCS_SALVO	-	AWE-JED
04/25/84	01:09:06.0	49.9350	78.8670	0.00	6.00	20	170	NUCS_SALVO	-	AWE-JED

05/26/84	03:13:14.9	49.9730	79.0000	0.00	6.10	20	170	NUCS_SALVO	-	AWE-JED
07/14/84	01:09:13.0	49.9010	78.8790	0.00	6.20	20	170	NUCS_SALVO	-	AWE-JED
07/21/84	02:59:59.8	51.3580	53.3190	0.85	5.40	15		NUCS	PNE:Lira 2-1	SULTANOV
07/21/84	03:04:59.7	51.3710	53.3370	0.96	5.30	15		NUCS	PNE:Lira 2-2	SULTANOV
07/21/84	03:09:59.9	51.3910	53.3510	0.84	5.40	15		NUCS	PNE:Lira 2-3	SULTANOV
08/11/84	19:00:00.2	65.0500	55.1000	0.76	5.30	8.5		NUCS	PNE:Quartz-2	SULTANOV
08/25/84	19:00:00.3	61.9000	72.1000	0.73	5.30	8.5		NUCS	PNE:Quartz-3	SULTANOV
08/26/84	03:30:00.0	73.3260	54.7630	0.00	3.80	.001	20	NUCS	-	NORSAR
08/27/84	06:00:00.1	67.7500	33.0000	0.18	4.70	3.4		NUCS_SALVO	PNE:Dnepr-2	SULTANOV
08/28/84	02:59:59.8	60.3000	57.1000	2.07	4.40	3.2		NUCS	PNE:Helium 2-1	SULTANOV
08/28/84	03:04:59.9	60.7000	57.5000	2.08	4.40	3.2		NUCS	PNE:Helium 2-2	SULTANOV
09/09/84	02:59:08.9	49.8090	78.0720	0.00	5.10	.004	80	NUCS_SALVO	-	AWE-JED
09/17/84	21:00:00.0	55.8340	87.5260	0.56	5.00	10		NUCS	PNE:Quartz-4	SULTANOV
10/18/84	04:57:08.3	49.7750	78.1330	0.00	4.50	.001	20	NUCS	-	AWE-JED
10/25/84	06:29:58.1	73.3550	54.9900	0.00	5.90	23	210	NUCS_SALVO	-	RICHARDS
10/27/84	01:50:12.9	49.9250	78.7760	0.00	6.20	20	150	NUCS	-	AWE-JED
10/27/84	06:00:00.1	46.9000	48.1500	1.00	5.00	3.2		NUCS	PNE:Vega 5-1	SULTANOV
10/27/84	06:05:00.0	46.9500	48.1000	1.00	5.00	3.2		NUCS	PNE:Vega 5-2	SULTANOV
11/23/84	03:55:07.5	49.8300	78.0730	0.00	4.70	.003	60	NUCS_SALVO	-	AWE-JED
12/02/84	03:19:08.9	49.9930	79.0090	0.00	5.90	20	170	NUCS_SALVO	-	AWE-JED
12/16/84	03:55:05.1	49.9300	78.8160	0.00	6.10	20	170	NUCS_SALVO	-	AWE-JED
12/28/84	03:50:13.1	49.8750	78.7000	0.00	6.00	20	170	NUCS_SALVO	-	AWE-JED
02/10/85	03:27:10.0	49.8930	78.7830	0.00	5.90	20	190	NUCS_SALVO	-	AWE-JED
04/25/85	00:57:09.0	49.9210	78.8990	0.00	5.90	40	300	NUCS_SALVO	-	AWE-JED
06/15/85	00:57:03.1	49.9030	78.8390	0.00	6.10	20	190	NUCS_SALVO	-	AWE-JED
06/18/85	04:00:00.1	60.6000	72.7000	2.86		2.5		NUCS	PNE:Benzene	SULTANOV
06/30/85	02:39:05.1	49.8570	78.6590	0.00	6.00	20	170	NUCS_SALVO	-	AWE-JED
07/11/85	02:57:02.0	49.7506	78.0492	0.00		.001	20	NUCS	-	KRR
07/18/85	21:15:00.3	65.9940	41.0380	0.77	5.10	8.5		NUCS	PNE:Agate	SULTANOV

07/19/85	04:00:08.0	49.8011	78.0686	0.00		.001	20	NUCS	-	KRR
07/20/85	00:53:16.9	49.9430	78.7830	0.00	6.00	20	150	NUCS	-	AWE-JED
07/25/85	03:11:09.2	49.8360	77.9980	0.00	5.00	.004	80	NUCS_SALVO	-	AWE-JED
02/26/87	04:58:24.3	49.8440	78.0880	0.00	5.40	.001	20	NUCS	-	AWE-JED
03/12/87	01:57:19.6	49.9290	78.8240	0.00	5.60	.002	40	NUCS_SALVO	-	AWE-JED
04/03/87	00:00:00.0	50.0000	78.0000	0.00		.003	60	NUCS_SALVO	-	RFAE
04/03/87	01:17:10.3	49.9100	78.7860	0.00	6.20	20	150	NUCS	-	AWE-JED
04/17/87	01:03:07.1	49.8740	78.6630	0.00	6.00	20	190	NUCS_SALVO	-	AWE-JED
04/19/87	04:00:00.0	60.6000	57.2000	2.02	4.50	3.2		NUCS	PNE:Helium 3-1	SULTANOV
04/19/87	04:05:00.0	60.8000	57.5000	2.06	4.50	3.2		NUCS	PNE:Helium 3-2	SULTANOV
05/06/87	04:02:08.1	49.7770	77.9840	0.00	5.60	.001	20	NUCS	-	AWE-JED
06/06/87	02:37:09.3	49.8370	78.0650	0.00	5.40	.001	20	NUCS	-	AWE-JED
06/20/87	00:53:07.1	49.9270	78.7400	0.00	6.10	20	170	NUCS_SALVO	-	AWE-JED
07/07/87	00:00:00.0	61.5000	112.8500	1.50	5.10	15		NUCS	PNE:Neva 2-1	SULTANOV
07/17/87	01:17:09.2	49.7690	78.0350	0.00	5.80	20	150	NUCS	-	AWE-JED
07/24/87	02:00:00.0	61.4500	112.8000	1.52	5.10	15		NUCS	PNE:Neva 2-2	SULTANOV
08/02/87	00:58:09.2	49.8770	78.8730	0.00	5.90	40	320	NUCS_SALVO	-	AWE-JED
08/02/87	02:00:00.2	73.3260	54.6020	0.00	5.82	20	230	NUCS_SALVO	-	RICHARDS
08/12/87	01:30:00.5	61.4500	112.8000	0.82	5.00	3.2		NUCS	PNE:Neva 2-3	SULTANOV
09/18/87	02:32:10.0	49.9760	78.0240	0.00	4.30	.002	40	NUCS_SALVO	-	AWE-JED
10/03/87	15:15:00.0	47.6000	56.2000	1.00	5.30	8.5		NUCS	PNE:Batholith-2	SULTANOV
10/16/87	06:06:07.0	49.8020	78.1400	0.00	4.60	.001	20	NUCS	-	AWE-JED
11/15/87	03:31:09.1	49.8810	78.7530	0.00	6.10	20	170	NUCS_SALVO	-	AWE-JED
12/13/87	03:21:07.2	49.9570	78.7920	0.00	6.10	20	170	NUCS_SALVO	-	AWE-JED
12/20/87	02:55:09.1	49.7740	77.9750	0.00	4.80	.001	20	NUCS	-	AWE-JED
12/27/87	03:05:07.2	49.8670	78.7180	0.00	6.10	20	170	NUCS_SALVO	-	AWE-JED
02/06/88	04:19:09.1	49.7870	77.9750	0.00	4.80	.001	20	NUCS_SALVO	-	AWE-JED
02/13/88	03:05:08.2	49.9320	78.8780	0.00	6.10	20	170	NUCS_SALVO	-	AWE-JED
04/03/88	01:33:08.1	49.9090	78.9180	0.00	6.10	20	150	NUCS	-	AWE-JED

04/22/88	09:30:09.4	49.8240	78.1020	0.00	4.90	.001	20	NUCS	-	AWE-JED
05/04/88	00:57:09.1	49.9310	78.7410	0.00	6.10	20	150	NUCS	-	AWE-JED
05/07/88	22:49:58.3	73.3140	54.5530	0.00	5.60	20	190	NUCS_SALVO	-	RICHARDS
06/14/88	02:27:09.0	50.0340	78.9640	0.00	5.10	.001	20	NUCS	-	AWE-JED
08/22/88	16:20:00.1	66.2800	78.4910	0.83	5.30	15		NUCS	PNE:Ruby-2	SULTANOV
09/06/88	16:19:59.9	61.3610	48.0920	0.82	4.80	8.5		NUCS	PNE:Ruby-1	SULTANOV
09/14/88	04:00:00.0	49.8788	78.8225	0.00	6.10	20	150	NUCS	shagan/jve	MURPHY+JENAB
10/18/88	03:40:09.2	49.8020	78.0020	0.00	4.90	.001	20	NUCS	-	AWE-JED
11/12/88	03:30:06.3	50.0480	78.9600	0.00	5.40	.001	20	NUCS	-	AWE-JED
11/23/88	03:57:09.0	49.7650	78.0290	0.00	5.40	.002	40	NUCS_SALVO	-	AWE-JED
12/04/88	05:19:53.3	73.3660	55.0010	0.00	5.90	20	210	NUCS_SALVO	-	RICHARDS
12/17/88	04:18:09.2	49.8790	78.9240	0.00	5.90	20	170	NUCS_SALVO	-	AWE-JED
12/28/88	05:28:10.0	49.8011	78.0686	0.00		.002	40	NUCS_SALVO	-	KRR
01/22/89	03:57:09.0	49.9340	78.8150	0.00	6.10	20	170	NUCS_SALVO	-	AWE-JED
02/12/89	04:15:09.2	49.9110	78.7040	0.00	5.90	20	150	NUCS	-	AWE-JED
02/17/89	04:01:09.2	49.8490	78.0640	0.00	5.10	.001	20	NUCS	-	AWE-JED
07/08/89	03:47:00.0	49.8690	78.7750	0.00	5.60	20	150	NUCS	-	AWE-JED
09/02/89	04:16:59.9	50.0190	78.9980	0.00	5.10	.002	40	NUCS_SALVO	-	AWE-JED
10/04/89	11:30:00.2	49.7510	78.0050	0.00	4.70	.001	20	NUCS	-	AWE-JED
10/19/89	09:49:59.8	49.9270	78.9270	0.00	6.00	20	190	NUCS_SALVO	-	AWE-JED
10/24/90	14:57:58.5	73.3310	54.7570	0.00	5.70	20	230	NUCS_SALVO	-	RICHARDS

US

date	time	latitude	longitude	depth	mb	yield	ymax	type	name	source
07/16/45	11:29:21.0	33.6753	-106.4747	-0.03		21		NACU	Trinity	G+P
08/05/45	23:16:02.0	34.2200	132.2500	0.00		15		NACU	littleboy	TCARTER
08/09/45	01:58:00.0	32.4800	129.5300	0.00		21		NACU	fatman	TCARTER
06/30/46	21:01:00.0	11.0000	165.0000	-0.16		21		NACU	Able	G+P
07/24/46	21:34:59.8	11.5833	165.5000	0.00		21		NWCU	Baker	G+R
04/14/48	18:16:59.0	11.0000	162.0000	-0.06		37		NACU	X-ray	G+P
04/30/48	18:08:59.0	11.0000	162.0000	-0.06		49		NACU	Yoke	G+P
05/14/48	18:04:00.0	11.0000	162.0000	-0.06		18		NACU	Zebra	G+P
01/27/51	13:44:51.0	36.8000	-115.9500	-0.32		1		NACU	Able	G+P
01/28/51	13:52:04.5	36.8000	-115.9500	-0.33		8		NACU	Baker	G+P
02/01/51	13:46:39.5	36.8000	-115.9500	-0.33		1		NACU	Easy	G+P
02/02/51	13:48:48.0	36.8000	-115.9500	-0.34		8		NACU	Baker-2	G+P
02/06/51	13:46:55.0	36.8000	-115.9500	-0.44		22		NACU	Fox	G+P
04/07/51	17:33:57.8	11.5558	162.3544	-0.09		81		NACU	Dog	G+P
04/20/51	17:27:00.1	11.6689	162.2403	-0.09		47		NACU	Easy	G+P
05/08/51	20:30:00.7	11.6269	162.3147	-0.06		225		NACU	George	G+P
05/24/51	17:16:59.3	11.6730	162.2486	-0.06		45.5		NACU	Item	G+P
10/22/51	14:00:00.0	37.0839	-116.0239	-0.03			.1	NACU	Able	G+P
10/28/51	15:20:08.9	37.0850	-116.0200	-0.34		3.5		NACU	Baker	G+P
10/30/51	15:00:29.8	37.0850	-116.0203	-0.35		14		NACU	Charlie	G+P
11/01/51	15:30:01.6	37.0847	-116.0197	-0.43		21		NACU	Dog	G+P
11/05/51	16:29:58.2	37.0919	-116.0244	-0.40		31		NACU	Easy	G+P
11/19/51	16:59:59.7	37.1317	-116.0386	-0.00		1.2		NACU	Sugar	G+P
11/29/51	19:59:59.7	37.1697	-116.0425	0.01		1.2		NUCU	Uncle	G+P
04/01/52	17:00:07.5	36.7983	-115.9356	-0.24		1		NACU	Able	G+P
04/15/52	17:29:57.1	37.0842	-116.0194	-0.34		1		NACU	Baker	G+P
04/22/52	17:30:10.0	37.0844	-116.0203	-1.05		31		NACU	Charlie	G+P

05/01/52	16:29:59.1	37.0842	-116.0203	-0.32	19	NACU	Dog	G+P
05/07/52	12:14:59.3	37.0531	-116.1056	-0.09	12	NACU	Easy	G+P
05/25/52	11:59:59.6	37.0956	-116.1056	-0.09	11	NACU	Fox	G+P
06/01/52	11:54:59.8	37.0481	-116.0211	-0.09	15	NACU	George	G+P
06/05/52	11:55:00.3	37.1386	-116.1178	-0.09	14	NACU	How	G+P
10/31/52	19:14:59.4	11.2372	162.1964	-0.01	10400	NACU	Mike	G+P
11/15/52	23:30:00.0	11.5622	162.3525	-0.45	500	NACU	King	G+P
03/17/53	13:20:00.3	37.0478	-116.0211	-0.09	16	NACU	Annie	G+P
03/24/53	13:10:00.0	37.0956	-116.1028	-0.09	24	NACU	Nancy	G+P
03/31/53	13:00:00.0	37.0828	-116.0239	-0.09	.2	NACU	Ruth	G+P
04/06/53	15:29:38.4	37.0847	-116.0180	-1.83	11	NACU	Dixie	G+P
04/11/53	12:44:59.8	37.0989	-116.0925	-0.03	.2	NACU	Ray	G+P
04/18/53	12:35:00.0	37.1383	-116.1178	-0.09	23	NACU	Badger	G+P
04/25/53	12:29:59.8	37.0531	-116.1028	-0.09	43	NACU	Simon	G+P
05/08/53	15:29:55.4	36.5000	-115.9289	-0.74	27	NACU	Encore	G+P
05/19/53	12:04:59.5	37.0403	-116.0253	-0.09	32	NACU	Harry	G+P
05/25/53	15:30:00.3	36.7931	-115.9147	-0.16	15	NACU	Grable	G+P
06/04/53	11:14:56.7	37.0875	-116.0183	-0.41	61	NACU	Climax	G+P
02/28/54	18:45:00.0	11.6908	165.2736		15000	NACU	Bravo	G+P
03/26/54	18:30:00.4	11.6908	165.2730		11000	NACU	Romeo	G+P
04/06/54	18:20:00.4	11.4967	165.3675		110	NACU	Koon	G+P
04/25/54	18:10:00.6	11.6664	165.3872		6900	NACU	Union	G+P
05/04/54	18:10:00.1	11.6656	165.3869		13500	NACU	Yankee	G+P
05/13/54	18:20:00.1	11.6705	162.1964		1690	NACU	Nectar	G+P
02/18/55	19:59:59.2	37.0867	-116.0219	-0.23	1	NACU	Wasp	G+P
02/22/55	13:45:00.0	37.0478	-116.0211	-0.09	2	NACU	Moth	G+P
03/01/55	13:30:00.3	37.1255	-116.0475	-0.09	7	NACU	Tesla	G+P
03/07/55	13:20:00.2	37.1383	-116.1175	-0.15	43	NACU	Turk	G+P
03/12/55	13:19:59.8	37.0403	-116.0253	-0.09	4	NACU	Hornet	G+P

03/22/55	13:04:59.9	37.0947	-116.0239	-0.15	8		NACU	Bee	G+P
03/23/55	20:30:00.0	37.1683	-116.0439	0.02	1		NUCU	Ess	G+P
03/29/55	12:55:00.1	37.0956	-116.1028	-0.15	14		NACU	Apple-1	G+P
03/29/55	17:59:54.8	37.0867	-116.0578	-0.23	3		NACU	Wasp Prime	G+P
04/06/55	18:00:04.1	37.0286	-116.0578	-11.16	3		NACU	HA (High Altitude)	G+P
04/09/55	12:30:00.2	37.1222	-116.0344	-0.09	2		NACU	Post	G+P
04/15/55	19:15:00.3	36.7981	-115.9289	-0.12	22		NACU	Met	G+P
05/05/55	12:10:00.0	36.0531	-116.1025	-0.15	29		NACU	Apple-2	G+P
05/14/55	20:00:00.0	28.7333	-126.2667	0.61	30		NWCU	Wigwam	G+P
05/15/55	11:59:59.9	37.0947	-116.0239	-0.15	28		NACU	Zucchini	G+P
11/01/55	00:00:00.0	37.0000	-116.0000	0.00	0	0	NACU	Project 56 No. 1	NV209
11/03/55	00:00:00.0	37.0000	-116.0000	0.00	0	0	NACU	Project 56 No. 2	NV209
11/05/55	00:00:00.0	37.0000	-116.0000	0.00	0	0	NACU	Project 56 No. 3	NV209
01/18/56	00:00:00.0	37.0000	-116.0000	0.00	0	20	NACU	Project 56 No. 4	NV209
05/04/56	18:25:29.9	11.5578	162.3550		40		NACU	Lacrosse	G+P
05/20/56	17:50:38.7	11.6683	165.3942	-1.32	3800		NACU	Cherokee	G+P
05/27/56	00:00:00.0	11.0000	162.0000	0.00	.19		NACU	Yuma	NV209
05/27/56	17:56:00.3	11.4967	165.3692		3500		NACU	Zuni	G+P
05/30/56	18:15:29.3	11.5444	162.3644	-0.09	14.9		NACU	Erie	G+P
06/06/56	00:55:30.0	11.6764	162.2222		13.7		NACU	Seminole	G+P
06/11/56	18:26:00.1	11.6000	165.4514		365		NACU	Flathead	G+P
06/11/56	18:26:00.3	11.5511	162.3586	-0.06	8		NACU	Blackfoot	G+P
06/13/56	00:00:00.0	11.0000	162.0000	0.00	1.49		NACU	Kickapoo	NV209
06/16/56	01:13:53.1	11.5467	162.3608	-0.21	1.7		NACU	Osage	G+P
06/21/56	00:00:00.0	11.0000	162.0000	0.00	15.2		NACU	Inca	NV209
06/25/56	18:06:00.2	11.6028	165.4514		1100		NACU	Dakota	G+P
07/02/56	00:00:00.0	11.0000	162.0000	0.00	360		NACU	Mohawk	NV209
07/08/56	18:06:00.2	11.6714	162.2003		1850		NACU	Apache	G+P
07/10/56	17:56:00.3	11.6633	165.3872		4500		NACU	Navajo	G+P

07/20/56	17:46:00.0	11.6739	165.3394		5000		NACU	Tewa	G+P
07/21/56	18:16:00.1	11.6719	162.3692		250		NACU	Huron	G+P
04/24/57	00:00:00.0	37.0000	-115.0000	0.00	0	0	NACU	Project 57 No. 1	NV209
05/28/57	11:55:00.2	37.0947	-116.0236	-0.15	12		NACU	Boltzmann	G+P
06/02/57	11:54:59.9	37.0478	-116.0211	-0.09	.14		NACU	Franklin	G+P
06/05/57	11:45:00.3	37.1347	-116.0408	-0.15	.0005		NACU	Lassen	G+P
06/18/57	11:45:00.3	37.1347	-116.0408	-0.15	10		NACU	Wilson	G+P
06/24/57	13:30:00.1	37.7981	-115.9289	-0.21	37		NACU	Priscilla	G+P
07/01/57	00:00:00.0	37.0000	-116.0000	0.00	0	0	NACU	Coulomb-A	NV209
07/05/57	11:40:00.1	37.1347	-116.0408	-0.46	74		NACU	Hood	G+P
07/15/57	11:30:00.1	37.1503	-116.1086	-0.15	17		NACU	Diablo	G+P
07/19/57	14:00:04.6	37.1606	-116.0531	-9.14	2		NACU	John	G+P
07/24/57	11:49:59.9	37.0833	-116.1000	-0.15	10		NACU	Kepler	G+P
07/25/57	13:29:59.7	37.1347	-116.0408	-0.15	9.7		NACU	Owens	G+P
07/26/57	08:00:00.0	37.0518	-116.0334	0.15	0	20	NUCU	Pascal-A	AEC
08/07/57	12:25:00.2	37.0867	-116.0236	-0.46	19		NACU	Stokes	G+P
08/10/57	00:59:55.1	37.1939	-116.0333		0	0	NUCU	Saturn	G+P
08/18/57	12:00:00.0	37.1280	-116.1064	-0.15	17		NACU	Shasta	G+P
08/23/57	12:30:00.1	37.0867	-116.0236	-0.46	11		NACU	Doppler	G+P
08/27/57	22:35:00.0	37.0491	-116.0340	0.15	0	20	NUCU	Pascal-B	AEC
08/30/57	12:39:59.9	37.0867	-116.0236	-0.23	4.7		NACU	Franklin Prime	G+P
08/31/57	12:30:00.0	37.1872	-116.0678	-0.21	44		NACU	Smoky	G+P
09/02/57	12:40:00.0	37.0531	-116.1025	-0.15	11		NACU	Galileo	G+P
09/06/57	12:45:00.0	37.1347	-116.0408	-0.15	.197		NACU	Wheeler	G+P
09/06/57	20:05:00.6	37.0000	-116.0000		.3		NACU	Coulomb-B	G+P
09/08/57	12:59:59.8	37.0867	-116.0236	-0.23	1		NACU	Laplace	G+P
09/14/57	16:44:59.8	37.0336	-116.0314	-0.15	11		NACU	Fizeau	G+P
09/16/57	12:49:59.9	37.0867	-116.0236	-0.46	12		NACU	Newton	G+P
09/19/57	16:59:59.5	37.1958	-116.2031	0.24	1.7		NUCU	Rainier	G+P

09/23/57	12:29:59.8	37.1383	-116.1175	-0.15	19		NACU	Whitney	G+P
09/28/57	12:59:59.9	37.1347	-116.0408	-0.46	12		NACU	Charleston	G+P
10/07/57	13:00:00.1	37.1347	-116.0408	-0.15	8		NACU	Morgan	G+P
12/06/57	20:15:00.0	37.0499	-116.0309	0.08	0	20	NUCU	Pascal-C	AEC
12/09/57	00:00:00.0	37.0000	-116.0000	0.00	.5		NACU	Coulomb-C	NV209
02/22/58	00:00:00.0	37.0000	-116.0000	0.00		.001	NUCU	Venus	NV209
03/14/58	00:00:00.0	37.0000	-116.0000	0.00		.001	NUCU	Uranus	NV209
04/28/58	02:40:00.3	12.6167	168.0250	-26.21	1.7		NACU	Yucca	G+P
05/05/58	18:15:00.1	11.5564	162.3542		18		NACU	Cactus	G+P
05/11/58	17:50:00.1	11.6908	165.2736		1360		NACU	Fir	G+P
05/11/58	18:15:00.1	11.5411	162.3506		81		NACU	Butternut	G+P
05/12/58	18:30:00.1	11.6750	162.2056		1370		NACU	Koa	G+P
05/16/58	01:30:00.5	11.3447	162.1789	0.15	9		NWCU	Wahoo	G+P
05/20/58	18:30:00.1	11.5439	162.3561		5.9		NACU	Holly	G+P
05/21/58	21:20:00.2	11.4961	165.3708		25.1		NACU	Nutmeg	G+P
05/26/58	02:00:00.1	11.6603	162.2253		330		NACU	Yellowwood	G+P
05/26/58	18:00:00.1	11.5428	162.3539		57		NACU	Magnolia	G+P
05/30/58	02:15:00.2	11.6633	162.2300		11.6		NACU	Tobacco	G+P
05/31/58	03:00:00.1	11.6908	165.2736		92		NACU	Sycamore	G+P
06/02/58	18:45:00.1	11.5411	162.3517		15		NACU	Rose	G+P
06/08/58	18:15:00.2	11.3808	162.2192	0.05	8		NWCU	Umbrella	G+P
06/10/58	17:30:00.1	11.6872	165.4150		213		NACU	Maple	G+P
06/14/58	17:30:00.1	11.6908	165.2733		319		NACU	Aspen	G+P
06/14/58	18:30:00.1	11.6603	162.2253		1450		NACU	Walnut	G+P
06/18/58	03:00:00.1	11.5442	162.3564		11		NACU	Linden	G+P
06/27/58	17:30:00.1	11.6872	165.4150		412		NACU	Redwood	G+P
06/27/58	18:30:00.1	11.6633	162.2300		880		NACU	Elder	G+P
06/28/58	19:30:00.1	11.6078	162.1078		8900		NACU	Oak	G+P
06/29/58	00:00:00.1	11.4961	162.3708		14		NACU	Hickory	G+P

07/01/58	18:30:00.1	11.5442	162.3564		5.2		NACU	Sequoia	G+P
07/02/58	17:30:00.1	11.6908	165.2736		220		NACU	Cedar	G+P
07/05/58	18:30:00.2	11.6633	162.2300		397		NACU	Dogwood	G+P
07/12/58	03:30:00.1	11.6881	165.2644		9300		NACU	Poplar	G+P
07/14/58	00:00:00.0	11.0000	162.0000	0.00	0	0	NACU	Scaevola	NV209
07/17/58	00:00:00.0	11.0000	162.0000	0.00	255		NACU	Pisonia	NV209
07/22/58	04:20:00.1	11.4961	165.3708		65		NACU	Juniper	G+P
07/22/58	20:30:00.2	11.6633	162.2300		202		NACU	Olive	G+P
07/26/58	20:30:00.2	11.6561	162.2197		2000		NACU	Pine	G+P
08/01/58	10:50:05.6	16.7439	-169.5333	-76.81	3800		NACU	Teak	G+P
08/06/58	00:00:00.0	11.0000	162.0000	0.00	0	0	NACU	Quince	NV209
08/12/58	10:30:08.6	16.3583	-169.5356	-42.98	3800		NACU	Orange	G+P
08/18/58	00:00:00.0	11.0000	162.0000	0.00	.02		NACU	Fig	NV209
08/27/58	00:00:00.0	-38.5000	-11.5000	0.00	1	2	NACU	Argus I	NV209
08/30/58	00:00:00.0	-49.5000	-8.2000	0.00	1	2	NACU	Argus II	NV209
09/06/58	00:00:00.0	-48.5000	-9.7000	0.00	1	2	NACU	Argus III	NV209
09/12/58	20:00:00.2	37.0500	-116.0319	0.15	.038		NUCU	Otero	G+P
09/17/58	19:30:00.2	37.0494	-116.0330	0.15	.015		NUCU	Bernalillo	G+P
09/19/58	14:00:00.2	37.0867	-116.0236	-0.15	.083		NACU	Eddy	G+P
09/21/58	19:00:00.2	37.0492	-116.0336	0.15	.0015		NUCU	Luna	G+P
09/23/58	00:00:00.0	37.0000	-116.0000	0.00	0	20	NUCU	Mercury	NV209
09/26/58	20:00:00.2	37.0497	-116.0297	0.15	.002		NUCU	Valencia	G+P
09/28/58	00:00:00.2	37.1931	-116.2006		.013		NUCU	Mars	G+P
09/29/58	14:05:00.1	37.0867	-116.0236	-0.46	2		NACU	Mora	G+P
10/05/58	14:10:00.1	37.0867	-116.0236	-0.11	.077		NACU	Hidalgo	G+P
10/05/58	16:15:00.2	37.0489	-116.0342	0.15	.0055		NUCU	Colfax	G+P
10/08/58	22:00:00.1	37.1953	-116.2003	0.10	.072		NUCU	Tamalpais	G+P
10/10/58	14:30:00.1	37.0947	-116.0236	-0.03	.079		NACU	Quay	G+P
10/13/58	13:20:00.1	37.0867	-116.0236	-0.46	1.4		NACU	Lea	G+P

10/14/58	18:00:00.2	37.1939	-116.1997	0.03		.115		NUCU	Neptune	G+P
10/15/58	16:00:00.2	36.8022	-115.9322	-0.02		.0012		NACU	Hamilton	G+P
10/16/58	06:00:00.1	37.1842	-116.2011	0.25		5		NUCU	Logan	G+P
10/16/58	14:20:00.1	37.0867	-116.0236	-0.15		.037		NACU	Dona Ana	G+P
10/17/58	23:00:00.2	37.1225	-116.0347			.024		NACU	Vesta	G+P
10/18/58	14:25:00.1	37.0411	-116.0258	-0.02		.09		NACU	Rio Arriba	G+P
10/20/58	14:30:00.2	37.0447	-116.0297	-0.02		0	0	NUCU	San Juan	G+P
10/22/58	00:00:00.0	37.0000	-116.0000	0.00		0	0	NACU	Oberon	NV209
10/22/58	13:30:00.2	37.0867	-116.0236	-0.46		6		NACU	Socorro	G+P
10/22/58	16:50:00.1	36.7981	-115.9289	-0.46		.115		NACU	Wrangell	G+P
10/22/58	23:40:00.1	37.1347	-116.0408	-0.15		.188		NACU	Rushmore	G+P
10/24/58	15:00:00.2	37.0431	-116.0269	-0.02		.021		NACU	Catron	G+P
10/24/58	16:01:00.2	37.1233	-116.0378			.0017		NACU	Juno	G+P
10/26/58	04:00:00.2	37.1814	-116.0686	-0.01		.0007		NACU	Ceres	G+P
10/26/58	10:20:00.1	36.7981	-115.9289	-0.46		4.9		NACU	Sanford	G+P
10/26/58	16:00:00.1	37.0867	-116.0236	-0.46		2.2		NACU	De Baca	G+P
10/27/58	00:00:00.0	37.0000	-116.0000	0.00		.0006		NACU	Chavez	NV209
10/29/58	00:00:00.0	37.0000	-116.0000	0.00		0	0	NACU	Mazama	NV209
10/29/58	00:00:00.2	37.1947	-116.2047	0.26		.055		NUCU	Evans	G+P
10/29/58	14:45:00.1	37.0478	-116.0247	-0.01		.0078		NACU	Humboldt	G+P
10/30/58	00:00:00.0	37.0000	-116.0000	0.00		0	0	NACU	Ganymede	NV209
10/30/58	03:00:00.1	37.0867	-116.0236	-0.46		1.3		NACU	Santa Fe	G+P
10/30/58	15:00:00.2	37.1858	-116.2019	0.25		22		NUCU	Blanca	G+P
10/30/58	20:34:00.2	37.1772	-116.0692	-0.01		.0002		NACU	Titania	G+P
09/15/61	17:00:00.1	37.1879	-116.2078	0.40	4.70	2.6		NUCU	Antler	SPRINGER
09/16/61	19:45:00.1	37.0484	-116.0328	0.10			20	NUCU	Shrew	SPRINGER
10/01/61	22:30:00.1	37.0483	-116.0345	0.10			20	NUCU	Boomer	AEC
10/10/61	18:00:00.1	37.1943	-116.2070	0.26			20	NUCU	Chena	SPRINGER
10/29/61	18:30:00.1	37.0486	-116.0311	0.19			20	NUCU	Mink	SPRINGER

12/03/61	23:04:59.6	37.0459	-116.0277	0.36			13.4	NUCU	Fisher	SPRINGER
12/10/61	19:00:00.0	32.2636	-103.8658	0.36			3	NUCU	Gnome	SPRINGER
12/13/61	18:00:00.2	37.1266	-116.0488	0.18	3.40	.5		NUCU	Mad	SPRINGER
12/17/61	16:35:00.1	37.0432	-116.0253	0.36			20	NUCU	Ringtail	SPRINGER
12/22/61	16:30:00.1	37.1949	-116.2083	0.25		.15		NUCU	Feather	SPRINGER
01/09/62	16:30:00.1	37.0446	-116.0351	0.30	4.20	5.1		NUCU	Stoat	SPRINGER
01/18/62	18:00:00.1	37.0473	-116.0344	0.26	4.50	6.4		NUCU	Agouti	SPRINGER
01/30/62	18:00:00.1	37.0468	-116.0395	0.36			20	NUCU	Dormouse	SPRINGER
02/08/62	18:00:00.2	37.1273	-116.0527	0.18		3.07		NUCU	Stillwater	SPRINGER
02/09/62	16:30:00.1	37.0436	-116.0389	0.24		7.1		NUCU	Armadillo	SPRINGER
02/15/62	18:00:00.1	37.2263	-116.0593	0.29		5.7		NUCU	Hard Hat	SPRINGER
02/19/62	16:30:00.1	37.0491	-116.0295	0.15	4.20	1.9		NUCU	Chinchilla	SPRINGER
02/19/62	17:50:00.2	37.1274	-116.0371	0.21			20	NUCU	Codsaw	SPRINGER
02/23/62	18:00:00.2	37.1289	-116.0483	0.30		11.9		NUCU	Cimarron	SPRINGER
02/24/62	16:30:00.1	37.0483	-116.0319	0.06			20	NUCU	Platypus	SPRINGER
03/05/62	18:15:00.1	37.1111	-116.3649	0.03	3.60	.43		NUCU	Danny Boy	SPRINGER
03/06/62	16:30:00.1	37.0484	-116.0337	0.07			20	NUCU	Ermine	SPRINGER
03/08/62	18:00:00.2	37.1222	-116.0489	0.26		8.4		NUCU	Brazos	SPRINGER
03/15/62	16:30:00.1	37.0440	-116.0310	0.24			20	NUCU	Hognose	SPRINGER
03/28/62	18:00:00.2	37.1243	-116.0339	0.19		3.4		NUCU	Hoosic	SPRINGER
03/31/62	18:00:00.1	37.0469	-116.0369	0.14			20	NUCU	Chinchilla II	SPRINGER
04/05/62	18:00:00.1	37.0445	-116.0235	0.26	4.30	10.6		NUCU	Dormouse Prime	SPRINGER
04/06/62	18:00:00.2	37.1177	-116.0440	0.23			20	NUCU	Passaic	SPRINGER
04/12/62	18:00:00.2	37.1272	-116.0449	0.15			20	NUCU	Hudson	SPRINGER
04/14/62	18:00:00.1	37.2220	-116.1574	0.19		1.85		NUCU	Platte	SPRINGER
04/21/62	18:40:00.2	37.1190	-116.0315	0.19			20	NUCU	Dead	SPRINGER
04/25/62	00:00:00.0	2.0000	-157.0000	0.00			190	NACU	Adobe	NV209
04/27/62	00:00:00.0	2.0000	-157.0000	0.00			410	NACU	Aztec	NV209
04/27/62	18:00:00.2	37.1184	-116.0378	0.22			20	NUCU	Black	SPRINGER

05/02/62	00:00:00.0	2.0000	-157.0000	0.00		1090		NACU	Arkansas	NV209
05/04/62	00:00:00.0	2.0000	-157.0000	0.00		670		NACU	Questa	NV209
05/06/62	00:00:00.0	4.8333	-149.4167	0.00				NACU	Frigate Bird	NV209
05/07/62	19:33:00.1	37.0466	-116.0250	0.26			20	NUCU	Paca	SPRINGER
05/08/62	00:00:00.0	2.0000	-157.0000	0.00		100		NACU	Yukon	NV209
05/09/62	00:00:00.0	2.0000	-157.0000	0.00		100		NACU	Mesilla	NV209
05/10/62	15:00:00.2	37.1276	-116.0483	0.17			20	NUCU	Arikaree	AEC
05/11/62	00:00:00.0	2.0000	-157.0000	0.00		50		NACU	Muskegon	NV209
05/11/62	20:02:05.9	31.2450	-124.2117	0.20			20	NWCU	Swordfish	JOHNSON
05/12/62	00:00:00.0	2.0000	-157.0000	0.00		500		NACU	Encino	NV209
05/12/62	19:00:00.1	37.0652	-116.0304	0.43	4.60	40		NUCU	Aardvark	SPRINGER
05/14/62	00:00:00.0	2.0000	-157.0000	0.00		97		NACU	Swanee	NV209
05/19/62	00:00:00.0	2.0000	-157.0000	0.00		73		NACU	Chetco	NV209
05/19/62	15:00:00.2	37.1226	-116.0472	0.22		4.5		NUCU	Eel	SPRINGER
05/25/62	00:00:00.0	2.0000	-157.0000	0.00		2.6		NACU	Tanana	NV209
05/25/62	15:00:00.2	37.1248	-116.0520	0.19			20	NUCU	White	SPRINGER
05/27/62	00:00:00.0	2.0000	-157.0000	0.00		43		NACU	Nambe	NV209
06/01/62	17:00:00.1	37.0456	-116.0345	0.16			20	NUCU	Raccoon	SPRINGER
06/06/62	17:00:00.1	37.0457	-116.0393	0.26			20	NUCU	Packrat	SPRINGER
06/08/62	00:00:00.0	2.0000	-157.0000	0.00		782		NACU	Alma	NV209
06/09/62	00:00:00.0	2.0000	-157.0000	0.00		210		NACU	Truckee	NV209
06/10/62	00:00:00.0	2.0000	-157.0000	0.00		3000		NACU	Yeso	NV209
06/12/62	00:00:00.0	2.0000	-157.0000	0.00		1200		NACU	Harlem	NV209
06/13/62	21:00:00.1	37.2222	-116.1621	0.20		2.9		NUCU	Des Moines	SPRINGER
06/15/62	00:00:00.0	2.0000	-157.0000	0.00		800		NACU	Rinconada	NV209
06/17/62	00:00:00.0	2.0000	-157.0000	0.00		52		NACU	Dulce	NV209
06/19/62	00:00:00.0	2.0000	-157.0000	0.00		2.2		NACU	Petit	NV209
06/21/62	17:00:00.1	37.0431	-116.0303	0.26			20	NUCU	Daman I	SPRINGER
06/22/62	00:00:00.0	2.0000	-157.0000	0.00		81.5		NACU	Otowi	NV209

06/27/62	00:00:00.0	2.0000	-157.0000	0.00				7650	NACU	Bighorn	NV209	
06/27/62	18:00:00.1	37.0416	-116.0353	0.41	4.90			67	NUCU	Haymaker	SPRINGER	
06/28/62	17:00:00.1	37.0091	-116.2011	0.31				20	NUCU	Marshmallow	SPRINGER	
06/30/62	00:00:00.0	2.0000	-157.0000	0.00				1270	NACU	Bluestone	NV209	
06/30/62	21:30:00.2	37.1174	-116.0474	0.15				20	NUCU	Sacramento	SPRINGER	
07/06/62	17:00:00.1	37.1770	-116.0454	0.19	4.40			104	NUCU	Sedan	SPRINGER	
07/07/62	00:00:00.0	37.0000	-116.0000	0.00				20	NACU	Little Feller II	NV209	
07/09/62	00:00:00.0	17.0000	-169.0000	0.00				1400	NACU	Starfish Prime	NV209	
07/10/62	00:00:00.0	2.0000	-157.0000	0.00				1000	NACU	Sunset	NV209	
07/11/62	00:00:00.0	2.0000	-157.0000	0.00				3880	NACU	Pamlico	NV209	
07/11/62	16:45:00.1	37.1224	-116.3330	0.00				.5	NUCU	Johnnie Boy	SPRINGER	
07/13/62	16:00:00.2	37.0551	-116.0334	0.41	4.40			20	200	NUCU	Merrimac	SPRINGER
07/14/62	00:00:00.0	37.0000	-116.0000	0.00	3.70				20	NACU	Small Boy	NV209
07/17/62	00:00:00.0	37.0000	-116.0000	0.00					20	NACU	Little Feller I	NV209
07/27/62	21:00:00.2	37.1297	-116.0565	0.15	4.30				20	NUCU	Wichita	SPRINGER
08/24/62	15:00:00.2	37.1186	-116.0395	0.23	4.40				20	NUCU	York	SPRINGER
08/24/62	17:00:00.1	37.0461	-116.0238	0.21	4.20				20	NUCU	Bobac	SPRINGER
09/06/62	17:00:00.2	37.1303	-116.0447	0.16					20	NUCU	Raritan	AEC
09/14/62	17:10:00.1	37.0439	-116.0211	0.22	4.40				20	NUCU	Hyrax	SPRINGER
09/20/62	17:10:00.1	37.0551	-116.0293	0.24					20	NUCU	Peba	SPRINGER
09/29/62	17:00:00.2	37.1167	-116.0328	0.21					20	NUCU	Allegheny	SPRINGER
10/02/62	00:00:00.0	17.0000	-169.0000	0.00					75	NACU	Androscoggin	NV209
10/05/62	17:00:00.2	37.1394	-116.0503	0.49	5.06				115	NUCU	Mississippi	SPRINGER
10/06/62	00:00:00.0	17.0000	-169.0000	0.00					11.3	NACU	Bumping	NV209
10/12/62	15:00:00.2	37.1228	-116.0508	0.18					20	NUCU	Roanoke	SPRINGER
10/12/62	17:00:00.1	37.0488	-116.0326	0.07					20	NUCU	Wolverine	AEC
10/18/62	00:00:00.0	17.0000	-169.0000	0.00					1590	NACU	Chama	NV209
10/18/62	15:00:00.1	37.1285	-116.0402	0.06					20	NUCU	Tioga	AEC
10/19/62	18:00:00.1	37.0395	-116.0211	0.24					12.5	NUCU	Bandicoot	SPRINGER

10/20/62	00:00:00.0	17.0000	-169.0000	0.00		20	NACU	Checkmate	NV209
10/26/62	00:00:00.0	17.0000	-169.0000	0.00	200	1000	NACU	Bluegill 3 Prime	NV209
10/27/62	00:00:00.0	17.0000	-169.0000	0.00	800		NACU	Calamity	NV209
10/27/62	15:00:00.1	37.1493	-116.0535	0.32		20	NUCU	Santee	SPRINGER
10/30/62	00:00:00.0	17.0000	-169.0000	0.00	8300		NACU	Housatonic	NV209
11/01/62	00:00:00.0	17.0000	-169.0000	0.00	200	1000	NACU	Kingfish	NV209
11/04/62	00:00:00.0	17.0000	-169.0000	0.00		20	NACU	Tightrope	NV209
11/09/62	18:00:00.2	37.1638	-116.0733	0.17		20	NUCU	St. Lawrence	AEC
11/15/62	16:30:00.1	37.0418	-116.0239	0.24		20	NUCU	Gundi	AEC
11/27/62	18:00:00.1	37.1228	-116.0290	0.23		20	NUCU	Anacostia	SPRINGER
12/04/62	16:00:00.1	37.1281	-116.0500	0.23		20	NUCU	Taunton	AEC
12/12/62	17:25:00.1	37.1687	-116.2061	0.40		20	NUCU	Madison	SPRINGER
12/12/62	18:45:00.1	37.0461	-116.0156	0.23		20	NUCU	Numbat	SPRINGER
12/14/62	18:00:00.2	37.1242	-116.0400	0.06		20	NUCU	Manatee	AEC
02/08/63	16:00:00.2	37.1489	-116.0519	0.30		20	NUCU	Casselman	SPRINGER
02/08/63	16:00:01.2	37.1260	-116.0387	0.06		20	NUCU	Hatchie	AEC
02/08/63	18:30:00.1	37.0461	-116.0211	0.26		20	NUCU	Acushi	SPRINGER
02/08/63	18:30:00.1	37.0583	-116.0293	0.33		20	NUCU	Ferret	AEC
02/15/63	17:00:00.1	37.0490	-116.0318	0.06		20	NUCU	Chipmunk	AEC
02/21/63	19:47:00.1	37.1203	-116.0457	0.23		20	NUCU	Kaweah	SPRINGER
02/21/63	19:47:08.6	37.1548	-116.0799	0.16		20	NUCU	Carmel	SPRINGER
03/01/63	19:00:00.1	37.0445	-116.0265	0.30		20	NUCU	Jerboa	AEC
03/15/63	16:22:53.1	37.1258	-116.0448	0.13		20	NUCU	Toyah	AEC
03/29/63	15:49:00.1	37.0417	-116.0184	0.28		20	NUCU	Gerbil	SPRINGER
04/05/63	17:52:00.1	37.0373	-116.0239	0.24		20	NUCU	Ferret Prime	SPRINGER
04/10/63	16:01:30.1	37.0488	-116.0303	0.07		20	NUCU	Coypu	AEC
04/11/63	16:03:00.2	37.1567	-116.0710	0.23		20	NUCU	Cumberland	AEC
04/24/63	16:09:30.1	37.1206	-116.0363	0.18		20	NUCU	Kootanai	AEC
04/24/63	16:09:30.1	37.1205	-116.0362	0.06		20	NUCU	Paisano	AEC

05/09/63	18:19:30.1	37.0494	-116.0156	0.27			20	NUCU	Gundi Prime	AEC			
05/15/63	00:00:00.0	37.0000	-115.0000	0.00		0	0	NACU	Double Tracks	NV209			
05/17/63	14:55:00.1	37.0439	-116.0156	0.24			20	NUCU	Harkee	AEC			
05/17/63	14:55:00.1	37.0483	-116.0324	0.07			20	NUCU	Tejon	AEC			
05/22/63	15:40:00.1	37.1111	-116.0391	0.39	4.84		20	200	NUCU	Stones	SPRINGER		
05/25/63	00:00:00.0	37.0000	-115.0000	0.00			0	0	NACU	Clean Slate I	NV209		
05/29/63	15:03:30.2	37.1281	-116.0425	0.21				20	NUCU	Pleasant	AEC		
05/31/63	00:00:00.0	37.0000	-115.0000	0.00			0	0	NACU	Clean Slate II	NV209		
06/05/63	17:00:00.1	37.1966	-116.2092	0.24	4.36			3.1	NUCU	Yuba	SPRINGER		
06/06/63	14:00:00.1	37.0450	-116.0364	0.13				20	NUCU	Hutia	SPRINGER		
06/06/63	16:58:00.2	37.1247	-116.0400	0.09				20	NUCU	Apshapa	AEC		
06/09/63	00:00:00.0	37.0000	-115.0000	0.00				0	0	NACU	Clean Slate III	NV209	
06/14/63	14:10:00.1	37.0461	-116.0184	0.20				20	NUCU	Mataco	SPRINGER		
06/25/63	23:00:00.2	37.1314	-116.0681	0.23				20	NUCU	Kennebec	SPRINGER		
08/12/63	23:45:00.1	37.0417	-116.0156	0.30				20	NUCU	Pekan	SPRINGER		
08/15/63	13:00:00.2	37.1541	-116.0766	0.23				20	NUCU	Satsop	SPRINGER		
08/23/63	13:20:00.1	37.1250	-116.0354	0.25				40	NUCU_SALVO	Kohocton	SPRINGER		
09/13/63	13:53:00.2	37.1634	-116.0806	0.23				20	NUCU	Ahtanum	SPRINGER		
09/13/63	17:00:00.1	37.0604	-116.0217	0.71	5.80			249	NUCU	Bilby	SPRINGER		
09/27/63	00:00:00.0	37.0000	-116.0000	0.00				20	NUCU	Narraguagus	NV209		
09/27/63	00:00:00.0	37.0000	-116.0000	0.00				20	NUCU	Carp	NV209		
10/11/63	14:00:00.1	37.0373	-116.0212	0.26				20	NUCU	Grunion	SPRINGER		
10/11/63	14:00:00.2	37.1187	-116.0339	0.15				20	NUCU	Tornillo	SPRINGER		
10/16/63	17:00:00.1	37.1982	-116.2295	0.55	5.30			20	200	NUCU	Clearwater	SPRINGER	
10/17/63	00:00:00.0	37.0000	-116.0000	0.00					20	NUCU	Mullet	NV209	
10/26/63	17:00:00.1	39.2002	-118.3803	0.37	4.90				12	NUCU	Shoal	SPRINGER	
11/14/63	16:00:00.1	37.0395	-116.0184	0.26					20	NUCU	Anchovy	SPRINGER	
11/15/63	15:00:00.2	37.1323	-116.0469	0.17					20	NUCU	Mustang	SPRINGER	
11/22/63	17:30:00.1	37.1193	-116.0452	0.30					20	200	NUCU	Greys	SPRINGER

12/04/63	16:38:30.1	37.0396	-116.0294	0.26			40	NUCU_SALVO	Barracuda	SPRINGER
12/12/63	16:02:00.2	37.1310	-116.0439	0.16		5.3		NUCU	Eagle	SPRINGER
12/20/63	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Tuna	NV209
01/16/64	16:00:00.2	37.1423	-116.0491	0.49	5.20	20	200	NUCU	Fore	SPRINGER
01/23/64	16:00:00.2	37.1264	-116.0363	0.26	4.20	10.5		NUCU	Oconto	SPRINGER
01/30/64	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Club	NV209
02/12/64	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Solendon	NV209
02/13/64	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Bunker	NV209
02/18/64	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Mackerel	NV209
02/18/64	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Bonefish	NV209
02/20/64	15:30:00.1	37.1509	-116.0401	0.49	5.10	20	200	NUCU	Klickitat	SPRINGER
03/12/64	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Handicap	NV209
03/13/64	16:02:00.1	37.0505	-116.0115	0.11			20	NUCU	Pike	SPRINGER
04/14/64	14:40:00.1	37.1289	-116.0298	0.20			20	NUCU	Hook	SPRINGER
04/15/64	14:30:00.1	37.0439	-116.0184	0.15			20	NUCU	Sturgeon	SPRINGER
04/17/64	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Bogey	NV209
04/24/64	20:10:00.2	37.1496	-116.0554	0.51	5.20	20	200	NUCU	Turf	SPRINGER
04/29/64	20:47:00.1	37.0396	-116.0266	0.26	4.10		20	NUCU	Pipefish	SPRINGER
05/07/64	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Driver	NV209
05/14/64	14:40:00.2	37.1173	-116.0389	0.16			20	NUCU	Backswing	SPRINGER
05/15/64	16:15:00.1	37.0417	-116.0122	0.24			20	NUCU	Minnow	SPRINGER
06/11/64	16:45:00.2	37.1486	-116.0760	0.26			20	NUCU	Ace	SPRINGER
06/12/64	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Bitterling	NV209
06/18/64	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Duffer	NV209
06/25/64	13:30:00.1	37.1111	-116.0288	0.21			20	NUCU	Fade	SPRINGER
06/30/64	13:33:00.1	37.1744	-116.0564	0.26			20	NUCU	Dub	SPRINGER
07/16/64	13:15:00.2	37.1822	-116.0454	0.39		20	200	NUCU	Bye	SPRINGER
07/23/64	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Links	NV209
07/24/64	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Trogon	NV209

08/19/64	16:00:00.1	37.1590	-116.0831	0.17		4.4			NUCU	Alva	SPRINGER
08/22/64	22:17:00.1	37.0653	-116.0154	0.45			20		NUCU	Canvasback	SPRINGER
08/27/64	00:00:00.0	37.0000	-116.0000	0.00			20		NUCU	Player	NV209
08/28/64	17:06:00.0	37.0670	-116.0223	0.36			20		NUCU	Haddock	SPRINGER
09/04/64	18:15:00.1	37.0176	-116.0227	0.26			20		NUCU	Guanay	SPRINGER
09/11/64	00:00:00.0	37.0000	-116.0000	0.00			20		NUCU	Spoon	NV209
10/02/64	20:03:00.0	37.0779	-116.0085	0.45	4.89		20		NUCU	Auk	SPRINGER
10/09/64	14:00:00.1	37.1513	-116.0770	0.41	4.80	38			NUCU	Par	SPRINGER
10/16/64	15:59:30.0	37.0395	-116.0157	0.26			40		NUCU_SALVO	Barbel	SPRINGER
10/22/64	16:00:00.0	31.1421	-89.5699	0.83	4.60	5.3			NUCU	Salmon	SPRINGER
10/23/64	00:00:00.0	37.0000	-116.0000	0.00			20		NUCU	Garden	NV209
10/31/64	17:04:58.6	37.1072	-116.0323	0.39			20		NUCU	Forest	SPRINGER
11/05/64	15:00:00.1	37.1744	-116.0670	0.40	4.80	12			NUCU	Handcar	SPRINGER
12/05/64	21:15:00.0	37.1343	-116.0697	0.22		2.4	19		NUCU_SALVO	Drill (Target-Upper)	AEC
12/05/64	21:15:00.1	37.1144	-116.0534	0.40	4.80	20	200		NUCU	Crepe	SPRINGER
12/16/64	00:00:00.0	37.0000	-116.0000	0.00			40		NUCU_SALVO	Cassowary	NV209
12/16/64	20:00:00.0	37.0348	-116.0123	0.18		1.3			NUCU	Parrot	SPRINGER
12/16/64	20:10:00.1	37.1778	-116.0670	0.15		2.7			NUCU	Mudpack	SPRINGER
12/18/64	19:35:00.1	37.0825	-116.3425	0.03		.092			NUCU	Sulky	SPRINGER
01/14/65	16:00:00.1	37.1190	-116.0248	0.22			20		NUCU	Wool	SPRINGER
01/29/65	00:00:00.0	37.0000	-116.0000	0.00			20		NUCU	Tern	NV209
02/04/65	15:30:00.1	37.1308	-116.0616	0.23			20		NUCU	Cashmere	SPRINGER
02/12/65	15:10:29.5	37.1645	-116.0766	0.22		.33			NUCU	Alpaca	SPRINGER
02/16/65	17:30:00.0	37.0516	-116.0238	0.30		10.1			NUCU	Merlin	SPRINGER
02/18/65	16:18:47.2	36.8180	-115.9492	0.18	4.54		20		NUCU	Wishbone	SPRINGER
02/19/65	00:00:00.0	37.0000	-116.0000	0.00			20		NUCU	Seersucker	NV209
03/03/65	19:13:00.0	37.0645	-116.0372	0.75	5.33	20	200		NUCU	Wagtail	SPRINGER
03/20/65	00:00:00.0	37.0000	-116.0000	0.00			20		NUCU	Suede	NV209
03/26/65	15:34:08.2	37.1476	-116.0429	0.54	5.25	20	200		NUCU	Cup	SPRINGER

04/05/65	21:00:00.0	37.0258	-116.0226	0.45			20	NUCU	Kestrel	SPRINGER
04/14/65	13:14:00.1	37.2804	-116.5236	0.09	4.33	4.3		NUCU	Palanquin	SPRINGER
04/21/65	22:00:00.0	37.0072	-116.2021	0.30	5.00		20	NUCU	Gum Drop	SPRINGER
04/22/65	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Chenille	NV209
04/23/65	21:44:00.0	37.0174	-115.9953	0.32			20	NUCU	Muscovy	AEC
05/07/65	15:47:11.2	37.1404	-116.0666	0.18		7		NUCU	Tee	SPRINGER
05/12/65	18:15:00.1	37.2427	-116.4309	0.70			20	NUCU	Buteo	SPRINGER
05/14/65	14:57:52.2	36.8234	-115.9668	0.29		.75		NUCU	Cambric	AEC
05/14/65	17:32:36.2	37.0588	-116.0105	0.43			20	NUCU	Scaup	SPRINGER
05/21/65	13:08:52.1	37.1186	-116.0277	0.28			20	NUCU	Tweed	SPRINGER
06/11/65	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Organdy	NV209
06/11/65	19:45:00.0	37.0428	-116.0170	0.18		1.3		NUCU	Petrel	SPRINGER
06/16/65	16:30:00.2	36.8181	-115.9561	0.19	4.48		20	NUCU	Diluted Waters	SPRINGER
06/17/65	17:00:00.1	37.2234	-116.0570	0.11			20	NUCU	Tiny Tot	SPRINGER
07/16/65	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Izzer	NV209
07/22/65	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Pongee	NV209
07/23/65	17:00:00.0	37.0978	-116.0330	0.53	5.40	20	200	NUCU	Bronze	SPRINGER
08/06/65	17:23:30.0	37.0177	-116.0398	0.32			20	NUCU	Mauve	SPRINGER
08/21/65	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Ticking	NV209
08/27/65	13:51:13.1	37.1373	-116.0701	0.17			20	NUCU	Centaur	SPRINGER
09/01/65	20:08:00.0	37.0230	-116.0090	0.30	4.20		40	NUCU_SALVO	Moa	SPRINGER
09/17/65	15:08:23.1	37.1110	-116.0346	0.22			20	NUCU	Elkhart	SPRINGER
10/29/65	21:00:00.1	51.4381	179.1826	0.70	6.10	80		NUCU	Long Shot	SPRINGER
11/12/65	18:00:00.1	37.0500	-116.0221	0.24			20	NUCU	Sepia	SPRINGER
11/23/65	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Kermet	NV209
12/03/65	15:13:02.1	37.1648	-116.0523	0.68	5.62	20	200	NUCU	Corduroy	SPRINGER
12/16/65	15:39:18.2	37.1408	-116.0632	0.26			20	NUCU	Emerson	SPRINGER
12/16/65	19:15:00.0	37.0726	-116.0291	0.50	5.30	20	200	NUCU	Buff	SPRINGER
01/13/66	15:37:43.1	37.1162	-116.0275	0.18			20	NUCU	Maxwell	SPRINGER

01/18/66	00:00:00.0	37.0000	-116.0000	0.00		20	NUCU	Sienna	NV209	
01/18/66	18:35:00.0	37.0917	-116.0187	0.56	5.20	20	200	NUCU	Lampblack	SPRINGER
01/21/66	18:28:00.0	37.0317	-116.0158	0.33		20		NUCU	Dovekie	SPRINGER
01/22/66	00:00:00.0	37.0000	-116.0000	0.00		20		NUCU	Reo	NV209
02/03/66	18:17:37.1	37.1263	-116.0695	0.27	4.30	20		NUCU	Plaid II	SPRINGER
02/24/66	15:55:07.0	37.2718	-116.4338	0.67	5.00	19		NUCU	Rex	SPRINGER
03/05/66	18:15:00.1	37.1745	-116.2084	0.41	4.11	20		NUCU	Red Hot	SPRINGER
03/07/66	18:41:00.1	37.0374	-116.0294	0.20		40		NUCU_SALVO	Finfoot	SPRINGER
03/12/66	18:04:13.1	37.1437	-116.0525	0.40		20		NUCU	Clymer	SPRINGER
03/18/66	19:00:00.0	37.0093	-116.0091	0.33		20		NUCU	Purple	SPRINGER
03/24/66	14:55:28.1	37.1133	-116.0314	0.15		20		NUCU	Templar	SPRINGER
04/01/66	18:40:00.0	37.1027	-116.0199	0.56		20		NUCU	Lime	SPRINGER
04/06/66	13:57:17.1	37.1395	-116.1409	0.23	4.45	20		NUCU	Stutz	SPRINGER
04/07/66	22:27:30.0	37.0174	-115.9922	0.23		20		NUCU	Tomato	SPRINGER
04/14/66	14:13:43.1	37.2427	-116.4309	0.54	5.40	70		NUCU	Duryea	SPRINGER
04/23/66	00:00:00.0	37.0000	-116.0000	0.00		1.4		NUCU	Fenton	NV209
04/25/66	18:38:00.1	36.8874	-115.9407	0.30	4.51	20		NUCU	Pin Stripe	SPRINGER
04/29/66	00:00:00.0	37.0000	-116.0000	0.00		20		NUCU	Ochre	NV209
05/04/66	13:32:17.1	37.1371	-116.1371	0.20	5.50	20		NUCU	Traveler	SPRINGER
05/05/66	14:00:00.0	37.0506	-116.0379	0.31	4.40	12		NUCU	Cyclamen	SPRINGER
05/06/66	15:00:00.1	37.3480	-116.3219	0.67	5.50	73		NUCU	Chartreuse	SPRINGER
05/12/66	19:37:26.2	37.1343	-116.0711	0.25	4.30	20		NUCU	Tapestry	SPRINGER
05/13/66	13:30:00.0	37.0869	-116.0334	0.55	5.60	20	200	NUCU	Piranha	SPRINGER
05/19/66	13:56:28.1	37.1111	-116.0579	0.67	5.90	20	200	NUCU	Dumont	SPRINGER
05/27/66	20:00:00.0	37.1784	-116.0978	0.34	5.10	22		NUCU	Discus Thrower	SPRINGER
06/02/66	15:30:00.1	37.2271	-116.0555	0.46	5.60	62		NUCU	Pile Driver	SPRINGER
06/03/66	14:00:00.0	37.0684	-116.0353	0.56	5.70	20	200	NUCU	Tan	SPRINGER
06/10/66	14:30:00.0	37.0594	-116.0388	0.49		20		NUCU	Puce	SPRINGER
06/15/66	17:00:00.0	37.0097	-116.2024	0.33		20		NUCU	Double Play	SPRINGER

06/15/66	18:02:47.1	37.1715	-116.0489	0.45		20	200	NUCU	Kankakee	SPRINGER
06/25/66	17:13:00.1	37.1553	-116.0722	0.32		25		NUCU	Vulcan	SPRINGER
06/30/66	22:15:00.1	37.3158	-116.2990	0.82	6.10	365		NUCU	Halfbeak	SPRINGER
07/28/66	15:33:30.1	37.1403	-116.0989	0.15			20	NUCU	Saxon	SPRINGER
08/10/66	13:16:00.1	37.1687	-116.0477	0.20			20	NUCU	Rovena	SPRINGER
08/12/66	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Tangerine	NV209
09/12/66	15:30:00.5	36.8769	-115.9506	0.26	4.60	7.8		NUCU	Derringer	SPRINGER
09/23/66	18:00:00.0	37.0209	-116.0364	0.56			20	NUCU	Daiquiri	SPRINGER
09/29/66	14:45:30.1	37.1687	-116.0461	0.23	4.10		20	NUCU	Newark	SPRINGER
10/15/66	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Khaki	NV209
11/05/66	14:45:00.0	37.1699	-116.0472	0.20			20	NUCU	Simms	SPRINGER
11/11/66	12:00:00.1	37.1344	-116.0498	0.24			20	NUCU	Ajax	SPRINGER
11/18/66	15:02:00.0	37.0428	-116.0103	0.21			20	NUCU	Cerise	SPRINGER
11/22/66	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Vigil	NV209
12/03/66	12:15:00.1	31.1421	-89.5699	0.83		.38		NUCU	Sterling	SPRINGER
12/13/66	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Sidecar	NV209
12/13/66	21:00:00.1	36.8773	-115.9379	0.24	4.60		20	NUCU	New Point	SPRINGER
12/20/66	15:30:00.1	37.3021	-116.4083	1.22	6.30	870		NUCU	Greeley	SPRINGER
01/18/67	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Rivet I	NV209
01/19/67	16:45:00.1	37.1437	-116.1352	0.37	5.40	39		NUCU	Nash	SPRINGER
01/20/67	17:40:03.4	37.0999	-116.0038	0.56	5.30	20	200	NUCU	Bourbon	SPRINGER
01/26/67	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Rivet II	NV209
02/08/67	15:15:00.1	37.1675	-116.0471	0.26	4.80		20	NUCU	Ward	SPRINGER
02/23/67	18:34:00.0	37.0175	-116.0159	0.30	4.40		20	NUCU	Persimmon	SPRINGER
02/23/67	18:50:00.0	37.1269	-116.0664	0.73	5.80	20	200	NUCU	Agile	SPRINGER
03/02/67	15:00:00.0	37.1659	-116.0487	0.27	4.20		20	NUCU	Rivet III	SPRINGER
03/03/67	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Mushroom	NV209
03/10/67	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Fizz	NV209
04/04/67	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Oakland	NV209

04/06/67	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Heilman	NV209
04/07/67	15:00:00.0	37.0544	-116.0222	0.27	3.90		20	NUCU	Fawn	SPRINGER
04/21/67	15:09:00.0	37.0193	-116.0374	0.24	4.30		20	NUCU	Chocolate	SPRINGER
04/27/67	14:45:00.0	37.1388	-116.0632	0.22	3.80		20	NUCU	Effendi	SPRINGER
05/10/67	13:40:00.0	37.0779	-115.9953	0.50	5.00	20	200	NUCU	Mickey	SPRINGER
05/20/67	15:00:00.0	37.1304	-116.0639	0.75	5.90	250		NUCU	Commodore	SPRINGER
05/23/67	14:00:00.0	37.2751	-116.3700	0.98	5.70	155		NUCU	Scotch	SPRINGER
05/26/67	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Absinthe	NV209
05/26/67	15:00:01.5	37.2479	-116.4802	0.63	5.54	76		NUCU	Knickerbocker	SPRINGER
06/22/67	13:10:00.0	37.1256	-116.0287	0.30			20	NUCU	Switch	SPRINGER
06/26/67	16:00:00.0	37.2021	-116.2078	0.38	5.10		20	NUCU	Midi Mist	SPRINGER
06/29/67	11:25:00.0	37.0286	-116.0226	0.31	4.60	10		NUCU	Umber	SPRINGER
07/14/67	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Vito	NV209
07/27/67	13:00:00.0	37.1487	-116.0485	0.48	5.00	20	200	NUCU	Stanley	SPRINGER
08/04/67	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Gibson	NV209
08/10/67	14:10:00.0	37.1567	-116.0473	0.47			20	NUCU	Washer	SPRINGER
08/18/67	20:12:30.0	37.0122	-116.0365	0.33	4.60		20	NUCU	Bordeaux	SPRINGER
08/24/67	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Lexington	NV209
08/31/67	16:30:00.0	37.1776	-116.2089	0.45	5.00		20	NUCU	Door Mist	SPRINGER
09/07/67	13:45:00.0	37.1532	-116.0528	0.52	5.00	20	200	NUCU	Yard	SPRINGER
09/15/67	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Gilroy	NV209
09/21/67	20:45:00.0	37.1660	-116.0384	0.18		2.2		NUCU	Marvel	SPRINGER
09/27/67	17:00:00.0	37.0988	-116.0532	0.67	5.70	20	200	NUCU	Zaza	SPRINGER
10/18/67	14:30:00.0	37.1156	-116.0576	0.72	5.70	20	200	NUCU	Lanpher	SPRINGER
10/25/67	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Cognac	NV209
10/25/67	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Worth	NV209
10/25/67	14:30:00.1	37.0316	-116.0264	0.30			20	NUCU	Sazerac	SPRINGER
11/08/67	15:00:00.0	37.0918	-116.0358	0.67	5.10		20	NUCU	Cobbler	SPRINGER
12/06/67	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Polka	NV209

12/10/67	19:30:00.1	36.6778	-107.2083	1.29	5.10	29		NUCU	Gasbuggy	SPRINGER
12/15/67	15:00:00.0	37.0367	-116.0020	0.33			20	NUCU	Stilt	SPRINGER
01/18/68	16:30:00.0	37.1456	-116.0657	0.25		7.4		NUCU	Hupmobile	SPRINGER
01/19/68	15:00:00.0	37.1564	-116.0539	0.44		20	200	NUCU	Staccato	SPRINGER
01/19/68	18:15:00.1	38.6343	-116.2153	0.98	6.30	200	1000	NUCU	Faultless	SPRINGER
01/24/68	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Brush	NV209
01/26/68	16:00:00.1	37.2809	-116.5144	0.05		2.3		NUCU	Cabriolet	SPRINGER
01/31/68	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Mallet	NV209
02/21/68	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Torch	NV209
02/21/68	15:30:00.0	37.1166	-116.0537	0.64	5.80	20	200	NUCU	Knox	SPRINGER
02/29/68	17:08:30.0	37.1846	-116.2114	0.41	5.00		20	NUCU	Dorsal Fin	SPRINGER
03/05/68	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Russet	NV209
03/12/68	17:04:00.0	37.0076	-116.3705	0.00		5.4		NUCU_SALVO	Buggy-A	AEC
03/14/68	15:19:00.1	37.0477	-116.0108	0.21		1.5		NUCU	Pommard	SPRINGER
03/22/68	15:00:00.0	37.3326	-116.3107	0.67	5.60	20	200	NUCU	Stinger	SPRINGER
03/25/68	18:44:27.0	36.8717	-115.9311	0.26			20	NUCU	Milk Shake	SPRINGER
04/04/68	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Bevel	NV209
04/10/68	14:00:00.0	37.1544	-116.0789	0.38	4.60	19	220	NUCU_SALVO	Noor	SPRINGER
04/18/68	14:05:00.0	37.1525	-116.0370	0.49	4.90	20	200	NUCU	Shuffle	SPRINGER
04/23/68	17:01:30.0	37.3377	-116.3756	0.22	3.89		20	NUCU	Scroll	SPRINGER
04/26/68	15:00:00.0	37.2954	-116.4557	1.17	6.30	1300		NUCU	Boxcar	SPRINGER
05/03/68	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Hatchet	NV209
05/08/68	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Crock	NV209
05/17/68	13:00:00.0	37.1201	-116.0588	0.47	4.70	20	200	NUCU	Clarksmobile	SPRINGER
05/28/68	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Adze	NV209
06/05/68	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Wembley	NV209
06/06/68	21:30:00.0	37.1654	-116.0434	0.00			100	NUCU_SALVO	Tub-A	SPRINGER
06/15/68	14:00:00.0	37.2649	-116.3146	0.68	5.90	20	200	NUCU	Rickey	SPRINGER
06/25/68	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Funnel	NV209

06/25/68	00:00:00.0	37.0000	-116.0000	0.00		20		NUCU	Sevilla	NV209
06/28/68	12:22:00.0	37.2455	-116.4829	0.62	5.30	20	200	NUCU	Chateaugay	SPRINGER
07/17/68	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Spud	NV209
07/30/68	13:00:00.0	37.1332	-116.0823	0.38		20	200	NUCU	Tanya	SPRINGER
08/09/68	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Imp	NV209
08/15/68	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Rack	NV209
08/27/68	16:30:00.0	36.8772	-115.9311	0.24			20	NUCU	Diana Moon	SPRINGER
08/29/68	22:45:00.0	37.2503	-116.3469	0.73	5.90	20	200	NUCU	Sled	SPRINGER
09/06/68	14:00:00.1	37.1361	-116.0472	0.58	5.60	20	200	NUCU	Noggin	SPRINGER
09/12/68	14:00:00.0	37.0318	-116.0116	0.33	5.80		20	NUCU	Knife A	SPRINGER
09/17/68	14:00:00.0	37.1199	-116.1275	0.47	5.10	20	200	NUCU	Stoddard	SPRINGER
09/24/68	17:05:00.1	37.2048	-116.2064	0.34	5.00		20	NUCU	Hudson Seal	SPRINGER
10/03/68	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Welder	NV209
10/03/68	14:29:00.0	37.0259	-115.9928	0.30			20	NUCU	Knife C	SPRINGER
10/10/68	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Vat	NV209
10/29/68	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Hula	NV209
10/31/68	00:00:00.0	37.0000	-116.0000	0.00			40	NUCU_SALVO	Bit-A	NV209
10/31/68	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	File	NV209
11/04/68	00:00:00.0	37.0000	-116.0000	0.00			40	NUCU_SALVO	Crew-2nd	NV209
11/04/68	15:15:00.1	37.1305	-116.0865	0.36	5.00	20	200	NUCU	Crew	SPRINGER
11/15/68	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Auger	NV209
11/15/68	15:45:00.0	37.0261	-116.0333	0.36			20	NUCU	Knife B	SPRINGER
11/20/68	18:00:00.0	37.0098	-116.2064	0.31	4.90		20	NUCU	Ming Vase	SPRINGER
11/22/68	16:19:00.0	37.1399	-116.0423	0.44			20	NUCU	Tinderbox	SPRINGER
12/08/68	16:00:00.1	37.3434	-116.5659	0.11	4.80	30		NUCU	Schooner	SPRINGER
12/12/68	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Bay Leaf	NV209
12/12/68	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Scissors	NV209
12/12/68	15:10:00.1	37.1189	-116.0783	0.00			120	NUCU_SALVO	Tyg-A	SPRINGER
12/19/68	16:30:00.0	37.2315	-116.4736	1.40	6.30	1150		NUCU	Benham	SPRINGER

01/15/69	19:00:00.1	37.1479	-116.0657	0.25		10		NUCU	Packard	SPRINGER
01/15/69	19:30:00.0	37.2091	-116.2254	0.52	5.30	20	200	NUCU	Wineskin	SPRINGER
01/22/69	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Shave	NV209
01/30/69	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Biggin	NV209
01/30/69	15:00:00.0	37.0533	-116.0293	0.45	4.90	20	200	NUCU	Vise	SPRINGER
02/04/69	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Winch	NV209
02/04/69	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Nipper	NV209
02/12/69	16:18:20.9	37.1691	-116.2107	0.41			20	NUCU	Cypress	SPRINGER
03/18/69	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Chatty	NV209
03/18/69	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Valise	NV209
03/20/69	18:12:00.0	37.0220	-116.0302	0.30	4.60		20	NUCU	Barsac	SPRINGER
03/21/69	14:30:00.0	37.1332	-116.0867	0.46	4.90		100	NUCU	Coffer	SPRINGER
04/24/69	00:00:00.0	37.0000	-116.0000	0.00			40	NUCU_SALVO	Gourd-Amber	NV209
04/30/69	17:00:00.0	37.0815	-116.0139	0.56	5.30	20	200	NUCU	Blenton	SPRINGER
04/30/69	17:00:00.0	37.0903	-116.0056	0.56	5.20	20	200	NUCU	Thistle	SPRINGER
05/07/69	13:45:00.0	37.2829	-116.5006	0.60	5.80	20	200	NUCU	Purse	SPRINGER
05/15/69	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Aliment	NV209
05/27/69	00:00:00.0	37.0000	-116.0000	0.00			40	NUCU_SALVO	Ipecac-A	NV209
05/27/69	14:15:00.0	37.0751	-115.9953	0.51	5.00	20	200	NUCU	Torrido	SPRINGER
06/12/69	14:00:00.0	37.0088	-116.0303	0.30	4.50		20	NUCU	Tapper	SPRINGER
06/26/69	00:00:00.0	37.0000	-116.0000	0.00			40	NUCU_SALVO	Bowl-1	NV209
07/16/69	13:02:30.0	37.1194	-116.0551	0.41	4.70	20	200	NUCU	Ildrim	SPRINGER
07/16/69	14:55:00.0	37.1395	-116.0874	0.55	5.60	20	200	NUCU	Hutch	SPRINGER
08/14/69	14:30:00.0	37.1603	-116.0636	0.00			40	NUCU_SALVO	Spider-A	SPRINGER
08/27/69	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Horehound	NV209
08/27/69	13:45:00.0	37.0215	-116.0381	0.24	4.70		20	NUCU	Pliers	SPRINGER
09/10/69	21:00:00.0	39.4058	-107.9481	2.57	5.30	40		NUCU	Rulison	SPRINGER
09/12/69	18:02:20.4	36.8772	-115.9285	0.26	4.50		20	NUCU	Minute Steak	SPRINGER
09/16/69	14:30:00.0	37.3141	-116.4607	1.16	6.20		1000	NUCU	Jorum	SPRINGER

09/20/69	00:00:00.0	37.0000	-116.0000	0.00				40	NUCU_SALVO	Kyack-A	NV209	
10/01/69	00:00:00.0	37.0000	-116.0000	0.00				60	NUCU_SALVO	Seaweed-C	NV209	
10/02/69	22:06:00.0	51.4171	179.1823	1.22	6.40	1000			NUCU	Milrow	SPRINGER	
10/08/69	14:30:00.1	37.2567	-116.4408	0.62	5.60	200	1000		NUCU	Pipkin	SPRINGER	
10/16/69	00:00:00.0	37.0000	-116.0000	0.00				20	NUCU	Seaweed B	NV209	
10/29/69	19:30:00.0	37.1215	-116.1278	0.26	5.10	11			NUCU	Cruet	SPRINGER	
10/29/69	20:00:00.0	37.1353	-116.1359	0.31	5.00	66.8			NUCU_SALVO	Pod-A	SPRINGER	
10/29/69	22:01:51.0	37.1433	-116.0638	0.62	5.70	110			NUCU	Calabash	SPRINGER	
11/13/69	15:15:00.1	37.1646	-116.0748	0.16		1.7			NUCU	Scuttle	AEC	
11/21/69	00:00:00.0	37.0000	-116.0000	0.00				20	NUCU	Planer	NV209	
11/21/69	14:52:00.0	37.0312	-116.0021	0.39	5.00	20	200		NUCU	Piccalilli	SPRINGER	
12/05/69	17:00:00.0	37.1800	-116.2109	0.42	5.00			20	NUCU	Diesel Train	SPRINGER	
12/10/69	00:00:00.0	37.0000	-116.0000	0.00				40	NUCU_SALVO	Culantro-A	NV209	
12/10/69	00:00:00.0	37.0000	-116.0000	0.00				80	NUCU_SALVO	Tun-A	NV209	
12/17/69	15:00:00.0	37.0838	-116.0016	0.55	5.50	20	200		NUCU	Grape A	SPRINGER	
12/17/69	15:15:00.0	37.0066	-116.0228	0.38	4.80			20	NUCU	Lovage	SPRINGER	
12/18/69	19:00:00.0	37.1205	-116.0348	0.46	5.20	40	400		NUCU_SALVO	Terrine-White	SPRINGER	
01/23/70	16:30:00.2	37.1374	-116.0368	0.27	4.60			60	NUCU_SALVO	Fob-Green	SPRINGER	
01/30/70	17:00:00.0	37.0308	-116.0348	0.30	4.60			20	NUCU	Ajo	SPRINGER	
02/04/70	00:00:00.0	37.0000	-116.0000	0.00				20	200	NUCU	Belen	NV209
02/04/70	17:00:00.0	37.0981	-116.0265	0.55	5.60	20	200		NUCU	Grape B	SPRINGER	
02/05/70	15:00:00.0	37.1640	-116.0388	0.44	4.70	25			NUCU	Labis	SPRINGER	
02/11/70	19:15:00.0	37.2013	-116.2052	0.40	4.70			20	NUCU	Diana Mist	SPRINGER	
02/25/70	14:28:38.0	37.0367	-115.9996	0.41	5.20	20	200		NUCU	Cumarin	SPRINGER	
02/26/70	15:30:00.0	37.1164	-116.0614	0.39	5.30	60	600		NUCU_SALVO	Yannigan-Red	SPRINGER	
03/06/70	14:24:00.9	37.0231	-116.0918	0.00	4.50	8.7			NUCU	Cyathus	SPRINGER	
03/06/70	15:00:00.2	37.1396	-116.0368	0.29	4.30			60	NUCU_SALVO	Arabis-Red	SPRINGER	
03/19/70	14:03:30.0	37.0011	-116.0229	0.30	4.10			20	NUCU	Jal	SPRINGER	
03/23/70	23:05:00.0	37.0862	-116.0211	0.56	5.50	20	200		NUCU	Shaper	SPRINGER	

03/26/70	19:00:00.2	37.3005	-116.5341	1.21	6.50	1000		NUCU	Handley	SPRINGER
04/21/70	14:30:00.0	37.0549	-115.9881	0.34	4.60	12.7		NUCU	Snubber	SPRINGER
04/21/70	15:00:00.0	37.1156	-116.0801	0.40	4.80	40	400	NUCU_SALVO	Can-Green	SPRINGER
05/01/70	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Hod-C (Blue)	NV209
05/01/70	14:13:00.0	37.0592	-116.0282	0.39	4.20		20	NUCU	Beebalm	SPRINGER
05/01/70	14:40:00.2	37.1330	-116.0341	0.27	4.50		40	NUCU_SALVO	Hod-A (Green)	SPRINGER
05/05/70	15:30:00.2	37.2165	-116.1841	0.41	5.20		20	NUCU	Mint Leaf	SPRINGER
05/12/70	14:00:00.0	37.0104	-116.2019	0.27			20	NUCU	Diamond Dust	SPRINGER
05/15/70	13:30:00.0	37.1619	-116.0389	0.44	5.30	40	400	NUCU_SALVO	Cornice-Yellow	SPRINGER
05/21/70	14:00:00.0	37.0289	-115.9919	0.24	3.50		20	NUCU	Manzanas	SPRINGER
05/21/70	14:15:00.0	37.0708	-116.0130	0.48	5.10	20	200	NUCU	Morrone	SPRINGER
05/26/70	14:16:00.2	37.1826	-116.2134	0.42	5.00		20	NUCU	Hudson Moon	SPRINGER
05/26/70	15:00:00.1	37.1134	-116.0623	0.53	5.60	103	39	NUCU_SALVO	Flask-Green	SPRINGER
05/28/70	00:00:00.0	37.0000	-116.0000	0.00			40	NUCU_SALVO	Piton-A	NV209
05/28/70	12:00:00.2	37.1300	-116.0500	0.00	4.20		20	NUCU	Piton-C	ISC
06/26/70	13:00:00.0	37.1139	-116.0861	0.31	4.30		40	NUCU_SALVO	Arnica-Yellow	SPRINGER
10/13/70	00:00:00.0	37.0000	-116.0000	0.00			60	NUCU_SALVO	Scree-Acajou	NV209
10/14/70	14:30:00.0	37.0707	-116.0051	0.56	5.50	20	200	NUCU	Tijeras	SPRINGER
10/28/70	00:00:00.0	37.0000	-116.0000	0.00			60	NUCU_SALVO	Truchas-Chacon	NV209
11/05/70	15:00:00.0	37.0295	-116.0118	0.39	4.90	20	200	NUCU	Abeytas	SPRINGER
11/19/70	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Penasco	NV209
12/03/70	00:00:00.0	37.0000	-116.0000	0.00			40	NUCU_SALVO	Carrizozo	NV209
12/16/70	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Canjilon	NV209
12/16/70	16:00:00.1	37.1002	-116.0079	0.48	5.20	20	200	NUCU	Artesia	SPRINGER
12/16/70	16:00:00.2	37.1429	-116.0340	0.00	5.10		80	NUCU_SALVO	Avens-Andorre	SPRINGER
12/17/70	16:05:00.2	37.1291	-116.0830	0.66	5.80	220		NUCU	Carpetbag	SPRINGER
12/18/70	15:30:00.2	37.1731	-116.0989	0.28	5.20	10		NUCU	Baneberry	SPRINGER
06/16/71	14:50:00.0	37.0332	-116.0137	0.30	4.90		20	NUCU	Embudo	SPRINGER
06/23/71	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Dexter	NV209

06/23/71	15:30:00.0	37.0220	-116.0227	0.45	4.80	20	200	NUCU	Laguna	SPRINGER
06/24/71	14:00:00.2	37.1467	-116.0668	0.52	5.20	20	200	NUCU	Harebell	SPRINGER
06/29/71	18:30:00.2	37.1768	-116.2115	0.42	4.90		20	NUCU	Camphor	AEC
07/01/71	14:00:00.1	37.0115	-116.2034	0.27			20	NUCU	Diamond Mine	SPRINGER
07/08/71	14:00:00.1	37.1101	-116.0514	0.53	5.50	83		NUCU	Miniata	SPRINGER
07/09/71	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Bracken	NV209
07/21/71	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Apodaca	NV209
08/04/71	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Barranca	NV209
08/05/71	00:00:00.0	37.0000	-116.0000	0.00			40	NUCU_SALVO	Nama-Amarylis	NV209
08/06/71	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Baltic	NV209
08/18/71	14:00:00.0	37.0572	-116.0363	0.53	5.40	20	200	NUCU	Algodones	SPRINGER
09/22/71	00:00:00.0	37.0000	-116.0000	0.00			80	NUCU_SALVO	Frijoles-Deming	NV209
09/29/71	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Chantilly	NV209
09/29/71	14:00:00.0	37.0110	-116.0073	0.38	4.40		20	NUCU	Pedernal	SPRINGER
10/08/71	14:30:00.2	37.1138	-116.0373	0.38	4.70		20	NUCU	Cathay	SPRINGER
10/14/71	14:30:02.5	37.0300	-115.9900	0.00	4.40		20	NUCU	Lagoon	ISC
11/06/71	22:00:00.1	51.4719	179.1069	1.79	6.80		5000	NUCU	Cannikin	SPRINGER
11/24/71	20:15:00.2	36.8792	-115.9347	0.26			20	NUCU	Diagonal Line	SPRINGER
11/30/71	15:45:03.2	37.0500	-116.1400	0.00	4.70		20	NUCU	Parnassia	ISC
12/14/71	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Hospah	NV209
12/14/71	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Yerba	NV209
12/14/71	21:09:59.2	37.1239	-116.0896	0.33	4.70	20	200	NUCU	Chaenactis	SPRINGER
01/05/72	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Mescalero	NV209
02/03/72	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Cowles	NV209
02/17/72	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Dianthus	NV209
03/23/72	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Sappho	NV209
03/30/72	21:00:03.7	36.9200	-116.0500	0.00	4.60		40	NUCU_SALVO	Ocate	ISC
04/19/72	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Jicarilla	NV209
04/19/72	16:32:00.2	37.1219	-116.0838	0.33	4.60		20	NUCU	Longchamps	SPRINGER

05/02/72	19:15:00.0	37.2077	-116.2088	0.38	5.00		20	NUCU	Misty North	SPRINGER
05/11/72	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Kara	NV209
05/17/72	14:10:00.2	37.1206	-116.0879	0.32	4.40		20	NUCU	Zinnia	SPRINGER
05/19/72	17:00:00.1	37.0647	-116.0018	0.54	4.90		20	NUCU	Monero	SPRINGER
06/07/72	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Merida	NV209
06/28/72	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Haplopappus	NV209
06/28/72	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Tajique	NV209
06/28/72	16:30:04.1	37.1300	-116.1000	0.00			20	NUCU	Capitan	ISC
07/20/72	17:16:00.2	37.2145	-116.1834	0.42	5.00		20	NUCU	Diamond Sculls	SPRINGER
07/25/72	13:30:03.0	37.0000	-116.2000	0.00	4.00		20	NUCU	Atarque	ISC
08/09/72	00:00:00.0	37.0000	-116.0000	0.00			60	NUCU_SALVO	Cebolla	NV209
09/21/72	15:30:00.2	37.0821	-116.0383	0.56	5.70	20	200	NUCU	Oscuro	SPRINGER
09/26/72	14:30:00.2	37.1214	-116.0857	0.30	4.40	15		NUCU	Delphinium	SPRINGER
11/09/72	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Akbar	NV209
11/09/72	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Arsenate	NV209
11/17/72	00:00:00.0	37.0000	-116.0000	0.00			40	NUCU_SALVO	Canna-Umbrinus	NV209
12/12/72	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Tuloso	NV209
12/14/72	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Solanum	NV209
12/21/72	00:00:00.0	37.0000	-116.0000	0.00		19	220	NUCU_SALVO	Flax-Test	NV209
12/21/72	20:15:00.2	37.1399	-116.0833	0.44	5.00		20	NUCU	Flax-Source	SPRINGER
02/14/73	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Alumroot	NV209
03/08/73	16:10:00.2	37.1036	-116.0267	0.57	5.40	20	200	NUCU	Miera	SPRINGER
03/23/73	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Gazook	NV209
04/05/73	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Natoma	NV209
04/25/73	22:25:00.0	37.0048	-116.0284	0.45	4.70		40	NUCU_SALVO	Angus	SPRINGER
04/26/73	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Colmor	NV209
04/26/73	17:15:00.2	37.1231	-116.0585	0.56	5.60	90		NUCU	Starwort	SPRINGER
05/09/73	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Mesita	NV209
05/17/73	16:00:00.1	39.7930	-108.3666	2.04	5.40	99		NUCU_SALVO	Rio Blanco-1	SPRINGER

05/24/73	00:00:00.0	37.0000	-116.0000	0.00		20	NUCU	Kashan	NV209	
05/24/73	13:30:02.8	37.2900	-116.1000	0.00	4.80	20	NUCU	Cabresto	ISC	
06/05/73	17:00:00.2	37.1850	-116.2151	0.39	5.10	20	NUCU	Dido Queen	SPRINGER	
06/06/73	13:00:00.1	37.2451	-116.3460	1.06	6.10	200	1000	NUCU	Almendro	SPRINGER
06/21/73	14:44:59.3	37.0800	-115.9900	0.00	5.30	20	200	NUCU	Potrillo	ISC
06/28/73	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Silene	NV209
06/28/73	19:15:12.4	37.1484	-116.0859	0.47	4.90	20	200	NUCU	Portulaca	SPRINGER
10/02/73	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Waller	NV209
10/02/73	15:15:00.0	37.2000	-115.8000	0.00			20	NUCU	Polygonum	AEC
10/12/73	17:00:00.1	37.2004	-116.2032	0.41	4.80		20	NUCU	Husky Ace	SPRINGER
11/28/73	15:30:00.1	37.0110	-116.0245	0.28	4.40		20	NUCU	Bernal	AEC
12/12/73	19:00:03.1	36.9300	-116.0300	0.00	4.40		20	NUCU	Pajara	ISC
12/13/73	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Seafoam	NV209
12/19/73	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Elida	NV209
12/19/73	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Spar	NV209
01/10/74	00:00:00.0	37.0000	-116.0000	0.00			60	NUCU_SALVO	Pinedrops-Sloat	NV209
02/27/74	17:00:00.1	37.1043	-116.0528	0.64	5.80	20	200	NUCU	Latir	AEC
03/14/74	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Hulsea	NV209
04/12/74	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Sapello	NV209
04/23/74	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Potrero	NV209
05/01/74	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Plomo	NV209
05/08/74	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Jib	NV209
05/22/74	14:14:59.9	37.0600	-116.1100	0.00	4.20		20	NUCU	Grove	ISC
06/06/74	14:40:00.5	36.9600	-116.0200	0.00	4.40		20	NUCU	Jara	ISC
06/19/74	16:00:00.1	37.2103	-116.2073	0.39	5.00		20	NUCU	Ming Blade	AEC
07/10/74	16:00:00.1	37.0675	-116.0318	0.64	5.70	20	200	NUCU	Escabosa	AEC
07/18/74	14:00:01.2	37.0900	-116.0500	0.00	4.10		40	NUCU_SALVO	Crestlake-Tansan	ISC
08/14/74	14:00:00.1	37.0234	-116.0364	0.43	4.60		20	NUCU	Puye	AEC
08/30/74	15:00:00.2	37.1525	-116.0833	0.66	5.80	20	200	NUCU	Portmanteau	AEC

09/25/74	14:00:00.5	36.9700	-116.0200	0.00	4.40		20	NUCU	Pratt	ISC
09/26/74	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Trumbull	NV209
09/26/74	15:05:00.2	37.1326	-116.0684	0.57	5.60	20	200	NUCU	Stanyan	AEC
10/17/74	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Estaca	NV209
10/28/74	15:00:00.2	37.2011	-116.2039	0.40			20	NUCU	Hybla Fair	AEC
11/02/74	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Temescal	NV209
11/26/74	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Puddle	NV209
12/16/74	17:30:00.4	36.8800	-115.9700	0.00	4.30		20	NUCU	Keel	ISC
02/06/75	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Teleme	NV209
02/06/75	00:00:00.0	37.0000	-116.0000	0.00			40	NUCU_SALVO	Portola	NV209
02/19/75	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Bilge	NV209
02/28/75	15:15:00.1	37.1062	-116.0563	0.71	5.70	20	200	NUCU	Topgallant	ERDA
03/07/75	15:00:00.2	37.1340	-116.0842	0.60	5.50	20	200	NUCU	Cabrillo	ERDA
04/05/75	19:45:00.2	37.1879	-116.2139	0.38	4.90		20	NUCU	Dining Car	ERDA
04/24/75	14:10:00.2	37.1157	-116.0874	0.41	4.60	20	200	NUCU	Edam	ERDA
04/30/75	15:00:00.1	37.1089	-116.0288	0.57	5.20	20	200	NUCU	Obar	ERDA
05/14/75	14:00:00.2	37.2208	-116.4742	0.77	6.00	200	1000	NUCU	Tybo	ERDA
06/03/75	14:20:00.2	37.3401	-116.5229	0.73	5.90	20	200	NUCU	Stilton	ERDA
06/03/75	14:40:00.1	37.0948	-116.0361	0.64	5.70	20	200	NUCU	Mizzen	ERDA
06/11/75	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Alviso	NV209
06/18/75	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Futtock	NV209
06/19/75	13:00:00.1	37.3503	-116.3202	0.91	6.10	200	1000	NUCU	Mast	ERDA
06/26/75	12:30:00.2	37.2789	-116.3686	1.31	6.20	200	1000	NUCU	Camembert	ERDA
09/06/75	17:00:00.1	37.0236	-116.0291	0.43	4.60		20	NUCU	Marsh	ERDA
10/24/75	17:11:26.1	37.2216	-116.1797	0.35	4.70		20	NUCU	Husky Pup	ERDA
10/28/75	14:30:00.2	37.2901	-116.4115	1.27	6.40	200	1000	NUCU	Kasseri	ERDA
11/18/75	15:30:00.4	36.9900	-116.0400	0.00	4.40		20	NUCU	Deck	ISC
11/20/75	15:00:00.1	37.2250	-116.3676	0.82	6.00	200	1000	NUCU	Inlet	ERDA
11/26/75	15:30:00.2	37.1173	-116.0189	0.33	5.00		20	NUCU	Leyden	ERDA

12/20/75	20:00:00.2	37.1276	-116.0616	0.72	5.70	20	200	NUCU	Chiberta	ERDA
01/03/76	19:15:00.2	37.2966	-116.3332	1.45	6.20	200	1000	NUCU	Muenster	ERDA
02/04/76	14:20:00.1	37.0693	-116.0302	0.64	5.80	20	200	NUCU	Keelson	ERDA
02/04/76	14:40:00.2	37.1066	-116.0374	0.66	5.70	20	200	NUCU	Esrom	ERDA
02/12/76	14:45:00.2	37.2714	-116.4884	1.22	6.30	200	1000	NUCU	Fontina	ERDA
02/14/76	11:30:00.2	37.2426	-116.4202	1.17	6.00	200	500	NUCU	Cheshire	ERDA
02/26/76	14:50:03.0	36.9000	-115.9900	0.00	4.20		20	NUCU	Shallows	ISC
03/09/76	14:00:00.1	37.3100	-116.3642	0.87	6.00	200	500	NUCU	Estuary	ERDA
03/14/76	12:30:00.2	37.3060	-116.4715	1.27	6.30	500	1000	NUCU	Colby	ERDA
03/17/76	14:15:00.1	37.2559	-116.3119	0.88	6.10	200	500	NUCU	Pool	ERDA
03/17/76	14:45:00.1	37.1073	-116.0525	0.78	5.80	200	500	NUCU	Strait	ERDA
05/12/76	19:50:00.2	37.2091	-116.2125	0.40	4.90		20	NUCU	Mighty Epic	ERDA
05/20/76	17:30:03.3	37.2700	-116.3300	0.00			20	NUCU	Rivoli	ISC
07/27/76	20:30:00.1	37.0754	-116.0438	0.64	5.30	20	150	NUCU	Billet	ERDA
10/06/76	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Gouda	NV209
11/10/76	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Sprit	NV209
11/23/76	15:15:00.2	37.1717	-116.0527	0.32			20	NUCU	Chevre	ERDA
12/08/76	14:49:30.1	37.0793	-116.0016	0.43	4.90		20	NUCU	Redmud	ERDA
12/21/76	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Sutter	NV209
12/21/76	15:09:00.2	37.1239	-116.0675	0.33			20	NUCU	Asiago	ERDA
12/28/76	18:00:00.1	37.1005	-116.0365	0.64	5.50	20	150	NUCU	Rudder	ERDA
02/16/77	17:52:59.9	37.0000	-116.0700	0.00	4.60		40	NUCU_SALVO	Cove	ISC
03/08/77	00:00:00.0	37.0000	-116.0000	0.00			40	NUCU_SALVO	Dofino	NV209
04/05/77	15:00:00.2	37.1202	-116.0623	0.69	5.60	20	150	NUCU	Marsilly	ERDA
04/27/77	15:00:00.1	37.0948	-116.0279	0.59	5.40	20	150	NUCU	Bulkhead	ERDA
05/25/77	17:00:00.1	37.0943	-116.0449	0.56	5.30	20	150	NUCU	Crewline	ERDA
06/02/77	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Forefoot	NV209
07/28/77	14:07:00.4	37.1100	-116.0800	0.00			20	NUCU	Carnelian	ISC
08/04/77	16:40:00.1	37.0866	-116.0069	0.52	5.10	20	150	NUCU	Strake	ERDA

08/16/77	14:41:00.6	37.1500	-116.0600	0.00			20	NUCU	Flotost	ISC
08/16/77	15:49:00.3	37.1500	-116.0600	0.00			40	NUCU_SALVO	Gruyere	ISC
08/19/77	17:31:59.8	37.0100	-115.9600	0.00			20	NUCU	Scupper	ISC
08/19/77	17:55:00.1	37.1100	-116.0545	0.70	5.60	20	150	NUCU	Scantling	ERDA
09/15/77	14:36:30.1	37.0328	-116.0431	0.38	4.50		20	NUCU	Ebbtide	ERDA
09/27/77	14:00:00.2	37.1512	-116.0676	0.53	4.80	20	150	NUCU	Coulommiers	ERDA
10/26/77	14:15:00.1	37.0076	-116.0167	0.38	4.40		20	NUCU	Bobstay	ERDA
11/01/77	18:06:00.1	37.1878	-116.2130	0.39	4.70		20	NUCU	Hybla Gold	ERDA
11/09/77	22:00:00.1	37.0721	-116.0500	0.70	5.80	20	150	NUCU	Sandreef	ERDA
11/17/77	19:30:00.1	37.0206	-116.0251	0.37	4.70		20	NUCU	Seamount	ERDA
12/14/77	15:00:02.6	36.9600	-116.0400	0.00			20	NUCU	Rib	ISC
12/14/77	15:30:00.2	37.1359	-116.0860	0.67	5.70	20	150	NUCU	Farallones	ERDA
02/13/78	21:53:00.2	37.1261	-116.0317	0.32	3.80		20	NUCU	Campos	DOE
02/23/78	17:00:00.2	37.1237	-116.0638	0.66	5.60	20	150	NUCU	Reblochon	DOE
03/16/78	15:00:00.1	37.0100	-116.1000	0.00	4.00		20	NUCU	Karab	ISC
03/23/78	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Topmast	NV209
03/23/78	16:30:00.2	37.1018	-116.0511	0.64	5.60	20	150	NUCU	Iceberg	DOE
04/11/78	15:30:00.2	37.2996	-116.3267	0.63	5.40	20	150	NUCU	fondutta	DOE
04/25/78	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Asco	NV209
05/10/78	00:00:00.0	37.0878	-116.0526	0.64		0	0	NUCU	Transom	DOE
06/01/78	17:00:01.1	37.0000	-116.2500	0.00			20	NUCU	Jackpots	ISC
07/07/78	13:59:59.5	37.0800	-116.0400	0.00	4.00		20	NUCU	Satz	ISC
07/12/78	17:00:00.1	37.0787	-116.0438	0.56	5.60	20	150	NUCU	Lowball	DOE
08/31/78	14:00:00.2	37.2759	-116.3573	0.68	5.60	20	150	NUCU	Panir	DOE
09/13/78	15:15:00.2	37.2088	-116.2108	0.39	4.60		20	NUCU	Diablo Hawk	DOE
09/27/78	00:00:00.0	37.0000	-116.0000	0.00			40	NUCU_SALVO	Cremino	NV209
09/27/78	17:00:00.1	37.0798	-116.0513	0.44	5.00	20	150	NUCU	Draughts	DOE
09/27/78	17:20:00.1	37.0739	-116.0198	0.64	5.80	20	150	NUCU	Rummy	DOE
11/02/78	15:25:00.2	37.2879	-116.2975	0.58	4.20		20	NUCU	Emmenthal	DOE

12/01/78	17:07:29.8	37.0100	-116.0400	0.00		20		NUCU	Concentration	ISC
12/16/78	15:30:00.2	37.2734	-116.4103	0.69	5.60	20	150	NUCU	Farm	DOE
01/24/79	18:00:00.1	37.1054	-116.0117	0.33	4.50		20	NUCU	Baccarat	DOE
02/08/79	20:00:00.1	37.1025	-116.0548	0.58	5.50	20	150	NUCU	Quinella	DOE
02/15/79	18:05:00.2	37.1520	-116.0718	0.54	4.90	20	150	NUCU	Kloster	DOE
03/14/79	18:30:00.1	37.0278	-116.0398	0.37	4.40		20	NUCU	Memory	DOE
05/11/79	15:59:59.8	36.9600	-116.0100	0.00			20	NUCU	Freezeout	ISC
06/11/79	14:00:00.2	37.2897	-116.4553	0.68	5.50	20	150	NUCU	Pepato	DOE
06/20/79	15:00:13.5	37.1076	-116.0151	0.34	4.00		20	NUCU	Chess	DOE
06/28/79	14:44:00.2	37.1432	-116.0875	0.54	5.00	20	150	NUCU	Fajy	DOE
08/03/79	15:07:30.2	37.0840	-116.0699	0.45	4.60	20	150	NUCU	Burzet	DOE
08/08/79	15:00:00.1	37.0147	-116.0080	0.40	4.90	20	150	NUCU	Offshore	DOE
09/06/79	15:00:00.1	37.0881	-116.0528	0.64	5.80	140		NUCU	Hearts	DOE
09/08/79	17:02:00.1	37.1550	-116.0382	0.20			20	NUCU	Pera	DOE
09/26/79	15:00:00.1	37.2291	-116.3641	0.64	5.60	20	150	NUCU	Sheepshead	DOE
11/29/79	15:00:00.1	36.9940	-116.0241	0.23	3.80		20	NUCU	Backgammon	DOE
12/14/79	18:00:00.1	37.1374	-116.0631	0.21			20	NUCU	Azul	DOE
02/28/80	15:00:00.1	37.1265	-116.0885	0.37	4.40		20	NUCU	Tarko	DOE
03/08/80	15:35:00.1	37.1799	-116.0831	0.27	3.90		20	NUCU	Norbo	DOE
04/03/80	14:00:00.1	37.1499	-116.0823	0.42	4.80	20	150	NUCU	Liptauer	DOE
04/16/80	20:00:00.1	37.1011	-116.0305	0.58	5.30	20	150	NUCU	Pyramid	DOE
05/02/80	18:46:30.1	37.0560	-116.0190	0.35	4.50		20	NUCU	Canfield	DOE
05/22/80	13:00:00.1	37.0031	-116.0314	0.34			20	NUCU	Flora	DOE
06/12/80	17:15:00.1	37.2817	-116.4539	0.65	5.60	20	150	NUCU	Kash	DOE
06/24/80	15:10:00.1	37.0233	-116.0341	0.32	4.50		20	NUCU	Huron King	DOE
07/25/80	19:05:00.1	37.2563	-116.4774	0.68	5.60	20	150	NUCU	Tafi	DOE
07/31/80	18:19:00.1	37.0130	-116.0227	0.37	4.30		20	NUCU	Verdello	DOE
09/25/80	14:45:00.1	37.0562	-116.0481	0.38	4.60	20	150	NUCU	Bonarda	DOE
09/25/80	15:26:30.1	37.1159	-116.0646	0.42		1.07		NUCU	Riola	DOE

10/31/80	18:00:00.1	37.2113	-116.2054	0.39	4.70		20	NUCU	Miners Iron	DOE
11/14/80	16:50:00.1	37.1110	-116.0187	0.32	4.10		20	NUCU	Dauphin	DOE
01/15/81	20:25:00.1	37.0871	-116.0448	0.56	5.70	20	150	NUCU	Baseball	DOE
02/05/81	18:00:00.1	37.0109	-116.0322	0.35			20	NUCU	Clairette	DOE
02/25/81	15:00:00.8	37.1819	-116.0842	0.20			20	NUCU	Seco	DOE
04/30/81	14:35:00.1	37.1773	-116.0848	0.32			20	NUCU	Vide	DOE
05/29/81	16:00:00.1	37.1019	-116.0041	0.32	4.20		20	NUCU	Aligote	DOE
06/06/81	18:00:00.1	37.3034	-116.3256	0.64	5.60	20	150	NUCU	Harzer	DOE
07/10/81	14:00:00.1	37.1286	-116.0338	0.34			20	NUCU	Niza	DOE
07/16/81	15:00:00.1	37.0887	-116.0194	0.20			20	NUCU	Pineau	DOE
08/05/81	13:41:00.1	37.1537	-116.0351	0.20			20	NUCU	Havarti	DOE
08/27/81	14:31:00.1	37.1604	-116.0665	0.29			20	NUCU	Islay	DOE
09/04/81	15:00:00.1	37.0581	-116.0481	0.30			20	NUCU	Trebbiano	DOE
09/24/81	15:00:00.1	37.0085	-116.0238	0.21			20	NUCU	Cernada	DOE
10/01/81	19:00:00.1	37.0816	-116.0088	0.47	5.10	20	150	NUCU	Paliza	DOE
11/11/81	20:00:00.0	37.0763	-116.0685	0.45	4.90	20	150	NUCU	Tilci	DOE
12/03/81	15:00:00.1	37.1484	-116.0708	0.49	4.80	20	150	NUCU	Akavi	DOE
12/16/81	21:05:00.1	37.1145	-116.1229	0.34	4.40		20	NUCU	Caboc	DOE
01/28/82	16:00:00.1	37.0913	-116.0512	0.64	5.90	139		NUCU	Jornada	DOE
02/12/82	14:55:00.1	37.2243	-116.4627	0.64	5.40	20	150	NUCU	Molbo	DOE
02/12/82	15:25:00.1	37.3480	-116.3161	0.64	5.60	20	150	NUCU	Hosta	DOE
04/17/82	18:00:00.1	37.0168	-116.0099	0.36	4.50		20	NUCU	Tenaja	DOE
05/06/82	20:00:00.1	37.1168	-116.1269	0.34	4.30		20	NUCU	Kryddost	DOE
05/07/82	18:17:00.1	37.0691	-116.0455	0.56	5.70	20	150	NUCU	Bouschet	DOE
06/16/82	14:00:00.8	37.1142	-116.0166	0.29			20	NUCU	Kesti	DOE
06/24/82	14:15:00.1	37.2362	-116.3702	0.20	5.60	20	150	NUCU	Nebbiolo	DOE
07/29/82	20:05:00.1	37.1023	-116.0750	0.12	4.50	20	150	NUCU	Monterey	DOE
08/05/82	14:00:00.1	37.0842	-116.0065	0.20	5.70	138		NUCU	Atrisco	DOE
08/11/82	15:00:00.0	37.1898	-116.0477	0.07			20	NUCU	Queso	DOE

09/02/82	14:00:00.1	37.0197	-116.0157	0.07		20	NUCU	Cerro	DOE	
09/23/82	00:00:00.0	37.0000	-116.0000	0.00		20	NUCU	Diamond Ace	NV209	
09/23/82	16:00:00.1	37.2120	-116.2068	0.12	4.90	20	NUCU	Huron Landing	DOE	
09/23/82	17:00:00.1	37.1748	-116.0878	0.14	4.90	20	150	NUCU	Frisco	DOE
09/29/82	13:30:00.1	37.0913	-116.0449	0.17			150	NUCU	Borrego	DOE
11/12/82	19:17:00.1	37.0237	-116.0321	0.37	4.40		20	NUCU	Seyval	DOE
12/10/82	15:20:00.1	37.0302	-116.0719	0.41	4.80	20	150	NUCU	Manteca	DOE
02/11/83	16:00:00.1	37.0506	-116.0453	0.00			20	NUCU	Coalora	DOE
02/17/83	17:00:00.1	37.1628	-116.0633	0.00	4.00		20	NUCU	Cheedam	DOE
03/26/83	20:20:00.1	37.3007	-116.4600	0.00	5.20	20	150	NUCU	Cabra	DOE
04/14/83	19:05:00.1	37.0728	-116.0460	0.00	5.70		150	NUCU	Turquoise	DOE
05/05/83	15:20:00.1	37.0123	-116.0892	0.00	4.50		20	NUCU	Crowdie	DOE
05/26/83	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Mini Jade	NV209
05/26/83	15:00:00.1	37.1029	-116.0057	0.00	4.50		20	NUCU	Fahada	DOE
06/09/83	17:10:00.1	37.1576	-116.0892	0.00	4.50		20	NUCU	Danablu	DOE
08/03/83	13:33:00.1	37.1190	-116.0889	0.00	4.20		20	NUCU	Laban	DOE
08/11/83	14:00:00.1	36.9977	-116.0027	0.00	4.40		20	NUCU	Sabado	DOE
08/27/83	14:00:00.3	37.2000	-116.0300	0.00	4.10		20	NUCU	Jarlsberg	ISC
09/01/83	14:00:00.1	37.2728	-116.3550	0.00	5.50	143		NUCU	Chancellor	DOE
09/21/83	15:00:00.1	37.2097	-116.2093	0.00			20	NUCU	Tomme/Midnight Zephyr	DOE
09/21/83	16:24:59.7	37.1130	-116.0430	0.00			40	NUCU_SALVO	Branco	PDE
09/22/83	15:00:00.1	37.1056	-116.0494	0.00			150	NUCU	Techado	DOE
09/29/83	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Navata	NV209
12/09/83	16:00:00.4	36.9800	-116.0200	0.00			20	NUCU	Muggins	ISC
12/16/83	18:30:00.1	37.1405	-116.0721	0.00	5.20	20	150	NUCU	Romano	DOE
01/31/84	15:30:00.1	37.1127	-116.1217	0.00	4.10	20	150	NUCU	Gorbea	DOE
02/15/84	17:00:00.1	37.2214	-116.1811	0.00	5.10		20	NUCU	Midas Myth/Milagro	DOE
03/01/84	17:45:00.1	37.0658	-116.0463	0.00	5.90	20	150	NUCU	Tortugas	DOE
03/31/84	14:30:00.1	37.1464	-116.0841	0.00	4.50		20	NUCU	Agrini	DOE

05/02/84	13:49:59.8	37.1900	-116.0200	0.00		20	NUCU	Orkney	ISC	
05/16/84	15:59:58.9	37.0900	-115.9700	0.00		20	NUCU	Bellow	ISC	
05/31/84	13:04:00.1	37.1031	-116.0480	0.00	5.80	20	150	NUCU	Caprock	DOE
06/20/84	15:15:00.1	37.0004	-116.0431	0.00	4.70	20	150	NUCU	Duoro	DOE
07/12/84	14:00:00.3	37.1800	-116.0100	0.00	3.60		20	NUCU	Normanna	ISC
07/25/84	15:30:00.1	37.2678	-116.4106	0.00	5.40	20	150	NUCU	Kappeli	DOE
08/02/84	15:00:00.1	37.0171	-116.0076	0.00	4.70		20	NUCU	Correo	DOE
08/30/84	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Wexford	NV209
08/30/84	14:45:00.1	37.0898	-115.9980	0.00	4.90		20	NUCU	Dolcetto	DOE
09/13/84	00:00:00.0	37.0867	-116.0712	0.00	5.00	20	150	NUCU	Breton	DOE
10/02/84	18:13:59.2	37.0800	-116.0000	0.00	4.20		20	NUCU	Vermejo	ISC
11/10/84	16:40:00.1	37.0001	-116.0174	0.00	4.50		20	NUCU	Villita	DOE
12/15/84	00:00:00.0	37.2811	-116.3054	0.00	5.40	20	150	NUCU	Tierra	DOE
12/20/84	16:20:00.2	36.9700	-116.0100	0.00	4.20		20	NUCU	Minero	ISC
03/15/85	16:31:00.1	37.0581	-116.0453	0.00	4.80	20	150	NUCU	Vaughn	DOE
03/23/85	18:30:00.1	37.1800	-116.0890	0.00	5.30	20	150	NUCU	Cottage	DOE
04/02/85	20:00:00.1	37.0948	-116.0323	0.00	5.80	20	150	NUCU	Hermosa	DOE
04/06/85	23:15:00.1	37.2008	-116.2072	0.00	4.80		20	NUCU	Misty Rain	DOE
05/02/85	15:20:00.1	37.2534	-116.3252	0.00	5.70	20	150	NUCU	Towanda	DOE
06/12/85	15:15:00.1	37.2479	-116.4891	0.00	5.50	20	150	NUCU	Salut	DOE
06/12/85	17:30:00.1	37.0883	-116.0839	0.00	4.60		20	NUCU	Ville	DOE
06/26/85	18:03:00.1	37.1241	-116.1220	0.00	4.30		20	NUCU	Maribo	DOE
07/25/85	14:00:00.1	37.2973	-116.4381	0.00	5.20	20	150	NUCU	Serena	DOE
08/14/85	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Cebrero	NV209
08/17/85	16:25:00.1	37.0023	-116.0430	0.00	4.60		20	NUCU	Chamita	DOE
09/27/85	14:15:00.1	37.0898	-116.0018	0.00	4.70		20	NUCU	Ponil	DOE
10/09/85	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Mill Yard	NV209
10/09/85	23:20:00.1	37.2097	-116.2101	0.00	4.20		20	NUCU	Diamond Beech	DOE
10/16/85	21:35:00.1	37.1099	-116.1214	0.00	4.70	20	150	NUCU	Roquefort	DOE

10/30/85	00:00:00.0	37.0000	-116.0000	0.00		20		NUCU	Abo	NV209
12/28/85	19:01:00.1	37.2378	-116.4727	0.00	5.30	20	150	NUCU	Goldstone	DOE
03/22/86	16:15:00.1	37.0830	-116.0661	0.00	5.20	29		NUCU	Glencoe	DOE
04/10/86	14:08:30.1	37.2183	-116.1831	0.00	5.00		20	NUCU	Mighty Oak	DOE
04/20/86	00:00:00.0	37.0000	-116.0000	0.00	4.00		20	NUCU	Mogollon	NV209
04/22/86	14:30:00.1	37.2641	-116.4402	0.00	5.40	20	150	NUCU	Jefferson	DOE
05/21/86	13:59:00.1	37.1250	-116.0604	0.00			20	NUCU	Panamint	DOE
06/05/86	15:04:00.1	37.0983	-116.0155	0.00	5.40	20	150	NUCU	Tajo	DOE
07/17/86	21:00:00.1	37.2787	-116.3556	0.00	5.70	119		NUCU	Cybar	DOE
07/24/86	15:05:00.1	37.1427	-116.0711	0.00	4.60		20	NUCU	Cornucopia	DOE
09/04/86	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Galveston	NV209
09/11/86	14:57:00.1	37.0691	-116.0497	0.00			20	NUCU	Aleman	DOE
09/30/86	22:30:00.1	37.3001	-116.3074	0.00	5.60	20	150	NUCU	Labquark	DOE
10/16/86	19:25:00.1	37.2202	-116.4616	0.00	5.60	20	150	NUCU	Belmont	DOE
11/14/86	16:00:00.1	37.1004	-116.0481	0.00	5.80	20	150	NUCU	Gascon	DOE
12/13/86	17:50:05.1	37.2630	-116.4117	0.00	5.60	20	150	NUCU	Bodie	DOE
02/03/87	15:20:00.1	37.1811	-116.0484	0.00			60	NUCU_SALVO	Hazebrook-Emerald (Green)	DOE
02/11/87	16:45:00.1	37.0107	-116.0447	0.00	4.50		20	NUCU	Tornero	DOE
03/18/87	18:28:00.1	37.2102	-116.2086	0.00	4.30		20	NUCU	Middle Note	DOE
04/18/87	13:40:00.6	37.2479	-116.5091	0.00	5.50	20	150	NUCU	Delamar	DOE
04/22/87	22:00:00.1	36.9831	-116.0046	0.00	4.20		20	NUCU	Presidio	DOE
04/30/87	13:30:00.1	37.2330	-116.4231	0.00	5.50	20	150	NUCU	Hardin	DOE
06/18/87	15:20:00.1	37.1936	-116.0350	0.00			20	NUCU	Brie	DOE
06/20/87	00:00:00.0	37.2200	-116.1778	0.00			20	NUCU	Mission Ghost	DOE
06/30/87	16:05:00.1	36.9986	-116.0431	0.00	4.60		20	NUCU	Panchuela	DOE
08/13/87	14:00:00.1	37.0610	-116.0453	0.00	5.90	20	150	NUCU	Tahoka	DOE
09/24/87	15:00:00.1	37.2280	-116.3747	0.00	5.70	20	150	NUCU	Lockney	DOE
10/23/87	16:00:00.1	37.1419	-116.0787	0.00	5.20	20	150	NUCU	Borate	DOE
12/01/87	16:30:00.1	36.9964	-116.0045	0.00			20	NUCU	Waco	DOE

12/02/87	16:30:00.1	37.2347	-116.1634	0.00	4.10		20	NUCU	Mission Cyber	DOE
02/15/88	18:10:00.1	37.3144	-116.4715	0.00	5.30	20	150	NUCU	Kernville	DOE
04/07/88	17:15:00.1	37.0132	-116.0443	0.00	4.10		20	NUCU	Abilene	DOE
05/13/88	15:35:00.1	37.1244	-116.0721	0.00	4.80		150	NUCU	Schellbourne	DOE
05/21/88	22:30:00.1	37.0325	-115.9873	0.00	4.30		150	NUCU	Laredo	DOE
06/02/88	13:00:00.1	37.2601	-116.4411	0.00	5.40		150	NUCU	Comstock	DOE
06/22/88	00:00:00.0	37.0000	-116.0000	0.00			150	NUCU	Nightingale	NV209
06/22/88	14:00:00.1	37.1662	-116.0722	0.00			150	NUCU	Rhyolite	DOE
07/07/88	15:05:30.1	37.2524	-116.3767	0.00	5.70		150	NUCU	Alamo	DOE
08/17/88	17:00:00.1	37.2972	-116.3065	0.00	5.60		150	NUCU	Kearsarge	DOE
08/23/88	18:29:59.7	36.9900	-116.0100	0.00	4.10		40	NUCU_SALVO	Harlingen-A	ISC
08/30/88	18:00:00.1	37.0859	-116.0685	0.00	5.10		150	NUCU	Bullfrog	DOE
10/13/88	14:00:00.1	37.0890	-116.0493	0.00	5.90		150	NUCU	Dalhart	DOE
11/09/88	00:00:00.0	37.0000	-116.0000	0.00			40	NUCU_SALVO	Monahans-A	NV209
12/09/88	00:00:00.0	37.0000	-116.0000	0.00			40	NUCU_SALVO	Kawich A-White	NV209
12/10/88	20:30:00.1	37.1990	-116.2094	0.00	5.00		150	NUCU	Misty Echo	DOE
02/10/89	20:06:00.1	37.0768	-116.0006	0.00	5.20	20	150	NUCU	Texarkana	DOE
02/24/89	16:15:00.1	37.1285	-116.1220	0.00	4.40		40	NUCU_SALVO	Kawich-Red	DOE
03/09/89	14:05:00.1	37.1428	-116.0669	0.00	5.00	20	150	NUCU	Ingot	DOE
05/15/89	13:10:00.1	37.1076	-116.1209	0.00	4.40		60	NUCU_SALVO	Palisade-1	DOE
05/26/89	18:07:00.0	37.0859	-116.0551	0.00	3.70		20	NUCU	Tulia	DOE
06/22/89	21:15:00.8	37.2829	-116.4123	0.00	5.30	20	150	NUCU	Contact	DOE
06/27/89	15:30:00.0	37.2755	-116.3536	0.00	4.90	20	150	NUCU	Amarillo	DOE
09/14/89	15:00:00.1	37.2359	-116.1629	0.00	4.70		20	NUCU	Disko Elm	DOE
10/31/89	15:30:00.1	37.2631	-116.4907	0.00	5.70	20	150	NUCU	Hornitos	DOE
11/15/89	20:20:00.1	37.1065	-116.0134	0.00			20	NUCU	Muleshoe	DOE
12/20/89	00:00:00.0	37.0000	-116.0000	0.00			40	NUCU_SALVO	Whiteface-A	NV209
03/10/90	16:00:00.1	37.1125	-116.0552	0.00	5.10	20	150	NUCU	Metropolis	DOE
04/06/90	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Bowie	NV209

06/13/90	16:00:00.0	37.2616	-116.4201	0.00	5.70	20	150	NUCU	Bullion	DOE
06/21/90	18:15:00.0	36.9928	-116.0045	0.00	4.10		20	NUCU	Austin	DOE
07/25/90	15:00:00.1	37.2069	-116.2143	0.00	4.70		40	NUCU_SALVO	Mineral Quarry	DOE
09/20/90	00:00:00.0	37.0000	-116.0000	0.00			40	NUCU_SALVO	Sundown-A	NV209
09/27/90	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Ledoux	NV209
10/12/90	17:30:00.1	37.2479	-116.4942	0.00	5.60	20	150	NUCU	Tenabo	DOE
03/08/91	21:02:45.1	37.1044	-116.0740	0.00	4.30		60	NUCU_SALVO	Coso-Bronze	DOE
04/04/91	19:00:00.0	37.2961	-116.3129	0.00	5.60	20	150	NUCU	Bexar	DOE
04/16/91	15:30:00.1	37.2454	-116.4416	0.00	5.40	20	150	NUCU	Montello	DOE
08/15/91	16:00:00.0	37.0873	-116.0018	0.00	4.40		20	NUCU	Floydada	DOE
09/14/91	19:00:00.0	37.2256	-116.4281	0.00	5.50	20	150	NUCU	Hoya	DOE
09/19/91	16:30:00.1	37.2357	-116.1664	0.00	4.00		20	NUCU	Distant Zenith	DOE
10/18/91	19:12:00.0	37.0634	-116.0453	0.00	5.20	20	150	NUCU	Lubbock	DOE
03/26/92	16:30:00.0	37.2725	-116.3598	0.00	5.50	20	150	NUCU	Junction	DOE
04/30/92	00:00:00.0	37.0000	-116.0000	0.00			20	NUCU	Diamond Fortune	NV209
06/19/92	16:45:00.0	37.0054	-116.0101	0.00			20	NUCU	Victoria	DOE
06/23/92	15:00:00.1	37.1239	-116.0312	0.00			60	NUCU_SALVO	Galena-Yellow	DOE
09/18/92	17:00:00.0	37.2069	-116.2099	0.00	4.40		20	NUCU	Hunters Trophy	DOE
09/23/92	00:00:00.0	37.0000	-116.0000	0.00	4.40		20	NUCU	Divider	NV209

Unknown

date	time	latitude	longitude	depth	mb	yield	ymax	type	name	source
09/22/79	03:00:00.0	-46.3600	37.5700	0.00				A	-	TCARTER