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LAST MODIFIED 1996 AUG05. IF YOU CITE THIS CATALOG USE THIS DATE** ADDITIONS
DELETIONS, AND CORRECTIONS WILL BE CONTINUING

CATALOG OF KNOWN AND PUTATIVE NUCLEAR EXPLOSIONS FROM UNCLASSIFIED SOURCES

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:
jim@leonard.okgeosurvey1.gov. PLEASE CITE AN UNCLASSIFIED DOCUMENT WITH YOUR
SUGGESTIONS.

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

ACKNOWLEDGEMENTS AND DISCLAIMER

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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

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, Colorado (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= 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)

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
ROCK=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 <, >, LOW, HIGH, -, SLIGHT, FIZZ.
Unless there is a single number without a <, >, 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 Orginization Database of Nuclear
Explosions [http://www.agso.gov.au/information/structure/isd/
database/nukexp_query.html](http://www.agso.gov.au/information/structure/isd/database/nukexp_query.html)

DATE	TIME	TP	TYPE	MAG	YIELD	LAT	LON	PU	ROCKw		
yyymmdd	hhmmss.	SITE		mb Ms	kt.	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		<0.1			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
540326		USBKN	BARG	11000		WR 2	ROMEO
540406		USBKN	SURF	110		WR	KOON
540425		USBKN	BARG	6900		WR 2	UNION
540504		USBKN	BARG	13500		WR 2	YANKEE
540513		USENW	BARG	1690		WR 2	NECTAR
540914	053600.0	CP		55.000N	64.000E		N
550218		USNTS	AIRD	1		WE	WASP
550222		USNTS	TOWR	2		WR	MOTH
550301		USNTS	TOWR	7		WR	TESLA
550307		USNTS	TOWR	43		WR	TURK
550312		USNTS	TOWR	4		WR	HORNET
550322		USNTS	TOWR	8		WR	BEE
550323		USNTS	CRAT	1		WE	ESS
550329		USNTS	TOWR	14		WR	APPLE-1
550329		USNTS	AIRD	3		WR	WASP p
550406		USNTS	AIRD	3		WE	HA
550409		USNTS	TOWR	2		WR	POST
550415		USNTS	TOWR	22		WE	MET
550505		USNTS	TOWR	29		WR	APPLE-2
550515		USNTS	TOWR	28		WR	ZUCCHINIE
550514		USPAC	UNDW	30		WE	WIGWAM
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
560320		CP					N
560330		CP					N
560504		USENW	SURF	40		WR	LACROSSEE
560502		USBKN	AIRD	3400		WR	CHEROKE
560516		GBMBI	TOWR				MOSAIC
560527		USBKN	SURF	3500		WR 2	ZUNI
560527		USENW	TOWR	0.19		WR	YUMA
560530		USENW	TOWR	16.8		WR	ERIE
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
560619		GBMBI	TOWR				B
560621		USENW	TOWR	16		WR	INCA
560625		USBKN	BARG	1000		WR	DAKOTA

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	<1000			N
560830	CP	ATMO	>20			N
560902	CP	ATMO				N
560910	CP	ATMO				N
560927	GBMAR	TOWR	>100		BUFFALO	B
561004	GBMAR	SURF	LOW			B
561011	GBMAR	AIRD	LOW			B
561022	GBMAR	TOWR	>100			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	<20		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		>1000	73.000N 055.000E	N
570925	003000.0	GBMAR	TOWR	>100		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	>100		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	<1		SF	VENUS	E
580223		CPNZ	ATMO	>1000	73.000N 055.000E			N
580227	075900.0	CPNZ	ATMO	>1000	73.000N 055.000E			N
580227	102400.0	CPNZ	ATMO	HIGH	73.000N 055.000E			N
580314		USNTS	TUNN	<1		SF	URANUS	E
580314		CPNZ	ATMO	<1000	73.000N 055.000E			N
580314		CP	ATMO	<1000				N
580315		CP	ATMO	<1000				N
580320		CPNZ	ATMO	LOW	73.000N 055.000E			N
580321		CP	ATMO	LOW				N
580322		CPNZ	ATMO	>20	73.000N 055.000E			N
580428		USPAC	BALN	1.7		WE	YUCCA	E
580428	190500.0	GBCHR	AIRD	>1000			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	>100				B
580827		USSAT	ROCH	1-2		WE	ARGUS 1	E
580830		USSAT	ROCH	1-2		WE	ARGUS 2	E
580902	172400.0	GBCHR	AIRD	>1000				B
580906		USSAT	ROCH	1-2		WE	ARGUS 3	E
580911	174800.0	GBCHR	AIRD	>1000				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	>100				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	>20	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	>1000	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	>1000	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	>1000	73.000N 055.000E		N
581019	072700.0	CPNZ	ATMO	LOW	73.000N 055.000E		N
581020	082000.0	CPNZ	ATMO	>1000	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	>1000	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	<20	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	>1000	73.000N 055.000E		N
610910	CPNZ	ATMO	LOW	73.000N 055.000E			N
610912	100800.0	CPNZ	ATMO	>1000	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	>1000	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	>1000	73.000N 055.000E		N
610917	CPKTS	ATMO	20-150	50.000N 078.000E			N
610918	075936.8	CPNZ	ATMO	>1000	74.000N 052.000E		N

610920	081200.0	CPNZ	ATMO	>1000	73.000N	055.000E			N
610922	080100.0	CPNZ	ATMO	>1000	73.000N	055.000E			N
611002	103100.0	CPNZ	ATMO	>1000	73.000N	055.000E			N
611004	073054.8	CPNZ	ATMO	>1000	73.700N	053.800E			N
611006	070000.0	CPNZ	ATMO	>1000	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	<20	49.772N	077.995E			A
611012		CPKTS	ATMO	LOW	50.000N	078.000E			N
611020		CPNZ	ATMO	>1000	73.000N	055.000E			N
611021		CPSYS	ATMO	<5					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	<1000	73.000N	055.000E			N
611027	083026.6	CPNZ	ATMO	20-150	70.700N	053.500E			N
611027		CPSYS	ATMO	<5					N
611029		USNTS	SHFT	LOW			WR	MINK	E
611030	083300.0	CPNZ	ATMO	58000	73.000N	055.000E			N
611031	082900.0	CPNZ	ATMO	>1000	73.000N	055.000E			N
611031	083800.0	CPNZ	ATMO	<1000	73.000N	055.000E			N
611102	084100.0	CPNZ		20-150	73.000N	055.000E			N
611104	072000.0	CPNZ	ATMO	>1000	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	<20	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	>20	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	>1000	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	>1000	WR 2	BIGHORN EN
620627	USNTS	SHFT	67	WR	HAYMAKERE
620628	USNTS	TUNN	LOW	WE	MARSHMALE
620630	USCHR	AIRD	>1000	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	>1000	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	<1000 73.000N 055.000E	N
620820	090214.1	CPNZ	ATMO	>1000 74.300N 051.500E	N
620822	090000.0	CPNZ	ATMO	>1000 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	>1000 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	>1000 73.000N 055.000E	N
620914		USNTS	SHFT	LOW	WR HYRAX E
620915	080213.9	CPNZ	ATMO	>1000 74.400N 051.500E	N
620916	105900.0	CPNZ	ATMO	>1000 73.000N 055.000E	N
620918	082902.7	CPNZ	ATMO	>1000 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	>1000 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	>20	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	>1000		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	>100	50.000N 078.000E		N
621022	090600.0	CPNZ	ATMO	>1000	73.000N 055.000E		N
621026		USJON	ROCH	<1000		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	>1000		WR 2	HOUSATONEN
621030		CPNZ	ATMO	20-1000	73.000N 055.000E		N
621101		USJON	ROCH	<1000		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	<20	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	#KOHOCOTON*			255	NTS09 LLNL			
630823	1320	USNTSYSS2		LOW		WR	KOHOCOTONE		
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	NARRAGUA	E	
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	
631204	1638								
631204	1638	#SARDINE*				262	NTS03 LANL		
631204	1638	USNTSYSS1		<20		WR	SARDINE	E	
631204	1638	#BARRACUDA				263	NTS03 LANL		
631204	1638	USNTSYSS2		<20		WR	BARRACUDE		
631212		USNTS	SHFT	LOW		WR	EAGLE	E	
631220		USNTS	SHFT	LOW		WR	TUNA	E	
640116		USNTS	SHFT	20-200	37.090N	116.090W	WR	FORE	E
640123	160000.2	USNTS	SHFT	4.2	<20	37.080N 116.050W	WR	OCONTO	E
640130		USNTS	SHFT		<20		WR	CLUB	E
640212		USNTS	SHFT		<20		WR	SOLENDONE	
640213		USNTS	SHFT		<20		WR	BUNKER	E
640218		USNTS	SHFT		<20		WR	BONEFISHE	
640218		USNTS	SHFT		<20		WR	MACKERELE	
640220	153000.1	USNTS	SHFT	5.1	24	37.20N 111.00W		KLICKITAEN	
640312		USNTS	SHFT		<20		WR	HANDICAPE	
640313	160200.1	USNTS	SHFT		<20	36.901N 116.201W	WR	PIKE	E
640315	075958.2	CPKTS DUNDG		5.6	20-150	49.815N 078.075E		A	
640414	144000.1	USNTS	SHFT		<20	37.150N 115.980W	WR	HOOK	E
640415	143000.1	USNTS	SHFT		<20	37.102N 116.402W	WR	STURGEONE	
640417		USNTS	SHFT		<20		WR	BOGEY	E
640424	201000.1	USNTS	SHFT	5.2	20-200	37.070N 116.110W	WR	TURF	E
640429	204700.0	USNTS	SHFT	4.1	<20	37.040N 116.040W	WR	PIPEFISHE	
640507		USNTS	SHFT		<20		WR	DRIVER	E
640514	144000.1	USNTS	SHFT		<20	36.405N 115.803W	WR	BACKSWINE	
640515	161459.6	USNTS	SHFT		<20	37.100N 116.000W	WR	MINNOW	E
640516	060057.8	CPKTS DUNDG		5.6	20-150	49.807N 078.101E	GR	A	
640611	164501.0	USNTS	SHFT		<20	37.160N 115.901W	PS	ACE	E
640612		USNTS	SHFT		<20		WR	BITTERLIE	
640615	134000.4	FRECK	TUNN		<20	24.067N 005.035E	WR	TOPAZE	N
640618		USNTS	SHFT		<20		WR	DUFFER	E
640625	133000.3	USNTS	SHFT		<20	37.050N 116.070W	WR	FADE	E
640630	133259.8	USNTS	SHFT		<20	37.130N 116.100W	PS	DUB	E
640716	131459.9	USNTS	SHFT		20-200	37.100N 116.070W	WR	BYE	E
640717		GBNTS	SHFT		<20			CORMORANE	
640719	055958.6	CPKTS DUNDG		5.4	<20	49.809N 078.092E	GR	A	
640723		USNTS	SHFT		<20		WR	LINKS	E

640724		USNTS	SHFT		<20			WR	TROGON	E
640819	160001.8	USNTS	SHFT		<20	37.101N	116.001W	WR	ALVA	E
640822	221701.2	USNTS	SHFT		<20	37.004N	116.001W	WR	CANVASBAE	
640827		USNTS	SHFT		<20			WR	PLAYER	E
640828	170601.9	USNTS	SHFT		<20	37.030N	116.030W	WR	HADDOCK	E
640904	181501.8	USNTS	SHFT		<20	36.970N	116.050W	WR	GUANAY	E
640911		USNTS	SHFT		<20			WR	SPOON	E
640918	075957.2	CPNZ	UNDG	4.3		73.200N	054.400E			N
640925		USNTS	SHFT		<20			JOINT US-UK	COURSER	E
641002	200300.6	USNTS	SHFT	4.0	<20	37.070N	116.010W	WR	AUK	E
641009	140002.6	USNTS	SHFT	4.8	38	37.070N	116.130W	PS	PAR	E
641016	155930.5	TURNSTONE						126 NTS03 LANL		
641016	155930.5	USNTSYSS1			<20	37.030N	115.970W	WR	TURNSTONE	
641016	155930.5	TURNSTONE						259 NTS03 LANL		
641016	155930.5	USNTSYSS2			<20	37.030N	115.970W	WR	BARBEL	E
641016	070000.0	PCLNR	TOWR		20					N
641016	2000	#HOOPOE						070 NTS03 LANL		
641016	2000	USNTSYSS1			<20			WR	HOOPOE	E
641022	155959.2	USHTB	SHFT	4.6	5.3	31.280N	089.440W	VU	SALMON	E
641023		USNTS	SHFT		<20			WR	GARDEN	E
641025	075958.3	CPNZ	UNDG	4.9	48	73.390N	053.900E			N
641031	170458.0	USNTS	SHFT		<20	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		<20	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			<20			WR	DRILL-T	E
641216		USNTS	SHFT		<20			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		<20	37.07N	116.04W	WR	WOOL	E
650116	055958.4	CPKTSBUNDG		5.8	100-150	49.935N	079.009E		SA	A
650129		USNTS	SHFT		<20			WR	TERN	E
650204	152959.7	USNTS	SHFT		<20	37.08N	116.10W	WR	CASHMERE	E
650212		USNTS	SHFT		<20			WR	ALPACA	E
650216	173001.6	USNTS	SHFT		10.1	36.99N	116.00W	WR	MERLIN	E
650218	161847.3	USNTS	SHFT		<20	36.72N	115.94W	WE	WISHBONE	E
650219		USNTS	SHFT		<20			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	CPKTSDUNDG		5.5	<20	49.824N	078.052E		GR	A
650320		USNTS	SHFT		<20			WR	SUEDE	E
650326	153410.6	USNTS	SHFT		20-200	37.11N	116.09W	WR	CUP	E
650405	210003.3	USNTS	SHFT		<20	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	<20	36.97N	116.23W	WE	GUM DROPE	
650422		USNTS	SHFT		<20			WR	CHENILLE	E
650423	214400.0	USNTS	SHFT	3.7	<20	37.017N	115.995	WR	MUSCOVY	E
650507	154711.3	USNTS	SHFT		<20	37.14N	116.10W	WE	TEE	E
650511	063957.3	CPKTSDUNDG		4.9	<20	49.770N	077.994E		GR	A
650512	18150.04	USNTS	SHFT		<20	37.2N	116.5W	WR	BUTEO	E
650514	173238.3	USNTS	SHFT		<20	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		<20	37.07N	116.04W	WR	TWEED	E
650530	110000.0	FRECK	TUNN		<20	24.055N	005.051E	WR	JADE	N
650611	194500.4	USNTS	SHFT		1.3	37.00N	116.05W	WR	PETREL	E
650611		USNTS	SHFT		<20			WR	ORGANDY	E

650616	163000.0	USNTS SHFT		<20	36.83N	116.06W	WE		DILUTEDWE
650617		USNTS TUNN		<20			WE		TINY TOTE
650617	034500.0	CPKTS DUNDG	5.2	<20	49.828N	078.066E		GR	A
650716		USNTS SHFT		<20			WR		IZZER E
650722		USNTS SHFT		<20			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	<20	49.779N	077.998E		GR	A
650806	172330.8	USNTS SHFT		<20	37.02N	116.11W	WR		MAUVE E
650821		USNTS SHFT		<20			WR		TICKING E
650827	135113.1	USNTS SHFT		<20	37.08N	116.04W	WR		CENTAUR E
650901	200759.7#MOA					194 NTS03	LANL		
650901	200759.4	USNTSYSS1	4.2	<20	36.99N	115.95W	WR		MOA E
650901	200759.4#SCREAMER*					302 NTS03	LANL		
650901	200759.4	USNTSYSS2	4.2	<20	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	<20	49.811N	078.146E		QP	A
650917	150823.1	USNTS SHFT		<20	37.06N	116.02W	WR		ELKHART E
651001	100000.0	FRECK TUNN		<20	24.065N	005.034E	WR		CORINDN N
651008	060000.4	CPKTS DUNDG	5.4	<20	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		<20	37.03N	116.01W	WR		SEPIA E
651121	045758.2	CPKTS DUNDG	5.6	23	49.860N	078.040E		GR	A
651123		USNTS SHFT		<20			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		<20	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		<20	37.17N	116.02W	WR		MAXWELL E
660118		USNTS SHFT		<20			WR		SIENNA E
660118	183503.3	USNTS SHFT	5.2	20-200	37.10N	116.05W	WR		LAMPBLACE
660121	182759.3	USNTS SHFT		<20	37.03N	115.97W	WR		DOVEKIE E
660122		USNTS SHFT		<20			WR		REO E
660203	181737.1	USNTS SHFT		<20	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		<20	37.15N	116.11W	WE		RED HOT E
660307	184100.5#CINNAMON					120 NTS03	LANL		
660307	184100.5	USNTSYSS1		<20	36.94N	116.13W	WR		CINNAMONE
660307	184100.5#FINFOOT*					196 NTS03	LANL, LLNL		
660307	184100.5	USNTSYSS2		<20	36.94N	116.13W	WE		FINFOOT E
660312	180413.2	USNTS SHFT		<20	37.08N	116.09W	WR		CLYMER E
660318	190002.7	USNTS SHFT		<20	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		<20	37.05N	116.16W	PS		TEMPLAR E
660401	184001.1	USNTS SHFT		<20	37.05N	115.88W	WR		LIME E
660406	135717.1	USNTS SHFT	4.4	<20	37.08N	116.08W	WR		STUTZ E
660407	222730.0	USNTS SHFT		<20	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		<20			WR		FENTON E
660425	183803.3	USNTS SHFT	4.5	<20	36.82N	115.96W	WE		PINSTRPEE
660429		USNTS SHFT		<20			WR		OCHRE E
660504	133219.0	USNTS SHFT		<20	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			Z
660509	080000.0	PCLNR AIRD		200					N

660512	193726.0	USNTS	SHFT	4.3	<20	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		PILEDRIIVE
660603	140002.2	USNTS	SHFT	5.7	20-200	37.03N	116.01W	WR		TAN E
660610	143002.6	USNTS	SHFT		<20	36.98N	116.03W	WR		PUCE E
660615		USNTS	TUNN		<20			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		<20	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		<20	37.3N	116.0W	WR		ROVENA E
660812		USNTS			<20			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	<20	36.84N	115.92W	WE		DERRINGEE
660923	175958.5	USNTS	SHFT		<20	37.13N	116.02W	WR		DAIQUIRIE
660924	170000.0	FRFAN	BARG		150			WRPB		RIGEL N
660929	144532.1	USNTS	SHFT		<20	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		<20			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		<20	37.17N	115.96W	PS		SIMMS E
661111	120000.7	USNTS	SHFT		<20	37.10N	116.00W	WR		AJAX E
661118	150201.7	USNTS	SHFT		<20	37.00N	116.07W	WR		CERISE E
661122		USNTS	SHFT		<20			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	<20	36.82N	115.96W	WE		NEWPOINNE
661213		USNTS	SHFT		<20			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		<20			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		<20			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	<20	37.19N	116.02W	WR		WARD E
670226	035757.3	CPKTS	DUNDG	6.0	61	49.750N	078.125E		QP	A
670302	150000.0	USNTS	SHFT		<20	37.09N	116.02W	WR		RIVET 3 E
670303		USNTS	SHFT		<20			WR		MUSHROOME
670310		USNTS	SHFT		<20			WR		FIZZ E
670325	055758.9	CPKTS	DUNDG	5.3	11	49.780N	078.060E		GR	A
670404		USNTS	SHFT		<20			WR		OAKLAND E
670406		USNTS	SHFT		<20			WR		HEILMAN E
670407	150000.0	USNTS	SHFT		<20	37.054N	116.022W	WR		FAWN E
670420	040757.6	CPKTS	DUNDG	5.5	18	49.731N	078.148E		QP	A
670421	150900.0	USNTS	SHFT		<20	37.017N	116.038W	WR		CHOCOLATE
670427	144500.0	USNTS	SHFT		<20	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		<20			WR		ABSINTHEE
670526	150000.0	USNTS SHFT	5.4	76	37.248N	116.480W	WR		KNICKERBE
670528	040757.7	CPKTS DUNDG	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		<100	20S	140W	WR U		ALTAIR N
670617	001907.9	PCLNR AIRD		3000					N
670622	131000.0	USNTS		<20	37.126N	116.029W	PS		SWITCH E
670626	160000.0	USNTS TUNN	5.1	<20	37.202N	116.208W	WE		MIDI m E
670627	193000.0	FRMUR BALN		<100	20S	140W	WR U		ANTARES N
670629	112500.0	USNTS SHFT	4.6	<20	37.029N	116.023W	WE		UMBER E
670629	025657.8	CPKTS DUNDG	5.3	11	49.870N	078.100E		GR	A
670702	173000.0	FRMUR BALN		<100	20N	140W	WR U		ARCTURUS N
670707	220000	FR ATMO			20N	140W			Z
670714		USNTS SHFT		<20			WR		VITO E
670715	032657.6	CPKTS DUNDG	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	CPKTS DUNDG	5.3	11	49.820N	078.050E		GR	A
670804		USNTS SHFT		<20			WR		GIBSON E
670810	141000.0	USNTS SHFT		<20	37.157N	116.047W	WR		WASHER E
670818	201230.0	USNTS SHFT	4.6	<20	37.012N	116.036W	WR		BORDEAUX E
670824		USNTS SHFT		<20			WR		LEXINGTOE
670831	163000.0	USNTS TUNN	5.0	<20	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		<20			WR		GILROY E
670916	040357.8	CPKTS MUNDG	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	CPKTS MUNDG	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	CPKTS DUNDG	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		<20			WR		COGNAC E
671025		USNTS SHFT		<20			WR		WORTH E
671025	143000.6	USNTS SHFT		<20	37.032N	116.026W	WR		SAZERAC E
671030	060357.9	CPKTS DUNDG	5.3	11	49.810N	078.020E		GR	A
671108	150000.0	USNTS SHFT	5.1	<20	37.092N	116.036W	WR		COBBLER E
671122	040357.6	CPKTS MUNDG	4.8	3.6	49.980N	077.777E		AL	A
671206		USNTS SHFT		<20			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		<20	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		<20			WR		BRUSH E
680126	160000.0	USNTS CRAT		2.3	37.281N	116.514W	PS		CABRIOLEE
680131		USNTS SHFT		<20			WR		MALLET E
680221		USNTS SHFT		<20			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	<20	37.018N	116.021W	WE		DORSLFINE
680305		USNTS SHFT		<20			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		<20	36.872N	115.931W	WE	MILKSHKEE	
680404		USNTS SHFT		<20			WR	BEVEL	E
680410	140000.0	THROW				231	NTS02 LLNL		
680410	140000.0	USNTSYSS1	4.6	<20	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		<20	37.338N	116.376W	VU	SCROLL	E
680424	103557.3	CPKTSDUNDG	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		<20			WR	HATCHET	E
680508		USNTS SHFT		<20			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		<20			WR	ADZE	E
680605		USNTS SHFT		<20			WR	WEMBLEY	E
680606	213000.0	TUB-A				189	NTS10 LLNL		
680606	213000.0	USNTSYSS1		<20	37.167N	116.045W	WR	TUB-A	E
680606	213000.0	TUB-B				189	NTS10 LLNL		
680606	213000.0	USNTSYSS2		<20	37.167N	116.045W	WR	TUB-B	E
680606	213000.0	TUB-C				189	NTS10 LLNL		
680606	213000.0	USNTSYSS3		<20	37.167N	116.045W	WR	TUB-C	E
680606	213000.0	TUB-F				189	NTS10 LLNL		
680606	213000.0	USNTSYSS4		<20	37.167N	116.045W	WR	TUB-F	E
680606	213000.0	TUB-D				273	NTS10 LLNL		
680606	213000.0	USNTSYSS5		<20	37.167N	116.045W	WR	TUB-D	E
680611	030557.7	CPKTSDUNDG	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	CPKTSBUNDG	5.3	13	49.982N	079.003E	SA		A
680625		USNTS SHFT		<20			WR	FUNNEL	E
680625		USNTS SHFT		<20			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		<100	20S	140W	WR U	?	N
680712	120757.5	CPKTSDUNDG	5.3	11	49.766N	078.139E	GR		A
680715	190000.0	FRMUR BALN		450-500	20S	140W	WRUB	?	N
680717		USNTS SHFT		<20			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	?	N
680809		USNTS SHFT		<20			WR	IMP	E
680815		USNTS SHFT		<20			WR	RACK	E
680820	040557.4	CPKTSDUNDG	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		<20	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	CPKTSKUNDG	5.4	14	49.750N	078.150E	GR		A
680906	140000.0	USNTS SHFT	5.8	20-200	37.032N	116.012W	WR	KNIFEA	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	<20	37.205N	116.206W	WE	HUDSONSEE	
680929	034257.4	CPKTSDUNDG	5.8	38	49.813N	078.175E	QP		A
681003		USNTS		<20			WR	WELDER	E
681003	142900.0	USNTS SHFT		<20	37.026N	115.993W	WR	KNIFE C	E
681010		USNTS SHFT		<20			WR	VAT	E
681029		USNTS SHFT		<20			WR	HULA	E
681031		USNTS SHFT		<20			WR	FILE	E
681031		USNTS SHFT		<20			WR	BIT	E
681031	1830	BIT-B				118	NTS03 LANL		
681031	1830	USNTSYSS1		<20			WR	BIT-B	E

681031	1830	BIT-A					148 NTS03 LANL		
681031	1830	USNTSYSS1		<20			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		<20			WR	CREW2ND	E
681104	1516	CREW3RD					360 NTS02 LLNL		
681104	1516	USNTSYSS1		<20			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		<20			WR	AUGER	E
681115	154500.0	USNTS SHFT		<20	37.026N	116.033W	WR	KNIFE B	E
681120	180000.0	USNTS TUNN	4.9	<20	37.010N	116.206W	WE	MINGVASEE	
681122	161900.0	USNTS SHFT		<20	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		<20	37.119N	116.082W	WR	TYG-A	E
681212	151000.1	TYG-B					207 NTS02 LLNL		
681212	151000.1	USNTSYSS2		<20	37.119N	116.082W	WR	TYG-B	E
681212	151000.1	TYG-C					228 NTS02 LLNL		
681212	150000.1	USNTSYSS3		<20	37.119N	116.082W	WR	TYG-C	E
681212	150000.1	TYG-D					228 NTS02 LLNL		
681212	150000.1	USNTSYSS4		<20	37.119N	116.082W	WR	TYG-D	E
681212	150000.1	TYG-E					251 NTS02 LLNL		
681212	150000.1	USNTSYSS5		<20	37.119N	116.082W	WR	TYG-E	E
681212	150000.1	TYG-F					265 NTS02 LLNL		
681212	150000.1	USNTSYSS6		<20	37.119N	116.082W	WR	TYG-F	E
681212		USNTS SHFT		<20			WR	BAY LEAFE	
681212		USNTS SHFT		<20			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	WINE SKINE	
690122		USNTS SHFT		<20			WR	SHAVE	E
690130		USNTS SHFT		<20			WR	BIGGIN	E
690130	150000.0	USNTS SHFT	4.9	20-200	37.053N	116.029W	WR	WISE	E
690204		USNTS SHFT		<20			WR	NIPPER	E
690204		USNTS SHFT		<20			WR	WINCH	E
690212	161820.1	USNTS TUNN		<20	37.169N	116.211W	WE	CYPRESS	E
690307	082657.6	CPKTS DUNDG	5.6	23	49.840N	078.150E	GR		A
690318		USNTS SHFT		<20			WR	VALISE	E
690318		USNTS SHFT		<20			WR	CHATTY	E
690320	181200.0	USNTS SHFT	4.4	<20	37.022N	116.030W	WR	BARSAC	E
690321	143000.0	USNTS SHFT	4.9	<100	37.080N	116.087W	WR	COFFER	E
690424		USNTS SHFT		<20			WR	GOURD	E
690424	130400.2	GOURD-AMBER					181 NTS02 LLNL		
690424	130400.2	USNTSYSS1	3.8	<20	37.002N	116.000W	WR	GOURD-AME	
690424	130400.2	GOURD-BROWN					227 NTS02 LLNL		
690424	130400.2	USNTSYSS2		<20	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		<20			WR	ALIMENT	E
690516	040257.3	CPKTS DUNDG	5.2	9.2	49.780N	078.160E	GR		A
690527		USNTS SHFT		<20			WR	IPECAC	E
690527	1300	IPECAC-A					124 NTS03 LANL		
690527	1300	USNTSYSS1		<20			WR	IPECAC-AE	
690527	1300	IPECAC-B					124 NTS03 LANL		
690527	1300	USNTSYSS2		<20			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	<20	37.053N	116.030W	WR	TAPPER	E
690626		USNTS SHFT		<20			WR	BOWL	E

690626	1500	BOWL-1	4.0				198 NTS02 LLNL		
690626	1500	USNTSYSS1		<20			WR	BOWL-1	E
690626	1500	BOWL-2					198 NTS02 LLNL		
690626	1500	USNTSYSS2		<20			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		<20			WR	SPIDER-AE	
690814	1330	SPIDER-B					229 NTS02 LLNL		
690814	1330	USNTSYSS2		<20			WR	SPIDER-BE	
690827	134500.0	USNTS SHFT		<20	37.021N	116.038W	WR	PLIERS	E
690827		USNTS SHFT		<20			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		<20	36.877N	115.929W	WE	MINUTESTE	
690916	143000.4	USNTS SHFT	6.1	<1000	37.314N	116.461W	WR	JORUM	E
690920		USNTS SHFT		<20			WR	KYACK	E
690920	1330	KYACK-A					186 NTS02 LLNL		
690920	1330	USNTSYSS1		<20			WR	KYACK-A	E
690920	1330	KYACK-B					192 NTS02 LLNL		
690920	1330	USNTSYSS2		<20			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		<20			WR	SEAWEEED	E
691001		USNTS SHFT		<20			WR	SEAWEEED-E	
691001	1330	SEAWEEED-D					118 NTS03 LANL		
691001	1330	USNTSYSS1		<20			WR	SEAWEEED-E	
691001	1330	SEAWEEED-C					119 NTS03 LANL		
691001	1330	USNTSYSS2		<20			WR	SEAWEEED-E	
691001	1330	SEAWEEED-E					125 NTS03 LANL		
691001	1330	USNTSYSS3		<20			WR	SEAWEEED-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		<20	37.141N	116.142W	WR	POD-B	E
691029	200000.0	POD-A					248 NTS02 LLNL		
691029	200000.0	USNTSYSS2		<20	37.141N	116.142W	WR	POD-A	E
691029	200000.0	POD-D					267 NTS02 LLNL		
691029	200000.0	USNTSYSS3		<20	37.141N	116.142W	WR	POD-D	E
691029	200000.0	POD-C					312 NTS02 LLNL		
691029	200000.0	USNTSYSS4		<20	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	<20	37.17N	116.09W	WR	SCUTTLE	E
691121		USNTS SHFT		<20			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	<20	37.180N	116.211W	WE	DIESLTRAE	
691206	070257.5	CP UNDG	5.8	70	43.790N	054.750E			N
691210		USNTS SHFT		<20			WR	CULANTROE	
691210	150000.0	CULANTRO-A					134 NTS03 LANL		
691210	150000.0	USNTSYSS1		<20			WR	CULANTROE	
691210	150000.0	CULANTRO-B					149 NTS03 LANL		
691210	150000.0	USNTSYSS2		<20			WR	CULANTROE	

691210		USNTS SHFT		<20		WR	TUN	E
691210	153003.7	TUN-B			194	NTS10 LLNL		
691210	153003.7	USNTSYSS1		<20		WR	TUN-B	E
691210	153003.7	TUN-C			194	NTS10 LLNL		
691210	153003.7	USNTSYSS2		<20		WR	TUN-C	E
691210	153003.7	TUN-A			200	NTS10 LLNL		
691210	153003.7	USNTSYSS3		<20		WR	TUN-A	E
691210	153003.7	TUN-D			256	NTS10 LLNL		
691210	153003.7	USNTSYSS4		<20		WR	TUN-D	E
691217	150000.0	USNTS SHFT	5.4	20-200	37.084N	116.002W	WR	GRAPE A E
691217		USNTS SHFT		<20		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		<20	37.137N	116.037W	WR	FOB-BLUEE
700123	163000.2	FOB-RED				245	NTS09 LLNL	
700123	163000.2	USNTSYSS2		<20	37.137N	116.037W	WR	FOB-RED E
700123	163000.2	FOB-GREEN				267	NTS09 LLNL	
700123	163000.2	USNTSYSS3		<20	37.137N	116.037W	WR	FOB-GREEE
700129	070257.5	CPKTSDUNDG	5.5	18	49.813N	078.185E	PO	A
700130		USNTS SHFT		<20		WR	AJO	E
700204		USNTS SHFT		<20		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	<20	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		<20	37.140N	116.037W	WR	ARABIS-BE
700306	150000.2	ARABIS-RED				250	NTS09 LLNL	
700306	150000.2	USNTSYSS2		<20	37.140N	116.037W	WR	ARABIS-RE
700306	150000.2	ARABIS-GREEN				250	NTS09 LLNL	
700306	150000.2	USNTSYSS3		<20	37.140N	116.037W	WR	ARABIS-GE
700319	140330.4	USNTS SHFT		<20	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	<20	37.055N	115.988W	WE	SNUBBER E
700421	150000.4	CAN-GREEN				274	NTS02 LLNL	
700421	150000.4	USNTSYSS1	4.6	<20	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		<20	37.059N	116.028W	WR	BEEBALM E
700501	144000.2	USNTSYSS1	4.3	<20	37.133N	116.034W	WR	HOD-B (REE
700501	144000.2	HOD-A (GREEN)				265	NTS09 LLNL	
700501	144000.2	USNTSYSS2	4.3	<20	37.133N	116.034W	WR	HOD-A (GRE
700505	153000.2	USNTS TUNN	5.0	<20	37.211N	116.184W	WE	MINTLEAFE
700512	140000.4	USNTS TUNN		<20	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		<20	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			<20			PS	FLASK-REE	
700526	140000.0	FLASK-YELLOW					335	NTS02 LLNL		
700526	140000.0	USNTSYSS2			<20			PS	FLASK-YEE	
700526	140000.0	FLASK-GREEN					529	NTS02 LLNL		
700526	140000.0	USNTSYSS3			105			PS	FLASK-GRE	
700526	141600.2	USNTS	TUNN		<20	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		<20			WR	PITON	A E
700528		USNTS	SHFT		<20			WR	PITON	E
700528	110000.0	PITON-B					230	NTS09 LLNL		
700528	110000.0	USNTSYSS1			<20			WR	PITON-B	E
700528	110000.0	PITON-A					236	NTS09 LLNL		
700528	110000.0	USNTSYSS2			<20			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	>1000	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			<20			WR	ARNICA-VE	
700626	120000.0	ARNICA-YELLOW					309	NTS02 LLNL		
700626	120000.0	USNTSYSS2			<20			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		<20			WR	SCREE	E
701013	140500.0	SCREE-ALHAMBRA					101	NTS09 LLNL		
701013	140500.0	USNTSYSS1			<20			WR	SCREE-ALE	
701013	140500.0	SCREE-CHAMMOIS					192	NTS09 LLNL		
701013	140500.0	USNTSYSS2			<20			WR	SCREE-CHE	
701013	140500.0	SCREE-ACAJOU					249	NTS09 LLNL		
701013	140500.0	USNTSYSS3			<20			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		<20			WR	TRUCHAS	E
701028	143000.0	TRUCHAS-CHAMISAL					118	NTS03 LANL		
701028	143000.0	USNTSYSS1			<20			WR	TRUCHAS-E	
701028	143000.0	TRUCHAS-CHACON					119	NTS03 LANL		
701028	143000.0	USNTSYSS2			<20			WR	TRUCHAS-E	
701028	143000.0	TRUCHAS-RODARTE					266	NTS03 LANL		
701028	143000.0	USNTSYSS3			<20			WR	TRUCHAS-E	
701104	060257.2	CPKTS	MUNDG	5.4	14	50.007N	077.798E	PO		A
701105	150000.0	USNTS	SHFT	4.9	20-200	37.029N	116.012W	WR	ABEYTAS	E
701119		USNTS	SHFT		<20			WR	PENASCO	E
701203	150700.0	CORAZON					241	NTS03 LANL		
701203	150700.0	USNTSYSS1	3.1		<20			WR	CORAZON	E
701203	150700.0	CARRIZOZO					279	NTS03 LANL		

701203	150700.0	USNTSYSS2	3.1	<20		WR		CARRIZOZE
701212	070057.4	CP	UNDG	6.0	113	43.870N	054.780E	N
701216		USNTS	SHFT		<20		WR	CANJILONE
701216	160000.9	USNTS	SHFT	5.2	20-200	37.100N	116.008W	WR
701216	160000.2	AVENS-CREAM					293 NTS09	LLNL
701216	160000.2	USNTSYSS1	5.1	<20	37.143N	116.034W	WR	AVENS-CRE
701216	160000.2	AVENS-ASAMLTE					306 NTS09	LLNL
701216	160000.2	USNTSYSS2	5.1	<20	37.143N	116.034W	WR	AVENS-ASE
701216	160000.2	AVENS-ANDORRE					311 NTS09	LLNL
701216	160000.2	USNTSYSS3	5.1	<20	37.143N	116.034W	WR	AVENS-ANE
701216	160000.2	AVENS-ALKERMES					380 NTS09	LLNL
701216	160000.2	USNTSYSS4	5.1	<20	37.143N	116.034W	WR	AVENS-ALE
701217	160500.2	USNTS	SHFT	5.8	220	37.129N	116.083W	WR
701217	070057.7	CPKTS	DUNDG	5.4	14	49.730N	078.170E	GR
701218	153000.2	USNTS	SHFT	5.1	10	37.173N	116.099W	WR
701223	070057.3	CP	UNDG	6.0	113	43.810N	054.820E	
710322	043257.8	CPKTS	DUNDG	5.7	30	49.791N	078.142E	GR
710323	065956.4	CP	UNDG	5.5	45	61.390N	056.220E	
710425	033257.5	CPKTS	DUNDG	5.9	53	49.774N	078.074E	GR
710429	190000.0	USNTS	SHFT		20-200	37.12N	116.33W	WR
710525	040258.0	CPKTS	DUNDG	5.0	6.0	49.815N	078.197E	GR
710605	191500.0	FRMUR	ATMO		15	20S	140W	WR
710606	040257.2	CPKTS	MUNDG	5.4	17	49.988N	077.720E	AL
710612	191500.0	FRMUR	ATMO		450-500	23.8S	137.2W	WR
710616	145000.0	USNTS	SHFT	4.1	<20	37.03N	116.02W	WR
710619	040357.7	CPKTS	MUNDG	5.4	15	49.992N	077.705E	PO
710623		USNTS	SHFT		<20		WR	
710623	153000.0	USNTS	SHFT		20-200	37.02N	116.02W	WR
710624	140000.0	USNTS	SHFT	4.9	20-200	37.15N	116.07W	WR
710629	182957.3	USNTS	TUNN	4.9	<20	36.6N	115.8W	WE
710630	035657.3	CPKTS	BUNDG	5.2	11	49.949N	078.986E	CO
710701	140000.0	USNTS	TUNN		<20	37.01N	116.20W	VU
710702	170001.9	CP	UNDG	4.7	5.2	67.660N	062.000E	
710704	213000.0	FRMUR	ATMO		<100	20S	140W	WR
710708	140000.1	USNTS	SHFT	5.5	83	37.11N	116.05W	PS
710709		USNTS	SHFT		<20		WR	
710710	165959.6	CP	UNDG	5.2	17	64.200N	054.770E	
710721		USNTS	SHFT		<20		WR	
710804		USNTS	SHFT		<20		WR	
710805		USNTS	SHFT		<20		WR	
710805	170700.0	NAMA-MEPHISTO					244 NTS09	LLNL
710805	170700.0	USNTSYSS1		<20			WR	
710805	170700.0	NAMA-AMARYLIS					273 NTS09	LLNL
710805	170700.0	USNTSYSS2		<20			WR	
710806		USNTS	SHFT		<20		WR	
710808	183000.0	FRMUR	ATMO		<100	20S	140W	WR
710814	185959.2	FR	BALN	4.7	1000	21.880S	139.000W	WR
710818	140000.0	USNTS	SHFT	5.4	20-200	37.1N	116.0W	WR
710919	110006.8	CP	UNDG	4.5	3.3	57.760N	041.440E	
710922		USNTS	SHFT		<20		WR	
710922	130000.0	FRIJOLES-ESPUELA					149 NTS03	LANL
710922	130000.0	USNTSYSS1		<20			WR	
710922	130000.0	FRIJOLES-DEMING					150 NTS03	LANL
710922	130000.0	USNTSYSS2		<20			WR	
710922	130000.0	FRIJOLES-PETACA					226 NTS03	LANL
710922	130000.0	USNTSYSS3		<20			WR	
710922	130000.0	FRIJOLES-GUAJE					257 NTS03	LANL
710922	130000.0	USNTSYSS4		<20			WR	
710927	060257.4	CPNZ	UNDG	6.4	586	73.390N	054.910E	
710929	140000.0	USNTS	SHFT		<20	37.01N	116.01W	WR
710929		USNTS	SHFT		<20		WR	
711004	100002.0	CP	UNDG	4.6	4.1	61.610N	047.220E	
711008	143000.2	USNTS	SHFT		<20	37.12N	116.03W	WR

711009	060257.4	CPKTSMUNDG	5.3	12	49.996N	077.653E	AL		N
711014		USNTS SHFT		<20			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		<5000			WR 2	CANNIKN	EN
711118	060000.0	PCLNR ATMO		20					N
711124	201500.2	USNTS SHFT		<20	36.7N	116.9W	WE	DIAGONALE	
711129	060257.5	CPKTS DUNDG	5.4	16	49.758N	078.132E	GR		A
711130		USNTS SHFT		<20			WR	PARNASSIE	
711214		USNTS SHFT		<20			WR	HOSPAH	E
711214		USNTS SHFT		<20			WR	YERBA	E
711214	210957.7	USNTS SHFT		20-200	37.01N	116.06W	WR	CHAENACTE	
711215	075258.9	CPKTS DUNDG	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	CPKTS DUNDG	5.7	36	49.772N	078.093E	GR		A
720101	070000.0	PCLNR ATMO		<20					N
(above may be 720107)									
720105		USNTS SHFT		<20			WR	MESCALERE	
720203		USNTS SHFT		<20			WR	COWLES	E
720210	050257.5	CPKTS BUNDG	5.3	13	50.014N	078.878E	AL		A
720217		USNTS SHFT		<20			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		<20			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	<20	37.0N	116.0W	WR	OCATE	E
720330	210001.2	ONAJA				279 NTS03	LANL		
720330	210001.2	USNTSYSS2	4.6	<20	37.0N	116.0W	WR	ONAJA	E
720411	060002.9	CP UNDG	4.9	8.4	37.360N	062.070E			N
720419		USNTS SHFT		<20			WR	JICARILLE	
720419	163200.0	USNTS SHFT		<20	37.12N	116.08W	WR	LONGCHAME	
720502	191501.8	USNTS TUNN	5.0	<20	37.2N	116.2W	WE	y NORTH	E
720510	120000.0	USNTS SH?			37.01N	116.20W		MINEDUSTI	
720511		USNTS SHFT		<20			WR	KARA	E
720517	141000.2	USNTS SHFT		<20	37.12N	116.09W	WR	ZINNIA	E
720519	170000.0	USNTS SHFT		<20	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		<20			WR	MERIDA	E
720625		FRMUR ATMO		LOW	20S	140W	WR		N
720628		USNTS SHFT		<20			WR	CAPITAN	E
720628		USNTS SHFT		<20			WR	HAPLOPAPE	
720628		USNTS SHFT		<20			WR	TAJIQUE	E
720630		FRMUR ATMO		LOW	20S	140W	WR		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	<20	37.22N	116.18W	WE	d SKULLSE	
720725		USNTS SHFT		<20			WR	ATARQUE	E
720729		FRMUR ATMO		LOW	20S	140W	WR		N
720809	123100.0	SOLANO				134 NTS03	LANL		
720809	123100.0	USNTSYSS1		<20			WR	SOLANO	E
720809	123100.0	CUCHILLO				199 NTS03	LANL		
720809	123100.0	USNTSYSS2		<20			WR	CUCHILLOE	
720809	123100.0	CEBOLLA				287 NTS03	LANL		
720809	123100.0	USNTSYSS3		<20			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	CPKTSMUNDG	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	CPKTSMUNDG	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	CPKTSBUNDG	6.1	126	49.923N	078.815E	AL		A
721109		USNTS SHFT		<20			WR	AKBAR	E
721109		USNTS SHFT		<20			WR	ARSENATEE	
721117		USNTS SHFT		<20			WR	CANNA	E
721117	180000.0	CANNA-UMBRINUS				183 NTS09	LLNL		
721117	180000.0	USNTSYSS1		<20			WR	CANNA-UME	
721117	180000.0	CANNA-LIMOGES				213 NTS09	LLNL		
721117	180000.0	USNTSYSS1		<20			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	CPKTSDUNDG	5.6	23	49.837N	078.102E	GR		A
721210	042707.3	CPKTSBUNDG	5.9	59	50.001N	078.973E	TS		A
721212		USNTS SHFT		<20			WR	TULOSO	E
721214		USNTS SHFT		<20			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		<20			WE	FLAX-BACE	
721228	042700.0	CPKTSDUNDG	4.9	.39	51.700N	077.200E	QP		A
730214		USNTS SHFT		<20			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		<20			WR	GAZOOK	E
730405		USNTS SHFT		<20			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	<20	37.00N	116.03W	WR	VELARDE	E
730425	222500.0	ANGUS				453 NTS03	LANL		
730425	222500.0	USNTSYSS2	4.7	<20	37.00N	116.03W	WR	ANGUS	E
730426		USNTS SHFT		<20			WR	COLMOR	E
730426	171500.2	USNTS SHFT	5.6	90	37.12N	116.06W	WR	STARWORTE	
730509		USNTS SHFT		<20			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		<20			WR	CABRESTOE	
730524		USNTS SHFT		<20			WR	KASHAN	E
730605	170000.2	USNTS TUNN	5.1	<20	37.18N	116.21W	WE	DIDOQUEEE	
730606	130000.0	USNTS SHFT	6.5	200-1000	37.25N	116.35W	WR	ALMENDROE	
730621		USNTS SHFT		<20			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		<20			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		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		<20			WR	POLYGONUE
731002		USNTS	SHFT		<20			WR	WALLER E
731012	170000.8	USNTS	TUNN	4.8	<20	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	<20	36.9N	116.0W	WR	BERNAL E
731212		USNTS	SHFT		<20			WR	PAJARA E
731213		USNTS	SHFT		<20			WR	SEAFOAM E
731214	074657.1	CPKTS	UNDG	5.8	38	50.044N	078.987E		N
731219		USNTS	SHFT		<20			WR	ELIDA E
731219		USNTS	SHFT		<20			WR	SPAR E
740110		USNTS	SHFT		<20			WR	PINEDROPE
740110	143000.0	PINEDROPS-SLOAT					213 NTS10	LLNL	
740110	143000.0	USNTSYSS1			<20			WR	PINEDROPE
740110	143000.0	PINEDROPS-TAWNY					282 NTS10	LLNL	
740110	143000.0	YSNTSYSS1			<20			WR	PINEDROPE
740110	143000.0	PINEDROPS-BAYOU					343 NTS10	LLNL	
740110	143000.0	USNTSYSS1			<20			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		<20			WR	HULSEA E
740412		USNTS	SHFT		<20			WR	SAPELLO E
740416	055257.4	CPKTS	UNDG	4.4	1.5	50.041N	078.943E		N
740423		USNTS	SHFT		<20			WR	PORTREROE
740501		USNTS	SHFT		<20			WR	PLOMO E
740508		USNTS	SHFT		<20			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		<20			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		<20			WR	JARA E
740616		FRMUR	BALN		20	20S	140W	WR	N
740617	055949.0	PCLNR	ATMO		200-1000				N
740619	155959.0	USNTS	TUNN	5.0	<20	37.2N	116.2W	WE	MINGBLAE
740625	035657.7	CPKTS	UNDG	4.5	1.8	49.840N	078.166E		N
740707		FRMUR	BALN		150	20S	140W	WR	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	N
740718	130000.0	CRESTLAKE-TANSAN					272 NTS02	LLNL	
740718	130000.0	USNTSYSS1			<20			WR	CRESTLAKE
740718	130000.0	CRESTLAKE-BRIAR					374 NTS02	LLNL	
740718	130000.0	USNTSYSS1			<20			WR	CRESTLAKE
740718		USNTS	SHFT		<20			WR	CRESTTLAE
740726		FRMUR	AIRD			20S	140W	WR	N
740729		FRMUR	ATMO		HIGH			WR	N
740814	140000.1	USNTS	SHFT	4.6	<20	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		<20			WR	PRATT E
740926	USNTS	SHFT		<20			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		<20			WR	ESTACA E
741028	USNTS	TUNN		<20			WE	HYBLAFAIE
741102	045956.8	CPNZ	UNDG	6.7	2099	70.810N	053.910E	N
741102	USNTS	SHFT		<20			WR	TEMESCALE
741126	USNTS	SHFT		<20			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		<20			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	<20	37.05N	116.00W	WR	PORTOLA E
750206	153000.0	PORTOLA-LARKIN					274 NTS10	LLNL
750206	153000.0	USNTSYSS1	3.5	<20	37.05N	116.00W	WR	PORTOLA-E
750206	USNTS	SHFT		<20			WR	TELEME E
750219	USNTS	SHFT		<20			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	<20	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		<20			WR	ALVISO E
750618	USNTS	SHFT		<20			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	<20	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	<20	37.22N	116.18W	WE HUSKYPUE
751026	005959.0	PCLNR	UNDG		<20			N
751027	010003.5	PCLNR		5.0	<10	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		<20			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	<20	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		<20			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	<20	37.2N	116.2W	WE	MIGHTYEPE	
760519	025657.8	CPKTS	UNDG	4.8	3.7	49.796N	078.058E			N
760520		USNTS	SHFT		<20			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		<20			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	OKA					1522			N
761105	035956.8	CPYAK	UNDG	5.3	11	61.52N	112.73E	PNE	OKA	ISC
761110		USNTS	SHFT		<20			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		<20	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	<20	37.08N	116.00W	WR	REDMUD	E
761208		FRMUR	SHFT			20S	140W	WR		N
761221		USNTS	SHFT		<20			WR	SUTTER	E
761221	150900.2	USNTS	SHFT		<20	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			<20			WR	OARLOCK	E
770216	175300.0	COVE					335	NTS03 LLNL		
770216	175300.0	USNTSYSS2			<20			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			<20			WR	DOFINO	E
770308	142400.0	DOFINO-LAWTON					282	NTS10 LLNL		
770308	142400.0	USNTSYSS1			<20			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		<20			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		<20			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			<20			WR	GRUYERE-E
770816	134100.0	GRUYERE					320 NTS09	LLNL	
770816	134100.0	USNTSYSS1			<20			WR	GRUYERE E
770816		USNTS	SHFT		<20			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		<20			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	<20	37.0N	116.0W	WR	EBBTIDE E
770917	070000.0	PCLNR	ATMO		<20				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	<20	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	<20	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	<20	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		<20			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	<20	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	<1	22S	139W	WR	N
780315	050000.0	PCLNR	ATMO		<20				N
780316		USNTS	SHFT		<20			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		<20			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		<20			WR	ASCO E
780529	045657.4	CPKTS	UNDG	4.6	2.6	49.772N	078.141E		N
780601		USNTS	SHFT		<20			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		<20			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	<20	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			<20			WR	CREMINO	E
780927	153000.0	CREMINO-CAERPHILLY					420	NTS08 LLNL		
780927	153000.0	USNTSYSS1			<20			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	<20	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	<20	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		<20			WR	CONCENTRE	
781214		PCLNR	ATMO		<20					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	<20	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	<20	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		<20			WR	FREEZEUE	
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		N
790620		USNTS	SHFT		<20		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		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		N
790728	195558.7	FR	SHFT	4.7	15	21.808S	138.808W		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			NESSEL	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		<20		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	??	*
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			CHRYSOLEZ	
791122	191420.0	FRMUR	SHFT	4.7	4	22S	139W	WR	N
791129		USNTS	SHFT		<20		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		<20		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		<20		WR	TARKO	E
800303	175600.0	FRMUR	SHFT	5.1	10			WR	N
800308		USNTS	SHFT		<20		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		<20		WR	CANFIELDE	
800522		USNTS	SHFT		<20		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		<20			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		<20			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		<20			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		<20				DUTCHESSE	
801031		USNTS	TUNN		<20			WE	MINERSIRE	
801101	125958.0	CP	UNDG	5.2	17	60.790N	097.570E			N
801114		USNTS	SHFT		<20			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		<20			WR	CLAIRETTE	
810225		USNTS	SHFT		<20			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		<20			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		<20			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		<20			WR	NIZA	E
810711	171700.0	FRMUR	SHFT	5.0	8			WR		N
810716		USNTS	SHFT		<20			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		<20			WR	HAVARTI	E
810814	022712.8	CPKTS	UNDG	4.9	5.6	49.791N	078.121E			N
810827		USNTS	SHFT		<20			WR	ISLAY	E
810902	040003.9	CP	UNDG	4.4	2.6	60.590N	055.700E			N
810904		USNTS	SHFT		<20			WR	TREBBIANE	
810913	021718.2	CPKTS	UNDG	6.0	71	49.910N	078.915E			N
810924		USNTS	SHFT		<20			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		<20			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				DEIPHOBEZ
820320	170257.8	FR	SHFT	5.2	15	21.996S	138.941W	WR	N
820323	170700	FR			0-5				EVENOS Z
820417		USNTS	SHFT		<20			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		<20			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		<20			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		<20			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		<20			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		<20			WE	HURONLANE
820923		USNTS	TUNN		<20			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		<150			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		<20			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		<20			WR	COALORA	E
830217		USNTS	SHFT		<20			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		<150			WR	TURQUOISE	N
830419	185258.4	FR	SHFT	5.5	40	21.847S	138.906W	WR		N
830422		GBNTS	SHFT		<20				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		<20			WR	CROWDIE	E
830525	173058.2	FR	SHFT	5.6	40	21.895S	138.918W	WR		N
830526		USNTS	TUNN		<20			WE	MINIJADEE	N
830526		USNTS	SHFT		<20			WR	FAHADA	E
830530	033344.8	CPKTS	UNDG	5.5	18	49.740N	078.190E			N
830609		USNTS	SHFT		<20			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		<20			WR	LABAN	E
830804	171358.2	FR	SHFT	5.0	8	21.835S	138.922W	WR		N
830811		USNTS	SHFT		<20			WR	SABADO	E
830818	160958.6	CPNZ	UNDG	5.9	89	73.380N	054.870E			N
830827		USNTS	SHFT		<20			WR	JARLSBERE	N
830901		USNTS	SHFT		20-150			WR	CHANCELE	N
830911	063310.5	CPKTS	UNDG	4.9	4.5	49.890N	078.210E			N
830921		USNTS	TUNN		<20			WE	TOMIZEPHE	N
830921	152500.0	BRANCO					293 NTS02	LLNL		N
830921	152500.0	USNTSYSS1			<20			WR	BRANCO	E
830921	152500.0	BRANCO-HERKIMER					427 NTS02	LLNL		N
830921	152500.0	USNTSYSS1			<20			WR	BRANCO-HE	N
830921	162459.7	USNTS				37.113N	116.043W		**	N
830922		USNTS	SHFT		<150			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		<20			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			<20			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			<20			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			<20			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			<20			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	N
840516		USNTS	SHFT			<20			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			<20			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			<20			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			<20			WR	WEXFORD E
840830		USNTS	SHFT			<20			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			<20			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			<20			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		<20			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		<20			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		<20			WR	VILLE	E
850615	005700.7	CPKTS	UNDG	6.0	61	49.890N	078.880E			N
850626		USNTS	SHFT		<20			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		<20			WR	CABRERO	E
850817		USNTS	SHFT		<20			WR	CHAMITA	E
850927		USNTS	SHFT		<20			WR	PONIL	E
851009		USNTS	TUNN		<20			WE	MILLYRRDE	
851009		USNTS	TUNN		<20			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		<20			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		<20			WE	MIGHTYOAE	
860420	231229.9	USNTS	SHFT		<20			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		<20			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		<20			WR	GALVESTOE	
860724		USNTS	SHFT		<20			WR	CORNUCOPE	
860911		USNTS	SHFT		<20			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			<20			WR	HAZEBROOE	
870203	152000.0	HAZEBROOK-CHECKERBERRY (RED)					226	NTS10 LLNL		
870203	152000.0	USNTSYSS1			<20			WR	HAZEBROOE	
870203	152000.0	HAZEBROOK-APRICOT (ORANGE)					262	NTS10 LLNL		
870203	152000.0	USNTSYSS1			<20			WR	HAZEBROOE	
870211		USNTS	SHFT		<20			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		<20			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		<20			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		<20			WR	BRIE	E
870620		USNTS	TUNN		<20			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		<20			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		<20			WR	WACO	E
871202		USNTS	TUNN		<20			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		<20			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		<150			WR	SCHELLBOE
880521		USNTS	SHFT		<150			WR	LAREDO E
880525	170058.0	FR	SHFT	5.8	80	21.899S	139.027W	WR	N
880602		USNTS	SHFT		<150			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		<150			WR	RHYOLITEE
880622		USNTS	SHFT		<150			SF	NIGHTINGE
880623	173058.5	FR	SHFT	5.4	30	21.928S	139.042W	WR	N
880707		USNTS	SHFT		<150			WR	ALAMO E
880817		USNTS	SHFT		<150			WR	KEARSGEE
880822	161958.5	CP	UNDG	5.3		66.310N	078.520E		I
880823		USNTS	SHFT		<20			WR	HARLINGEE
880823	173000.0	HARLINGEN-A					290 NTS06	LANL	
880823	173000.0	USNTSYSS1			<20			WR	HARLINGEN
880823	173000.0	HARLINGEN-B					290 NTS06	LANL	
880823	173000.0	USNTSYSS2			<20			WR	HARLINGEN
880830		USNTS	SHFT		<150			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		<150			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		<20			WR	MONAHANSE
881109	201500.0	MONAHANS-A					290 NTS03	LANL	
881109	201500.0	USNTSYSS1			<20			WR	MONAHANSN
881109	201500.0	MONAHANS-B					290 NTS06	LANL	
881109	201500.0	USNTSYSS2			<20			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		<20			WR	KAWICH AE
881209	151500.0	KAWICH A-WHITE					369 NTS08	LLNL	
881209	151500.0	USNTSYSS1			<20			WR	KAWICH AE
881209	151500.0	KAWICH A-BLUE					384 NTS08	LLNL	
881209	151500.0	USNTSYSS1			<20			WR	KAWICH AE
881210		USNTS	TUNN		<150			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			<20			WR	KAWICH-RE
890224	161500.0	KAWICH-BLACK					431 NTS02	LLNL	
890224	161500.0	USNTSYSS1			<20			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			<20			WR	PALISADEE
890515	121000.0	PALISADE-2					392 NTS04	LLNL	
890515	121000.0	USNTSYSS1			<20			WR	PALISADEE
890515	121000.0	PALISADE-3					404 NTS04	LLNL	
890515	121000.0	USNTSYSS1			<20			WR	PALISADEE
890520	175900	FR		4.1	0-10				Z

890526		USNTS	SHFT		<20			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		<20			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		<20			WR	MULESHOE	E
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			<20			WR	WHITEFACE	
891220	220000.0	WHITEFACE-A					197 NTS03	LANL		
891220	220000.0	USNTSYSS1			<20			WR	WHITEFACE	
900310		USNTS	SHFT		20-150			WR	METROPOLE	
900406		USNTS	SHFT		<20			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		<20			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			<20			WR	MINERALQE	
900725	170000.0	RANDBURG					389 NTS12	LANL, DOD		
900725	170000.0	USNTSRTUN1			<20			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			<20			WR	SUNDOWN-E	
900920	161500.0	SUNDOWN-A					270 NTS01	LANL		
900920	161500.0	USNTSYSS1			<20			WR	SUNDOWN-E	
900927		USNTS	SHFT		<20			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			<20			WR	COSO-BROE	
910308	210200.0	COSO-GRAY					442 NTS04	LLNL		
910308	210200.0	USNTSYSS1			<20			WR	COSO-GRAE	
910308	210200.0	COSO-SILVER					475 NTS04	LLNL		
910308	210200.0	USNTSYSS1			<20			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		<20			WR	FLOYDADAE	
910914		USNTS	SHFT		20-150			WR	HOYA	E
910919		USNTS	TUNN		<20			WE	DISTANTZE	
911018		USNTS	SHFT		20-150			WR	LUBBOCK	E

911126	GBNTS	SHFT		<20				BRISTOL E
920326	USNTS	SHFT		20-150			WR	JUNCTIONE
920430	USNTS	TUNN		<20			WE	dFORTUNEE
920521	045957.4	PCLNR	UNDG 6.6	700-1800	41.583N	088.880E		N
920619	USNTS	SHFT		<20			WR	VICTORIAE
920623	140000.0	GALENA-YELLOW				290 NTS04	LLNL	
920623	140000.0	USNTSYSS1		<20			WR	GALENA-YE
920623	140000.0	GALENA-ORANGE				380 NTS09	LLNL	
920623	140000.0	USNTSYSS1		<20			WR	GALENA-OE
920623	140000.0	GALENA-GREEN				400 NTS09	LLNL	
920623	140000.0	USNTSYSS1		<20			WR	GALENA-GE
920918	170000.0	USNTS	TUNN 4.4	<20	37.207N	116.210W	WE	HUNTERSTE
920923	USNTS	SHFT		<20			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		SHATKI3 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		SHATLI5 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

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

NOTE: 920521 PRC test coordinates were grossly in error- near south pole. They were corrected 931006.

The only known nuclear explosion in 1993 was incorrectly dated 921005. Correction made 1994 APR02.

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