

OKLAHOMA GEOLOGICAL SURVEY OBSERVATORY
CATALOG OF NUCLEAR EXPLOSIONS

Number One Observatory Lane
Post Box 8
Leonard, Oklahoma, USA, 74043-0008
Phone 918 366 4152 Fax 918 366 4156
E-mail jim@okgeosurvey1.gov

LAST MODIFIED 2006 OCT09. IF YOU CITE THIS CATALOG USE THIS DATE** ADDITIONS DELETIONS, AND CORRECTIONS WILL BE CONTINUING. This catalog is not published anywhere on paper.

NOTE the original gopher catalog had less than and greater than symbols
in the yield figures. In this HTML version these are changed to l and g

CATALOG OF KNOWN AND PUTATIVE NUCLEAR EXPLOSIONS FROM UNCLASSIFIED SOURCES
LAST UPDATE 2006 OCT09

Compiled by James E. Lawson Jr. (Jim), who is solely responsible for the contents.

THIS CATALOG HAS A NEARLY COMPLETE LIST OF KNOWN TESTS. THERE ARE STILL MANY TIMES, MAGNITUDES, LATITUDES, AND LONGITUDES TO BE FILLED IN. PLEASE SEND ANY ADDITIONS, DELETIONS, CORRECTIONS, SUGGESTIONS TO: jimlawson@okgeosurvey1.gov. PLEASE CITE AN UNCLASSIFIED DOCUMENT WITH YOUR SUGGESTIONS.

Prior to 1998 JUN10, this catalog was only available in text form on a gopher server. The text was converted to HTML by a program named txt2html.pl written by Seth Golub. In general the conversion was good, but there are some inconsistencies in what was and was not converted to bold font.

<http://www.okgeosurvey1.gov/level2/nuke.cat.html> is the current location of this catalog.

The following (alphabetical order) assisted: Shirley Jackson, Christi King (who did most of the typing), Ruth King, Todd McCormick.

ACKNOWLEDGEMENTS AND DISCLAIMER

JL was supported by the State of Oklahoma and ARPA. CK was supported by a Creek Nation summer program. Nothing in this catalog represents an opinion of ARPA, or of any US Government agency, or of the Oklahoma Geological Survey, or of any Oklahoma Government Agency, or of the Creek Nation.

THIS INFORMATION IS COMPILED FROM UNCLASSIFIED WIDELY ACCEPTED SOURCES. NO INFORMATION REPRESENTS AN OFFICIAL OPINION OF THE OKLAHOMA GEOLOGICAL SURVEY. ALTHOUGH THE OGS HAS RECORDED BODY AND SURFACE WAVES FROM MANY UNDERGROUND

BLASTS, NONE OF THE YIELDS GIVEN HERE WERE CALCULATED BY THE OGS.

In the headings:

LINE 1-EXISTS FOR ONLY SOME TESTS-----

COLUMNS 1-6:

DATE=date (UTC time) yymmdd, yy=year-1900, mm=month, dd=day of month

COLUMNS 8-15: Time of blast in GMT until 1971 DEC31, in UTC starting 1972 JAN 01. GMT was Greenwich Mean Time (which is not correct to use after 1971 JAN01). UTC is Universal Time Coordinated. The times are listed as hhmmss.d, where hh=hour(0 through 23), mm=minute, ss=second, d=decisecond. Although it can't be shown in this format, many US shot times have been released to the nearest 0.001 second.

COLUMN 16 Always # on Line 1 if Line 1 exists for the test

COLUMNS 17-44 Full name of test.

COLUMNS 46-53 Depth of burial in meters below ground surface (below water level for underwater tests). If figure is negative, it represents elevation above land surface (ending in L) or above sea level ending in S).

COLUMNS 55-80 Free format comments.

LINE 2-EXISTS FOR ALL TESTS-----

COLUMNS 1-6:

DATE=date (UTC time) yymmdd, yy=year-1900, mm=month, dd=day of month

COLUMNS 8-15: Time of blast in GMT until 1971 DEC31, in UTC starting 1972 JAN 01. GMT was Greenwich Mean Time (which is not correct to use after 1971 JAN01). UTC is Universal Time Coordinated. The times are listed as hhmmss.d, where hh=hour(0 through 23), mm=minute, ss=second, d=decisecond. Although it can't be shown in this format, many US shot times have been released to the nearest 0.001 second.

COLUMNS 17-18:

TP=Testing Party: US=United States, GB=UK, CP=USSR, FR=France, IN=India
PC=People's Republic of China
IS=Israel, but the 790922 event is only putative
PK=Pakistan
NK=North Korea

COLUMNS 19-21: Test or explosion site. Note that the UK Christmas Island site has been used for some US atmospheric tests. In exchange, the US has allowed the UK to conduct underground tests at the Nevada Test Site.

ANM= Alamogordo, New Mexico, USA (US atmospheric test)
 HRJ= Hiroshima, Japan (US/warfare)
 NGJ= Nagasaki, Japan (US/warfare)
 BKN= Bikini (US atmospheric tests)
 ENW= Enwetak (US atmospheric tests)
 CNV= Centra Nevada (US underground test)
 NTS= Nevada Test Site, Nevada, USA (US atmospheric and underground and
 UK underground tests)
 FMT= Farmington, New Mexico (US underground natural gas stimulation test)
 MBI= Monte Bello Islands, Australia (UK atmospheric test)
 EMU= Emu Field, 480 kilometers SW of Woomera, Australia (UK atmospheric tests)
 PAC= Various Pacific Ocean sites
 MAR= Maralinga, Australia (UK atmospheric tests)
 CHR= Christmas Island (UK and US atmospheric tests)
 NZ = Novaya Zemlya, USSR (USSR atmospheric and underground tests)
 KTS= Eastern Kazakh or Semipalitinsk test site, USSR (USSR atmospheric and
 underground tests)
 REG= Reggane Proving Grounds, Algeria (French Atmospheric Tests)
 ECK= Ecker, Algeria (French Underground tests)
 CLS= Carlsbad, New Mexico, USA (US underground test)
 JON= Johnston Island (US atmospheric tests)
 FAL= Fallon, Nevada, USA (US underground test)
 LNR= Lop Nor, PRC (PRC atmospheric and underground tests)
 AMC= Amchitka Island, Aleutians, Alaska, USA (US underground tests)
 MUR= Muruora Is. (French atmospheric and underground tests)
 FAN= Fangataufa Is. (French atmospheric and underground tests)
 HTB= Hattiesburg, Mississippi, USA (US underground tests)
 GRV= Grand Valley, Colorado, USA (US natural gas stimulation)
 RAJ= Pokhran, Rajasthan Desert, India (Indian underground test)
 IS?IN= Indian Ocean (putative Israeli Test)
 RFL= Rifle, Colorado, USA (3x33kt simultaneous gas stimulation shots)
 SAT= South Atlantic Ocean (three US tests, rocket to 482 kilometers altitude)
 MAL= Malden Island (UK atmospheric tests)
 KPY= Kapustin Yar (USSR)
 SYS= Sary Shagan (USSR)
 YAK= Various sites in Yakutia (USSR)
 CHA= Chagai Hills, Dist. of Quetta, Baluchistan, Pakistan (PK underground)

USSR sites other than NZ and KTS. A large number of blasts, some or many of which were for engineering purposes (possibly similar to US Plowshare tests) were fired underground at many locations. Latitude and Longitude for most of these are given in the tables. These tests, US plowshare tests, and the one Indian test, were announced by the testing parties to be PNEs (Peaceful Nuclear Explosions).

COLUMN 22: Test subsite

NTS: P= Pahute Mesa
 Y= Yucca Mountain
 F= Frenchman Flat
 B= Buckboard Mesa
 KTS: B= Balapan or Shagan River
 D= Degelen Mountain
 M= Murzhik

NZ: N= (NTS) Northern Island
S= Southern Island

COLUMNS 24-27:

TYPE: AIRD=airdrop

ART =artillery shell

ATMO=in or above the atmosphere

BALN=balloon

BARG=barge

CRAT=crater

RC ="roman candle"=open vertical shaft

ROCH=rocket

SHFT=stemmed vertical shaft

SS1 =simultaneous shot in shaft 1

SS2 =simultaneous shot in shaft 2

SSn =simultaneous shot in shaft n

(If several simultaneous tests were in the same shaft [usually at different depths] they will all be listed SS1. If three were shot simultaneously in three separate shafts they will be SS1, SS2, and SS3).

SURF=surface (unknown but probably not airdropped, near surface, includes tower and barge)

TOWR=tower

TUNN=tunnel

UNDW=underwater

COLUMNS 29-31: Seismic body (P) wave magnitude, mb. Sources in this order of preference. ISC mb, if ISC mb not available NEIS mb, if no mb available an ML from PAS or BRK may be used. If the test has known multiple explosions, mb refers to the entire test.

COLUMNS 33-35: Seismic surface wave magnitude, Ms. If the test has known multiple explosions, Ms refers to the entire test.

COLUMNS 37-41: Explosive Yield in Kilotons. NOTE decimal points are not all lined up vertically. This could be a problem in any machine processing as could l, g, LOW, HIGH, -, SLIGHT, FIZZ. Unless there is a single number without a l, g, or - , assume the yield is unknown and very approximate. FIZZ=fizzle or failure with extremely low yield. F followed by a number, eg F300, is a test which had a smaller yield than expected. Apparently some fizzles were two-stage devices in which the fusion stage produced little or no yield.

COLUMNS 43-49: Latitude in degrees and decimals of a degree. Although it can't be shown in this format, many US shots have coordinates released to 0.1 or 0.01 seconds (0.00003 or 0.000003 degrees).

COLUMNS 51-58: Longitude in degrees and decimals of a degree. See comments about US shots under latitude.

COLUMNS 60-61:

PU=Purpose: WR=weapons related, **=war, WE=weapons effects, SF=safety
PS=Plowshare (US PNE engineering shots)
VU=US Vela Uniform-directed toward seismic detection of
underground shots

COLUMNS 62-63:

DT=Device Type: U=fission only with primarily U235, or boosted or two
stage with primarily U235 primary (trigger, pit)
P=fission only with primarily Pu239, or boosted or two
stage with primarily Pu239 primary (trigger, pit)
I=fission only, fission material mix unknown
B="boosted", some fusion yield, perhaps from tritium
although the boost is probably mainly to increase
the fission yield.
2=two stage, fusion second stage, possibly many or most of
these will have a U238 fission "third" stage.

Zero yield omitted: USDOE "Announced Nuclear Tests" with zero yield are not
included in this nuclear EXPLOSION catalog. Some of these are described
as being safety or storage-transportation tests.

COLUMNS 64-67: For underground tests: Rock type at device emplacement point.

GR= granite
QP= quartz porphyrite
SA= sandstone
AL= aleurolite (siltstone)
PO= porphyrite
QS= quartz syneite
GS= gritstone
AR= argillite (mudstone)
CO= conglomerate
TS= tuffaceous sandstone
SL= salt

COLUMN 68: += device emplaced above water table
-= device emplaced below water table

COLUMN 69-76:

NAME=Name of explosion. All US announced, and a few French, and all UK
underground tests have a name. In early US atmospheric testing some
names were reused. When the names are too long for the table, any space
is first dropped, and second, the name is truncated, not abbreviated.
A few words appear often enough as the component of a name that they
are abbreviated by a lower case letter as follows:
g=GERBOISE, m=MIST, y=MISTY, p=PRIME, d=DIAMOND
A * in the first column of the name indicates a putative nuclear test
(ie. not announced or acknowledged by the PRESUMED testing party).
A second * in the name column indicates some doubt about whether the
event was a nuclear explosion. A number of US tests listed only by
N (NRDC), which have ** in the name column, may be cavity collapses from

previous tests, or earthquakes, but they may include some unannounced nuclear explosions.

COLUMNS 77-80: Generalized References

- E= United States Department of Energy
- N= Natural Resources Defense Council
- B= Bolt "The Parted Veil: Nuclear Explosions and Earthquakes"
- A= Bocharv, V. S., S. A. Zelentsov, and V. N. Mikhailov.
Characteristics of 96 underground nuclear explosions at the Semipalatinsk test site, Atomnaya Energiya, 67, (3), 1989.
- D= Dominion of New Zeland, Dept. of Scientific and Industrial Research
- I= International Seismological Centre
- C= United States Advanced Research Projects Agency/ Nuclear Monitoring Research Office/ Center for Seismic Studies
- L= U.S. Geological Survey, National Earthquake Information Service
- S= Seismic Service of the Russian Federation Ministry of Defense
- U= United Kingdom Atomic Weapons Research Establishment
- F= Ronald Walters and Kenneth S. Zinn, The September 22, 1979 Mystery Flash: Did South Africa Detonate a Nuclear Bomb? Report of the Washington Office on Africa Educational Fund, May 21,1985.
- n= ARPA/NMRO/NORwegianSeismicARray (NORSAR)
- G= GSETT3-Group of Scientific Experts Technical Test 3
- REB-Reviewed Event Bulletin from IDC-International Data Center
- Z= Australian Geological Survey Organization Database of Nuclear Explosions http://www.agso.gov.au/information/structure/isd/database/nukexp_query.html
- i= Indian Government press releases

DATE	TIME	TP	TYPE	MAG	YIELD	LAT	LON	PU	ROCKw		
yyymmdd	hhmmss.		SITE	mb	Ms	deg	deg	DT	tNAME	SRC	
450716			USANM TOWR		21	33.675N	106.475W	WRP		TRINITY	EN
450805			USHRJ AIRD		15		**U		LITTLEBOEN		
450809			USNGJ AIRD		21		**P		FAT MAN	EN	
460630			USBKN AIRD		21	11.000N	165.000E	WEP	ABLE	EN	
460724			USBKN UNDW		21			WEP	BAKER	EN	
480414			USENW TOWR		37	11.000N	162.000E	WR	XRAY	E	
480430			USENW TOWR		49	11.000N	162.000E	WR	YOKE	E	
480514			USENW TOWR		18	11.000N	162.000E	WRU	ZEBRA	EN	
490829			CP TOWR		10-20	48.000N	076.000E	P	JOE 1	N	
510127			USNTSFAIRD		1	37.000N	116.000w	WR	ABLE	EN	
510128			USNTSFAIRD		8	37.000N	116.000W	WR	BAKER	EN	
510201			USNTSFAIRD		1	37.000N	116.000W	WR	EASY	EN	
510202			USNTSFAIRD		8	37.000N	116.000W	WR	BAKER-2	EN	
510206			USNTSFAIRD		22	37.000N	116.000W	WR	FOX	EN	
510407			USENW TOWR		70			WR	DOG	EN	
510420			USENW TOWR		47			WR	EASY	EN	
510508			USENW TOWR		225			WR B	GEORGE	EN	
510524			USENW TOWR		45.5			WR B	ITEM	EN	
510924			CP SURF		25				JOE 2	N	
511018			CP ATMO		50	48.000N	076.000E		JOE 3	N	
511022			USNTS TOWR		10.1			WR	ABLE	E	
511028			USNTS AIRD		3.5			WR	BAKER	E	

511030	USNTS AIRD	14	WR	CHARLIE E
511101	USNTS AIRD	21	WR	DOG E
511105	USNTS AIRD	31	WR	EASY E
511119	USNTS SURF	1.2	WE	SUGAR E
511129	USNTS CRAT	1.2	WE	UNCLE E
520401	USNTS AIRD	1	WE	ABLE E
520415	USNTS AIRD	1	WE	BAKER E
520422	USNTS AIRD	31	WR	CHARLIE E
520501	USNTS AIRD	19	WR	DOG E
520507	USNTS TOWR	12	WR	EASY E
520525	USNTS TOWR	11	WR	FOX E
520601	USNTS TOWR	15	WR	GEORGE E
520605	USNTS TOWR	14	WR	HOW E
521003	GBMBI SHIP			HURRICANB
521031	USENW SURF	10400	WR 2	MIKE EN
521115	USENW AIRD	500	WR	KING E
530317	USNTS TOWR	16	WR	ANNIE E
530324	USNTS TOWR	24	WR	NANCY E
530331	USNTS TOWR	0.2	WR	RUTH E
530406	USNTS AIRD	11	WR	DIXIE E
530411	USNTS TOWR	0.2	WR	RAY E
530418	USNTS TOWR	23	WR	BADGER E
530425	USNTS TOWR	43	WR	SIMON E
530508	USNTS AIRD	27	WE	ENCORE E
530519	USNTS TOWR	32	WR	HARRY E
530525	USNTS ART	15	WR	GRABLE E
530604	USNTS AIRD	61	WR	CLIMAX E
530812	CP TOWR	200-300		JOE 4 N
530823	CP ATMO			JOE 5-7 N
531014	223000.0 GBEMU TOWR		28S	135E TOTEM B
531026	223000.0 GBEMU TOWR			B
540228	USBKN SURF	15000	WR 2	BRAVO EN
540326	USBKN BARG	11000	WR 2	ROMEO EN
540406	USBKN SURF	110	WR	KOON E
540425	USBKN BARG	6900	WR 2	UNION EN
540504	USBKN BARG	13500	WR 2	YANKEE EN
540513	USENW BARG	1690	WR 2	NECTAR EN
540914	053600.0 CP	55.000N 64.000E		N
550218	USNTS AIRD	1	WE	WASP E
550222	USNTS TOWR	2	WR	MOTH E
550301	USNTS TOWR	7	WR	TESLA E
550307	USNTS TOWR	43	WR	TURK E
550312	USNTS TOWR	4	WR	HORNET E
550322	USNTS TOWR	8	WR	BEE E
550323	USNTS CRAT	1	WE	ESS E
550329	USNTS TOWR	14	WR	APPLE-1 E
550329	USNTS AIRD	3	WR	WASP p E
550406	USNTS AIRD	3	WE	HA E
550409	USNTS TOWR	2	WR	POST E
550415	USNTS TOWR	22	WE	MET E
550505	USNTS TOWR	29	WR	APPLE-2 E
550515	USNTS TOWR	28	WR	ZUCCHINIE
550514	USPAC UNDW	30	WE	WIGWAM EN

550729	CP	5		N	
550802	CP	25	P	N	
550921	CP	20	P	N	
551106	CPKTS AIRB	215		U	N
551122	CPKTS AIRD	1600			N
560118	USNTS SURF	SLIGHT		SF	PROJ 56 E
560320	CP			N	
560330	CP			N	
560504	USENW SURF	40		WR	LACROSSEE
560502	USBKN AIRD	3400		WR	CHEROKE EN
560516	GBMBI TOWR				MOSAIC B
560527	USBKN SURF	3500		WR 2	ZUNI EN
560527	USENW TOWR	0.19		WR	YUMA EN
560530	USENW TOWR	16.8		WR	ERIE E
560606	USENW SURF	13.7		WR	SEMINOLEE
560611	USBKN BARG	365		WR	FLATHEADEN
560611	USENW TOWR	8.5		WR	BLACKFOOE
560613	USENW TOWR	1.4		WR	KICKAPOOE
560616	USENW AIRD	1.9		WR	OSAGE E
560619	GBMBI TOWR				B
560621	USENW TOWR	16		WR	INCA E
560625	USBKN BARG	1000		WR	DAKOTA EN
560702	USENW TOWR	350		WR	MOHAWK EN
560708	USENW BARG	1900		WR	APACHE EN
560710	USBKN BARG	4500		WR 2	NAVAJO EN
560720	USBKN BARG	5000		WR 2	TEWA EN
560721	USENW BARG	270		WR	HURON EN
560824	CP ATMO	11000			N
560830	CP ATMO	g20			N
560902	CP ATMO				N
560910	CP ATMO				N
560927	GBMAR TOWR	g100			BUFFALO B
561004	GBMAR SURF	LOW			B
561011	GBMAR AIRD	LOW			B
561022	GBMAR TOWR	g100			B
561117	CP ATMO				N
570119	CP ATMO				N
570308	CP ATMO				N
570403	CP ATMO				N
570406	CP ATMO				N
570410	CP ATMO				N
570412	CP ATMO				N
570416	CP ATMO				N
570515	193700.0 GBCHR AIRD	F300			2 GRAPPLE B
570528	USNTS TOWR	12		WR	BOLTZMANE
570531	194100.0 GBCHR AIRD	720			I B
570602	USNTS TOWR	.140		WR	FRANKLINE
570605	USNTS BALN	.0005		WR	LASSEN E
570618	USNTS BALN	10		WR	WILSON E
570619	194000.0 GBCHR AIRD	F200			2 B
570624	USNTS BALN	37		WR	PRISCILLE
570705	USNTS BALN	74		WR	HOOD E
570715	USNTS TOWR	17		WR	DIABLO E

570719	USNTS ROCH	2	WE	JOHN E	
570724	USNTS TOWR	10	WR	KEPLER E	
570725	USNTS BALN	9.7	WR	OWENS E	
570807	USNTS RC	SLIGHT	SF	PASCAL-AE	
570807	USNTS BALN	19	WR	STOKES E	
570810	USNTS TUNN	0	SF	SATURN E	
570818	USNTS TOWR	17	WR	SHASTA E	
570822	CP	HIGH		N	
570823	USNTS BALN	11	WR	DOPPLER E	
570827	USNTS RC		SF	PASCAL-BE	
570830	USNTS BALN	4.7	WR	FRANKLINE	
570831	USNTS TOWR	44	WR	SMOKY E	
570902	USNTS TOWR	11	WR	GALILEO E	
570906	USNTS BALN	.197	WR	WHEELER E	
570906	USNTS SURF	0.3	SF	COLOUMBBE	
570908	USNTS BALN	1	WR	LAPLACE E	
570914	USNTS TOWR	11	WR	FIZEAU E	
570914	053000.0 GBMAR TOWR	120		ANTLER B	
570916	USNTS BALN	12	WR	NEWTON E	
570919	USNTS TUNN	1.7	WR	RAINIER E	
570923	USNTS TOWR	19	WR	WHITNEY E	
570924	CPNZ	g1000 73.000N 055.000E		N	
570925	003000.0 GBMAR TOWR	g100		B	
570926	CPKTS UNDW	7-70		N	
570928	USNTS BALN	12	WR	CHARLESTE	
571006	085800.0 CPNZ ATMO	HIGH 73.000N 055.000E			N
571007	USNTS BALN	8	WR	MORGAN E	
571009	073000.0 GBMAR BALN	g100		B	
571010	065500.0 CPNZ ATMO	LOW		N	
571108	174700.0 GBCHR AIRD	1800		2 GRAPPLE B	
571206	USNTS RC	SLIGHT	SF	PASCAL-CE	
571209	USNTS SURF	0.5	SF	COULOMBCE	
571228	CP ATMO			N	
580222	USNTS TUNN	11	SF	VENUS E	
580223	CPNZ ATMO	g1000 73.000N 055.000E			N
580227	075900.0 CPNZ ATMO	g1000 73.000N 055.000E			N
580227	102400.0 CPNZ ATMO	HIGH 73.000N 055.000E			N
580314	USNTS TUNN	11	SF	URANUS E	
580314	CPNZ ATMO	11000 73.000N 055.000E			N
580314	CP ATMO	11000		N	
580315	CP ATMO	11000		N	
580320	CPNZ ATMO	LOW 73.000N 055.000E			N
580321	CP ATMO	LOW		N	
580322	CPNZ ATMO	g20 73.000N 055.000E			N
580428	USPAC BALN	1.7	WE	YUCCA E	
580428	190500.0 GBCHR AIRD	g1000		GRAPPLE B	
580505	USENW SURF	18	WR	CACTUS E	
580511	USBKN BARG	1300	WR	FIR E	
580511	USENW BARG	90	WR	BUTTERNUE	
580512	USENW SURF	1370	WR 2	KOA EN	
580516	USENW UNDW	9	WE	WAHOO E	
580520	USENW BARG	6	WR	HOLLY E	
580521	USBKN BARG	24	WR	NUTMEG E	

580526	USENW BARG	350	WR	YELLOWWOE	
580526	USENW BARG	61	WR	MAGNOLIAE	
580530	USENW BARG	15	WR	TOBACCO E	
580531	USBKN BARG	130	WR	SYCAMOREE	
580602	USENW BARG	18	WR	ROSE E	
580608	USENW UNDW	9	WE	UMBRELLAE	
580610	USBKN BARG	195	WR	MAPLE E	
580614	USBKN BARG	320	WR	ASPEN E	
580614	USENW BARG	1.5	WR	WALNUT E	
580618	USENW BARG	10	WR	LINDEN E	
580627	USBKN BARG	415	WR	REDWOOD E	
580627	USENW BARG	875	WR	ELDER E	
580628	USENW BARG	8900	WR 2	OAK EN	
580629	USBKN BARG	13	WR	HICKORY E	
580701	USENW BARG	5	WR	SEQUOIA E	
580702	USBKN BARG	220	WR	CEDAR E	
580705	USENW BARG	390	WR	DOGWOOD E	
580712	USBKN BARG	9300	WR	POPLAR E	
580714	USENW BARG	low	SF	SCAEVOLAE	
580717	USENW BARG	250	WR	PISONIA E	
580722	USBKN BARG	62	WR	JUNIPER E	
580722	USENW BARG	195	WR	OLIVE E	
580726	USENW BARG	2000	WR	PINE E	
580801	USJON ROCH	3800	WE	TEAK E	
580806	USENW SURF	FIZZ	WR	QUINCE E	
580812	USJON ROCH	3800	WE	ORANGE E	
580818	USENW SURF	low	WR	FIG E	
580822	180000.0 GBCHR BALN	g100			B
580827	USSAT ROCH	1-2	WE	ARGUS 1 E	
580830	USSAT ROCH	1-2	WE	ARGUS 2 E	
580902	172400.0 GBCHR AIRD	g1000			B
580906	USSAT ROCH	1-2	WE	ARGUS 3 E	
580911	174800.0 GBCHR AIRD	g1000			B
580912	USNTS RC	.038	SF	OTERO E	
580917	USNTS RC	.015	SF	BERNALILE	
580919	USNTS BALN	.083	WR	EDDY E	
580920	CPNZ ATMO	73.000N 055.000E			N
580921	USNTS RC	1.5	SF	LUNA E	
580923	USNTS TUNN		SF	MERCURY E	
580923	175800.0 GBCHR BALN	g100			B
580926	USNTS RC	.002	SF	VALENCIAE	
580928	USNTS TUNN	.013	SF	MARS E	
580929	USNTS BALN	2	WR	MORA E	
580930	075000.0 CPNZ ATMO	50+ 73.000N 055.000E			N
580930	095500.0 CPNZ ATMO	50+ 73.000N 055.000E			N
581002	080000.0 CPNZ ATMO	g20 73.000N 055.000E			N
581002	090100.0 CPNZ ATMO	73.000N 055.000E			N
581005	USNTS RC	5.5	SF	COLFAX E	
581005	USNTS BALN	77	SF	HIDALGO E	
581005	060000.0 CPNZ ATMO	73.000N 055.000E			N
581008	USNTS TUNN	72	WR	TAMALPA E	
581010	USNTS TOWR	79	WR	QUAY E	
581010	075100.0 CPNZ ATMO	HIGH 73.000N 055.000E			N

581012	075300.0	CPNZ	ATMO	g1000	73.000N	055.000E			N
581013		USNTS	BALN	1.4		WR	LEA	E	
581014		USNTS	TUNN	0.115		SF	NEPTUNE	E	
581015		USNTS	TOWR	1.2		WR	HAMILTONE		
581015	075100.0	CPNZ	ATMO	g1000	73.000N	055.000E			N
581016		USNTS	TUNN	5		WR	LOGAN	E	
581016		USNTS	BALN	37		WR	DONA ANAE		
581017		USNTS	SURF	24		SF	VESTA	E	
581018		USNTS	TOWR	90		WR	RIOARRIBE		
581018	095100.0	CPNZ	ATMO	g1000	73.000N	055.000E			N
581019	072700.0	CPNZ	ATMO	LOW	73.000N	055.000E			N
581020	082000.0	CPNZ	ATMO	g1000	73.000N	055.000E			N
581022		USNTS	BALN	6		WR	SOCORRO	E	
581022		USNTS	BALN	115		WR	WRANGELLE		
581022		USNTS	BALN	188		WR	RUSHMOREE		
581022	082100.0	CPNZ	ATMO	g1000	73.000N	055.000E			N
581024		USNTS	TOWR	21		SF	CATRON	E	
581024		USNTS	SURF	1.7		SF	JUNO	E	
581024	080300.0	CPNZ	ATMO	HIGH	73.000N	055.000E			N
581025	082000.0	CPNZ	ATMO	HIGH	73.000N	055.000E			N
581026		USNTS	TOWR	0.7		SF	CERES	E	
581026		USNTS	BALN	4.9		WR	SANFORD	E	
581026		USNTS	BALN	2.2		WR	DE BACA	E	
581027		USNTS	TOWR	0.6		SF	CHAVEZ	E	
581029		USNTS	TUNN	55		WR	EVANS	E	
581029		USNTS	TOWR	7.8		WR	HUMBOLDTE		
581030		USNTS	BALN	1.3		WR	SANTA FEE		
581030		USNTS	TUNN	22		WR	BLANCA	E	
581030		USNTS	TOWR	0.2		SF	TITANIA	E	
581101		CP	ATMO	LOW				N	
581103		CP	ATMO	LOW				N	
600213	070400.0	FRREG	TOWR	60-70	26.317N	000.067W	WE P	g BLEUE	N
600401	061700.0	FRREG	SURF	120	26.100N	000.150W	WR P	g BLANCHN	
601227	073000.0	FRREG	TOWR	1.6			WE P	g ROUGE	N
610425	060000.0	FRREG	TOWR	FIZ0.7			P	g VERTE	N
610901		CPKTS	ATMO	150	50.000N	078.000E			N
610904		CPKTS	ATMO	10-80	50.000N	078.000E			N
610905		CPKTS	ATMO	LOW	50.000N	078.000E			N
610906		CPKPY	ATMO	25	48.450N	044.300E			N
610910	090000.0	CPNZ	ATMO	g1000	73.000N	055.000E			N
610910		CPNZ	ATMO	LOW	73.000N	055.000E			N
610912	100800.0	CPNZ	ATMO	g1000	73.000N	055.000E			N
610913		CPNZ	ATMO	LOW	73.000N	055.000E			N
610913		CPKTS	ATMO	LOW	50.000N	078.000E			N
610914	095616.7	CPNZ	ATMO	g1000	74.600N	051.100E			N
610915		USNTS	TUNN	2.6		WR	ANTLER	E	
610916		USNTS	SHFT	LOW		WR	SHREW	E	
610916	090800.0	CPNZ	ATMO	g1000	73.000N	055.000E			N
610917		CPKTS	ATMO	20-150	50.000N	078.000E			N
610918	075936.8	CPNZ	ATMO	g1000	74.000N	052.000E			N
610920	081200.0	CPNZ	ATMO	g1000	73.000N	055.000E			N
610922	080100.0	CPNZ	ATMO	g1000	73.000N	055.000E			N
611002	103100.0	CPNZ	ATMO	g1000	73.000N	055.000E			N

611004	073054.8	CPNZ	ATMO	g1000	73.700N	053.800E			N
611006	070000.0	CPNZ	ATMO	g1000	73.000N	055.000E			N
611006		CPKPY	ATMO	~200				N	
611008		CPNZ	ATMO	LOW	73.000N	055.000E			N
611001		USNTS	SHFT	LOW		WR	BOOMER	E	
611010		USNTS	TUNN	LOW		WR	CHENA	E	
611011	073959.9	CP	UNDG	I20	49.772N	077.995E			A
611012		CPKTS	ATMO	LOW	50.000N	078.000E			N
611020		CPNZ	ATMO	g1000	73.000N	055.000E			N
611021		CPSYS	ATMO	I5				N	
611023	083122.1	CPNZ	ATMO	25000	73.900N	053.800E			N
611023	103048.8	CPNZ	UNDW	LOW	70.700N	053.500E			N
611025	083300.0	CPNZ	ATMO	I1000	73.000N	055.000E			N
611027	083026.6	CPNZ	ATMO	20-150	70.700N	053.500E			N
611027		CPSYS	ATMO	I5				N	
611029		USNTS	SHFT	LOW		WR	MINK	E	
611030	083300.0	CPNZ	ATMO	58000	73.000N	055.000E			N
611031	082900.0	CPNZ	ATMO	g1000	73.000N	055.000E			N
611031	083800.0	CPNZ	ATMO	I1000	73.000N	055.000E			N
611102	084100.0	CPNZ		20-150	73.000N	055.000E			N
611104	072000.0	CPNZ	ATMO	g1000	73.000N	055.000E			N
611107	112959.9	FRECK	TUNN	8	24.057N	005.052E	WR	AGATE	N
611203		USNTS	SHFT	13.4		WR	FISHER	E	
611210		USCLS	SHFT	3		PS	GNOME	E	
611213		USNTS	SHFT	0.50		WR	MAD	E	
611217		USNTS	SHFT	LOW		WR	RINGTAILE		
611222		USNTS	TUNN	LOW		WR	FEATHER	E	
620109		USNTS	SHFT	5.1		WR	STOAT	E	
620118		USNTS	SHFT	6.4		WR	AGOUTI	E	
620130		USNTS	SHFT	LOW		WR	DORMOUSEE		
620202	080000.2	CPKTS	UNDG	I20	49.777N	078.001E			A
620208		USNTS	SHFT	3.07		WR	STILLWATE		
620209		USNTS	SHFT	7.1		WR	ARMADILOE		
620215		USNTS	SHFT	5.7		WE	HARD HATE		
620219		USNTS	SHFT	1.9		WR	CHINCHILE		
620219		USNTS	SHFT	LOW		WR	CODSAW	E	
620223		USNTS	SHFT	11.90		WR	CIMARRONE		
620224		USNTS	SHFT	LOW		WR	PLATYPUSE		
620301		GBNTS	SHFT	LOW			PAMPAS	E	
620305		USNTS	CRAT	0.43		WE	DANNYBOYE		
620306		USNTS	SHFT	LOW		WR	ERMINE	E	
620308		USNTS	SHFT	8.4		WR	BRAZOS	E	
620315		USNTS	SHFT	LOW		WR	HOGNOSE	E	
620328		USNTS	SHFT	3.40		WR	HOOSIC	E	
620331		USNTS	SHFT	LOW		WR	CHINCHI2E		
620405		USNTS	SHFT	10.6		WR	DORMOUSpE		
620406		USNTS	SHFT	LOW		WR	PASSAIC	E	
620412		USNTS	SHFT	LOW		WR	HUDSON	E	
620414		USNTS	TUNN	1.85		WR	PLATTE	E	
620421		USNTS	SHFT	LOW		WR	DEAD	E	
620425		USCHR	AIRD	20-1000		WR	ADOBE	E	
620427		USCHR	AIRD	20-1000		WR	AZTEC	E	
620427		USNTS	SHFT	LOW		WR	BLACK	E	

620501	100000.5	FRECK TUNN	g20 24.063N 005.042E	WR	BERYL	N
620502		USCHR AIRD	LOW 1000	WR	ARKANSASE	
620504		USCHR AIRD	20-1000	WR	QUESTA E	
620506		USPAC ROCH	600	WR	FRIGATEBEN	
620507		USNTS SHFT	LOW	WR	PACA E	
620508		USCHR AIRD	20-1000	WR	YUKON E	
620509		USCHR AIRD	20-1000	WR	MESILLA E	
620510		USNTS SHFT	LOW	WR	ARIKAREEE	
620511		USCHR AIRD	20-1000	WR	MUSKEGONE	
620511		USPAC UNDW	LOW	WE	SWORDFISE	
620512		USCHR AIRD	20-1000	WR	ENCINO E	
620512		USNTS SHFT	40	WR	AARDVARKE	
620514		USCHR AIRD	20-1000	WR	SWANEE E	
620519		USNTS SHFT	LOW	WR	EEL E	
620519		USCHR AIRD	20-1000	WR	CHETCO E	
620525		USNTS SHFT	LOW	WR	WHITE E	
620525		USCHR AIRD	LOW	WR	TANANA E	
620527		USCHR AIRD	20-1000	WR	NAMBE E	
620601		USNTS SHFT	LOW	WR	RACCOON E	
620606		USNTS SHFT	LOW	WR	PACKRAT E	
620608		USCHR AIRD	20-1000	WR	ALMA E	
620609		USCHR AIRD	20-1000	WR	TRUCKEE E	
620610		USCHR AIRD	g1000	WR 2	YESO EN	
620612		USCHR AIRD	20-1000	WR	HARLEM E	
620613		USNTS TUNN	LOW	WR	DESMOINEE	
620615		USCHR AIRD	20-1000	WR	RINCONADE	
620617		USCHR AIRD	20-1000	WR	DULCE E	
620619		USCHR AIRD	LOW	WR	PETIT E	
620621		USNTS SHFT	LOW	WR	DAMAN 1 E	
620622		USCHR AIRD	20-1000	WR	OTOWI E	
620627		USCHR AIRD	g1000	WR 2	BIGHORN EN	
620627		USNTS SHFT	67	WR	HAYMAKERE	
620628		USNTS TUNN	LOW	WE	MARSHMALE	
620630		USCHR AIRD	g1000	WR 2	BLUESTONEN	
620630		USNTS SHFT	LOW	WR	SACRAMENE	
620706		USNTS CRAT	104	PS	SEDAN E	
620707		USNTS SURF	LOW	WE	LFELLER1E	
620709		USJON ROCH	1400	WE 2	STARFISHEN	
620710		USCHR AIRD	20-1000	WR	SUNSET	
620711		USCHR AIRD	g1000	WR 2	PAMLICO EN	
620711		USNTS CRAT	0.5	WE	JOHNNIEBE	
620713		USNTS SHFT	20-1000	WR	MERRIMACE	
620714		USNTS TOWR	LOW	WE	SMALLBOYE	
620717		USNTS SURF	LOW	WE	LFELLER2E	
620727		USNTS SHFT	LOW	WR	WICHITA E	
620805	090900.0	CPNZ ATMO	30000 73.000N 055.000E			N
620807	093000.0	CPKTS ATMO	LOW 50.000N 078.000E			N
620810	090000.0	CPNZ ATMO	11000 73.000N 055.000E			N
620820	090214.1	CPNZ ATMO	g1000 74.300N 051.500E			N
620822	090000.0	CPNZ ATMO	g1000 73.000N 055.000E			N
620824		USNTS SHFT	LOW	WR	YORK E	
620824		USNTS SHFT	LOW	WR	BOBAC E	
620825	054000.0	CPKTS ATMO	LOW 50.000N 078.000E			N

620825	090000.0	CPNZ	ATMO	g1000	73.000N	055.000E		N
620827	090000.0	CPNZ	ATMO	1000+	73.000N	055.000E		N
620901	124000.0	CPNZ	ATMO		73.000N	055.000E		N
620902		CPNZ	ATMO	20-150	73.000N	055.000E		N
620906		USNTS	SHFT	LOW		WR	RARITAN E	
620908	101800.0	CPNZ	ATMO	g1000	73.000N	055.000E		N
620914		USNTS	SHFT	LOW		WR	HYRAX E	
620915	080213.9	CPNZ	ATMO	g1000	74.400N	051.500E		N
620916	105900.0	CPNZ	ATMO	g1000	73.000N	055.000E		N
620918	082902.7	CPNZ	ATMO	g1000	73.200N	054.700E		N
620919	110056.4	CPNZ	ATMO	20000	73.800N	053.800E		N
620920		USNTS	SHFT	LOW		WR	PEBA E	
620921	080100.0	CPNZ	ATMO	25000	73.000N	055.000E		N
620925	130300.0	CPNZ		25000	73.000N	055.000E		N
620927	080316.4	CPNZ	ATMO	g1000	74.300N	052.400E		N
620929		USNTS	SHFT	LOW		WR	ALLEGHENE	
621002		USJON	AIRD	20-1000		WR	ANDROSCOE	
621005		USNTS	SHFT	115		WR	MISSISSIE	
621006		USJON	AIRD	LOW		WR	BUMPING E	
621007	163200.0	CPNZ	ATMO	g20	73.000N	055.000E		N
621012		USNTS	SHFT	LOW		WR	ROANOKE E	
621012		USNTS	SHFT	LOW		WR	WOLVERINE	
621014		CPKTS	ATMO	LOW	50.000N	078.000E		N
621018		USJON	AIRD	g1000		WR 2	CHAMA E	
621018		USNTS	SHFT	LOW		WR	TIOGA E	
621019		USNTS	SHFT	LOW		WR	BANDICOOE	
621020		USJON	ROCH	LOW		WE	CHECKMATE	
621022	034100.0	CPKTS	ATMO	g100	50.000N	078.000E		N
621022	090600.0	CPNZ	ATMO	g1000	73.000N	055.000E		N
621026		USJON	ROCH	11000		WE	BLUEGIL E	
621027		USNTS	SHFT	LOW		WR	SANTEE E	
621027		USJON	AIRD	20-1000		WR	CALAMITYE	
621027	073500.0	CPNZ	ATMO	20-1000	73.000N	055.000E		N
621028	044100.0	CPKTS	ATMO	LOW	50.000N	078.000E		N
621029	073500.0	CPNZ	ATMO	20-1000	73.000N	055.000E		N
621030		USJON	AIRD	g1000		WR 2	HOUSATONEN	
621030		CPNZ	ATMO	20-1000	73.000N	055.000E		N
621101		USJON	ROCH	11000		WE	KINGFISHE	
621101	063000.0	CPNZ	ATMO	20-1000	73.000N	055.000E		N
621101	092000.0	CPKTS	ATMO	20-1000	50.000N	078.000E		N
621103	083100.0	CPNZ	ATMO	20-1000	73.000N	055.000E		N
621104		USJON	ROCH	LOW		WE	TIGHTROPE	
621104		CPKTS	ATMO	20-1000	50.000N	078.000E		N
621109		USNTS	SHFT	LOW		WR	ST.LAWREE	
621115		USNTS	SHFT	LOW		WR	GUNDI E	
621117		CPKTS	ATMO	LOW	50.000N	078.000E		N
621127		USNTS	SHFT	LOW		PS	ANACOSTIE	
621204		USNTS	SHFT	LOW		WR	TAUNTON E	
621207		GBNTS	SHFT	LOW			TENDRAC E	
621212		USNTS	TUNN	LOW		WR	MADISON E	
621212		USNTS	SHFT	LOW		WR	NUMBAT E	
621214		USNTS	SHFT	LOW		WR	MANATEE E	
621218		CPNZ	ATMO	20-1000	73.000N	055.000E		N

621218	CPNZ ATMO	20-1000	73.000N	055.000E		N	
621220	CPNZ ATMO	20-1000	73.000N	055.000E		N	
621222	CPNZ ATMO	20-1000	73.000N	055.000E		N	
621223	111500.0 CPNZ ATMO	500-5000	73.000N	055.000E			N
621224	104421.9 CPNZ ATMO		74.200N	052.300E		N	
621224	111142.0 CPNZ ATMO	20000	73.600N	057.500E			N
621225	133557.2 CPNZ ATMO	500-5000	73.400N	056.500E			N
630208	USNTS SHFT	LOW		WR CASSELMAE			
630208	USNTS SHFT	LOW		WR ACUSHI E			
630208	USNTS SHFT	LOW		WR FERRET E			
630208	USNTS SHFT	LOW		WR HATCHIE E			
630215	USNTS SHFT	LOW		WR CHIPMUNKE			
630221	USNTS SHFT	LOW		PS KAWEAH E			
630221	USNTS SHFT	LOW		WR CARMEL E			
630301	USNTS SHFT	LOW		WR JERBOA E			
630315	USNTS SHFT	LOW		WR TOYAH E			
630318	100100.4 FRECK SH?	4.9	4.86	24.041N	005.072E	WR	EMERAUDEN
630329	USNTS SH?	LOW		WR GERBIL E			
630330	095900.3 FRECK TUNN		120	24.043N	005.057E	WR	AMETHST N
630405	USNTS SHFT	LOW		WR FERRETPRE			
630410	USNTS SHFT	LOW		WR COYPU E			
630411	USNTS SHFT	LOW		WR CUMBERLAE			
630424	USNTS SHFT	LOW		WR KOOTANAIE			
630424	USNTS SHFT	LOW		WR PAISANO E			
630509	USNTS SHFT	LOW		WR GUNDIPRIE			
630517	USNTS SHFT	LOW		WR HARKEE E			
630517	USNTS SHFT	LOW		WR TEJON E			
630522	USNTS SHFT	20-1000		WR STONES E			
630529	USNTS SHFT	LOW		WR PLEASANTE			
630605	USNTS TUNN	LOW		WR YUBA E			
630606	USNTS SHFT	LOW		WR HUTIA E			
630606	USNTS SHFT	LOW		WR APSHAPAPE			
630614	USNTS SHFT	LOW		WR MATACO E			
630625	USNTS SHFT	LOW		WR KENNEBECE			
630812	USNTS SHFT	LOW		WR PEKAN E			
630815	USNTS SHFT	LOW		WR SATSOP E			
630823	1320 #NATCHES			059 NTS09	LLNL		
630823	1320 USNTSYSS1	LOW		WR NATCHES E			
630823	1320 #KHOCTON*			255 NTS09	LLNL		
630823	1320 USNTSYSS2	LOW		WR KOHOCTONE			
630913	USNTS SHFT	LOW		WR AHTANUM E			
630913	USNTS SHFT	249		WR BILBY E			
630927	USNTS SHFT	LOW		WR CARP E			
630927	USNTS SHFT	LOW		WR NARRAGUAE			
631011	USNTS SHFT	LOW		WR GRUNION E			
631011	USNTS SHFT	LOW		PS TORNILLOE			
631016	USNTS SHFT	20-1000		WR CLEARWATE			
631017	USNTS SHFT	LOW		WR MULLET			
631020	130000.0 FRECK TUNN	5.5	5.49	24.036N	005.039E	WR	RUBIS N
631026	USFAL SHFT	12		VU SHOAL E			
631114	USNTS SHFT	LOW		WR ANCHOVY E			
631115	USNTS SHFT	LOW		WR MUSTANG E			
631122	USNTS SHFT	20-1000		WR GREYS E			

641016	070000.0	PCLNR TOWR		20				N	
641016	2000	#HOOPOE				070	NTS03 LANL		
641016	2000	USNTSYSS1		120			WR HOOPOE	E	
641022	155959.2	USHTB SHFT	4.6		5.3	31.280N	089.440W	VU	SALMON E
641023		USNTS SHFT		120			WR GARDEN	E	
641025	075958.3	CPNZ UNDG	4.9		48	73.390N	053.900E		N
641031	170458.0	USNTS SHFT		120		37.080N	116.080W	WR	FOREST E
641105	150001.5	USNTS SHFT	4.8		12	37.110N	116.120W	PS	HANDCAR E
641116	055958.0	CPKTS UNDG			88	49.800N	078.170E		N
641128	103000.0	FRECK TUNN		120		24.042N	005.042E	WR	TURQUOI N
641205	211503.1	USNTS SHFT	4.8		20-200	37.080N	116.110W	WR	CREPE E
641205	2115	DRILL (SOURCE-LOWER)*					190	NTS02 LLNL	
641205	2115	USNTSYSS1		3.4			WR	DRILL-S	E
641205	2115	DRILL (TARGET-UPPER)					220	NTS02 LLNL	
641205	2115	USNTSYSS2		120			WR	DRILL-T	E
641216		USNTS SHFT		120			WR	CASSOWARE	
641216	200000.0	USNTS SHFT			1.3	37.020N	116.004W	WR	PARROT E
641216	201000.1	USNTS SHFT			2.7	37.001N	115.801W	WE	MUDPACK E
641218	193500.1	USNTS SHFT			0.092	37.045N	116.203W	PS	SULKY E
641223	1843	USNTSFSH?	2.8				**	N	
650114	160000.7	USNTS SHFT		120		37.07N	116.04W	WR	WOOL E
650116	055958.4	CPKTSBUNDG	5.8		100-150	49.935N	079.009E		SA A
650129		USNTS SHFT		120			WR	TERN	E
650204	152959.7	USNTS SHFT		120		37.08N	116.10W	WR	CASHMERE
650212		USNTS SHFT		120			WR	ALPACA	E
650216	173001.6	USNTS SHFT			10.1	36.99N	116.00W	WR	MERLIN E
650218	161847.3	USNTS SHFT		120		36.72N	115.94W	WE	WISHBONE
650219		USNTS SHFT		120			WR	SEERSUCKE	
650227	113000.0	FRECK TUNN	5.7		117	24.059N	005.031E	WR	SAPHIR N
650303	191303.2	USNTS SHFT		20-200		37.01N	116.08W	WR	WAGTAIL E
650303	061456.8	CPKTS DUNDG	5.5		120	49.824N	078.052E	GR	A
650320		USNTS SHFT		120			WR	SUEDE	E
650326	153410.6	USNTS SHFT		20-200		37.11N	116.09W	WR	CUP E
650405	210003.3	USNTS SHFT		120		36.95N	116.08W	WR	KESTREL E
650414	131402.6	USNTS CRAT			4.3	37.26N	116.54W	PS	PALANQUIE
650421	220003.4	USNTS TUNN	5.0		120	36.97N	116.23W	WE	GUM DROPE
650422		USNTS SHFT		120			WR	CHENILLE	
650423	214400.0	USNTS SHFT	3.7		120	37.017N	115.995	WR	MUSCOVY E
650507	154711.3	USNTS SHFT		120		37.14N	116.10W	WE	TEE E
650511	063957.3	CPKTS DUNDG	4.9		120	49.770N	077.994E	GR	A
650512	18150.04	USNTS SHFT		120		37.2N	116.5W	WR	BUTEO E
650514	173238.3	USNTS SHFT		120		37.07N	116.05W	WR	SCAUP E
650514	145756.3	USNTS SHFT			0.75	36.84N	116.07W	WR	CAMBRIC E
650514	020000.0	PCLNR AIRD		20-40					N
650521	130854.8	USNTS SHFT		120		37.07N	116.04W	WR	TWEED E
650530	110000.0	FRECK TUNN		120		24.055N	005.051E	WR	JADE N
650611	194500.4	USNTS SHFT			1.3	37.00N	116.05W	WR	PETREL E
650611		USNTS SHFT		120			WR	ORGANDY	E
650616	163000.0	USNTS SHFT		120		36.83N	116.06W	WE	DILUTEDWE
650617		USNTS TUNN		120			WE	TINY TOTE	
650617	034500.0	CPKTS DUNDG	5.2		120	49.828N	078.066E	GR	A
650716		USNTS SHFT		120			WR	IZZER	E
650722		USNTS SHFT		120			WR	PONGEE	E

650723	170002.0	USNTS SHFT	5.4	20-200	37.06N	116.03W	WR	BRONZE	E
650729	030500.2	CPKTS DUNDG	4.5	120	49.779N	077.998E	GR	A	
650806	172330.8	USNTS SHFT		120	37.02N	116.11W	WR	MAUVE	E
650821		USNTS SHFT	120				WR	TICKING	E
650827	135113.1	USNTS SHFT		120	37.08N	116.04W	WR	CENTAUR	E
650901	200759.7	#MOA			194	NTS03	LANL		
650901	200759.4	USNTSYSS1	4.2	120	36.99N	115.95W	WR	MOA	E
650901	200759.4	#SCREAMER*			302	NTS03	LANL		
650901	200759.4	USNTSYSS2	4.2	120	36.99N	115.95W	WE	SCREAMERE	
650910	171202.1	GBNTS SHFT	5.1	20-200	36.98N	115.99W		CHARCOALE	
650917	040000.1	CPKTS DUNDG	5.2	120	49.811N	078.146E	QP	A	
650917	150823.1	USNTS SHFT		120	37.06N	116.02W	WR	ELKHART	E
651001	100000.0	FRECK TUNN		120	24.065N	005.034E	WR	CORINDN	N
651008	060000.4	CPKTS DUNDG	5.4	120	49.825N	078.111E	QP	A	
651029	210003.6	USAMC SHFT	5.8	80	51.61N	179.22E	VU	LONGSHOTE	
651112	180000.0	USNTS SHFT		120	37.03N	116.01W	WR	SEPIA	E
651121	045758.2	CPKTS DUNDG	5.6	23	49.860N	078.040E	GR	A	
651123		USNTS SHFT	120				WR	KERMET	E
651201	103000.1	FRECK TUNN	4.9	10	24.044N	005.047E	WR	TOURMALIN	
651203	151304.5	USNTS SHFT	5.6	20-200	37.13N	116.02W	WR	CORDUROYE	
651216	153918.1	USNTS SHFT		120	37.08N	116.03W	WR	EMERSON	E
651216	191502.6	USNTS SHFT	5.3	20-200	37.02N	116.05W	WR	BUFF	E
651224	045958.2	CPKTS DUNDG	5.0	5.7	49.871N	078.135E	QP	A	
651225	185955	USNTSYSH?	3.6		37.0N	116.3W	**	N	
660113	153743.1	USNTS SHFT		120	37.17N	116.02W	WR	MAXWELL	E
660118		USNTS SHFT	120				WR	SIENNA	E
660118	183503.3	USNTS SHFT	5.2	20-200	37.10N	116.05W	WR	LAMPBLACE	
660121	182759.3	USNTS SHFT		120	37.03N	115.97W	WR	DOVEKIE	E
660122		USNTS SHFT	120				WR	REO	E
660203	181737.1	USNTS SHFT		120	37.07N	116.10W	WR	PLAID 2	E
660213	045757.5	CPKTS DUNDG	6.1	81	49.840N	078.158E	QP	A	
660216	110000.0	FRECK TUNN	4.9	13	24.044N	005.041E	WR	GRENAT	N
660224	155510.5	USNTS SHFT	5.0	19	37.17N	116.42W	WR	REX	E
660305	181500.7	USNTS TUNN		120	37.15N	116.11W	WE	RED HOT	E
660307	184100.5	#CINNAMON			120	NTS03	LANL		
660307	184100.5	USNTSYSS1		120	36.94N	116.13W	WR	CINNAMONE	
660307	184100.5	#FINFOOT*			196	NTS03	LANL,LLNL		
660307	184100.5	USNTSYSS2		120	36.94N	116.13W	WE	FINFOOT	E
660312	180413.2	USNTS SHFT		120	37.08N	116.09W	WR	CLYMER	E
660318	190002.7	USNTS SHFT		120	36.90N	116.15W	WR	PURPLE	E
660320	054957.8	CPKTS DUNDG	6.0	61	49.720N	078.070E	QP	A	
660324	145529.0	USNTS SHFT		120	37.05N	116.16W	PS	TEMPLAR	E
660401	184001.1	USNTS SHFT		120	37.05N	115.88W	WR	LIME	E
660406	135717.1	USNTS SHFT	4.4	120	37.08N	116.08W	WR	STUTZ	E
660407	222730.0	USNTS SHFT		120	37.01N	115.59W	WR	TOMATO	E
660414	141346.4	USNTS SHFT	5.4	70	37.20N	116.45W	WR	DURYEA	E
660421	035757.5	CPKTS DUNDG	5.3	11	49.808N	078.135E	GR	A	
660422	025804.0	CP UNDG	4.7	1.1	47.930N	047.690E		N	
660423		USNTS SHFT	120				WR	FENTON	E
660425	183803.3	USNTS SHFT	4.5	120	36.82N	115.96W	WE	PINSTRPEE	
660429		USNTS SHFT	120				WR	OCHRE	E
660504	133219.0	USNTS SHFT		120	37.17N	115.96W	WR	TRAVELR	E
660505	140003.1	USNTS SHFT	4.4	12	37.03N	116.02W	WR	CYCLAMENE	

660506	150003.1	USNTS SHFT	5.4	73	37.20N	116.19W	WR	CHARTREUE
660507	035758.0	CPKTS DUNDG	4.8	3.6	49.774N	078.149E	QP	A
660702	153400	FR ATMO		20S	140W		Z	
660719	150500	FR ATMO		20S	140W		TAMOURE Z	
660509	080000.0	PCLNR AIRD		200			N	
660512	193726.0	USNTS SHFT	4.3	120	37.08N	116.04W	WR	TAPESTRYE
660513	133000.0	USNTS SHFT	5.6	20-200	37.05N	116.02W	WR	PIRANNA E
660519	135628.1	USNTS SHFT	5.9	20-200	37.06N	116.03W	WR	DUMONT E
660527	200003.0	USNTS SHFT	5.0	22	37.10N	116.05W	WE	DISCUSTHE
660602	153001.8	USNTS TUNN	5.6	62	37.21N	116.00W	WE	PILEDRIVE
660603	140002.2	USNTS SHFT	5.7	20-200	37.03N	116.01W	WR	TAN E
660610	143002.6	USNTS SHFT		120	36.98N	116.03W	WR	PUCE E
660615		USNTS TUNN	120		WE		DOUBLEPLE	
660615		USNTS SHFT	20-200		WR		KANKAKEEE	
660625	171259.6	USNTS SHFT		25	37.10N	116.10W	PS	VULCAN E
660629	065757.6	CPKTS DUNDG	5.6	23	49.847N	078.101E	GR	A
660630	221502.7	USNTS SHFT	6.1	365	37.32N	116.28W	WR	HALFBEAKE
660702	153400.0	FRMUR BARG		30		WR P	ALDEBAR N	
660719	150500.0	FRFAN AIRD		60		WR P	TAMOURE N	
660721	035757.5	CPKTS DUNDG	5.3	11	49.738N	078.140E	QP	A
660728	153332.5	USNTS SHFT		120	37.00N	115.89W	PS	SAXON E
660805	035757.9	CPKTS DUNDG	5.4	14	49.830N	078.050E	GR	A
660810	131603.0	USNTS SHFT		120	37.3N	116.0W	WR	ROVENA E
660812		USNTS	120		WR		TANGERINE	
660819	035301.4	CPKTS DUNDG	5.1	7.3	50.500N	077.860E	QP	A
660907	035158.1	CPKTS DUNDG	4.8	3.6	49.940N	077.920E	GR	A
660911	173000.0	FRMUR BALN		120	20S	140W	WR P	BETELGEUN
660912	152959.8	USNTS SHFT	4.6	120	36.84N	115.92W	WE	DERRINGEE
660923	175958.5	USNTS SHFT		120	37.13N	116.02W	WR	DAIQUIRIE
660924	170000.0	FRFAN BARG		150		WRPB	RIGEL N	
660929	144532.1	USNTS SHFT		120	37.12N	115.98W	WR	NEWARK E
660930	055952.8	CP UNDG	5.1	30	38.950N	064.540E		N
661004	210000.0	FRMUR BARG		300	20S	140W	WRPB	SIRIUS N
661015		USNTS SHFT	120		WR		KHAKI E	
661019	035757.8	CPKTS DUNDG	5.6	23	49.770N	078.030E	GR	A
661027	011000.0	PCLNR ATMO		20+			N	
661027	055757.9	CPNZ UNDG	6.3	422	73.400N	054.570E		N
661105	144501.2	USNTS SHFT		120	37.17N	115.96W	PS	SIMMS E
661111	120000.7	USNTS SHFT		120	37.10N	116.00W	WR	AJAX E
661118	150201.7	USNTS SHFT		120	37.00N	116.07W	WR	CERISE E
661122		USNTS SHFT	120		WR		VIGIL E	
661203		USHTB SHFT	.380		VU		STERLNG E	
661203	050203.5	CPKTS DUNDG	4.8	3.6	49.720N	077.900E	GR	A
661213	210002.7	USNTS SHFT	4.6	120	36.82N	115.96W	WE	NEWPOINNE
661213		USNTS SHFT	120		WR		SIDECAR E	
661218	045757.4	CPKTS MUNDG	5.8	38	49.922N	077.766E	PO	A
661220	153001.9	USNTS SHFT	6.3	870	37.32N	116.36W	WR	GREELEY E
661228	040000.0	PCLNR TOWR		300+			N	
670118		USNTS SHFT	120		WR		RIVET I E	
670119	164502.5	USNTS SHFT	5.3	20-200	37.14N	116.18W	WR	NASH E
670120	174005.5	USNTS SHFT	5.3	20-200	37.08N	116.01W	WR	BOURBON E
670126		USNTS SHFT	120		WR		RIVET IIE	
670130	040157.9	CPKTS DUNDG	4.8	3.6	49.900N	078.000E	QS	A

670208	151500.1	USNTS SHFT	4.6	120	37.19N	116.02W	WR	WARD	E
670226	035757.3	CPKTSDUNDG	6.0	61	49.750N	078.125E	QP	A	
670302	150000.0	USNTS SHFT		120	37.09N	116.02W	WR	RIVET 3	E
670303		USNTS SHFT	120			WR	MUSHROOME		
670310		USNTS SHFT	120			WR	FIZZ	E	
670325	055758.9	CPKTSDUNDG	5.3	11	49.780N	078.060E	GR	A	
670404		USNTS SHFT	120			WR	OAKLAND	E	
670406		USNTS SHFT	120			WR	HEILMAN	E	
670407	150000.0	USNTS SHFT		120	37.054N	116.022W	WR	FAWN	E
670420	040757.6	CPKTSDUNDG	5.5	18	49.731N	078.148E	QP	A	
670421	150900.0	USNTS SHFT		120	37.017N	116.038W	WR	CHOCOLATE	
670427	144500.0	USNTS SHFT		120	37.139N	116.064W	WR	EFFENDI	E
670510	134000.0	USNTS SHFT	4.9	20-200	37.078N	116.995W	WR	MICKEY	E
670520	150000.2	USNTS SHFT	5.8	250	37.130N	116.064W	WR	COMMODORE	
670523	140000.0	USNTS SHFT	5.7	155	37.275N	116.370W	WR	SCOTCH	E
670526		USNTS SHFT	120			WR	ABSINTHEE		
670526	150000.0	USNTS SHFT	5.4	76	37.248N	116.480W	WR	KNICKERBE	
670528	040757.7	CPKTSDUNDG	5.4	14	49.810N	078.110E	QP	A	
670603	092059.0	CP UNDG	4.5	1.5	50.000N	077.000E		N	
670605	190000.0	FRMUR BALN		1100	20S	140W	WR U	ALTAIR	N
670617	001907.9	PCLNR AIRD		3000				N	
670622	131000.0	USNTS		120	37.126N	116.029W	PS	SWITCH	E
670626	160000.0	USNTS TUNN	5.1	120	37.202N	116.208W	WE	MIDI m	E
670627	193000.0	FRMUR BALN		1100	20S	140W	WR U	ANTARES	N
670629	112500.0	USNTS SHFT	4.6	120	37.029N	116.023W	WE	UMBER	E
670629	025657.8	CPKTSDUNDG	5.3	11	49.870N	078.100E	GR	A	
670702	173000.0	FRMUR BALN		1100	20N	140W	WR U	ARCTURUS	N
670707	220000	FR ATMO		20N	140W			Z	
670714		USNTS SHFT	120			WR	VITO	E	
670715	032657.6	CPKTSDUNDG	5.4	14	49.880N	078.160E	QP	A	
670727	130000.0	USNTS SHFT	5.0	20-200	37.149N	116.049W	WR	STANLEY	E
670804	065758.0	CPKTSDUNDG	5.3	11	49.820N	078.050E	GR	A	
670804		USNTS SHFT	120			WR	GIBSON	E	
670810	141000.0	USNTS SHFT		120	37.157N	116.047W	WR	WASHER	E
670818	201230.0	USNTS SHFT	4.6	120	37.012N	116.036W	WR	BORDEAUXE	
670824		USNTS SHFT	120			WR	LEXINGTOE		
670831	163000.0	USNTS TUNN	5.0	120	37.178N	116.209W	WE	DOOR m	E
670907	134500.0	USNTS SHFT	5.0	20-200	37.153N	116.053W	WR	YARD	E
670915		USNTS SHFT	120			WR	GILROY	E	
670916	040357.8	CPKTSMUNDG	5.3	11	49.953N	077.756E	SA	A	
670921	204500.0	USNTS SHFT		2.2	37.166N	116.038W	PS	MARVEL	E
670922	050357.4	CPKTSMUNDG	5.2	9.2	49.972N	077.726E	AL	A	
670927	170000.0	USNTS SHFT	5.7	20-200	37.099N	116.053W	WR	ZAZA	E
671006	070002.5	CP UNDG	4.7	5.2	57.710N	065.220E		N	
671017	050358.0	CPKTSDUNDG	5.6	23	49.800N	078.030E	GR	A	
671018	143000.0	USNTS SHFT	5.7	20-200	37.116N	116.058W	WR	LANPHER	E
671021	045958.4	CPNZ UNDG	5.9	93	73.400N	054.420E		N	
671025		USNTS SHFT	120			WR	COGNAC	E	
671025		USNTS SHFT	120			WR	WORTH	E	
671025	143000.6	USNTS SHFT		120	37.032N	116.026W	WR	SAZERAC	E
671030	060357.9	CPKTSDUNDG	5.3	11	49.810N	078.020E	GR	A	
671108	150000.0	USNTS SHFT	5.1	120	37.092N	116.036W	WR	COBBLER	E
671122	040357.6	CPKTSMUNDG	4.8	3.6	49.980N	077.777E	AL	A	

671206	USNTS SHFT	120		WR	POLKA	E		
671208	060357.4 CPKTS DUNDG	5.4	14	49.880N	078.210E	QP	A	
671210	193000.1 USFMT SHFT	4.8	29	36.678N	107.208W	PS	GASBUGGYE	
671215	150000.0 USNTS SHFT		120	37.367N	116.002W	WR	STILT	E
671224	040000.0 PCLNR AIRD		15-25			N		
680118	034657.6 CPKTS DUNDG	5.1	7.3	49.740N	078.020E	GR	A	
680118	163000.0 USNTS SHFT		7.4	37.146N	116.066W	WE	HUPMOBILE	
680119	150000.0 USNTS SHFT		20-200	37.156N	116.054W	WR	STACCATOE	
680119	181500.0 USCNV SHFT	6.3	200-1000	38.634N	116.215W	WR	FAULTLESE	
680124	USNTS SHFT	120		WR	BRUSH	E		
680126	160000.0 USNTS CRAT		2.3	37.281N	116.514W	PS	CABRIOLEE	
680131	USNTS SHFT	120		WR	MALLET	E		
680221	USNTS SHFT	120		WR	TORCH	E		
680221	153000.0 USNTS SHFT	5.8	20-200	37.117N	116.054W	WR	KNOX	E
680229	170830.0 USNTS TUNN	5.0	120	37.018N	116.021W	WE	DORSLFINE	
680305	USNTS SHFT	120		WR	RUSSET	E		
680312	170400.1 BUGGY-A			50	NTS30	LLNL		
680312	170400.1 USNTSBCRAT	1.08		37.008N	116.037W	PS	BUGGY-A	E
680312	170400.1 BUGGY-B			50	NTS30	LLNL		
680312	170400.1 USNTSBCRAT	1.08		37.008N	116.037W	PS	BUGGY-B	E
680312	170400.1 BUGGY-C			50	NTS30	LLNL		
680312	170400.1 USNTSBCRAT	1.08		37.008N	116.037W	PS	BUGGY-C	E
680312	170400.1 BUGGY-D			50	NTS30	LLNL		
680312	170400.1 USNTSBCRAT	1.08		37.008N	116.037W	PS	BUGGY-D	E
680312	170400.1 BUGGY-E			50	NTS30	LLNL		
680312	170400.1 USNTSBCRAT	1.08		37.008N	116.037W	PS	BUGGY-E	E
680314	USNTS SHFT	1.5		WR	POMMARD	E		
680322	150000.0 USNTS SHFT	5.6	20-200	37.333N	116.311W	WR	STINGER	E
680325	184427.0 USNTS SHFT		120	36.872N	115.931W	WE	MILKSHKEE	
680404	USNTS SHFT	120		WR	BEVEL	E		
680410	140000.0 THROW			231	NTS02	LLNL		
680410	140000.0 USNTSYSS1	4.6	120	37.154N	116.079W	WR	THROW	E
680410	140000.0#NOOR			382	NTS02	LLNL 2		
680410	140000.0 USNTSYSS2	4.6	20-200	37.154N	116.079W	WR	NOOR	E
680418	140500.0 USNTS SHFT	4.9	20-200	37.153N	116.037W	WR	SHUFFLE	E
680423	170130.0 USNTS SHFT		120	37.338N	116.376W	VU	SCROLL	E
680424	103557.3 CPKTS DUNDG	5.0	5.7	49.840N	078.070E	QP	A	
680426	150000.1 USNTS SHFT	6.2	1300	37.295N	116.456W	WR 2	BOXCAR	EN
680503	USNTS SHFT	120		WR	HATCHET	E		
680508	USNTS SHFT	120		WR	CROCK	E		
680517	130000.0 USNTS SHFT	4.7	20-200	37.120N	116.059W	WR	CLRKSMOBE	
680521	035910.0 CP UNDG	5.4	47	38.890N	065.100E		N	
680528	USNTS SHFT	120		WR	ADZE	E		
680605	USNTS SHFT	120		WR	WEMBLEY	E		
680606	213000.0 TUB-A			189	NTS10	LLNL		
680606	213000.0 USNTSYSS1		120	37.167N	116.045W	WR	TUB-A	E
680606	213000.0 TUB-B			189	NTS10	LLNL		
680606	213000.0 USNTSYSS2		120	37.167N	116.045W	WR	TUB-B	E
680606	213000.0 TUB-C			189	NTS10	LLNL		
680606	213000.0 USNTSYSS3		120	37.167N	116.045W	WR	TUB-C	E
680606	213000.0 TUB-F			189	NTS10	LLNL		
680606	213000.0 USNTSYSS4		120	37.167N	116.045W	WR	TUB-F	E
680606	213000.0 TUB-D			273	NTS10	LLNL		

680606	213000.0	USNTSYSS5		120	37.167N	116.045W	WR	TUB-D	E
680611	030557.7	CPKTS DUNDG	5.2		9.2	49.800N	078.130E	QP	A
680615	140000.0	USNTS SHFT	5.9	20-200	37.265N	116.315W	WR	RICKEY	E
680619	050557.3	CPKTS BUNDG	5.3		13	49.982N	079.003E	SA	A
680625		USNTS SHFT		120			WR	FUNNEL	E
680625		USNTS SHFT		120			WR	SEVILLA	E
680628	122200.0	USNTS SHFT	5.3	20-200	37.246N	116.483W	WR	CHATEAUGE	
680701	040200.9	CP UNDG	5.5		25	47.850N	047.720E		N
680707	220000.0	FRMUR BALN		1100	20S	140W	WR U	ALTAIR	N
680712	120757.5	CPKTS DUNDG	5.3		11	49.766N	078.139E	GR	A
680715	190000.0	FRMUR BALN		450-500	20S	140W	WRUB	CASTOR	N
680717		USNTS SHFT		120			WR	SPUD	E
680730	130000.0	USNTS SHFT		20-200	37.162N	116.078W	WR	TANYA	E
680803	210000.0	FRMUR BALN		500			WR B	POLLUX	N
680809		USNTS SHFT		120			WR	IMP	E
680815		USNTS SHFT		120			WR	RACK	E
680820	040557.4	CPKTS DUNDG	4.8		3.6	49.820N	078.078E	GR	N
680824	183000.0	FRFAN BALN	4.9		2600	22.18S	139.08W	WRU2	CANOPUS N
680827	163000.0	USNTS SHFT		120	36.877N	115.931W	WE	DIANAMN	E
680829	224500.0	USNTS SHFT	5.9	20-200	37.250N	116.347W	WR	SLED	E
680905	040557.5	CPKTS KUNDG	5.4		14	49.750N	078.150E	GR	A
680906	140000.0	USNTS SHFT	5.8	20-200	37.032N	116.012W	WR	KNIFE A	E
680906	140000.1	USNTS SHFT	5.5	20-200	37.136N	116.047W	WR	NOGGIN	E
680908	190000.0	FRMUR BALN	4.7		1200	21.83	139.05	WR	PROCYON N
680917	171400.0	USNTS SHFT	5.1	20-200	37.205N	116.206W	PS	STODDRD	E
680924	170500.9	USNTS TUNN	5.0		120	37.205N	116.206W	WE	HUDSONSEE
680929	034257.4	CPKTS DUNDG	5.8		38	49.813N	078.175E	QP	A
681003		USNTS		120			WR	WELDER	E
681003	142900.0	USNTS SHFT		120	37.026N	115.993W	WR	KNIFE C	E
681010		USNTS SHFT		120			WR	VAT	E
681029		USNTS SHFT		120			WR	HULA	E
681031		USNTS SHFT		120			WR	FILE	E
681031		USNTS SHFT		120			WR	BIT	E
681031	1830	BIT-B			118	NTS03	LANL		
681031	1830	USNTSYSS1		120			WR	BIT-B	E
681031	1830	BIT-A			148	NTS03	LANL		
681031	1830	USNTSYSS1		120			WR	BIT-A	E
681104	151500.1	USNTS SHFT	5.0	20-200	37.131N	116.086W	WR	CREW	E
681104	1516	CREW-2ND			360	NTS02	LLNL		
681104	1516	USNTSYSS1		120			WR	CREW2ND	E
681104	1516	CREW3RD			360	NTS02	LLNL		
681104	1516	USNTSYSS1		120			WR	CREW3RD	E
681107	100205.4	CPNZ UNDG	6.0		119	73.390N	054.580E		N
681109	025357.7	CPKTS DUNDG	4.9		4.5	49.760N	078.060E	QP	A
681115		USNTS SHFT		120			WR	AUGER	E
681115	154500.0	USNTS SHFT		120	37.026N	116.033W	WR	KNIFE B	E
681120	180000.0	USNTS TUNN	4.9		120	37.010N	116.206W	WE	MINGVASEE
681122	161900.0	USNTS SHFT		120	37.140N	116.042W	WR	TINDERBOE	
681208	160000.1	USNTS CRAT	4.8		30	37.343N	116.566W	PS	SCHOONERE
681212	151000.1	TYG-A			198	NTS02	LLNL		
681212	151000.1	USNTSYSS1		120	37.119N	116.082W	WR	TYG-A	E
681212	151000.1	TYG-B			207	NTS02	LLNL		
681212	151000.1	USNTSYSS2		120	37.119N	116.082W	WR	TYG-B	E

681212	151000.1	TYG-C			228	NTS02	LLNL				
681212	150000.1	USNTSYSS3		120	37.119N	116.082W	WR	TYG-C	E		
681212	150000.1	TYG-D			228	NTS02	LLNL				
681212	150000.1	USNSTYSS4		120	37.119N	116.082W	WR	TYG-D	E		
681212	150000.1	TYG-E			251	NTS02	LLNL				
681212	150000.1	USNTSYSS5		120	37.119N	116.082W	WR	TYG-E	E		
681212	150000.1	TYG-F			265	NTS02	LLNL				
681212	150000.1	USNTSYSS6		120	37.119N	116.082W	WR	TYG-F	E		
681212		USNTS SHFT		120			WR	BAY LEAFE			
681212		USNTS SHFT		120			WR	SCISSORSE			
681218	050157.1	CPKTS DUNDG	5.0		5.7	49.720N	078.120E	GR		A	
681219	163000.0	USNTS SHFT	6.3		1150	37.231N	116.474W	WR 2		BENHAM	EN
681227	073000.0	PCLNR AIRD		3000				N			
690115	190000.1	USNTS SHFT			10.0	37.148N	166.066W	WE		PACKARD	E
690115	193000.0	USNTS SHFT	5.3		20-200	37.209N	116.225W	WR		WINESKINE	
690122		USNTS SHFT		120			WR	SHAVE	E		
690130		USNTS SHFT		120			WR	BIGGIN	E		
690130	150000.0	USNTS SHFT	4.9		20-200	37.053N	116.029W	WR		WISE	E
690204		USNTS SHFT		120			WR	NIPPER	E		
690204		USNTS SHFT		120			WR	WINCH	E		
690212	161820.1	USNTS TUNN			120	37.169N	116.211W	WE		CYPRESS	E
690307	082657.6	CPKTS DUNDG	5.6		23	49.840N	078.150E	GR		A	
690318		USNTS SHFT		120			WR	VALISE	E		
690318		USNTS SHFT		120			WR	CHATTY	E		
690320	181200.0	USNTS SHFT	4.4		120	37.022N	116.030W	WR		BARSAC	E
690321	143000.0	USNTS SHFT	4.9		1100	37.080N	116.087W	WR		COFFER	E
690424		USNTS SHFT		120			WR	GOURD	E		
690424	130400.2	GOURD-AMBER						181	NTS02	LLNL	
690424	130400.2	USNTSYSS1	3.8		120	37.002N	116.000W	WR		GOURD-AME	
690424	130400.2	GOURD-BROWN						227	NTS02	LLNL	
690424	130400.2	USNTSYSS2			120	37.002N	116.000W	WR		GOURD-BRE	
690430	170000.0	USNTS SHFT		20-200	36.081N	116.013W	WR			THISTLE	E
690430	170000.0	USNTS SHFT		20-200	36.081N	116.013W	WR			BLENTON	E
690507	134500.0	USNTS SHFT	5.5		20-200	37.238N	116.500W	WR		PURSE	E
690515		USNTS SHFT		120			WR	ALIMENT	E		
690516	040257.3	CPKTS DUNDG	5.2		9.2	49.780N	078.160E	GR		A	
690527		USNTS SHFT		120			WR	IPECAC	E		
690527	1300	IPECAC-A						124	NTS03	LANL	
690527	1300	USNTSYSS1		120			WR	IPECAC-AE			
690527	1300	IPECAC-B						124	NTS03	LANL	
690527	1300	USNTSYSS2		120			WR	IPECAC-BE			
690527	141500.0	USNTS SHFT	5.0		20-200	37.076N	115.995W	WR		TORRIDO	E
690531	050156.8	CPKTS MUNDG	5.3		11	49.967N	077.728E	AL		A	
690612	140000.0	USNTS SHFT	4.5		120	37.053N	116.030W	WR		TAPPER	E
690626		USNTS SHFT		120			WR	BOWL	E		
690626	1500	BOWL-1	4.0					198	NTS02	LLNL	
690626	1500	USNTSYSS1		120			WR	BOWL-1	E		
690626	1500	BOWL-2						198	NTS02	LLNL	
690626	1500	USNTSYSS2		120			WR	BOWL-2	E		
690704	024657.3	CPKTS DUNDG	5.2		9.2	49.760N	078.200E	QP		A	
690716	130230.0	USNTS SHFT	4.6		20-200	37.119N	116.055W	WR		ILDRIM	E
690716	145500.0	USNTS SHFT	5.5		20-200	37.139N	116.088W	WR		HUTCH	E
690723	024657.6	CPKTS DUNDG	5.4		14	49.817N	078.170E	QP		A	

680814	1330	SPIDER-A			207	NTS02	LLNL		
690814	1330	USNTSYSS1	120			WR	SPIDER-AE		
690814	1330	SPIDER-B			229	NTS02	LLNL		
690814	1330	USNTSYSS2	120			WR	SPIDER-BE		
690827	134500.0	USNTS SHFT		120	37.021N	116.038W	WR	PLIERS	E
690827		USNTS SHFT	120			WR	HOREHOUNE		
690902	050000.0	CP UNDG	4.9	8	57.500N	054.700E		N	
690908	045955.0	CP UNDG	4.9	8	57.300N	056.000E		N	
690910		USGRV SHFT	40			PS	RULISON	E	
690911	040157.5	CPKTS DUNDG	5.0	5.7	49.770N	078.030E	GR	A	
690912	180223.4	USNTS SHFT		120	36.877N	115.929W	WE	MINUTESTE	
690916	143000.4	USNTS SHFT	6.1	11000	37.314N	116.461W	WR	JORUM	E
690920		USNTS SHFT	120			WR	KYACK	E	
690920	1330	KYACK-A			186	NTS02	LLNL		
690920	1330	USNTSYSS1	120			WR	KYACK-A	E	
690920	1330	KYACK-B			192	NTS02	LLNL		
690920	1330	USNTSYSS2	120			WR	KYACK-B	E	
690922	161458.8	PCLNR TUNN	5.1	25	41.383N	088.300E			
690926	070000.0	CP UNDG	5.0	5.7	46.000N	042.400E		N	
690929	084026.0	PCLNR AIRD		3000				N	
691001	040257.7	CPKTS DUNDG	5.2	9.2	49.810N	078.180E	GR	A	
691001		USNTS SHFT	120			WR	SEAWEED	E	
691001		USNTS SHFT	120			WR	SEAWEED-E		
691001	1330	SEAWEED-D			118	NTS03	LANL		
691001	1330	USNTSYSS1	120			WR	SEAWEED-E		
691001	1330	SEAWEED-C			119	NTS03	LANL		
691001	1330	USNTSYSS2	120			WR	SEAWEED-E		
691001	1330	SEAWEED-E			125	NTS03	LANL		
691001	1330	USNTSYSS3	120			WR	SEAWEED-E		
691002		USAMC SHFT	1000			WR 2	MILROW	EN	
691008	143000.1	USNTS SHFT	5.6	200-1000	37.257N	116.441W	WR	PIPKIN	E
691014	070006.4	CPNZ UNDG	6.0	140	73.390N	054.500E		N	
691020	090902.0	CP UNDG	3.7	.09	48.100N	047.800E		N	
691028	143458.1	USNTSPSH?	2.9		37.003N	116.004W	**	N	
691029	193000.0	USNTS SHFT		11	37.121N	116.128W	WR	CRUET	E
691029	200000.0	POD-B			171	NTS02	LLNL		
691029	200000.0	USNTSYSS1	120		37.141N	116.142W	WR	POD-B	E
691029	200000.0	POD-A			248	NTS02	LLNL		
691029	200000.0	USNTSYSS2	120		37.141N	116.142W	WR	POD-A	E
691029	200000.0	POD-D			267	NTS02	LLNL		
691029	200000.0	USNTSYSS3	120		37.141N	116.142W	WR	POD-D	E
691029	200000.0	POD-C			312	NTS02	LLNL		
691029	200000.0	USNTSYSS4	120		37.141N	116.142W	WR	POD-C	E
691029	220151.4	USNTS SHFT	5.6	110	37.143N	116.063W	WR	CALABASHE	
691113	151520.2	USNTS SHFT	3.5	120	37.17N	116.09W	WR	SCUTTLE	E
691121		USNTS SHFT	120			WR	PLANER	E	
691121	145200.0	USNTS SHFT	5.0	20-200	37.031N	116.002W	WR	PICCALILE	
691130	033257.1	CPKTS BUNDG	5.9	54	49.913N	078.961E	CO	A	
691205	170000.0	USNTS TUNN	4.9	120	37.180N	116.211W	WE	DIESLTRAE	
691206	070257.5	CP UNDG	5.8	70	43.790N	054.750E		N	
691210		USNTS SHFT	120			WR	CULANTROE		
691210	150000.0	CULANTRO-A			134	NTS03	LANL		
691210	150000.0	USNTSYSS1	120			WR	CULANTROE		

691210	150000.0	CULANTRO-B			149	NTS03	LANL		
691210	150000.0	USNTSYSS2		120		WR	CULANTROE		
691210		USNTS SHFT		120		WR	TUN E		
691210	153003.7	TUN-B			194	NTS10	LLNL		
691210	153003.7	USNTSYSS1		120		WR	TUN-B E		
691210	153003.7	TUN-C			194	NTS10	LLNL		
691210	153003.7	USNTSYSS2		120		WR	TUN-C E		
691210	153003.7	TUN-A			200	NTS10	LLNL		
691210	153003.7	USNTSYSS3		120		WR	TUN-A E		
691210	153003.7	TUN-D			256	NTS10	LLNL		
691210	153003.7	USNTSYSS4		120		WR	TUN-D E		
691217	150000.0	USNTS SHFT	5.4		20-200	37.084N	116.002W	WR	GRAPE A E
691217		USNTS SHFT		120		WR	LOVAGE E		
691218	190000.0	TERRINE-YELLOW			419	NTS09	LLNL		
691218	190000.0	USNTSYSS1	5.2		20-200	37.121N	116.035W	WR	TERRINE-E
691218	190000.0	TERRINE-WHITE			462	NTS09	LLNL		
691218	190000.0	USNTSYSS2	5.2		20-200	37.121N	116.035W	WR	TERRINE-E
691228	034657.6	CPKTSMUNDG	5.7		30	49.954N	077.748E	AL	A
691229	040158.1	CPKTSDUNDG	5.5		7.3	49.790N	078.000E	QP	A
701223	163000.2	FOB-BLUE			101	NTS09	LLNL		
700123	163000.2	USNTSYSS1		120	37.137N	116.037W	WR		FOB-BLUEE
700123	163000.2	FOB-RED			245	NTS09	LLNL		
700123	163000.2	USNTSYSS2		120	37.137N	116.037W	WR		FOB-RED E
700123	163000.2	FOB-GREEN			267	NTS09	LLNL		
700123	163000.2	USNTSYSS3		120	37.137N	116.037W	WR		FOB-GREEE
700129	070257.5	CPKTSDUNDG	5.5		18	49.813N	078.185E	PO	A
700130		USNTS SHFT		120		WR	AJO E		
700204		USNTS SHFT		120		WR	BELEN E		
700204	170000.4	USNTS SHFT	5.6		20-200	37.098N	116.027W	WR	GRAPE B E
700205	150000.4	USNTS SHFT	4.6		25	37.164N	116.039W	WR	LABIS E
700211	191500.4	USNTS TUNN	4.7		120	37.201N	116.205W	WE	DIANA m E
700225	142838.4	USNTS SHFT	5.2		20-200	37.037N	116.000W	WR	CUMARIN E
700226	153000.4	YANNIGAN-BLUE			351	NTS02	LLNL		
700226	153000.4	USNTSYSS1	5.3		20-200	37.116N	116.061W	WR	YANNIGANE
700226	153000.4	YANNIGAN-WHITE			381	NTS02	LLNL		
700226	153000.4	USNTSYSS2	5.3		20-200	37.116N	116.061W	WR	YANNIGANE
700226	153000.4	YANNIGAN-RED			389	NTS02	LLNL		
700226	153000.4	USNTSYSS3		20-200	37.116N	116.061W	WR		YANNIGANE
700306	142400.3	USNTS SHFT	4.3		8.7	37.023N	116.092W	WR	CYATHUS E
700306	150000.2	ARABIS-BLUE			101	NTS09	LLNL		
700306	150000.2	USNTSYSS1		120	37.140N	116.037W	WR		ARABIS-BE
700306	150000.2	ARABIS-RED			250	NTS09	LLNL		
700306	150000.2	USNTSYSS2		120	37.140N	116.037W	WR		ARABIS-RE
700306	150000.2	ARABIS-GREEN			250	NTS09	LLNL		
700306	150000.2	USNTSYSS3		120	37.140N	116.037W	WR		ARABIS-GE
700319	140330.4	USNTS SHFT		120	37.001N	116.023W	WR		JAL E
700323	230500.4	USNTS SHFT	5.5		20-200	37.086N	116.021W	WR	SHAPER E
700326	190002.0	USNTS SHFT	6.4		1900	37.300N	116.534W	WR 2	HANDLEY EN
700327	050257.0	CPKTSDUNDG	5.0		5.7	49.770N	078.110E	GR	A
700421	143000.4	USNTS SHFT	4.4		120	37.055N	115.988W	WE	SNUBBER E
700421	150000.4	CAN-GREEN			274	NTS02	LLNL		
700421	150000.4	USNTSYSS1	4.6		120	37.099N	116.080W	WR	CAN-GREEE
700421	150000.4	CAN-RED			399	NTS02	LLNL		

700421	150000.4	USNTSY	4.6	20-200	37.099N	116.080W	WR	CAN-RED	E
700501	134000.2	HOD-B(RED)			241	NTS09	LLNL		
700501	141300.4	USNTS SHFT		120	37.059N	116.028W	WR	BEEBALM	E
700501	144000.2	USNTSYSS1	4.3	120	37.133N	116.034W	WR	HOD-B(REE)	
700501	144000.2	HOD-A(GREEN)			265	NTS09	LLNL		
700501	144000.2	USNTSYSS2	4.3	120	37.133N	116.034W	WR	HOD-A(GRE)	
700505	153000.2	USNTS TUNN	5.0	120	37.211N	116.184W	WE	MINTLEAFE	
700512	140000.4	USNTS TUNN		120	37.010N	116.202W	VU	d DUST	E
700515	133000.2	CORNICE-YELLOW			390	NTS10	LLNL		
700515	133000.2	USNTSYSS1	5.1	20-200	37.162N	116.039W	WR	CORNICE-E	
700515	133000.2	CORNICE-GREEN			444	NTS10	LLNL		
700515	133000.2	USNTSYSS2	5.1	20-200	37.162N	116.039W	WR	CORNICE-E	
700515	180000.0	FRMUR BALN		20-200	20S	140W	WR	ANDROME	N
700521	140000.4	USNTS SHFT		120	37.029N	115.992W	WR	MANZANASE	
700521	141500.4	USNTS SHFT	5.1	20-200	37.071N	116.013W	WR	MORRONESE	
700522	183000.0	FRMUR BALN		20-200	20S	140W	WR	CASSIOPEN	
700523	053259.0	CP UNDG	3.5	1	48.100N	047.800E		N	
700524	124147.0	CP UNDG	3.6	2	48.100N	047.800E		N	
700526	140000.0	FLASK-RED			152	NTS02	LLNL		
700526	140000.0	USNTSYSS1		120		PS	FLASK-REE		
700526	140000.0	FLASK-YELLOW			335	NTS02	LLNL		
700526	140000.0	USNTSYSS2		120		PS	FLASK-YEE		
700526	140000.0	FLASK-GREEN			529	NTS02	LLNL		
700526	140000.0	USNTSYSS3		105		PS	FLASK-GRE		
700526	141600.2	USNTS TUNN		120	37.183N	116.213W	WE	HUDSONMOE	
700526	150000.5	USNTS SHFT	5.5	105	37.113N	116.062W	PS	FLASK	E
700527	040257.0	CPKTS DUNDG	3.8	2	48.300N	078.200E	QP	A	
700528		USNTS SHFT		120		WR	PITON A	E	
700528		USNTS SHFT		120		WR	PITON	E	
700528	110000.0	PITON-B			230	NTS09	LLNL		
700528	110000.0	USNTSYSS1		120		WR	PITON-B	E	
700528	110000.0	PITON-A			236	NTS09	LLNL		
700528	110000.0	USNTSYSS2		120		WR	PITON-A	E	
700528	120000.3	USNTS		37.2N	116.0W	**	N		
700529	031735.0	CP UNDG	3.6	1	48.100N	047.800E		N	
700530	175958.5	FR BALN	4.7	g1000	22.16S	138.84W	WR	DRAGON	N
700624	183000.0	FRMUR BALN		LOW	20S	140W	WR	ERIDAN	N
700625	045952.4	CP UNDG	4.9	8.4	52.200N	055.700E		N	
700626	120000.0	ARNICA-VIOLET			264	NTS02	LLNL		
700626	120000.0	USNTSYSS1		120		WR	ARNICA-VE		
700626	120000.0	ARNICA-YELLOW			309	NTS02	LLNL		
700626	120000.0	USNTSYSS2		120		WR	ARNICA-YE		
700626	130000.4	USNTS SHFT		20-200	37.114N	116.086W	WR	ARNICA	E
700628	015757.7	CPKTS DUNDG	5.7	30	49.830N	078.220E	GR	A	
700703	182959.1	FR BALN	4.0	1000	21.800S	139.200W	WR	LICORNE	N
700721	030257.2	CPKTS MUNDG	5.4	14	49.953N	077.701E	SA	A	
700724	035657.6	CPKTS DUNDG	5.3	11	49.820N	078.180E	QP	A	
700727	190000.0	FRMUR BALN		LOW	20S	140W	WR	PEGASE	N
700802	190000.0	FRFAN BALN		20-200	20S	140W	WR	ORION	N
700806	190000.0	FRMUR BALN		20-200	20S	140W	WR	TOUCAN	N
700906	040257.5	CPKTS DUNDG	5.4	14	49.780N	078.046E	GR	A	
701013		USNTS SHFT		120		WR	SCREE	E	
701013	140500.0	SCREE-ALHAMBRA			101	NTS09	LLNL		

701013	140500.0	USNTSYSS1		120		WR	SCREE-ALE		
701013	140500.0	SCREE-CHAMOIS					192 NTS09 LLNL		
701013	140500.0	USNTSYSS2		120		WR	SCREE-CHE		
701013	140500.0	SCREE-ACAJOU					249 NTS09 LLNL		
701013	140500.0	USNTSYSS3		120		WR	SCREE-ACE		
701013	150000.2	USNTSYSH?	3.9		37.18N	115.95W	**	N	
701014	055957.3	CPNZ UNDG	6.6		1001	73.310N	054.890E		N
701014	072958.9	PCLNR AIRD		3000					
701014	143000.4	USNTS SHFT	5.5	20-200	37.071N	116.005W	WR		TIJERAS E
701028		USNTS SHFT		120		WR	TRUCHAS E		
701028	143000.0	TRUCHAS-CHAMISAL					118 NTS03 LANL		
701028	143000.0	USNTSYSS1		120		WR	TRUCHAS-E		
701028	143000.0	TRUCHAS-CHACON					119 NTS03 LANL		
701028	143000.0	USNTSYSS2		120		WR	TRUCHAS-E		
701028	143000.0	TRUCHAS-RODARTE					266 NTS03 LANL		
701028	143000.0	USNTSYSS3		120		WR	TRUCHAS-E		
701104	060257.2	CPKTSMUNDG	5.4		14	50.007N	077.798E	PO	A
701105	150000.0	USNTS SHFT	4.9	20-200	37.029N	116.012W	WR		ABEYAS E
701119		USNTS SHFT		120		WR	PENASCO E		
701203	150700.0	CORAZON					241 NTS03 LANL		
701203	150700.0	USNTSYSS1	3.1	120		WR	CORAZON E		
701203	150700.0	CARRIZOZO					279 NTS03 LANL		
701203	150700.0	USNTSYSS2	3.1	120		WR	CARRIZOZE		
701212	070057.4	CP UNDG	6.0		113	43.870N	054.780E		N
701216		USNTS SHFT		120		WR	CANJILONE		
701216	160000.9	USNTS SHFT	5.2	20-200	37.100N	116.008W	WR		ARTESIA E
701216	160000.2	AVENS-CREAM					293 NTS09 LLNL		
701216	160000.2	USNTSYSS1	5.1	120	37.143N	116.034W	WR		AVENS-CRE
701216	160000.2	AVENS-ASAMLTE					306 NTS09 LLNL		
701216	160000.2	USNTSYSS2	5.1	120	37.143N	116.034W	WR		AVENS-ASE
701216	160000.2	AVENS-ANDORRE					311 NTS09 LLNL		
701216	160000.2	USNTSYSS3	5.1	120	37.143N	116.034W	WR		AVENS-ANE
701216	160000.2	AVENS-ALKERMES					380 NTS09 LLNL		
701216	160000.2	USNTSYSS4	5.1	120	37.143N	116.034W	WR		AVENS-ALE
701217	160500.2	USNTS SHFT	5.8	220	37.129N	116.083W	WR		CARPETBAE
701217	070057.7	CPKTSDUNDG	5.4		14	49.730N	078.170E	GR	A
701218	153000.2	USNTS SHFT	5.1		10	37.173N	116.099W	WR	BANEBERRE
701223	070057.3	CP UNDG	6.0		113	43.810N	054.820E		N
710322	043257.8	CPKTSDUNDG	5.7		30	49.791N	078.142E	GR	A
710323	065956.4	CP UNDG	5.5		45	61.390N	056.220E		A
710425	033257.5	CPKTSDUNDG	5.9		53	49.774N	078.074E	GR	A
710429	190000.0	USNTS SHFT		20-200	37.12N	116.33W	WR	CHEM?	MINETHROE
710525	040258.0	CPKTSDUNDG	5.0		6.0	49.815N	078.197E	GR	A
710605	191500.0	FRMUR ATMO			15	20S	140W	WR	DIONE N
710606	040257.2	CPKTSMUNDG	5.4		17	49.988N	077.720E	AL	A
710612	191500.0	FRMUR ATMO		450-500	23.8S	137.2W	WR		ENCELADEN
710616	145000.0	USNTS SHFT	4.1	120	37.03N	116.02W	WR		EMBUDO E
710619	040357.7	CPKTSMUNDG	5.4		15	49.992N	077.705E	PO	A
710623		USNTS SHFT		120		WR	DEXTER E		
710623	153000.0	USNTS SHFT		20-200	37.02N	116.02W	WR		LAGUNA E
710624	140000.0	USNTS SHFT	4.9	20-200	37.15N	116.07W	WR		HAREBELLE
710629	182957.3	USNTS TUNN	4.9	120	36.6N	115.8W	WE		CAMPHOR E
710630	035657.3	CPKTSBUNDG	5.2		11	49.949N	078.986E	CO	A

710701	140000.0	USNTS TUNN		I20	37.01N	116.20W	VU	d MINE	E
710702	170001.9	CP UNDG 4.7		5.2	67.660N	062.000E		N	
710704	213000.0	FRMUR ATMO		I100	20S	140W	WR	JAPET	N
710708	140000.1	USNTS SHFT 5.5		83	37.11N	116.05W	PS	MINIATA	E
710709		USNTS SHFT	I20				WR	BRACKEN	E
710710	165959.6	CP UNDG 5.2		17	64.200N	054.770E		N	
710721		USNTS SHFT	I20				WR	APODACA	E
710804		USNTS SHFT	I20				WR	BARRANCAE	
710805		USNTS SHFT	I20				WR	NAMA	E
710805	170700.0	NAMA-MEPHISTO						244 NTS09	LLNL
710805	170700.0	USNTSYSS1	I20				WR	NAMA-MEPE	
710805	170700.0	NAMA-AMARYLIS						273 NTS09	LLNL
710805	170700.0	USNTSYSS2	I20				WR	NAMA-AMAE	
710806		USNTS SHFT	I20				WR	BALTIC	E
710808	183000.0	FRMUR ATMO		I100	20S	140W	WR	PHOEBE	N
710814	185959.2	FR BALN 4.7		1000	21.880S	139.000W	WR	RHEA	N
710818	140000.0	USNTS SHFT 5.4		20-200	37.1N	116.0W	WR	ALGODONEE	
710919	110006.8	CP UNDG 4.5		3.3	57.760N	041.440E		N	
710922		USNTS SHFT	I20				WR	FRIJOLESE	
710922	130000.0	FRIJOLES-ESPUELA						149 NTS03	LANL
710922	130000.0	USNTSYSS1	I20				WR	FRIJOLESE	
710922	130000.0	FRIJOLES-DEMING						150 NTS03	LANL
710922	130000.0	USNTSYSS2	I20				WR	FRIJOLESE	
710922	130000.0	FRIJOLES-PETACA						226 NTS03	LANL
710922	130000.0	USNTSYSS3	I20				WR	FRIJOLESE	
710922	130000.0	FRIJOLES-GUAJE						257 NTS03	LANL
710922	130000.0	USNTSYSS4	I20				WR	FRIJOLESE	
710927	060257.4	CPNZ UNDG 6.4		586	73.390N	054.910E		N	
710929	140000.0	USNTS SHFT		I20	37.01N	116.01W	WR	PEDERNALE	
710929		USNTS SHFT	I20				WR	CHANTILLE	
711004	100002.0	CP UNDG 4.6		4.1	61.610N	047.220E		N	
711008	143000.2	USNTS SHFT		I20	37.12N	116.03W	WR	CATHAY	E
711009	060257.4	CPKTSMUNDG 5.3		12	49.996N	077.653E	AL	N	
711014		USNTS SHFT	I20				WR	LAGOON	E
711021	060257.4	CPKTSMUNDG 5.5		19	50.001N	077.629E	SA	A	
711022	050000.6	CP UNDG 5.2		17	51.610N	054.450E		N	
711106		USAMC SHFT	I5000				WR 2	CANNIKN	EN
711118	060000.0	PCLNR ATMO		20				N	
711124	201500.2	USNTS SHFT		I20	36.7N	116.9W	WE	DIAGONALE	
711129	060257.5	CPKTSDUNDG 5.4		16	49.758N	078.132E	GR	A	
711130		USNTS SHFT	I20				WR	PARNASSIE	
711214		USNTS SHFT	I20				WR	HOSPAH	E
711214		USNTS SHFT	I20				WR	YERBA	E
711214	210957.7	USNTS SHFT		20-200	37.01N	116.06W	WR	CHAENACTE	
711215	075258.9	CPKTSDUNDG 4.9		4.5	50.031N	077.972E	GR	A	
711222	065956.5	CP UNDG 6.0		57	47.900N	048.070E		N	
711230	062057.8	CPKTSDUNDG 5.7		36	49.772N	078.093E	GR	A	
720101	070000.0	PCLNR ATMO		I20				N	
(above may be 720107)									
720105		USNTS SHFT	I20				WR	MESCALERE	
720203		USNTS SHFT	I20				WR	COWLES	E
720210	050257.5	CPKTSBUNDG 5.3		13	50.014N	078.878E	AL	A	
720217		USNTS SHFT	I20				WR	DIANTHUSE	

720310	045657.4	CPKTS DUNDG	5.4	15	49.752N	078.142E	QP	A
720318	060000.0	PCLNR ATMO		20-200			N	
720323		USNTS SHFT		120		WR SAPPHO	E	
720328	042157.6	CPKTS DUNDG	5.1	8.0	49.740N	078.130E	QP	A
720330	210001.2	OCATE			210	NTS03 LANL		
720330	210001.2	USNTSYSS1	4.6	120	37.0N	116.0W	WR	OCATE E
720330	210001.2	ONAJA			279	NTS03 LANL		
720330	210001.2	USNTSYSS2	4.6	120	37.0N	116.0W	WR	ONAJA E
720411	060002.9	CP UNDG	4.9	8.4	37.360N	062.070E		N
720419		USNTS SHFT		120		WR JICARILLE		
720419	163200.0	USNTS SHFT		120	37.12N	116.08W	WR	LONGCHAME
720502	191501.8	USNTS TUNN	5.0	120	37.2N	116.2W	WE	y NORTH E
720510	120000.0	USNTS SH?			37.01N	116.20W		MINEDUSTI
720511		USNTS SHFT		120		WR KARA	E	
720517	141000.2	USNTS SHFT		120	37.12N	116.09W	WR	ZINNIA E
720519	170000.0	USNTS SHFT		120	37.06N	116.00W	WR	MONERO E
720522	232856	USNTS SH?			37.12N	116.33W		THROW 1 I
720523	221538	USNTS SH?			37.12N	116.33W		THROW 2 I
720524	212119	USNTS SH?			37.12N	116.33W		THROW 3 I
720525	203059	USNTS SH?			37.12N	116.33W		THROW 4 I
720526	191542	USNTS SH?			37.12N	116.33W		THROW 5 I
720607	012757.4	CPKTS DUNDG	5.4	14	49.808N	078.093E	QP	A
720607		USNTS SHFT		120		WR MERIDA	E	
720625		FRMUR ATMO		LOW 20S	140W	WR		UMBRIEL N
720628		USNTS SHFT		120		WR CAPITAN	E	
720628		USNTS SHFT		120		WR HAPLOPAPE		
720628		USNTS SHFT		120		WR TAJIQUE	E	
720630		FRMUR ATMO		LOW 20S	140W	WR		TITANIA N
720706	010259.9	CPKTS DUNDG	4.4	1.5	49.781N	078.093E	QP	A
720709	065957.9	CP UNDG	4.8	6.6	49.780N	035.450E		N
720714	145949.0	CP UNDG	3.6	.10	49.990N	046.440E		N
720720	171600.2	USNTS TUNN	4.9	120	37.22N	116.18W	WE	d SKULLSE
720725		USNTS SHFT		120		WR ATARQUE	E	
720729		FRMUR ATMO		LOW 20S	140W	WR		N
720809	123100.0	SOLANO			134	NTS03 LANL		
720809	123100.0	USNTSYSS1		120		WR SOLANO	E	
720809	123100.0	CUCHILLO			199	NTS03 LANL		
720809	123100.0	USNTSYSS2		120		WR CUCHILLOE		
720809	123100.0	CEBOLLA			287	NTS03 LANL		
720809	123100.0	USNTSYSS3		120		WR CEBOLLA	E	
720816	031657.5	CPKTS DUNDG	5.1	7.8	49.770N	078.113E	GR	A
720820	025957.8	CP UNDG	5.7	55	49.400N	048.060E		N
720826	034657.2	CPKTS MUNDG	5.3	13	49.993N	077.773E	AL	A
720828	055956.7	CPNZ UNDG	6.3	329	73.390N	054.650E		N
720902	085657.5	CPKTS MUNDG	4.8	4.3	49.950N	077.660E	SA	A
720904	070004.4	CP UNDG	4.6	4.1	67.730N	033.090E		N
720921	090001.4	CP UNDG	5.0	10	52.190N	051.940E		N
720921	153000.2	USNTS SHFT	4.3	20-200	37.08N	116.04W	WR	OSCURO E
720926	143000.2	USNTS SHFT	4.4	15	37.12N	116.09W	WR	DELPHINIE
721003	085957.8	CP UNDG	5.6	44	46.660N	044.870E		N
721102	012657.6	CPKTS BUNDG	6.1	126	49.923N	078.815E	AL	A
721109		USNTS SHFT		120		WR AKBAR	E	
721109		USNTS SHFT		120		WR ARSENATEE		

721117	USNTS SHFT	120		WR	CANNA	E		
721117	180000.0 CANNA-UMBRINUS				183 NTS09 LLNL			
721117	180000.0 USNTSYSS1	120		WR	CANNA-UME			
721117	180000.0 CANNA-LIMOGES				213 NTS09 LLNL			
721117	180000.0 USNTSYSS1	120		WR	CANNA-LIE			
721124	090002.8 CP UNDG 4.5	3.3	52.140N 051.830E				N	
721124	095958.0 CP UNDG 5.2	17	51.850N 064.180E				N	
721210	042657.6 CPKTS DUNDG 5.6		23 49.837N 078.102E	GR				A
721210	042707.3 CPKTS BUNDG 5.9		59 50.001N 078.973E	TS				A
721212	USNTS SHFT	120		WR	TULOSO	E		
721214	USNTS SHFT	120		WR	SOLANUM	E		
721221	201500.0 FLAX-TEST				436 NTS02 LLNL			
721221	201500.0 USNTSYSS1	20-200		WE	FLAX-TESE			
721221	201500.0 FLAX-BACKUP				445 NTS02 LLNL			
721221	201500.0 USNTSYSS1	120		WE	FLAX-BACE			
721228	042700.0 CPKTS DUNDG 4.9	.39	51.700N 077.200E	QP				A
730214	USNTS SHFT	120		WR	ALUMROOTE			
730216	050257.5 CPKTS UNDG 5.4	17	49.822N 078.158E				N	
730308	161000.2 USNTS SHFT 5.4	20-200	37.10N 116.03W	WR			MIERA	E
730323	USNTS SHFT	120		WR	GAZOOK	E		
730405	USNTS SHFT	120		WR	NATOMA	E		
730419	043257.5 CPKTS UNDG 5.3	12	49.995N 077.647E				N	
730425	222500.0 VELARDE				277 NTS03 LANL			
730425	222500.0 USNTSYSS1 4.7	120	37.00N 116.03W	WR			VELARDE	E
730425	222500.0 ANGUS				453 NTS03 LANL			
730425	222500.0 USNTSYSS2 4.7	120	37.00N 116.03W	WR			ANGUS	E
730426	USNTS SHFT	120		WR	COLMOR	E		
730426	171500.2 USNTS SHFT 5.6	90	37.12N 116.06W	WR			STARWORTE	
730509	USNTS SHFT	120		WR	MESITA	E		
730517	150000.0 RIO BLANCO-1				543 RIFLE,CO LLNL			
730517	150000.0 USRFL SS1 5.4	33	39.79N 108.37W	PS			RIO BLANE	
730517	150000.0 RIO BLANCO-2				579 RIFLE,CO LLNL			
730517	150000.0 USRFL SS1 5.4	33	39.79N 108.37W	PS			RIO BLANE	
730517	150000.0 RIO BLANCO-3				622 RIFLE,CO LLNL			
730517	150000.0 USRFL SS1 5.4	33	39.79N 108.37W	PS			RIO BLANE	
730524	USNTS SHFT	120		WR	CABRESTOE			
730524	USNTS SHFT	120		WR	KASHAN	E		
730605	170000.2 USNTS TUNN 5.1	120	37.18N 116.21W	WE			DIDOQUEEE	
730606	130000.0 USNTS SHFT 6.5	200-1000	37.25N 116.35W	WR			ALMENDROE	
730621	USNTS SHFT	120		WR	POTRILLOE			
730627	035951.0 PCLNR ATMO	2000-3000					N	
730628	191512.4 USNTS SHFT 5.3	20-200	37.1N 116.09W	WR			PORTULACE	
730628	USNTS SHFT	120		WR	SILENE	E		
730710	012657.7 CPKTS UNDG 5.3	11	49.798N 078.087E				N	
730721	180000.0 FRMUR ATMO		5 20S 140W	WR			N	
730723	012257.6 CPKTS UNDG 6.2	181	49.962N 078.812E				N	
730728	230300.0 FRMUR ATMO		LOW 20S 140W	WR			N	
730815	015957.7 CP UNDG 5.3	21	42.690N 067.410E				N	
730819	FRMUR ATMO	5-10	20S 140W	WR			N	
730825	FRMUR ATMO		20S 140W	WR			N	
730826	FR ATMO		20S 140W		Z			
730828	FRMUR AIRD	6.6		WR	TAMARA	N		
730828	025957.9 CP UNDG 5.2	17	50.580N 068.400E				N	

730912	065954.5	CPNZ	UNDG	6.7	2099	73.320N	054.970E		N
730919	025957.6	CP	UNDG	5.1	13	45.680N	067.800E		N
730927	065958.4	CPNZ	UNDG	5.9	100	70.800N	053.420E		N
730930	045957.7	CP	UNDG	5.2	17	51.660N	054.540E		N
731002		USNTS	SHFT	120			WR	POLYGONUE	
731002		USNTS	SHFT	120			WR	WALLER E	
731012	170000.8	USNTS	TUNN	4.8	120	37.20N	116.20W	WE	HUSKYACEE
731026	042657.7	CPKTS	UNDG	5.2	10	49.759N	078.164E		N
731026	055957.2	CP	UNDG	4.8	6.6	53.630N	055.380E		N
731027	065957.6	CPNZ	UNDG	6.9	4055	70.800N	053.920E		N
731128	153000.5	USNTS	SHFT	4.4	120	36.9N	116.0W	WR	BERNAL E
731212		USNTS	SHFT	120			WR	PAJARA E	
731213		USNTS	SHFT	120			WR	SEAFOAM E	
731214	074657.1	CPKTS	UNDG	5.8	38	50.044N	078.987E		N
731219		USNTS	SHFT	120			WR	ELIDA E	
731219		USNTS	SHFT	120			WR	SPAR E	
740110		USNTS	SHFT	120			WR	PINEDROPE	
740110	143000.0	PINEDROPS-SLOAT			213	NTS10	LLNL		
740110	143000.0	USNTSYSS1		120			WR	PINEDROPE	
740110	143000.0	PINEDROPS-TAWNY			282	NTS10	LLNL		
740110	143000.0	YSNTSYSS1		120			WR	PINEDROPE	
740110	143000.0	PINEDROPS-BAYOU			343	NTS10	LLNL		
740110	143000.0	USNTSYSS1		120			WR	PINEDROPE	
740130	045657.8	CPKTS	UNDG	4.9	4.5	49.837N	078.049E		N
740130	045702.2	CPKTS	UNDG	5.4	14	49.853N	078.087E		N
740227	170000.0	USNTS	SHFT	5.8	20-200	37.10N	116.05W	WR	LATIR E
740314		USNTS	SHFT	120			WR	HULSEA E	
740412		USNTS	SHFT	120			WR	SAPELLO E	
740416	055257.4	CPKTS	UNDG	4.4	1.5	50.041N	078.943E		N
740423		USNTS	SHFT	120			WR	PORTREROE	
740501		USNTS	SHFT	120			WR	PLOMO E	
740508		USNTS	SHFT	120			WR	JIB E	
740516	030257.6	CPKTS	UNDG	5.2	10	49.752N	078.093E		N
740518	023455.4	INRAJ	UNDG	4.9	15	26.99 N	071.80 E	P	I
740522		USNTS	SHFT	120			WR	GROVE E	
740523	133830.2	GBNTS	SHFT	4.8	20-200	37.1N	116.1W		FALLON E
740531	032657.4	CPKTS	UNDG	5.8	42	49.950N	078.852E		N
740606		USNTS	SHFT	120			WR	JARA E	
740616		FRMUR	BALN	20	20S	140W	WR	CAPRICORN	
740617	055949.0	PCLNR	ATMO	200-1000					N
740619	155959.0	USNTS	TUNN	5.0	120	37.2N	116.2W	WE	MINGBLAEE
740625	035657.7	CPKTS	UNDG	4.5	1.8	49.840N	078.166E		N
740707		FRMUR	BALN	150	20S	140W	WR	GEMEAUX	N
740708	055959.7	CP	UNDG	4.6	4.1	53.680N	055.080E		N
740710	025657.6	CPKTS	UNDG	5.1	8.4	49.783N	078.130E		N
740710	160000.1	USNTS	SHFT	5.7	20-200	37.07N	116.03W	WR	ESCABOSAE
740717		FRMUR	ATMO	20S	140W	WR	CENTAUREN		
740718	130000.0	CRESTLAKE-TANSAN			272	NTS02	LLNL		
740718	130000.0	USNTSYSS1		120			WR	CRESTLAKE	
740718	130000.0	CRESTLAKE-BRIAR			374	NTS02	LLNL		
740718	130000.0	USNTSYSS1		120			WR	CRESTLAKE	
740718		USNTS	SHFT	120			WR	CRESTTLAE	
740726		FRMUR	AIRD	20S	140W	WR			N

740729	FRMUR ATMO	HIGH		WR	N		
740814	140000.1 USNTS SHFT	4.6	120	37.0N	116.0W	WR	PUYE E
740814	145958.5 CP UNDG	5.4	27	68.940N	075.830E		N
740815	FRMUR ATMO		20S	140W	WR		N
740825	FRMUR ATMO		20S	140W	WR		N
740829	095955.7 CPNZ UNDG	6.4	497	73.410N	054.930E		N
740829	145958.9 CP UNDG	5.0	10	67.230N	062.140E		N
740830	150000.2 USNTS SHFT	5.8	20-200	37.1N	116.1W	WR	PORTMANTE
740913	030257.6 CPKTS UNDG	5.1	8.6	49.778N	078.081E		N
740915	FRMUR ATMO	1000	20S	140W	WR		N
740925	USNTS SHFT	120		WR	PRATT		E
740926	USNTS SHFT	120		WR	TRUMBULLE		
740926	150500.2 USNTS SHFT	5.6	20-200	37.1N	116.1W	WR	STANYAN E
741002	005956 KRISTALL		98				
741002	005956 CPYAK UNDG	4.6	1.7	66.1N	112.61E	PNE	KRISTALLISC
741016	063257.5 CPKTS UNDG	5.4	17	49.979N	078.898E		N
741017	USNTS SHFT	120		WR	ESTACA		E
741028	USNTS TUNN	120		WE	HYBLAFAIE		
741102	045956.8 CPNZ UNDG	6.7	2099	70.810N	053.910E		N
741102	USNTS SHFT	120		WR	TEMESCALE		
741126	USNTS SHFT	120		WR	PUDDLE		E
741207	055957.6 CPKTS UNDG	4.5	1.8	49.933N	077.636E		N
741216	062257.7 CPKTS UNDG	5.0	5.7	49.793N	078.133E		N
741216	064057.9 CPKTS UNDG	4.8	3.6	49.867N	078.087E		N
741216	USNTS SHFT	120		WR	KEEL		E
741227	054656.8 CPKTS UNDG	5.5	18	49.943N	079.011E		N
750206	153000.0 PORTOLA		198	NTS10	LLNL		
750206	153000.0 USNTSYSS1	3.5	120	37.05N	116.00W	WR	PORTOLA E
750206	153000.0 PORTOLA-LARKIN		274	NTS10	LLNL		
750206	153000.0 USNTSYSS1	3.5	120	37.05N	116.00W	WR	PORTOLA-E
750206	USNTS SHFT	120		WR	TELEME		E
750219	USNTS SHFT	120		WR	BILGE		E
750220	053257.6 CPKTS UNDG	5.6	26	49.789N	078.062E		N
750228	151500.1 USNTS SHFT	5.7	20-200	37.11N	116.06W	WR	TOPGALLAE
750307	150000.2 USNTS SHFT	5.5	20-200	37.13N	116.08W	WR	CABRILLOE
750311	054257.6 CPKTS UNDG	5.3	14	49.747N	078.146E		N
750405	194500.2 USNTS TUNN	4.8	120	37.18N	116.21W	WE	DININGCAE
750424	141000.2 USNTS SHFT	4.6	20-200	37.11N	116.08W	WR	EDAM E
750425	050002.5 CP UNDG	4.7	2.6	48.080N	047.200E		N
750427	053657.2 CPKTS UNDG	5.5	21	49.949N	078.926E		N
750430	150000.0 USNTS SHFT	5.2	20-200	37.11N	116.03W	WR	OBAR E
750514	140000.4 USNTS SHFT	5.8	200-1000	37.22N	116.47W	WR	TYBO E
750603	142000.2 USNTS SHFT	5.9	20-200	37.33N	116.52W	WR	STILTON E
750603	144000.1 USNTS SHFT	5.7	20-200	37.09N	116.03W	WR	MIZZEN E
750605	181500.0 FRFAN SHFT	5.3	20	22S	139W		ACHILLE N
750608	032657.5 CPKTS UNDG	5.5	18	49.762N	078.050E		N
750611	USNTS SHFT	120		WR	ALVISO		E
750618	USNTS SHFT	120		WR	FUTTOCK		E
750619	130000.1 USNTS SHFT	6.1	200-1000	37.35N	116.32W	WR	MAST E
750626	123000.2 USNTS SHFT	5.0	200-1000	37.27N	116.37W	WR	CAMEMBERE
750630	032657.5 CPKTS UNDG	4.6	2.4	50.004N	078.957E		N
750807	035657.6 CPKTS UNDG	5.1	8.2	49.812N	078.161E		N
750812	150000 GORIZONT-4		496				

750812	150000	CPYAK	UNDG	5.1	7.6	70.76N	127.12E	PNE	GORIZONTIS
750823	085957.9	CPNZ	UNDG	6.4	477	73.340N	054.500E		N
750830	211159.5	USNTSPSH?		3.0	37.28N	116.21W		**	N
750906	170000.1	USNTS	SHFT	4.6	120	37.02N	116.03W	WR	MARSH E
750929	105958.3	CP	UNDG	4.8	6.6	69.600N	090.460E		N
751005	042743.9	CPKTS	UNDG	4.6	.19	55.800N	075.100E		N
751018	085956.5	CPNZ	UNDG	6.6	1281	70.840N	053.530E		N
751021	115957.7	CPNZ	UNDG	6.4	497	73.320N	054.930E		N
751024	171126.1	USNTS	TUNN	4.7	120	37.22N	116.18W	WE	HUSKYPUE
751026	005959.0	PCLNR	UNDG		120			N	
751027	010003.5	PCLNR		5.0	110	41.400N	088.667E		
751028	143000.2	USNTS	SHFT	6.2	200-1000	37.28N	116.41W	WR	KASSERI E
751029	044657.3	CPKTS	UNDG	5.6	24	49.946N	078.878E		N
751118		USNTS	SHFT		120			WR DECK E	
751120	150000.1	USNTS	SHFT	5.8	200-1000	37.22N	116.37W	WR	INLET E
751126	004800.0	FRFAN	SHFT	5.2	15	20S	140W		HECTOR N
751126	153000.2	USNTS	SHFT	5.0	120	37.12N	116.02W	WR	LEYDEN E
751213	045657.5	CPKTS	UNDG	5.0	6.0	49.810N	078.157E		N
751220	200000.2	USNTS	SHFT		20-200	37.12N	116.06W	WR	CHIBERTAE
751225	051657.1	CPKTS	UNDG	5.6	29	50.044N	078.814E		N
760103	191500.2	USNTS	SHFT	6.2	200-1000	37.30N	116.33W	WR	MUENSTERE
760115	044657.5	CPKTS	UNDG	5.2	10	49.824N	078.201E		N
760123	060000.0	PCLNR	ATMO		LOW				N
760204	142000.1	USNTS	SHFT	5.8	20-200	37.07N	116.03W	WR	KEELSON E
760204	144000.2	USNTS	SHFT	5.7	20-200	37.11N	116.04W	WR	ESROM E
760212	144500.2	USNTS	SHFT	5.5	200-1000	37.27N	116.49W	WR	FONTINA E
760214	113000.2	USNTS	SHFT	5.7	200-500	37.24N	116.42W	WR	CHESHIREE
760226		USNTS	SHFT		120			WR SHALLOWSE	
760309	140000.1	USNTS	SHFT	5.9	200-500	37.31N	116.36W	WR	ESTUARY E
760314	123000.2	USNTS	SHFT	6.3	500-1000	37.31N	116.47W	WR	COLBY E
760317	141500.1	USNTS	SHFT	5.8	200-500	37.26N	116.31W	WR	POOL E
760317	144500.1	USNTS	SHFT	5.6	200-500	37.11N	116.05W	WR	STRAIT E
760403	004500.0	FRMUR	SHFT					WR PATROCLEN	
760421	045757.7	CPKTS	UNDG	5.1	7.3	49.776N	078.146E		N
760421	050257.1	CPKTS	UNDG	5.2	11	49.890N	078.827E		N
760512	195000.2	USNTS	TUNN	4.9	120	37.2N	116.2W	WE	MIGHTYEPE
760519	025657.8	CPKTS	UNDG	4.8	3.7	49.796N	078.058E		N
760520		USNTS	SHFT		120			WR RIVOLI E	
760604	025657.4	CPKTS	UNDG	5.8	40	49.909N	078.911E		N
760609	030257.2	CPKTS	UNDG	5.1	7.6	49.989N	079.022E		N
760711	002959.1	FRMUR	SHFT	5.0	10	21.859S	138.768W	WR	N
760723		FRMUR	SHFT		20S	140W		WR	N
760723	023257.7	CPKTS	UNDG	5.0	6.3	49.779N	078.085E		N
760727	203000.1	USNTS	SHFT	5.2	20-150	37.1N	116.0W	WR	BILLET E
760729	045957.9	CP	UNDG	5.9	45	47.810N	048.100E		N
760804	025658.0	CPKTS	UNDG	4.1	.06	49.900N	077.700E		N
760826	143000.2	GBNTS	SHFT	5.3	20-150	37.13N	116.08W		BANON E
760828	025657.4	CPKTS	UNDG	5.7	30	49.969N	078.930E		N
760926	060000.0	PCLNR	ATMO		20-200				N
760929	025957.6	CPNZ	UNDG	5.8	70	73.410N	054.500E		N
761006		USNTS	SHFT		120			WR GOUDA E	
761017	050003.7	PCLNR		4.9	10-20	41.650N	088.667E		N
761020	075957.8	CPNZ	UNDG	5.1	13	73.400N	054.470E		N

761030	045702.5	CPKTS UNDG	4.9	4.5	49.821N	078.029E		N
761030	230000	FR	0-5			ULYSSEA Z		
761105	035956.8	CPYAK UNDG	5.3	11	61.52N	112.73E	PNE	OKA ISC
761110		USNTS SHFT	120			WR	SPRIT E	
761117	060017.6	PCLNR ATMO		4000				N
761123	050257.2	CPKTS UNDG	5.7	34	50.008N	078.963E		N
761123	151500.2	USNTS SHFT		120	37.2N	116.1W	WR	CHEVRE E
761205	230000	FR	0-5			ASTYANAXZ		
761207	045657.3	CPKTS UNDG	5.8	41	49.922N	078.846E		N
761208	144930.1	USNTS SHFT	4.9	120	37.08N	116.00W	WR	REDMUD E
761208		FRMUR SHFT		20S	140W	WR		N
761221		USNTS SHFT	120			WR	SUTTER E	
761221	150900.2	USNTS SHFT		120	37.12N	116.07W	WR	ASIAGO E
761228	180000.1	USNTS SHFT	5.5	20-150	37.10N	116.04W	WR	RUDDER E
761230	035657.9	CPKTS UNDG	5.1	7.8	49.802N	078.069E		N
770216	175300.2	OARLOCK				318 NTS03 LLNL		
770216	175300.0	USNTSYSS1		120		WR	OARLOCK E	
770216	175300.0	COVE				335 NTS03 LLNL		
770216	175300.0	USNTSYSS2		120		WR	COVE E	
770219	232958.9	FRMUR SHFT	5.0	5	21.834S	138.846W	WR	N
770308	142400.0	DOFINO				183 NTS10 LLNL		
770308	142400.0	USNTSYSS1		120		WR	DOFINO E	
770308	142400.0	DOFINO-LAWTON				282 NTS10 LLNL		
770308	142400.0	USNTSYSS1		120		WR	DOFINO-LE	
770319	230058.4	FRMUR SHFT	5.9	45	21.891S	138.913W	WR	N
770329	035657.5	CPKTS UNDG	5.4	14	49.970N	078.086E		N
770402	233000	FR	0-5			OEDIPE Z		
770405	150000.2	USNTS SHFT	5.6	20-150	37.12N	116.06W	WR	MARSILLYE
770425	040657.7	CPKTS UNDG	5.0	6.6	49.813N	078.150E		N
770427	150000.1	USNTS SHFT	5.1	20-150	37.09N	116.03W	WR	BULKHEADE
770525	170000.3	USNTS SHFT	5.3	20-150	37.09N	116.04W	WR	CREWLINEE
770529	025657.5	CPKTS UNDG	5.7	32	49.937N	078.770E		N
770602		USNTS SHFT	120			WR	FOREFOOTE	
770629	030657.7	CPKTS UNDG	5.2	9.6	50.006N	078.869E		N
770706	225958.5	FRMUR SHFT	4.9	25	21.780S	138.954W	WR	N
770726	165957.7	CP UNDG	5.0	10	69.540N	090.510E		N
770728		USNTS SHFT	120			WR	CARNELIAE	
770730	015657.7	CPKTS UNDG	5.0	7.1	49.759N	078.097E		N
770804	164000.1	USNTS SHFT	5.0	20-150	37.09N	116.01W	WR	STRAKE E
770810	220002.0	CP UNDG	5.0	10	50.950N	110.780E		N
770816	134100.0	GRUYERE-GRADINO				207 NTS09 LLNL		
770816	134100.0	USNTSYSS1		120		WR	GRUYERE-E	
770816	134100.0	GRUYERE				320 NTS09 LLNL		
770816	134100.0	USNTSYSS1		120		WR	GRUYERE E	
770816		USNTS SHFT	120			WR	FLOTOST E	
770816	154900.2	USNTSYSH?	4.0		37.2N	116.1W	**	N
770817	042657.5	CPKTS UNDG	4.9	5.6	49.825N	078.170E		N
770819		USNTS SHFT	120			WR	SCUPPER E	
770819	175500.1	USNTS SHFT	5.5	20-150	37.11N	116.05W	WR	SCANTLINE
770820	215958.3	CP UNDG	5.0	10	64.130N	099.620E		N
770901	025957.7	CPNZ UNDG	5.7	55	73.370N	054.410E		N
770905	030257.3	CPKTS UNDG	5.7	37	50.035N	078.921E		N
770910	160003.3	CP UNDG	4.8	6.6	57.290N	106.230E		N

770915	143630.1	USNTS SHFT	4.5	I20	37.0N	116.0W	WR	EBBTIDE	E
770917	070000.0	PCLNR ATMO		I20			N		
770927	140000.2	USNTS SHFT	4.8	20-150	37.1N	116.1W	WR	COULOMMIE	
770930	065955.9	CP UNDG	5.0	5.4	47.850N	048.130E		N	
771009	105958.8	CPNZ UNDG	4.6	4.1	73.470N	053.980E		N	
771026	141500.1	USNTS SHFT	4.5	I20	37.1N	116.0W	WR	BOBSTAY	E
771029	030657.5	CPKTS UNDG	5.6	23	49.833N	078.131E		N	
771029	030702.4	CPKTS UNDG	5.5	20	50.069N	078.975E		N	
771101	180600.1	USNTS SHFT	4.7	I20	37.19N	116.21W	WR	HYBLAGOLE	
771109	220000.1	USNTS SHFT	5.7	20-150	37.07N	116.05W	WR	SANDREEFE	
771112	013000.0	FRMUR SHFT	5.2	15	22S	139W	WR	N	
771117	193000.1	USNTS SHFT	4.7	I20	37.02N	116.02W	WR	SEAMOUNTE	
771124	165958.4	FRMUR SHFT	5.8	55	21.896S	138.884W	WR	NESTOR	N
771130	040657.3	CPKTS UNDG	5.8	47	49.958N	078.885E		N	
771214		USNTS SHFT		I20			WR RIB	E	
771214	153000.2	USNTS SHFT	5.7	20-150	37.13N	116.09W	WR	FARALLONE	
771217	220000.0	FRMUR SHFT	5.1	10	22S	139W	WR	N	
771226	040257.8	CPKTS UNDG	4.8	4.3	49.953N	078.115E		N	
780120	043257.6	CPKTS UNDG	4.6	2.6	49.858N	078.089E		N	
780213	215259.6	USNTS SHFT	3.8	I20	37.1N	116.0W	WR	CAMPOS	E
780223	170000.2	USNTS SHFT	5.6	20-150	37.12N	116.06W	WR	REBLOCHOE	
780227	230000.0	FRMUR SHFT	4.0	11	22S	139W	WR	N	
780315	050000.0	PCLNR ATMO		I20			N		
780316		USNTS SHFT		I20			WR KARAB	E	
780319	034657.4	CPKTS UNDG	5.2	9.4	49.959N	077.746E		N	
780322	172958.9	FR SHFT	4.8	10	21.714S	138.926W	WR	N	
780323		USNTS SHFT		I20			WR TOPMAST	E	
780323	163000.2	USNTS SHFT	5.6	20-150	37.10N	116.05W	WR	ICEBERG	E
780325	170000	FR	0-5				HECUBE	Z	
780326	035657.5	CPKTS UNDG	5.6	24	49.768N	078.044E		N	
780411	153000.2	GBNTS SHFT	5.3	20-150	37.30N	116.33W	WR	FONDUTTAE	
780411	174500.1	USNTS SHFT	5.5	20-150	37.23N	116.37W	WR	BACKBEACE	
780422	035657.5	CPKTS UNDG	5.2	11	49.761N	078.186E		N	
780425		USNTS SHFT		I20			WR ASCO	E	
780529	045657.4	CPKTS UNDG	4.6	2.6	49.772N	078.141E		N	
780601		USNTS SHFT		I20			WR JACKPOTSE		
780611	025657.5	CPKTS UNDG	5.8	41	49.898N	078.797E		N	
780701	170000		0-5				XANTHOS	Z	
780705	024657.4	CPKTS UNDG	5.8	38	49.887N	078.871E		N	
780707		USNTS SHFT		I20			WR SATZ	E	
780712	170000.1	USNTS SHFT	5.5	20-150	37.08N	116.04W	WR	LOWBALL	E
780719	180000.0	FRMUR SHFT	4.4	2	22S	139W	WR	N	
780726	230000.0	FRMUR SHFT	4.7	4	22S	139W	WR	N	
780728	024657.4	CPKTS UNDG	5.6	27	49.756N	078.140E		N	
780809	175958.1	KRATON-4		567					
780809	175958.1	CPYAK UNDG	5.6	22	63.65N	125.34E	PNE	KRATON-4ISC	
780810	075957.7	CPNZ UNDG	5.9	89	73.310N	054.700E		N	
780824	180003.8	KRATON-3		577					
780824	180003.8	CPYAK UNDG	5.1	19	65.87N	112.56E	PNE	KRATON-3ISC	
780829	023657.5	CPKTS UNDG	5.2	9.2	49.812N	078.142E		N	
780829	023706.2	CPKTS UNDG	5.9	56	50.000N	078.978E		N	
780831	140000.2	USNTS SHFT	5.6	20-150	37.27N	116.36W	WR	PANIR	E
780913	131500.2	USNTS TUNN	4.6	I20	37.21N	116.21W	WE	DIABLOHAE	

780915	023657.4	CPKTS UNDG	5.9	55 49.916N	078.879E		N
780920	050256.8	CPKTS UNDG	4.3	1.1 49.835N	078.416E		N
780921	145957.6	CP UNDG	5.2	17 66.530N	086.260E		N
780927	020458.4	CPNZ UNDG	5.6	44 73.380N	054.440E		N
780927	1430	USNTS SH?	3.4		** N		
780927	153000.0	CREMINO		210 NTS08	LLNL		
780927	153000.0	USNTSYSS1	I20		WR CREMINO	E	
780927	153000.0	CREMINO-CAERPHILLY		420 NTS08	LLNL		
780927	153000.0	USNTSYSS1	I20		WR CREMINO-E		
780927	170000.0	USNTS SHFT	5.0	20-150 37.08N	116.05W	WR	DRAUGHTSE
780927	172000.0	USNTS SHFT	5.7	20-150 37.07N	116.02W	WR	RUMMY E
781007	235957.0	VYATKA		1530		N	
781007	235957.0	CPYAK UNDG	5.2	16 61.53N	112.87E	PNE	VYATKA ISC
781014	010002.7	PCLNR SHFT	4.9	I20 41.450N	088.633E		N
781015	053657.7	CPKTS UNDG	5.1	69 49.753N	078.165E		N
781017	045956.6	CP UNDG	5.8	35 47.810N	048.090E		N
781017	135958.0	CP UNDG	5.5	34 63.210N	063.260E		N
781031	041657.7	CPKTS UNDG	5.2	9.6 49.806N	078.143E		N
781102	152500.2	USNTS SHFT	4.2	I20 37.29N	116.30W	WR	EMMENTHAE
781102	180000.0	FRMUR SHFT	4.6	2 22S	139W	WR	N
781104	050557.3	CPKTS UNDG	5.5	22 50.034N	078.943E		N
781118	190000.0	GBNTS SHFT	5.1	20-150 37.13N	116.08W		QUARGEL E
781129	043257.7	CPKTS UNDG	5.3	11 49.810N	078.042E		N
781129	043302.4	CPKTS UNDG	5.9	60 49.949N	078.798E		N
781130	173158.5	FR SHFT	5.8	65 21.866S	138.949W	WR	N
781201		USNTS SHFT	I20		WR	CONCENTRE	
781214		PCLNR ATMO	I20			N	
781214	044257.6	CPKTS UNDG	4.7	2.9 49.813N	078.144E		N
781216	153000.2	USNTS SHFT	5.5	20-150 37.27N	116.41W	WR	FARM E
781217	180400.0	FRMUR SHFT	5.2	15 22S	139W	WR	N
781218	075956.3	CP UNDG	5.9	45 47.780N	048.140E		N
781219	165659.9	FR SHFT	4.9	10 21.769S	138.945W	WR	N
790110	080000.0	CP UNDG	5.0	1.4 47.000N	048.000E		N
790117	075955.7	CP UNDG	6.0	57 47.870N	048.060E		N
790124	180000.1	USNTS SHFT	4.5	I20 37.10N	116.01W	WR	BACCARATE
790201	041257.6	CPKTS UNDG	5.3	14 50.090N	078.870E		N
790208	200000.1	USNTS SHFT	5.5	20-150 37.1N	116.1W	WR	QUINELLAE
790215	180500.2	USNTS SHFT	4.8	20-150 37.2N	116.1W	WR	KLOSTER E
790216	040358.1	CPKTS UNDG	5.4	15 49.990N	077.712E		N
790301	172400.0	FRMUR SHFT	5.0	7 22S	139W	WR	N
790309	163700.0	FRMUR SHFT	5.2	15 22S	139W	WR	N
790314	183000.1	USNTS SHFT	4.3	I20 37.0N	116.0W	WR	MEMORY E
790324	162758.8	FR SHFT	4.9	7 21.830S	138.909W	WR	N
790404	180659.1	FR SHFT	4.8	6 21.812S	138.741W	WR	N
790506	031657.6	CPKTS UNDG	5.1	9.0 49.774N	078.049E		N
790511		USNTS SHFT	I20		WR	FREEZEOUE	
790524	040700.0	CPKTS UNDG	4.9	0.39 50.000N	078.000E		N
790531	055457.6	CPKTS UNDG	5.2	10 49.835N	078.127E		N
790611		USNTS SHFT	20-150		WR	PEPATO	E
790618	232658.0	FR SHFT	4.8	4 22.140S	138.456W	WR	N
790620		USNTS SHFT	I20		WR	CHESS	E
790623	025657.5	CPKTS UNDG	6.2	152 49.903N	078.855E		N
790628		USNTS SHFT	20-150		WR	FAJY	E

790629	185558.8	FR	SHFT	5.2	25	21.798S	138.927W	WR		N
790707	034657.3	CPKTS	UNDG	5.8	41	50.026N	078.991E			N
790714	045955.2	CP	UNDG	5.6	22	47.810N	048.070E			N
790718	031702.5	CPKTS	UNDG	5.2	9.2	49.937N	077.850E			N
790725	175658.5	FR	SHFT	6.1	120	21.880S	138.940W	WR		N
790728	195558.7	FR	SHFT	4.7	15	21.808S	138.808W	WR		N
790803		USNTS	SHFT	20-150				WR	BURZET	E
790804	035657.1	CPKTS	UNDG	6.1	113	49.894N	078.904E			N
790808		USNTS	SHFT	20-150				WR	OFFSHOREE	
790812	175957.4	KIMBERLIT-4			982					N
790812	175957.4	CPYAK	UNDG	4.9	6.5	61.86N	122.22E	PNE		KIMBERLIISC
790818	025157.1	CPKTS	UNDG	6.1	119	49.943N	078.938E			N
790829		GBNTS	SHFT	20-150					NESSSEL	E
790906		USNTS	SHFT	20-150				WR	HEARTS	E
780906	175957.7	CP	UNDG	4.9	8.4	64.060N	99.620E			N
790908		USNTS	SHFT	120				WR	PERA	E
790913		PCLNR								N
790914	073300.0	CPKTS	UNDG	5.2	0.79	50.000N	078.000E			N
790915	040700.0	CPKTS	UNDG	4.6	0.19	50.000N	078.000E			N
790916	085953	CP	MINE	3.3	0.3?	48.22 N	038.3E			n
790922	010000.	IS?IN	SUR?		LOW?	47.000S	040.000E	??	*	F
790924	032958.3	CPNZ	UNDG	5.7	55	73.370N	054.580E			N
790926		USNTS	SHFT	20-150				WR	SHEEPSHEE	
790927	041257.6	CPKTS	UNDG	4.4	1.4	49.767N	078.120E			N
791004	155958.0	CP	UNDG	5.4	27	60.660N	071.440E			N
791007	205957.1	SHEKSNA			1545					
791007	205957.1	CPYAK	UNDG	5.0	15	61.85N	113.12E	PNE		SHEKSNA ISC
791018	041657.7	CPKTS	UNDG	5.1	9.0	49.837N	078.148E			N
791018	070958.5	CPNZ	UNDG	5.8	70	73.340N	054.730E			N
791024	055956.6	CP	UNDG	5.8	35	47.790N	048.110E			N
791028	031656.9	CPKTS	UNDG	5.9	59	49.973N	078.997E			N
791119	175300			0-5					CHRYSOTEZ	
791122	191420.0	FRMUR	SHFT	4.7	4	22S	139W	WR		N
791129		USNTS	SHFT	120				WR	BACKGAMME	
791130	045258.1	CPKTS	UNDG	4.4	1.6	49.789N	078.144E			N
791202	043657.4	CPKTS	UNDG	5.9	60	49.891N	078.796E			N
791214		USNTS	SHFT	120				WR	AZUL	E
791221	044157.6	CPKTS	UNDG	4.6	2.7	49.801N	078.173E			N
791223	045657.4	CPKTS	UNDG	6.1	119	49.916N	078.755E			N
800223	180300.0	FRMUR	SHFT	4.3	1			WR		N
800228		USNTS	SHFT	120				WR	TARKO	E
800303	175600.0	FRMUR	SHFT	5.1	10			WR		N
800308		USNTS	SHFT	120				WR	NORBO	E
800323	193658.5	FR	SHFT	5.6	80	21.864S	138.928W	WR		N
800401	193058.7	FR	SHFT	5.1	20	21.854S	138.763W	WR		N
800403		USNTS	SHFT	20-150				WR	LIPTAUERE	
800404	053257.4	CPKTS	UNDG	5.0	6.0	50.012N	077.856E			N
800404	183258.6	FR	SHFT	4.5	2	21.906S	138.808W	WR		N
800410	040657.8	CPKTS	UNDG	4.9	5.5	49.805N	078.108E			N
800416		USNTS	SHFT	20-150				WR	PYRAMID	E
800425	035657.5	CPKTS	UNDG	5.5	18	49.973N	078.755E			N
800426		GBNTS	SHFT	20-150					COLWICK	E
800502		USNTS	SHFT	120				WR	CANFIELDE	

800522	USNTS SHFT	120			WR	FLORA	E	
800522	035657.7 CPKTS UNDG	5.4	18	49.784N	078.082E			N
800612	USNTS SHFT	20-150			WR	KASH	E	
800612	032657.6 CPKTS UNDG	5.5	23	49.980N	079.001E			N
800616	182658.6 FR SHFT	5.3	25	21.864S	138.904W	WR		N
800621	170100.0 FRMUR SHFT	5.0	9			WR		N
800624	USNTS SHFT	120			WE	HURONKINE		
800629	023257.6 CPKTS UNDG	5.7	30	49.939N	078.815E			N
800706	172658.9 FR SHFT	4.7	5	21.845S	138.861W	WR		N
800713	081000.0 CPKTS UNDG	5.0	0.49	50.000N	078.000E			N
800719	234658.5 FR SHFT	5.7	80	21.855S	138.959W	WR		N
800725	USNTS SHFT	20-150			WR	TAFI	E	
800731	USNTS SHFT	120			WR	VERDELLOE		
800731	033257.6 CPKTS UNDG	5.3	11	49.807N	078.148E			N
800914	024239.1 CPKTS UNDG	6.2	150	49.921N	078.802E			N
800920	104000.0 CPKTS UNDG	4.9	0.39	50.000N	078.000E			N
800925	USNTS SHFT	20-150			WR	BONARDA	E	
800925	USNTS SHFT	120			WR	RIOLA	E	
800925	062110.6 CPKTS UNDG	4.7	3.3	49.835N	078.118E			N
800930	055700.0 CPKTS UNDG	4.6	0.19	50.000N	078.000E			N
800930	055700.0 CPKTS UNDG	5.2	0.79	50.000N	078.000E			N
801008	055957.3 CP UNDG	5.2	8.6	46.790N	048.290E			N
801011	070957.1 CPNZ UNDG	5.7	55	73.360N	054.820E			N
801012	033414.1 CPKTS UNDG	5.9	50	49.961N	079.028E			N
801016	044028.9 PCLNR ATMO	200-1000						N
801024	GBNTS SHFT	120				DUTCHESSE		
801031	USNTS TUNN	120			WE	MINERSIRE		
801101	125958.0 CP UNDG	5.2	17	60.790N	097.570E			N
801114	USNTS SHFT	120			WR	DAUPHIN	E	
801125	175300.0 FRMUR SHFT	4.5	2			WR		N
801203	173258.5 FR SHFT	5.6	50	21.874S	138.945W	WR		N
801210	065957.6 CP UNDG	4.6	4.1	61.730N	066.760E			N
801214	034706.4 CPKTS UNDG	5.9	54	49.899N	078.938E			N
801217	GBNTS SHFT	20-150				SERPA	E	
801226	040707.2 CPKTS UNDG	4.2	0.97	49.941N	078.183E			N
801227	040908.1 CPKTS UNDG	5.8	45	50.057N	078.981E			N
810115	USNTS SHFT	20-150			WR	BASEBALLE		
810205	USNTS SHFT	120			WR	CLAIRETTE		
810225	USNTS SHFT	120			WR	SECO	E	
810227	232800.0 FRMUR SHFT	5.0	8			WR		N
810306	172700.0 FRMUR SHFT	4.5	2			WR		N
810328	172259.2 FR SHFT	4.8	5	21.780S	138.674W	WR		N
810329	040350.0 CPKTS UNDG	5.6	24	50.007N	078.982E			N
810331	075156.0 CPKTS UNDG	3.6	.09	50.000N	079.000E			N
810410	175659.0 FR SHFT	4.8	8	21.775S	138.969W	WR		N
810422	011711.3 CPKTS UNDG	5.9	54	49.885N	078.810E			N
810430	USNTS SHFT	120			WR	VIDE	E	
810525	045957.5 CP UNDG	5.5	34	68.210N	053.500E			N
810527	03581234 CPKTS UNDG	5.4	17	49.985N	078.980E			N
810529	USNTS SHFT	120			WR	ALIGOTE	E	
810605	032200.0 CPKTS UNDG	4.7	0.24	50.000N	078.000E			N
810606	USNTS SHFT	20-150			WR	HARZER	E	
810630	015712.9 CPKTS UNDG	5.2	10	49.768N	078.119E			N

810705	035900.0	CPKTS	UNDG	4.6	0.19	50.000N	078.000E		N
810708	222258.8	FR	SHFT	5.1	20	21.781S	139.049W	WR	N
810710		USNTS	SHFT	120				WR NIZA E	
810711	171700.0	FRMUR	SHFT	5.0	8			WR	N
810716		USNTS	SHFT	120				WR PINEAU E	
810717	023715.7	CPKTS	UNDG	5.1	8.4	49.810N	078.160E		N
810718	174300.0	FRMUR	SHFT	4.5	2			WR	N
810803	183258.6	FR	SHFT	5.1	15	21.833S	138.900W	WR	N
810805		USNTS	SHFT	120				WR HAVARTI E	
810814	022712.8	CPKTS	UNDG	4.9	5.6	49.791N	078.121E		N
810827		USNTS	SHFT	120				WR ISLAY E	
810902	040003.9	CP	UNDG	4.4	2.6	60.590N	055.700E		N
810904		USNTS	SHFT	120				WR TREBBIANE	
810913	021718.2	CPKTS	UNDG	6.0	71	49.910N	078.915E		N
810924		USNTS	SHFT	120				WR CERNADA E	
810926	045957.4	CP	UNDG	5.2	8.6	46.820N	048.280E		N
810926	050357.0	CP	UNDG	5.3	10	46.790N	048.270E		N
810930	125500.0	CPKTS	UNDG	4.6	0.19	50.000N	078.000E		N
811001		USNTS	SHFT	20-150				WR PALIZA E	
811001	121456.9	CPNZ	UNDG	6.0	113	73.320N	054.550E		N
811018	035702.6	CPKTS	UNDG	6.0	66	49.923N	078.859E		N
811022	135957.4	CP	UNDG	5.1	13	63.790N	097.540E		N
811106	170300		0-5					LETO Z	
811111		USNTS	SHFT	20-150				WR TILCI E	
811111	170658.7	FR	SHFT	4.6	3	21.833S	138.991W	WR	N
811112		GBNTS	SHFT	20-150				WR ROUSANNEE	
811120	045702.6	CPKTS	UNDG	5.1	8.2	49.740N	078.160E		N
811129	033508.6	CPKTS	UNDG	5.7	32	49.987N	078.860E		N
811203		USNTS	SHFT	20-150				WR AKAVI E	
811205	165759.0	FR	SHFT	4.8	5	21.848S	138.774S	WR	N
811208	164658.7	FR	SHFT	5.1	15	21.808S	138.896W	WR	N
811216		USNTS	SHFT	120				WR CABOC E	
811222	043102.6	CPKTS	UNDG	5.0	6.6	49.831N	078.147E		N
811227	034314.1	CPKTS	UNDG	6.2	176	49.923N	078.795E		N
820128		USNTS	SHFT	20-150				WR JORNADA E	
820212		USNTS	SHFT	20-150				WR MOLBO E	
820212		USNTS	SHFT	20-150				WR HOSTA E	
820219	035611.1	CPKTS	UNDG	5.4	14	49.824N	078.069E		N
820220	173300.0	FRMUR	SH?	4.6	3			WR	N
820224	181500	FR	0-5					DEIPHOBZ	
820320	170257.8	FR	SHFT	5.2	15	21.996S	138.941W	WR	N
820323	170700	FR	0-5					EVENOS Z	
820417		USNTS	SHFT	120				WR TENAJA E	
820425		GBNTS	SHFT	20-150				GIBNE E	
820425	032305.2	CPKTS	UNDG	6.0	77	49.903N	078.913E		N
820506		USNTS	SHFT	120				WR KRYDDOSTE	
820507		USNTS	SHFT	20-150				WR BOUSCHETE	
820611	105900.0	CPKTS	UNDG	4.7	0.24	50.000N	078.000E		N
820616		USNTS	SHFT	120				WR KESTI E	
820624		USNTS	SHFT	20-150				WR NEBBIOLOE	
820625	020304.7	CPKTS	UNDG	4.8	3.6	49.810N	078.132E		N
820627	170000.0	FRMUR	SHFT	4.4	2			WR	N
820701	170158.8	FR	SHFT	5.3	20	21.766S	139.050W	WR	N

820704	011714.2	CPKTS	UNDG	6.2	158	49.960N	078.807E		N
820712	102900.0	CPKTS	UNDG	4.6	0.19	50.000N	078.000E		N
820721	171300.0	FRMUR	SHFT	4.5	2		WR		N
820725	180158.1	FR	SHFT	5.7	55	21.864S	138.943W	WR	N
820729		USNTS	SHFT	20-150			WR	MONTEREYE	
820730	210002.9	CP	UNDG	5.0	10	53.800N	104.140E		N
820731	070800.0	CP	UNDG	4.0	0.13	47.000N	048.000E		N
820805		USNTS	SHFT	20-150			WR	ATRISCO	E
820811		USNTS	SHFT	120			WR	QUESO	E
820823	024304.2	CPKTS	UNDG	4.7	2.8	49.788N	078.092E		N
820828	090900.0	CP	UNDG	4.0	0.13	47.000N	048.000E		N
820831	013100.7	CPKTS	UNDG	5.3	11	49.924N	078.761E		N
820831	084000.0	CP	UNDG	4.6	0.53	47.000N	048.000E		N
820902		USNTS	SHFT	120			WR	CERRO	E
820904	054700.0	CPKTS	UNDG	4.1	0.06	50.000N	078.000E		N
820904	175958.5	CP	UNDG	5.3	21	69.210N	081.640E		N
820915	043300.0	CPKTS	UNDG	5.1	0.62	50.000N	078.000E		N
820921	025700.8	CPKTS	UNDG	5.2	9.2	49.801N	078.151E		N
820923		USNTS	TUNN	120			WE	HURONLANE	
820923		USNTS	TUNN	120			WE	DIAMONDAE	
820923		USNTS	SHFT	20-150			WR	FRISCO	E
820925	175957.3	CP	UNDG	5.2	17	64.330N	081.800E		N
820929		USNTS	SHFT	1150			WR	BORREGO	E
821001	131000.0	CP	UNDG	4.0	0.13	47.000N	048.000E		N
821005		PCLNR	UNDG					N	
821010	045956.8	NEVA-1			1502			N	
821010	045956.8	CPYAK	UNDG	5.3	16	61.53N	112.86E	PNE	NEVA-1 ISC
821011	071458.3	CPNZ	UNDG	5.6	44	73.370N	054.340E		N
821016	055957.3	CP	UNDG	5.2	8.6	46.770N	048.220E		N
821016	060457.4	CP	UNDG	5.2	8.6	46.770N	048.240E		N
821016	060957.3	CP	UNDG	5.2	8.6	46.770N	048.220E		N
821027	072800.0	CP	UNDG	4.0	0.13	47.000N	048.000E		N
821112		USNTS	SHFT	120			WR	SEYVAL	E
821121	061000.0	CP	UNDG	4.4	0.65	55.000N	050.000E		N
821129	191900.0	CP	UNDG	4.1	0.32	55.000N	050.000E		N
821130	094900.0	CP	UNDG	4.5	0.42	47.000N	048.000E		N
821205	033712.5	CPKTS	UNDG	6.1	97	49.919N	078.813E		N
821210		USNTS	SHFT	20-150			WR	MANTECA	E
821225	042305.2	CPKTS	UNDG	4.8	3.6	49.807N	078.068E		N
821226	033514.2	CPKTS	UNDG	5.7	30	50.071N	078.988E		N
830201	135500.0	CP	UNDG	4.3	0.26	47.000N	048.000E		N
830211		USNTS	SHFT	120			WR	COALORA	E
830217		USNTS	SHFT	120			WR	CHEEDAM	E
830224	141100.0	CP	UNDG	4.3	0.26	47.000N	048.000E		N
830225	065300.0	CP	UNDG	4.2	0.21	47.000N	048.000E		N
830302	084530.0	CP	UNDG	3.8	0.31	48.000N	049.000E		N
830326		USNTS	SHFT	20-150			WR	CABRA	E
830330	041700.0	CPKTS	UNDG	5.0	0.49	49.000N	079.000E		N
830412	034105.2	CPKTS	UNDG	4.9	0.39	49.810N	078.220E		N
830413		USNTS	SHFT	1150			WR	TURQUOISE	
830419	185258.4	FR	SHFT	5.5	40	21.847S	138.906W	WR	N
830422		GBNTS	SHFT	120				ARMADA	E
830425	170300.0	FRMUR	SHFT	4.2	1		WR		N

830504	050000.0	PCLNR	TUNN	4.4	20-100						N
830505		USNTS	SHFT		120		WR	CROWDIE	E		
830525	173058.2	FR	SHFT	5.6	40	21.895S	138.918W	WR			N
830526		USNTS	TUNN		120		WE	MINIJADEE			
830526		USNTS	SHFT		120		WR	FAHADA	E		
830530	033344.8	CPKTS	UNDG	5.5	18	49.740N	078.190E				N
830609		USNTS	SHFT		120		WR	DANABLU	E		
830612	023643.7	CPKTS	UNDG	6.1	81	49.910N	078.970E				N
830618	173100.0	FRMUR	SHFT	4.6	3		WR			N	
830624	025611.2	CPKTS	UNDG	4.7	2.8	49.820N	078.120E				N
830628	174558.6	FR	SHFT	5.5	35	21.745S	138.917W	WR			N
830710	035957.3	CP	UNDG	5.3	21	51.330N	053.290E				N
830720	203000.0	FRMUR	SHFT	5.0	10	22S	139W	WR			N
830728	034100.0	CPKTS	UNDG	5.0	0.49	49.000N	079.000E				N
830803		USNTS	SHFT		120		WR	LABAN	E		
830804	171358.2	FR	SHFT	5.0	8	21.835S	138.922W	WR			N
830811		USNTS	SHFT		120		WR	SABADO	E		
830818	160958.6	CPNZ	UNDG	5.9	89	73.380N	054.870E				N
830827		USNTS	SHFT		120		WR	JARLSBERE			
830901		USNTS	SHFT		20-150		WR	CHANCELLE			
830911	063310.5	CPKTS	UNDG	4.9	4.5	49.890N	078.210E				N
830921		USNTS	TUNN		120		WE	TOMIZEPHE			
830921	152500.0	BRANCO				293	NTS02	LLNL			
830921	152500.0	USNTSYSS1			120		WR	BRANCO	E		
830921	152500.0	BRANCO-HERKIMER				427	NTS02	LLNL			
830921	152500.0	USNTSYSS1			120		WR	BRANCO-HE			
830921	162459.7	USNTS				37.113N	116.043W	**			N
830922		USNTS	SHFT		1150		WR	TECHADO	E		
830924	045957.1	CP	UNDG	5.1	6.8	46.820N	048.290E				N
830924	050457.2	CP	UNDG	5.0	5.4	46.820N	048.280E				N
830924	050957.5	CP	UNDG	4.9	4.2	46.860N	048.270E				N
830924	051457.1	CP	UNDG	5.2	8.6	46.780N	048.300E				N
830924	052457.4	CP	UNDG	5.2	8.6	46.840N	048.230E				N
830925	130957.9	CPNZ	UNDG	5.8	70	73.350N	054.380E				N
830929		USNTS	SHFT		120		WR	NAVATA	E		
831006	014706.8	CPKTS	UNDG	6.0	67	49.930N	078.840E				N
831006	100002.8	PCLNR	UNDG	5.5	20-100	41.550N	088.767E				N
831026	015505.0	CPKTS	UNDG	6.1	101	49.890N	078.900E				N
831120	032704.6	CPKTS	UNDG	5.5	18	50.060N	079.020E				N
831129	021906.7	CPKTS	UNDG	5.4	14	49.770N	079.020E				N
831203	165800.0	FRMUR	SHFT	4.7	4	22S	139W	WR			N
831207	172800.0	FRMUR	SHFT	5.2	15	22.3S	138.5W	WR			N
831209		USNTS	SHFT		120		WR	MUGGINS	E		
831216		USNTS	SHFT		20-150		WR	ROMANO	E		
831226	042906.8	CPKTS	UNDG	5.5	18	49.840N	078.220E				N
840131		USNTS	SHFT		20-150		WR	GORBEA	E		
840215		USNTS	TUNN		120		WE	MIDASMYTE			
840219	035703.4	CPKTS	UNDG	5.8	38	49.910N	078.810E				N
840301		USNTS	SHFT		20-150		WR	TORTUGASE			
840307	022906.4	CPKTS	UNDG	5.7	30	50.060N	079.000E				N
840329	051908.2	CPKTS	UNDG	5.9	48	49.940N	079.020E				N
840331		USNTS	SHFT		120		WR	AGRINI	E		
840415	031709.1	CPKTS	UNDG	5.7	30	49.740N	078.160E				N

840425	010903.5	CPKTS	UNDG	5.9	48	49.950N	078.940E		N
840501		GBNTS	SHFT	20-150			MUNDO	E	
840502		USNTS	SHFT	120			WR	ORKNEY	E
840508	172600.0	FRMUR	SHFT	5.3	20		WR		N
840512	173058.3	FR	SHFT	5.7	3.8	55	21.852S	138.961W	WR
840516		USNTS	SHFT	120			WR	BELLOW	E
840526	031312.4	CPKTS	UNDG	6.0	61	49.980N	079.060E		N
840531		USNTS	SHFT	20-150			WR	CAPROCK	E
840612	171600.0	FRMUR	SHFT	4.5	2		WR		N
840616	174357.9	FR	SHFT	5.5	35	21.933S	138.992W	WR	N
840620		USNTS	SHFT	20-150			WR	DUORO	E
840623	025700.0	CPKTS	UNDG	4.4	0.12	50.000N	079.000E		N
840712		USNTS	SHFT	120			WR	NORMANNAE	
840714	010910.5	CPKTS	UNDG	6.2	140	49.890N	078.960E		N
840721	025957.1	CP	UNDG	5.4	27	51.356N	053.249E		N
840721	030457.0	CP	UNDG	5.3	5.5	51.374N	053.257E		N
840721	030957.0	CP	UNDG	5.3	21	51.353N	053.271E		N
840721	074106.0	CP	UNDG	3.8	0.62	48.000N	059.000E		N
840725		USNTS	SHFT	20-150			WR	KAPPELI	E
840802		USNTS	SHFT	120			WR	CORREO	E
840811	185957.4	CP	UNDG	5.1	3.4	65.079N	055.287E		N
840825	185958.6	CP	UNDG	5.4	27	61.876N	072.092E		N
840827	055957.0	CP	UNDG	4.5	3.2	66.770N	033.680E		N
840828	025955.5	CP	UNDG	4.4	2.6	60.826N	057.472E		N
840828	030459.0	CP	UNDG	4.5	3.3	61.000N	058.000E		N
840830		USNTS	SHFT	120			WR	WEXFORD	E
840830		USNTS	SHFT	120			WR	DOLCETTOE	
840909	025906.4	CPKTS	UNDG	5.0	5.7	49.870N	078.180E		N
840913		USNTS	SHFT	20-150			WR	BRETON	E
840915	061500.0	CPKTS	UNDG	5.2	0.79	50.000N	079.000E		N
840917	205957.4	CP	UNDG	4.9	8.4	55.835N	087.408E		N
841002		USNTS	SHFT	120			WR	VERMEJO	E
841003	055957.8	PCLNR	SHFT	5.3	15.70	41.600N	088.733E		N
841018	045705.7	CPKTS	UNDG	4.5	1.8	49.800N	078.140E		N
841025	062957.7	CPNZ	UNDG	5.9	89	73.370N	054.960E		N
841027	015010.6	CPKTS	UNDG	6.2	140	49.950N	078.830E		N
841027	055957.1	CP	UNDG	5.0	5.4	46.860N	048.100E		N
841027	060456.7	CP	UNDG	5.0	5.4	46.840N	048.080E		N
841027	171600.0	FRMUR	SHFT	4.7	3	21.5S	139.1W	WR	N
841102	204458.0	FRMUR	SHFT	5.5	35	21.87S	139W	WR	N
841110		USNTS	SHFT	120			WR	VILLITA	E
841123	035504.8	CPKTS	UNDG	4.7	2.8	49.900N	078.130E		N
841201	165100.0	FR	SHFT	4.2	1	22.S	139.W	WR	N
841202	031906.3	CPKTS	UNDG	5.8	38	49.990N	079.070E		N
841206	172858.3	FR	SHFT	5.6	55	21.890S	138.954W	WR	N
841209		GBNTS	SHFT	20-150				EGMONT	E
841215		USNTS	SHFT	20-150			WR	TIERRA	E
841216	035502.7	CPKTS	UNDG	6.1	81	49.960N	078.860E		N
841219	060004.2	PCLNR	UNDG	4.7	5-50	41.683N	088.450E		N
841220		USNTS	SHFT	120			WR	MINERO	E
841228	035010.7	CPKTS	UNDG	6.0	61	49.860N	078.750E		N
850210	032707.6	CPKTS	UNDG	5.9	48	49.880N	078.820E		N
850315		USNTS	SHFT	20-150			WR	VAUGHN	E

850323	USNTS SHFT	20-150				WR	COTTAGE E	
850402	USNTS SHFT	20-150				WR	HERMOSA E	
850406	USNTS TUNN	120				WE	y RAIN E	
850419	135358.7 CP UNDG	4.7	5.2	44.440N	057.930E			N
850425	005706.5 CPKTS UNDG	5.9		48 49.920N	078.970E			N
850430	172857.0 FRMUR SHFT	5.1	15	22.1S	138.9W	WR		N
850502	USNTS SHFT	20-150				WR	TOWANDA E	
850508	202800.0 FRMUR SHFT	5.8	5	90 21.8S	139.06W	WR		N
850603	173000.0 FRMUR SHFT	5.1	10			WR		N
850607	174000.0 FRMUR SHFT	4.8	5			WR		N
850612	USNTS SHFT	20-150				WR	SALUT E	
850612	USNTS SHFT	120				WR	VILLE E	
850615	005700.7 CPKTS UNDG	6.0	61	49.890N	078.880E			N
850626	USNTS SHFT	120				WR	MARIBO E	
850630	023902.7 CPKTS UNDG	6.0	61	49.860N	078.700E			N
850711	022700.0 CPKTS UNDG	4.0	0.05	50.000N	078.000E			N
850718	211457.5 CP UNDG	5.0	10	65.965N	040.754E			N
850720	005300.0 CPKTS UNDG	6.7	27	50.000N	079.000E			N
850725	USNTS SHFT	20-150				WR	SERENA E	
850725	031100.0 CPKTS UNDG	5.3	1.00	50.000N	079.000E			N
850814	USNTS SHFT	120				WR	CABRERO E	
850817	USNTS SHFT	120				WR	CHAMITA E	
850927	USNTS SHFT	120				WR	PONIL E	
851009	USNTS TUNN	120				WE	MILLYRRDE	
851009	USNTS TUNN	120				WE	d BEECH E	
851012	USNTS?					**	N	
851016	USNTS SHFT	20-150				WR	ROQUEFORE	
851024	175000.0 FRMUR SHFT	4.5	2			WR	HERO N	
851026	163458.0 FRMUR SHFT	5.3	4.5	20 21.81S	139W	WR		N
851030	USNTS SHFT	120				WR	ABO E	
851124	163000.0 FRMUR SHFT	4.8	5	21.7S	138.8W	WR		N
851126	174200.0 FRMUR SHFT	5.6	55	21.86S	138.92W	WR		NZ
851205	GBNTS SHFT	20-150					KINIBITOE	
851228	USNTS SHFT	20-150				WR	GOLDSTONE	
860322	USNTS SHFT	20-150				WR	GLENCOE E	
860410	USNTS TUNN	120				WE	MIGHTYOAE	
860420	231229.9 USNTS SHFT		120			WR	MOGOLLONE	
860422	USNTS SHFT	20-150				WR	JEFFERSOE	
860426	170156.6 FR SHFT	4.8	5	22.150S	139.120W	WR		N
860506	165800.0 FRMUR SHFT	4.7	5			WR		N
860521	USNTS SHFT	120				WE	PANAMINTE	
860527	171500.0 FRMUR SHFT	4.7	4			WR		N
860530	172458.2 FR SHFT	5.4	4.3	30 21.913S	139.100W	WR		N
860605	USNTS SHFT	20-150				WR	TAJO E	
860625	GBNTS SHFT	20-150					DARWIN E	
860717	USNTS SHFT	20-150				WR	CYBAR E	
860904	160900.1 USNTS SHFT		120			WR	GALVESTOE	
860724	USNTS SHFT	120				WR	CORNUCOPE	
860911	USNTS SHFT	120				WR	ALEMAN E	
860930	USNTS SHFT	20-150				WR	LABQUARKE	
861016	USNTS SHFT	20-150				WR	BELMONT E	
861110	165800.0 FRMUR SHFT	4.9	6			WR		N
861112	170158.5 FR SHFT	5.3	25	21.894S	139.068W	WR		N

861114	USNTS SHFT	20-150			WR	GASCON E		
861206	171000.0 FRMUR SHFT	5.0	9		WR	N		
861210	171458.6 FR SHFT	5.5	30	21.877S	138.986W	WR		N
861213	USNTS SHFT	20-150			WR	BODIE E		
870203	152000.0 HAZEBROOK-EMERALD(GREEN)					186 NTS10 LLNL		
870203	152000.0 USNTSYSS1	I20			WR	HAZEBROOE		
870203	152000.0 HAZEBROOK-CHECKERBERRY(RED)					226 NTS10 LLNL		
870203	152000.0 USNTSYSS1	I20			WR	HAZEBROOE		
870203	152000.0 HAZEBROOK-APRICOT(ORANGE)					262 NTS10 LLNL		
870203	152000.0 USNTSYSS1	I20			WR	HAZEBROOE		
870211	USNTS SHFT	I20			WR	TORNERO E		
870226	045824.0 CPKTS UNDG	5.4	14	49.840N	078.120E			N
870312	015718.0 CPKTS UNDG	5.5	18	49.940N	078.820E			N
870318	USNTS TUNN	I20			WE	MIDDLENOE		
870403	011709.0 CPKTS UNDG	6.2	140	49.900N	078.810E			N
870417	010304.7 CPKTS UNDG	6.0	61	49.851N	078.690E			N
870418	USNTS SHFT	20-150			WR	DELAMAR E		
870419	040001.8 CP UNDG	4.5	3.3	60.781N	056.220E			N
870419	040501.2 CP UNDG	4.4	2.6	60.674N	056.295E			N
870422	USNTS SHFT	I20			WR	PRESIDIOE		
870430	USNTS SHFT	20-150			WR	HARDIN E		
870505	165801.0 FRMUR SHFT	4.8	5	21.6S	138.7W	WR		NZ
870506	040205.6 CPKTS UNDG	5.6	23	49.830N	078.125E			N
870520	170458.0 FRMUR SHFT	5.4	30	21.87S	138.97W	WR		NZ
870605	045958.3 PCLNR SHFT	6.2				N		
870606	023706.9 CPKTS UNDG	5.3	12	49.865N	078.143E			N
870606	180001.0 FRMUR SHFT	4.5	3	21.5S	138.8W	WR		NZ
870618	USNTS SHFT	I20			WR	BRIE E		
870620	USNTS TUNN	I20			WE	MISSIONGE		
870620	005304.8 CPKTS UNDG	6.1	81	49.901N	078.726E			N
870621	175458.4 FR SHFT	5.2	15	21.984S	138.844W	WR		N
870630	USNTS SHFT	I20			WR	PANCHUELE		
870706	235956.9 NEVA-2			1526.6				
870706	235956.9 CPYAK UNDG	5.1	13	61.50N	112.83E	PNE	NEVA-2	ISC
870716	GBNTS SHFT	20-150				MIDLAND E		
870717	011707.0 CPKTS UNDG	5.8	38	49.779N	078.128E			N
870724	015956.9 NEVA-3			1515.2		N		
870724	015956.9 CPYAK UNDG	5.1	13	61.46N	112.78E	PNE	NEVA-3	ISC
870802	005806.7 CPKTS UNDG	5.9	48	49.828N	078.898E			N
870802	015959.5 CPNZ UNDG	5.8	70	73.289N	054.713E			N
870812	012957.1 NEVA-4			815.3		N		
870812	012957.1 CPYAK UNDG	5.0	3.2	61.46N	112.79E	PNE	NEVA-4	ISC
870813	USNTS SHFT	20-150			WR	TAHOKA E		
870916	073001.0 CPKTS UNDG	5.0	6	49.000N	078.000E			N
870918	023157.0 CPKTS UNDG	4.3	1.1	49.000N	078.000E			N
870924	USNTS SHFT	20-150			WR	LOCKNEY E		
871003	151457.5 CP UNDG	5.2	17	47.630N	056.220E			N
871016	060600.0 CPKTS UNDG	4.6	2.2	49.000N	078.000E			N
871023	USNTS SHFT	20-150			WR	BORATE E		
871023	164959.0 FRMUR SHFT	5.6	50	21.78S	139.05W	WR		NZ
871105	172955.5 FR SHFT	5.2	20	22.340S	138.970W	WR		N
871115	033106.7 CPKTS UNDG	6.0	61	49.879N	078.790E			N
871119	163058.5 FR SHFT	5.7	60	21.878S	139.037W	WR		N

871129	175900.0	FRMUR SHFT	4.6	3	22S	139W	WR		N
871201		USNTS SHFT	120			WR	WACO	E	
871202		USNTS TUNN	120			WE	MISSIONCE		
871213	032104.7	CPKTS UNDG	6.1	81	49.970N	078.880E			N
871220	025512.0	CPKTS UNDG	4.8	3.6	50.100N	077.500E			N
871227	030508.0	CPKTS UNDG	6.1	81	49.900N	078.590E			N
880206	041909.1	CPKTS UNDG			49.787N	077.975E			I
880213	030506.0	CPKTS UNDG	6.1		49.930N	078.910E			I
880215		USNTS SHFT	20-150			WR	KERNVILLE		
880403	013305.9	CPKTS UNDG	6.0		49.870N	078.920E			I
880407		USNTS SHFT	120			WR	ABILENE E		
880422	093006.9	CPKTS UNDG	4.9		49.760N	078.090E			I
880504	005706.8	CPKTS UNDG	6.1		49.890N	078.760E			I
880507	224958.3	CPNZ UNDG	5.6		73.350N	054.430E			I
880511	165958.1	FR SHFT	5.3	20	21.927S	139.107W	WR		N
880513		USNTS SHFT	1150			WR	SCHELLBOE		
880521		USNTS SHFT	1150			WR	LAREDO E		
880525	170058.0	FR SHFT	5.8	80	21.899S	139.027W	WR		N
880602		USNTS SHFT	1150			WR	COMSTOCKE		
880614	022706.4	CPKTS UNDG	5.1		50.000N	079.000E			I
880616	171457.0	FRMUR SHFT	4.8	5		WR		N	
880622		USNTS SHFT	1150			WR	RHYOLITEE		
880622		USNTS SHFT	1150			SF	NIGHTINGE		
880623	173058.5	FR SHFT	5.4	30	21.928S	139.042W	WR		N
880707		USNTS SHFT	1150			WR	ALAMO E		
880817		USNTS SHFT	1150			WR	KEARSRGEE		
880822	161958.5	CP UNDG	5.3		66.310N	078.520E			I
880823		USNTS SHFT	120			WR	HARLINGEE		
880823	173000.0	HARLINGEN-A			290	NTS06	LANL		
880823	173000.0	USNTSYSS1		120		WR	HARLINGEN		
880823	173000.0	HARLINGEN-B			290	NTS06	LANL		
880823	173000.0	USNTSYSS2		120		WR	HARLINGEN		
880830		USNTS SHFT	1150			WR	BULLFROGE		
880906	161958.7	CP UNDG			61.330N	047.980E			I
880914	035957.6	CPKTS UNDG	6.1		49.810N	078.800E			I
880929	070003.1	PCLNR TUNN	4.7	1-20	41.750N	088.467E			N
881013		USNTS SHFT	1150			WR	DAHLHARTE		
881018	034006.7	CPKTS UNDG	4.9		49.860N	078.100E			I
881025	170000.0	FRMUR SHFT	4.4	2		WR		N	
881105	162957.6	FR SHFT	5.6	50	22.052S	139.029W	WR		N
881109		USNTS SHFT	120			WR	MONAHANSE		
881109	201500.0	MONAHANS-A			290	NTS03	LANL		
881109	201500.0	USNTSYSS1		120		WR	MONAHANSN		
881109	201500.0	MONAHANS-B			290	NTS06	LANL		
881109	201500.0	USNTSYSS2		120		WR	MONAHANSN		
881112	033003.8	CPKTS UNDG	5.4		50.030N	078.980E			I
881123	170058.5	FR SHFT	5.6	40	22.908S	139.029W	WR		N
881123	035706.8	CPKTS UNDG	5.4		49.770N	078.060E			I
881130	175454.3	FRFAN SHFT	5.9	100	22.900S	138.910W	WR		N
881204	051953.2	CPNZ UNDG	5.9		73.380N	054.960E			I
881209		USNTS SHFT	120			WR	KAWICH AE		
881209	151500.0	KAWICH A-WHITE			369	NTS08	LLNL		
881209	151500.0	USNTSYSS1		120		WR	KAWICH AE		

881209	151500.0	KAWICH A-BLUE			384	NTS08	LLNL		
881209	151500.0	USNTSYSS1	120			WR	KAWICH AE		
881210		USNTS TUNN	1150			WE	y ECHO E		
881217	041807.0	CPKTS UNDG	5.9		49.850N	078.930E			I
881228	052800.0	CPKTS UNDG			50.000N	079.000E			I
890122	035706.7	CPKTS UNDG	6.0		49.900N	078.830E			I
890210		USNTS SHFT	20-150			WR	TEXARKANE		
890212	041506.9	CPKTS UNDG	5.8		49.900N	078.750E			I
890217	040106.8	CPKTS UNDG	5.1		49.770N	078.070E			I
890224	161500.0	KAWICH-RED			370	NTS02	LLNL		
890224	161500.0	USNTSYSS1	120			WR	KAWICH-RE		
890224	161500.0	KAWICH-BLACK			431	NTS02	LLNL		
890224	161500.0	USNTSYSS1	120			WR	KAWICH-BE		
890309		USNTS SHFT	20-150			WR	INGOT E		
890511	163348.2	FRMUR SH?	5.5		21.700S	139.100W			I
890515	121000.0	PALISADE-1			345	NTS04	LLNL		
890515	121000.0	USNTSYSS1	120			WR	PALISADEE		
890515	121000.0	PALISADE-2			392	NTS04	LLNL		
890515	121000.0	USNTSYSS1	120			WR	PALISADEE		
890515	121000.0	PALISADE-3			404	NTS04	LLNL		
890515	121000.0	USNTSYSS1	120			WR	PALISADEE		
890520	175900	FR	4.1	0-10			Z		
890526		USNTS SHFT	120			WR	TULIA E		
890603	172958.8	FRMUR SH?	5.2		21.800S	139.100W			I
890610	172959.0	FRMUR SH?	5.5		22.260S	138.720W			I
890622		USNTS SHFT	20-150			WR	CONTACT E		
890627		USNTS SHFT	20-150			WR	AMARILLOE		
890708	034657.7	CPKTS UNDG	5.6		49.860N	078.810E			I
890902	041657.3	CPKTS UNDG	5.1		50.030N	079.020E			I
890914		USNTS TUNN	120			WE	DISKOELME		
891004	112957.9	CPKTS UNDG	4.7		49.830N	078.090E			I
891019	094957.3	CPKTS UNDG	5.9		49.900N	078.970E			I
891024	162958.5	FRMUR SH?	5.4		21.850S	139.010W			I
891031		USNTS SHFT	20-150			WR	HORNITOSE		
891031	165658.9	FRMUR SH?	5.2		21.760S	138.980W			I
891115		USNTS SHFT	120			WR	MULESHOEE		
891120	172858.7	FRMUR SH?	5.3		21.790S	130.000W			I
891127	165959.0	FRMUR SH?	5.6	4.0	22.370S	138.960W			I
891208		GBNTS SHFT	20-150				BARNWELLE		
891220	220000.0	WHITEFACE-B			183	NTS03	LANL		
891220	220000.0	USNTSYSS1	120			WR	WHITEFACE		
891220	220000.0	WHITEFACE-A			197	NTS03	LANL		
891220	220000.0	USNTSYSS1	120			WR	WHITEFACE		
900310		USNTS SHFT	20-150			WR	METROPOLE		
900406		USNTS SHFT	120			WR	BOWIE E		
900526	075957.8	PCLNR SHFT	5.4	15-65	41.567N	088.683E			N
900602	172959.0	FRMUR SH?	5.3	4.3	30	21.820S	138.940W		DI
900607	174900.0	FRMUR SH?	4.3	3			D		
900613		USNTS SHFT	20-150			WR	BULLION E		
900621		USNTS SHFT	120			WR	AUSTIN E		
900626	175958.4	FRFAN SH?	5.5	4.3	100	22.200S	138.830W		DI
900704	175958.8	FRMUR SH?	4.9	18	21.800S	139.100W			DI
900725	170000.0	MINERAL QUARRY			389	NTS12	LANL,DOD		

900725	170000.0	USNTSRTUN1		120			WR	MINERALQE	
900725	170000.0	RANDBURG					389 NTS12	LANL,DOD	
900725	170000.0	USNTSRTUN1		120			WR	RANDBURE	
900816	045957.6	PCLNR SHFT	6.2	50-200	41.567N	081.567E			N
900920	161500.0	SUNDOWN-B					256 NTS01	LANL	
900920	161500.0	USNTSYSS1		120			WR	SUNDOWN-E	
900920	161500.0	SUNDOWN-A					270 NTS01	LANL	
900920	161500.0	USNTSYSS1		120			WR	SUNDOWN-E	
900927		USNTS SHFT		120			WE	LEDOUX E	
901012		USNTS SHFT		20-150			WR	TENABO E	
901024	145758.3	CPNZ UNDG	5.7		73.360N	054.670E			I
901114		GBNTS SHFT		20-150				HOUSTON E	
901114	181158.4	FRMUR SH?	5.6 5.8	117	22.200S	138.840W			DI
901121	165958.4	FRMUR SH?	5.4	36	21.900S	138.980W			DI
910308	210200.0	COSO-BRONZE					333 NTS04	LLNL	
910308	210200.0	USNTSYSS1		120			WR	COSO-BROE	
910308	210200.0	COSO-GRAY					442 NTS04	LLNL	
910308	210200.0	USNTSYSS1		120			WR	COSO-GRAE	
910308	210200.0	COSO-SILVER					475 NTS04	LLNL	
910308	210200.0	USNTSYSS1		120			WR	COSO-SILE	
910404		USNTS SHFT		20-150			WR	BEXAR E	
910416		USNTS SHFT		20-150			WR	MONTELO E	
910507	170000.0	FRMUR SH?	3.8	1				D	
910518	171458.5	FRMUR SH?	5.1	16	21.832S	139.014W			D
910529	185958.2	FRMUR SH?	5.5	107	22.256S	138.794W			E
910614	175957.9	FRMUR SH?	5.4	28	21.944S	138.988W			D
910705	180000.0	FRMUR SH?	3.8	0.3				D	
910715	180958.3	FRMUR SH?	5.3	34	21.877S	138.963W			E
910815		USNTS SHFT		120			WR	FLOYDADAE	
910914		USNTS SHFT		20-150			WR	HOYA E	
910919		USNTS TUNN		120			WE	DISTANTZE	
911018		USNTS SHFT		20-150			WR	LUBBOCK E	
911126		GBNTS SHFT		120				BRISTOL E	
920326		USNTS SHFT		20-150			WR	JUNCTIONE	
920430		USNTS TUNN		120			WE	dFORTUNEE	
920521	045957.4	PCLNR UNDG	6.6	700-1800	41.583N	088.880E			N
920619		USNTS SHFT		120			WR	VICTORIAE	
920623	140000.0	GALENA-YELLOW					290 NTS04	LLNL	
920623	140000.0	USNTSYSS1		120			WR	GALENA-YE	
920623	140000.0	GALENA-ORANGE					380 NTS09	LLNL	
920623	140000.0	USNTSYSS1		120			WR	GALENA-OE	
920623	140000.0	GALENA-GREEN					400 NTS09	LLNL	
920623	140000.0	USNTSYSS1		120			WR	GALENA-GE	
920918	170000.0	USNTS TUNN	4.4	120	37.207N	116.210W	WE		HUNTERSTE
920923		USNTS SHFT		120			WR	DIVIDER E	
920925	804000.0	PCLNR UNDG	5.4	1-2					N
931005	020000	PCLNR UNDG	5.8		41.7N	088.6E			
940610	062600	PCLNR UNDG	5.7		41.64N	088.86E			C
941007	032558.2	PCLNR			41.55N	089.07E			R
950515	040559.6	PCLNR UNDG	5.7		41.630N	088.870E			G
950817	005959.3	PCLNR UNDG	5.5		41.600N	088.860W			G
950905	213000.4	FRMUR UNDG	4.7		21.850S	138.940W			G
951001	232959.4	FRFAN UNDG	5.2 3.9		22.250S	138.760W			G

951027	220000.0	FRMUR	UNDG	5.3	60	21.820S	139.050W	G
951121	212959.9	FRMUR	UNDG	4.6		21.900S	138.960W	G
951227	212959.8	FRMUR	UNDG	5.0		21.800S	139.090W	G
960127	212959.5	FRFAN	UNDG	5.1		22.270S	138.780W	G
960608	025559.4	PCLNR	UNDG	5.7	4.0	41.65N	88.76E	G
960729	014859.1	PCLNR	UNDG	4.7		41.69N	88.35E	G
980511	101344.2	INRAJ	UNDG	5.1	3.6	43	27.072N 71.761E	SHAKTI1 Gi
980511	101344.2	INRAJ	UNDG		12		27.072N 71.761E	SHAKTI2 Gi
980511	101344.2	INRAJ	UNDG		0.2		27.072N 71.761E	SHAKTI3 Gi
980513	0651	INRAJ	UNDG	3?	0.5	27.1N	71.7E	SHAKTI4 i
980513	0651	INRAJ	UNDG	3?	0.3	27.1N	71.7E	SHAKTI5 i
980528	101617.6	PKCHA	UNDG	4.9	3.6	?	28.903N 64.893E	G
980528	101617.6	PKCHA	UNDG	4.9	3.6	?	28.903N 64.893E	G
980530	065506.3	PKCHA	UNDG	4.3		?	28.513N 63.865E	G
061009	013528	NK	TUNN	4.2	1-10	41.294N	129.134E	L

980528, 980530 There is some doubt as to how many tests occurred at each of these days. It appears that 980528 probably included not less than two tests.

710429 NTS Mine Throw may have been a chemical explosion.

Threshold Test Ban Treaty Verification to date:

USSR/Russian Federation tests verified by the US: None

UK tests at the NTS verified by the Russian Federation: None

US tests verified by the USSR: HOYA On-site inspection at NTS
 JUNCTION hydrodynamic method at NTS
 JUNCTION seismic method at TUL, RSSD, NEW

[[Catalog index](#)]