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**Global Positioning System Measurements on the Island
of Hawaii: 1993 through 1996**

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Introduction

Global Positioning System (GPS) measurements on the island of Hawaii began in 1987 and have proven to be a very effective tool in monitoring ground deformation associated with volcanic and volcano-tectonic activity (e.g. Dvorak, 1994; Owen et al., 1995). Sources of deformation on Hawaii include the magma chambers beneath the summits of Kilauea and Mauna Loa, the magma systems in their rift zones, and slip along detachment faults beneath the southern flanks of both volcanoes. From 1993 through 1996, Kilauea Volcano erupted almost continuously on the east rift zone from various vents in the Pu'u 'O'o area (Figure 1), continuing the eruption that began in January of 1983. There were, however, numerous pauses in eruptive activity. Most of these lasted only one to two days, but several longer pauses occurred in 1993 and 1996. The 1993 pause followed an upper east rift zone earthquake swarm on February 7 and continued until lava erupted from a new vent on the side of Pu'u 'O'o cone on February 20 (Heliker et al., in press). A summit intrusion on February 1, 1996, preceded a surge in supply to the eruption site, followed by a 10-day pause in eruptive activity. Another substantial pause started on May 30 and lasted until June 4, 1996 (Thorner et al., 1996).

Mauna Loa volcano, which last erupted in 1984, remained quiescent. Only one earthquake of magnitude greater than 5 was recorded on the island during this reporting period. This was a M5.2 earthquake on February 1, 1994, that originated at about 32 km beneath the south flank of Kilauea.

GPS at the Hawaiian Volcano Observatory (HVO)

Equipment

HVO acquired six Trimble SSE receivers in 1993, and Stanford University has nine Trimble SSE and SSI receivers. Both HVO and Stanford instruments are used in a once-yearly extensive survey on Kilauea Volcano. In the summer of 1993, two UNAVCO Ashtec MXII's were also employed. In 1996, Stanford purchased additional Trimble SSI receivers for the continuous GPS network. Table 1 lists receiver and antenna types for each of the instruments.

Survey Strategy

Three surveying methods were implemented from 1993 through 1996: static, campaign-style surveys; rapid-static surveys; and continuously operating sites. The bulk of the data documented here was collected with static surveying methods, in which the GPS instrument is set up over a benchmark and records data every 30 seconds for 8 to 24 hours. At remote, secure locations, such as those accessible only by helicopter, GPS instruments are usually left on-site to record data over several days. In 1995, we established several rapid-static networks. In rapid-static surveying, receivers are set up at one or two sites to run for the duration of the survey, while other receivers occupy sites within about 15 km of the stationary receivers and collect data every 15 seconds for about 20 minutes at each site. This method allows just a few instruments and personnel to survey a relatively dense, small network in one day. In a collaborative effort in 1996, HVO and Stanford University began installing continuously recording GPS instruments on Kilauea Volcano. At these sites, GPS antennas are mounted on threaded stainless steel rods set into bedrock (except station UWEV, which is set into the top of a cement vault) and surrounded by an 8-inch diameter PVC pipe filled with

cement. These sites collect data every 30 seconds into 24-hour data files, which are transmitted daily to the observatory via radio modem. We collected data from satellites orbiting higher than 10 degrees above the horizon until October 1996, when we decreased the cut-off elevation angle to 5 degrees.

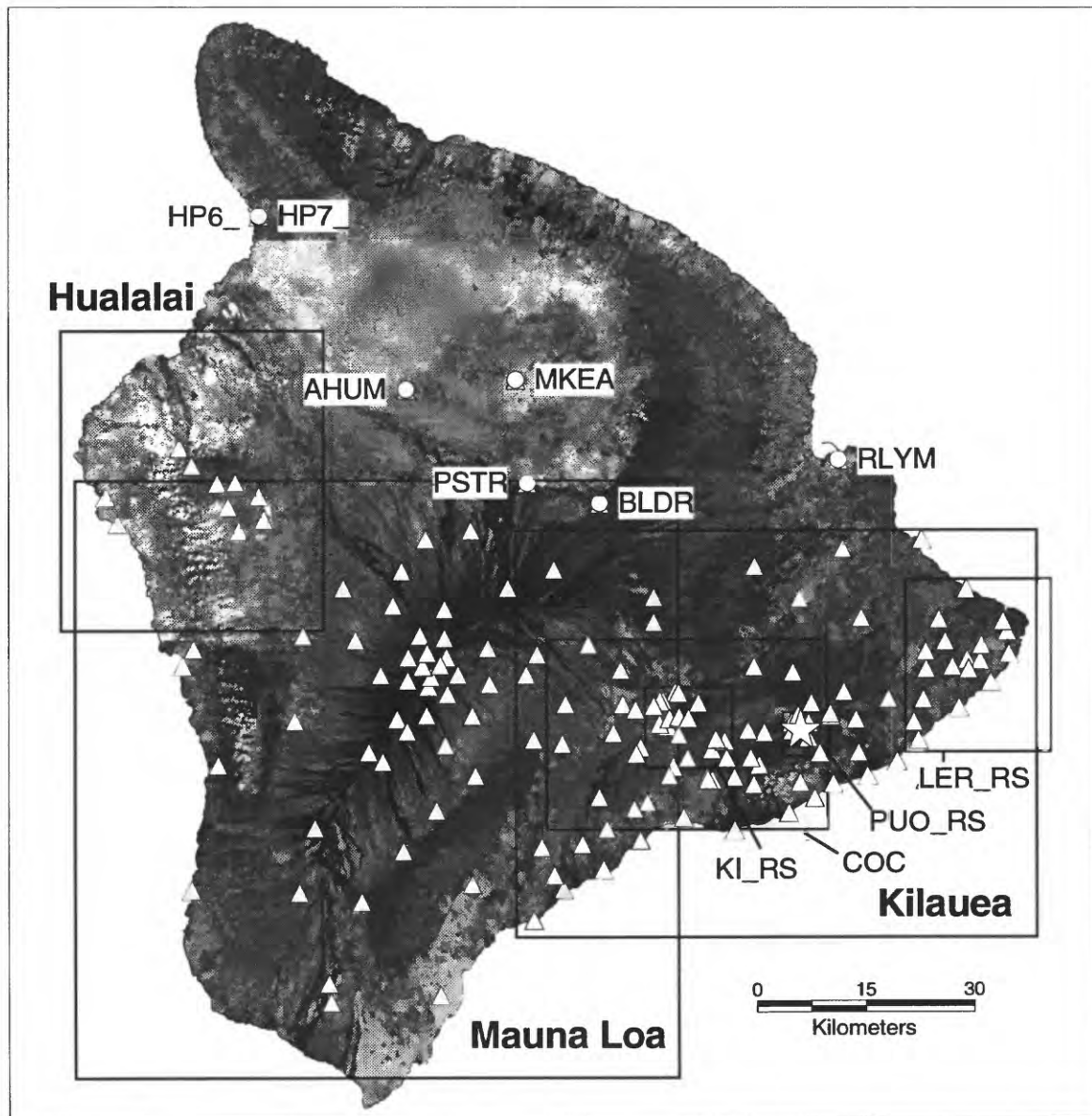


Figure 1. GPS benchmarks on the island of Hawaii. Boxes indicate areas of the network maps of Figure 2. Stations marked by a circle and labeled with 4-letter codes are often occupied with several networks, as they are located away from actively deforming areas and are used as local references for displacement calculations. The location of Pu'u 'O'o is indicated by the star.

GPS Surveys

All the benchmarks and continuously operating receiver sites occupied with GPS between 1993 and 1996 are listed in Table 2, and locations are shown in Figure 1. Figure 2 subdivides the island into networks of benchmarks that are usually occupied during a single campaign. Note that some sites are common to more than one network. The Kilauea (ki) and Mauna Loa (ml) networks are usually occupied once yearly. The Hualalai (hl) network was established in 1995, and we plan to occupy it, as well as the west Mauna Loa (wml) network, about once every two years. The "Chain-of Craters" (coc) network was occupied, on average, every few months beginning in late 1993. Complete listings of the benchmarks occupied during each campaign are found in Table 3, and a similar listing, sorted by benchmarks, is in Table 4. Table 5 lists every GPS session from 1993 through 1996. Dates and occupation times are in UTC. Sessions often cross a UTC date boundary, and we assign the date for which the bulk of the data is collected to the filename. Antenna heights are slant heights to the bottom of the ground plane, unless otherwise noted, except for continuous sites, where the height listed in Table 5 represents a "rinex" height (vertical height to the bottom of the pre-amp base). Also listed are the formats in which the data are archived. Raw data were converted to rinex format with UNAVCO's trrinex software.

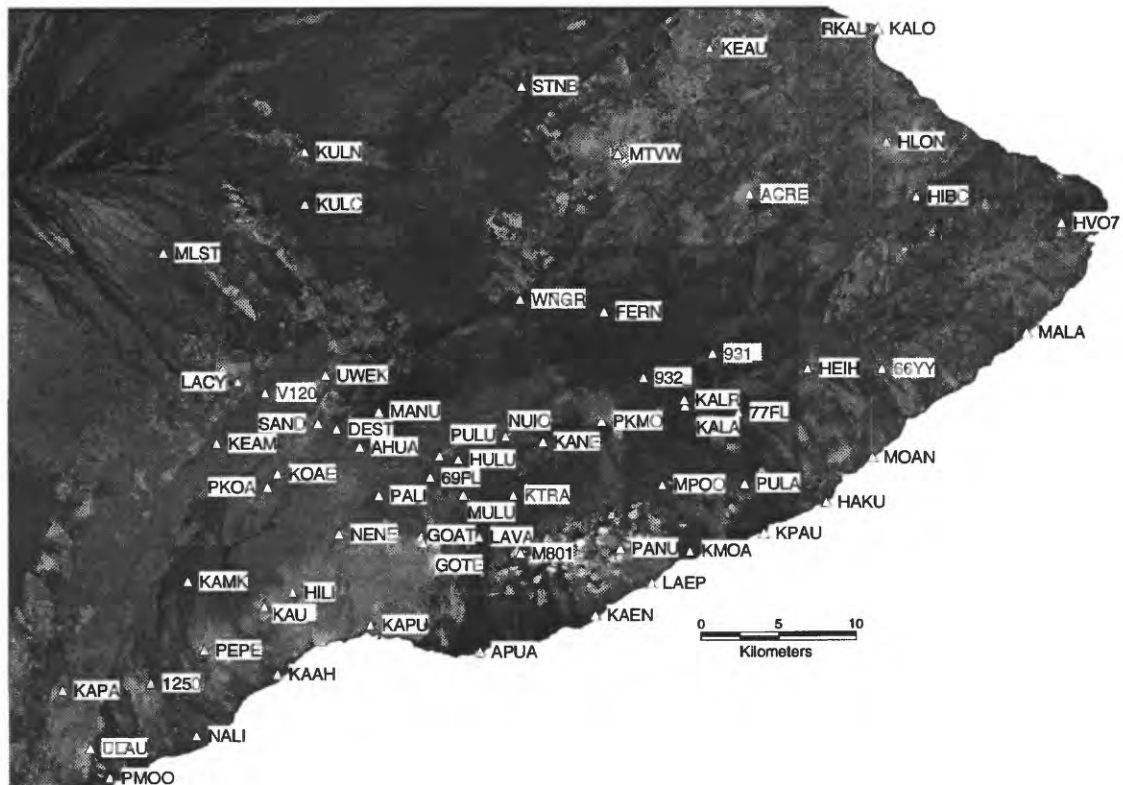


Figure 2a. The Kilauea GPS network.

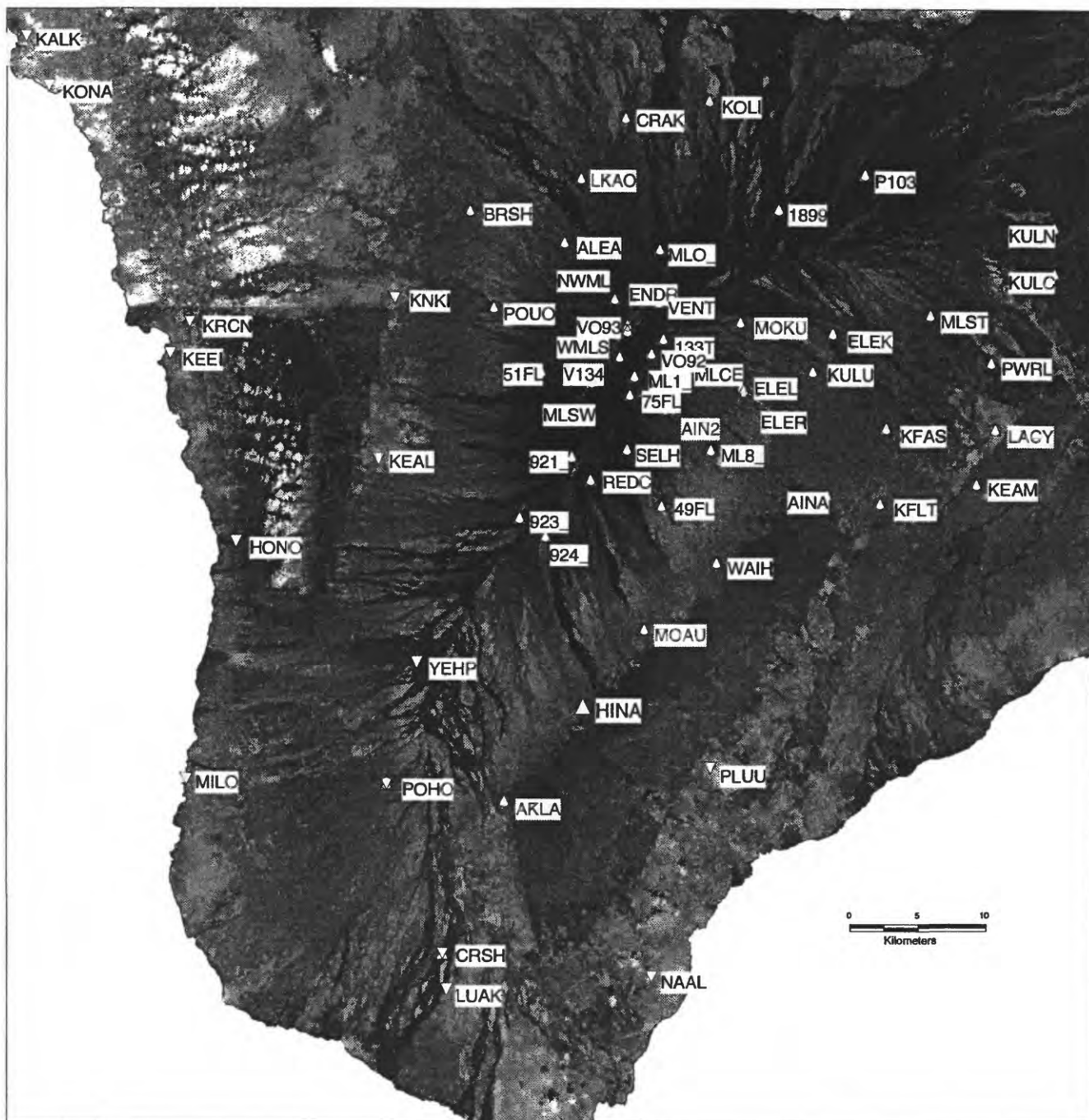


Figure 2b. The Mauna Loa GPS network. Stations on the west flank of Mauna Loa are usually occupied in separate campaigns ("wml" in tables) and are shown with inverted triangles.

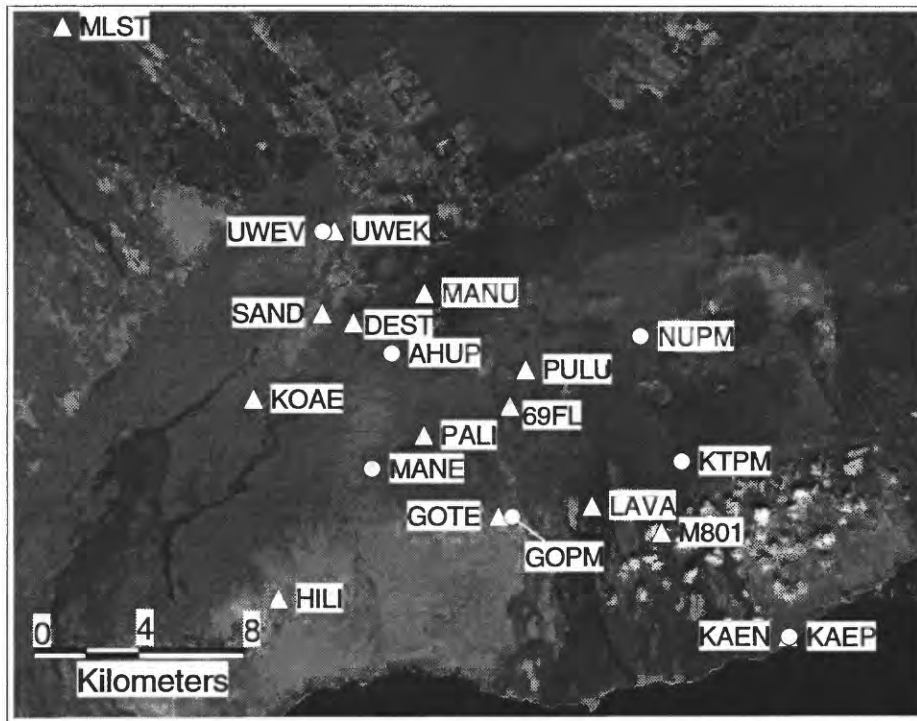


Figure 2c. The Chain-of-Craters and continuously operating GPS networks. Continuous sites are shown with circles.

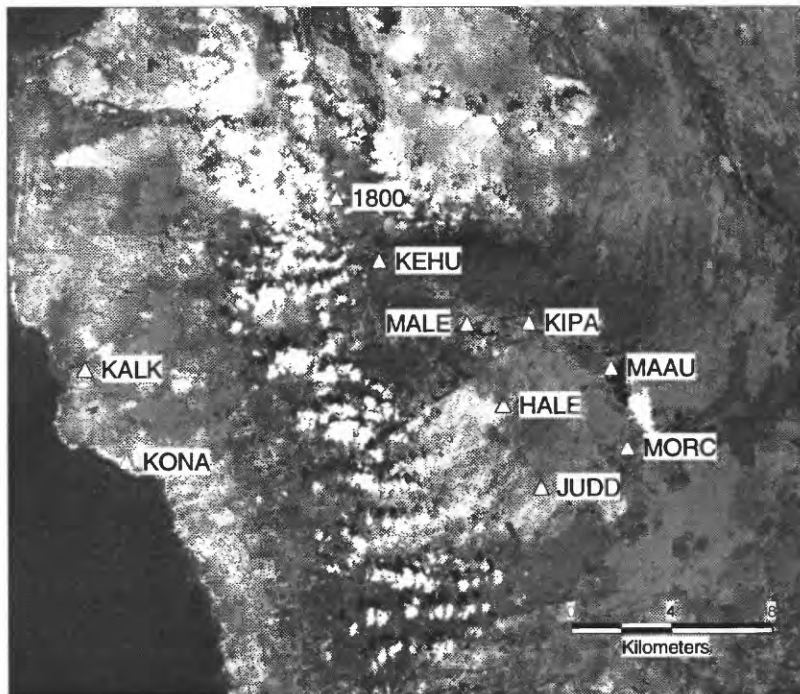


Figure 2d. The Hualalai GPS network

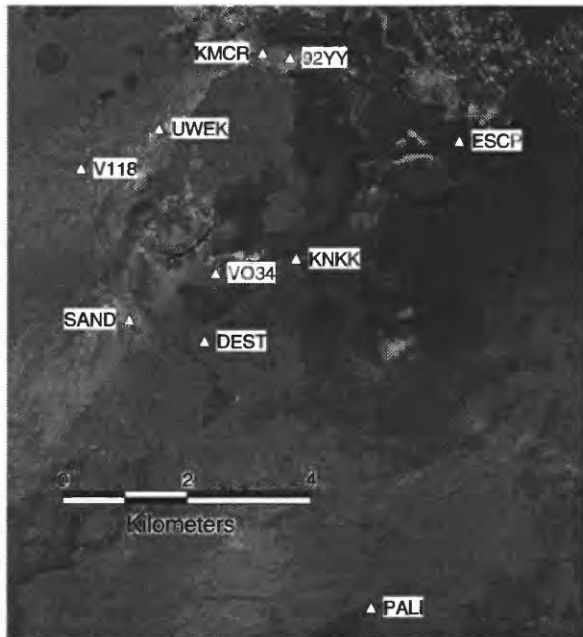


Figure 2e. The Kilauea summit rapid-static GPS network.

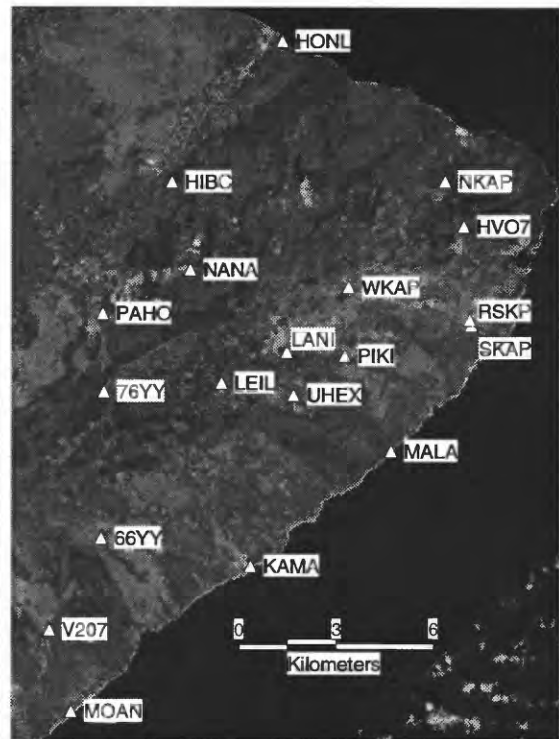


Figure 2f. The lower east rift zone rapid-static GPS network

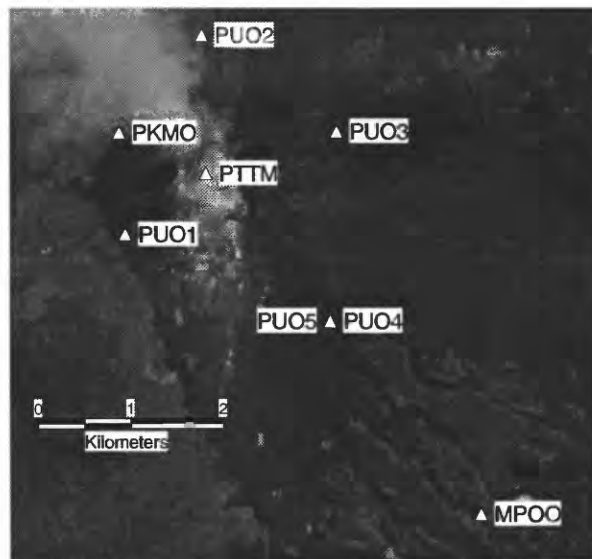


Figure 2g. The Pu'u 'O'o rapid-static GPS network

Data Processing

All data, with the exception of the rapid-static campaign data, were processed with NASA Jet Propulsion Lab's (JPL) GIPSY software using satellite orbital parameters determined by JPL. We used satellite orbits in the ITRF93 reference frame until July 1, 1996 and in ITRF94 afterward. Until August 1995, our processing strategy utilized the International GPS Service continuously operating receiver at Kokee Park, Kauai, as a reference clock. After August 1, 1995, we used satellite clock parameters provided by JPL. We determined station positions independently, without constraining the position of any particular site. Phase-cycle ambiguities were fixed to the best-fitting integer. We required elevation angles of satellites to be above 15 degrees until December 1995 and above 10 degrees thereafter. We find that the -5 degree change in cut-off angle caused an systematic change in calculated ellipsoid heights of about -1 cm. Kilauea campaign and continuous data were processed jointly by HVO and Stanford. Rapid-static data were processed with Trimble's GPSurvey software, which currently does not allow the option of using improved orbital parameters and does not provide a full covariance matrix for the solution. We are still evaluating the processing options for optimum results from rapid-static surveying.

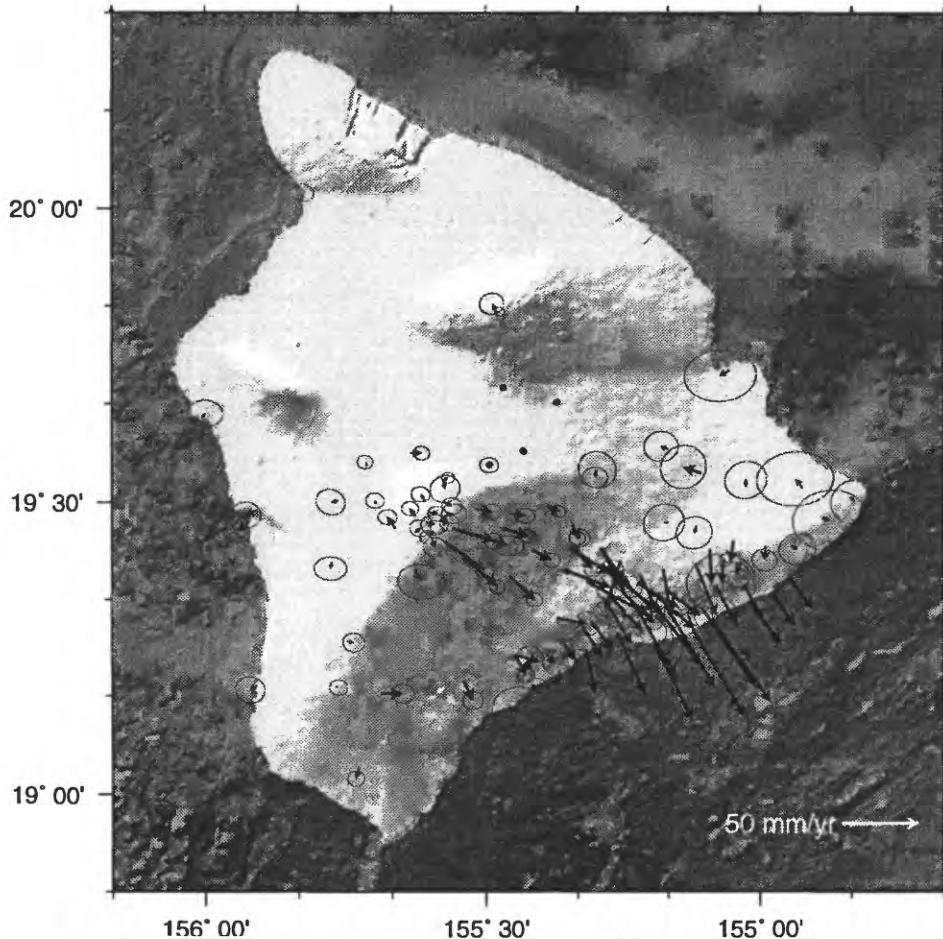


Figure 3. Average displacement rates from 1993 through 1996. Ellipses represent five times the standard error computed by GIPSY. All campaign-style data collected over this time period were used to constrain velocities.

Results

The largest motions on the island from 1993 through 1996 were observed on the south flank of Kilauea (Figure 3), with maximum displacement rates of about 10 cm/yr, similar to rates observed with GPS from 1990 to 1993 (Owen et al., 1995a). However, not all stations moved at a constant rate over this time period. For example, displacement rates on Kilauea's south coast slowed to about 6 cm/yr between 1993 and 1994 (Owen et al., 1995b), and velocities on the southeastern flank of Mauna Loa varied from a maximum of over 4 cm/yr between 1993-94 to less than 2 cm/yr between 1995-96. The summit of Kilauea underwent substantial subsidence and contraction from 1993 to 1996, while Mauna Loa's summit, which had been extending and rising since its last eruption (Miklius et al., 1995), showed very low rates of deformation.

Figure 4 shows a time series of the data from the two longest-running continuous stations as an example of the data collected by the continuous GPS network. The network has shown great potential for monitoring both the long-term deformation and the variations in deformation rates that are crucial to understanding the relationship between the magma system and structure of Hawaii's active volcanoes.

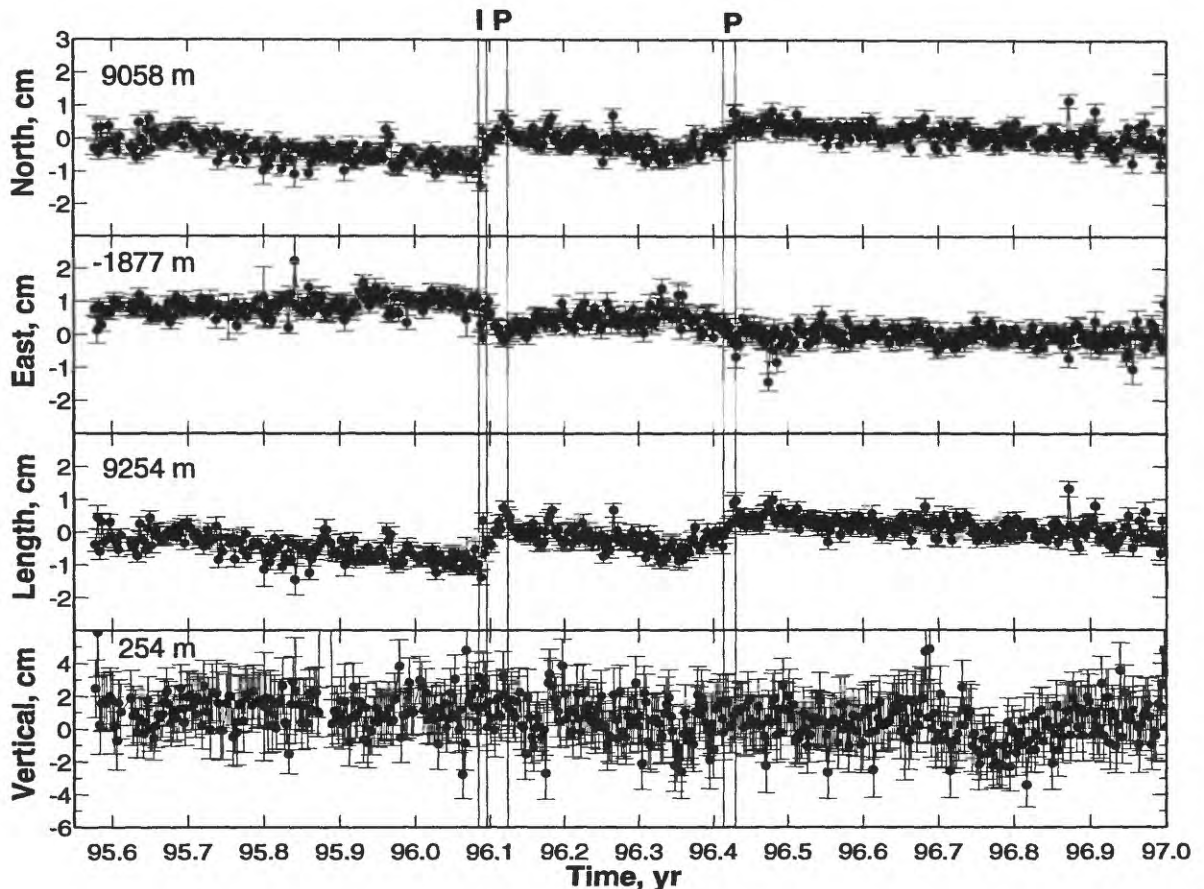


Figure 4. Time series of the motion of UWEV relative to MANE (see Figure 2 for locations). We have plotted the value of the component minus the mean value of that component over this time period. Approximate mean values are listed in the top left corner of each plot. Vertical lines mark the times of the 1996 intrusion and pauses discussed in the introduction.

Acknowledgements

The number of people who assisted in gathering GPS data from 1993 through 1996 is too large to permit acknowledging each individual. Almost all of the staff and volunteers of the Volcano Observatory and numerous Stanford students have been involved in the GPS campaigns and we thank them all for their help. We would especially like to thank Jeff Freymueller, currently of the University of Alaska at Fairbanks, for his assistance in the installation and use of Gipsy software both at HVO and at Stanford.

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Table 1: GPS Equipment

Receiver	Receiver Serial #	Receiver Type		Antenna	Antenna Serial #	Antenna Type	Permanent Site Name
HVO 1	3587	SSE		HVO 1	68270	SST	
HVO 2	3589	SSE		HVO 2	68233	SST	
HVO 3	3586	SSE		HVO 3	67116	SST	
HVO 4	3597	SSE		HVO 4	68853	SST	
HVO 5	3583	SSE		HVO 5	68854	SST	
HVO 6	3594	SSE		HVO 6	68852	SST	UWEV
ST01	5689	SSE		ST01	103	SST	
ST02	5685	SSE		ST02	136	SST	
ST03	5701	SSE		ST03	106	SST	
ST04	5687	SSE		ST04	140	SST	
ST05	3454	SSE		ST05	68602	SST	
ST06	5698	SSE		ST06	98672	SSE	
ST07	5699	SSE		ST07	98261	SSE	
ST08	5697	SSE		ST08	98667	SSE	
ST09	10778	SSI		ST09	18931	SSE	
SR#1	10788	SSI		SR#1	18339	SSE	MANE
SR#2	14698	SSI		SR#2	52088	SSE	AHUP
SR#3	14792	SSI		SR#3	52079	SSE	KAEP
SR#4	14799	SSI		SR#4	52062	SSE	GOPM
SR#5	14793	SSI		SR#5	52065	SSE	NUPM
SR#6	14790	SSI		SR#6	52076	SSE	KTPM
SST antennas:L1/L2 geodetic							
SSE antennas:L1/L2 kinematic with ground plane							

Table 2: GPS Stations

CODE	STATION NAME	BM STAMPING	LAT (WGS84)	LONG (WGS84)	E-HT	COMMENTS	net
1250	Mauka 1250	MAUKA 1250	19.2418	155.3937	457.1		ki
133T	133 Tilt	133 TILT 1993	19.4765	155.5730	4049.8		ml
1800	1800 Flow	Z	19.7382	155.9249	1231.7	Z-benchmark of drytilt array	hl
1899	1899 cone	1899	19.5626	155.4919	2905.5		ml
49FL	49 Flow	49 FLOW	19.3663	155.5744	2838.3		ml
51FL	1851 Flow	1851 FLOW 1993	19.4545	155.6596	3359.8		ml
66YY	66YY Reset	66YY RESET	19.4238	154.9445	254.8		ki, ler_fs
69FL	69 Flow	HVO93-13	19.3607	155.2227	994.6		ki, coc
75FL	75 Flow	75 FLOW 1993	19.4398	155.5968	3978.1		ml
76YY	76YY	76YY	19.4616	154.9408	311.1		ler_rs
77FL	77 Flow	77 FLOW 1993	19.3986	155.0327	504.4		ki
921_	HVO92-1	HVO92-1	19.3988	155.6381	3545.2	only occupied once - in 1992	ml
923_	HVO92-3	HVO92-3	19.3580	155.6748	2961.3	only occupied once - in 1992	ml
924_	HVO92-4	HVO92-4	19.3458	155.6567	2961.1	only occupied once - in 1992	ml
92YY	92YY	92YY	19.4315	155.2667	1225.2		ki_rs
931_	HVO93-1	HVO93-1	19.4330	155.0487	572.8		ki
932_	HVO93-2	HVO93-2	19.4191	155.0913	699.5		ki
ACRE	Hawaiian Acres	HI ACRES	19.5252	155.0256	304.0	new bm installed in old hole 8/17/93	ki
AHUA	Ahua	HVO114	19.3791	155.2660	1104.7		ki
AHUM	Ahumoa	HVO93-15	19.8107	155.6260	1816.7		misc
AHUP	Ahua Permanent	no bm	19.3791	155.2660	1105.1	installed 7/20/96	cont
AIN2	Ainapo 2	ML-4	19.4304	155.5716	3829.9		ml
AINA	Ainapo Trail	HVO87-107	19.3733	155.4580	1570.4		ml
AKLA	Kipuka Akala	HVO92-8	19.1704	155.6847	1576.4		ml
ALEA	Alea	HVO93-14	19.5410	155.6438	2923.8	installed 5/1/96	ml
APUA	Apua Point	APUA PT	19.2598	155.1926	24.8		ki
BLDR	Boulder	BOULDER 1955	19.6680	155.3704	1754.8		misc
BRSH	Brush	PK NAIL - TAG76-18	19.5619	155.7095	2187.4		ml
CRAK	Crack	PK NAIL - TAG76-15	19.6229	155.6007	2302.1		ml
CRSH	CRUSHER	KAHUKU SE BASE 1948	19.0686	155.7281	2961.1	only occupied once - in 1992	ml,wml
DEST	Desert	HVO37 1964	19.3897	155.2799	1118.4		ki, ki_rs
ELEK	Eleiki	ELEIKI RESET 1984	19.4800	155.4539	2623.5		ml
ELEL	Puu Eleele	PUU ELEELE 1976	19.4440	155.5180	3238.5		ml
ELER	Eleele Reset	ELEELE RESET 1996	19.4428	155.5162	3165.8		ml
ENDR	MLS End of road	HVO94 1965	19.4855	155.5989	4131.1	tie to HVO93 5/96	ml

Table 2: GPS Stations

CODE	STATION NAME	BM STAMPING	LAT (WGS84)	LONG (WGS84)	E-HT	COMMENTS	net
ESCP	Escape Road	HVO1140	19.4193	155.2405	1200.2		ki_rs
FERN	Fern Forest	HVO89-1	19.4580	155.1153	667.1		ki
GOAT	Goat	HAWAII	19.3265	155.2281	830.2		ki
GOPM	Goat Permanent	no bm	19.3223	155.2220	759.3	installed 8/15/96	cont
GOTE	Goat Reset	GOAT RESET 1993	19.3226	155.2270	781.5		ki,coc
HAKU	Hakuma	none	19.3459	154.9791	33.8		ki
HALE	Puu Hale	Z	19.6634	155.8611	1827.0	Z-benchmark of drytilt array	hl
HLON	Halona	HALONA	19.5553	115.9412	114.8	not occupied since 1992	ki
HEIH	Heiheihulu	bm underneath pier	19.4241	154.9901	536.8		ki
HIBC	Hawaiian Beaches	HVO87-103	19.5235	154.9232	130.2		ki
HILI	Hilina Pali	HILINA RESET 1975	19.2945	155.3073	706.8		ki,coc
HINA	Pohina	KHK3 1995	19.2332	155.6299	1917.0	installed 1/22/96	ml
HONL	Honolulu Landing	HVO87-156	19.5598	154.8877	24.5		ler_rs
HONO	Honokua Flow	HVO88-13	19.3416	155.8730	352.8		wml
HP6_	HP6	HP-6	20.0261	155.8205	59.4		misc
HP7_	HP7	HP-7	20.0268	155.8207	60.5		misc
HULU	Puu Huluhulu	PUU HULUHULU	19.3715	155.2054	1068.9	bm defaced around 1993	ki
HVO7	Kapoho	HVO7	19.5078	154.8346	46.4		ki
JUDD	Judd Trail	none	19.6334	155.8467	1603.9		hl
KA AH	Kaaha	KA AHA	19.2471	155.3167	35.0		ki
KA EN	Kaena Point	KAENA PT	19.2811	155.1214	40.9		ki,coc
KA EP	Kaena Permanent	no bm	19.2809	155.1210	38.0	installed 7/20/96	cont
KALA	Kalalua	no bm - metal pipe	19.4026	155.0656	683.6	tie to KALR 8/22/1995	ki
KALR	Kalalua Reset	KALALUA RESET 1995	19.4059	155.0661	651.1	tie to KALA 8/22/1995	ki
KALK	Kaloko	KALOKO 1995	19.6762	156.0205	24.6		wml
KALO	Kaloli	bm at bottom of pier	19.6218	154.9462	23.3	tie to RKAL 7/11/96	ki
KAMA	Kamalii	KAMALII 1995	19.4127	154.8977	29.1		ler_rs
KAMK	Kamakaia	HVO128	19.3009	155.3712	824.8		ki
KANE	Kane Nui	HVO93-4	19.3818	155.1534	874.1		ki
KAPA	Kapapala	KAPAPALA 1949	19.2378	155.4472	494.2		ki
KAPU	Puu Kapukapu	none	19.2756	155.2595	338.2		ki
KAU_	Kau	KAU	19.2862	155.3244	656.9		ki
KEAL	Kealia	KEALIA 93	19.3968	155.7731	1900.9		wml
KEAM	Kearnoku	HVO145	19.3813	155.3531	1015.7		ki,ml
KEAU	Kaau	KEAAU 1949	19.6105	155.0498	203.0		ki

Table 2: GPS Stations

CODE	STATION NAME	BM STAMPING	LAT (WGS84)	LONG (WGS84)	E-HT	COMMENTS	net
KEEI	Keel	KEEI NO BASE 1948	19.4654	155.9192	33.1		wml
KEHU	Kaupulehu	KAUPULEHU1948RESET	19.7155	155.9084	1894.4		hl
KFAS	Kaiki	KF93-1	19.4180	155.4162	1607.4		ml
KFLT	Keakapulu Flats	HVO146	19.3682	155.4206	1287.1		ml
KIPA	Kipahee	Y	19.6934	155.8514	2331.2	Y-benchmark of dry-tilt array	hl
KMCR	KMC	HVO143	19.4322	155.2709	1237.8		ki_rs
KMOA	Kamoamo	HVO158	19.3180	155.0629	43.7	buried by lava flows in 1994	ki
KNKI	Kaneki	KANEKII GPS 93	19.5031	155.7622	1864.5		wml
KNKK	Keanakakoi	HVO10	19.4018	155.2657	1140.8		ki_rs
KOAE	Koae Tilt	KOAE 1993	19.3633	155.3164	990.0		ki_coc
KOLI	Puu Koli	PK nail - no tag	19.6344	155.5411	2268.6	destroyed between 1993 and 7/96	ml
KONA	Old Kona Airport	HVO88-11	19.6425	156.0048	26.7		wml
KPAU	Kupapau 2	KUPAPAU 2	19.3281	155.0174	27.6		ki
KRCN	Kealakiekua Ranch Ctr	HVO88-12	19.4868	155.9056	496.1		wml
KTPM	Kalapana Trail Permanent	no bm	19.3413	155.1600	782.7	installed 11/1/96	cont
KTRA	Kalapana Trail	HVO93-6	19.3505	155.1716	856.6		ki
KULC	Kulani Cone	no bm - pipe	19.5205	155.2990	1709.4	CODE USAGE INCONSISTENT	ki,ml
KULN	Kulani Camp	HVO87-105	19.5508	155.2991	1603.6	CODE USAGE INCONSISTENT	ki,ml
KULU	Kulua	KULUA 1993	19.4550	155.4679	2575.0		ml
LACY	Lacy	LACY GPS	19.4173	155.3402	1201.4		ki,ml
LAEP	Laeapuki	LAEPAPUKI	19.2996	155.0868	33.2		ki
LANI	Lanipuna	HVO92-13	19.4725	154.8867	186.6		ler_rs
LAVA	Lava Channel	LAVA CHANNEL	19.3261	155.1928	762.1		ki_coc
LEIL	Lailani	HVO81-4	19.4639	154.9061	227.6		ler_rs
LKAO	Lower Kaohe	PK nail - no tag	19.5830	155.6322	2609.4		ml
LUAK	Lua Kalupenui	LUAKALUPENUI 1993	19.0449	155.7249	458.7		wml
M801	BM80-1	80-1	19.3169	155.1674	632.8		ki_coc
MAAU	Puu Maaui	X	19.6772	155.8201	2033.3	X-benchmark of dry-tilt array	hl
MALA	Malama Ki	MALAMA KI GPS	19.4447	154.8562	21.0		ki,ler_rs
MALE	Malekule	none	19.6932	155.8751	2406.1		hl
MANE	Mauka Kipuka Nene Perm	no bm	19.3390	155.2732	996.6	installed 7/29/95	cont
MANU	Lua Manu	HVO 93 LUA MANU	19.3997	155.2540	1136.4		ki_coc
MILO	Miloli	NO 3 1973	19.1845	155.9071	20.0		wml
MKEA	Mauna Kea	HVO88-14	19.8227	155.4810	4164.1		misc
ML1_	ML1	ML-1	19.4518	155.5935	4082.9		ml

Table 2: GPS Stations

CODE	STATION NAME	BM STAMPING	LAT (WGS84)	LONG (WGS84)	E-HT	COMMENTS	net
ML8	ML8	ML-8	19.4033	155.5393	3020.6		
MLCE	ML Cabin East	MLS CABIN EAST	19.4546	155.5582	3877.5		ml
MLO	Mauna Loa Observatory	STAIR 1955	19.5365	155.5757	3420.1	carriage bolt - inscription is in cement p	ml
MLST	Mauna Loa Strip	HVO87-108	19.4924	155.3856	2061.0		ml,ki
MLSW	Southwest ML	SW MLS	19.4478	155.6243	3927.0		ml
MOAN	Moana Hauae	none	19.3723	154.9508	37.4		ki,ler_rs
MOAU	Moaula	KHK2 1995	19.2840	155.5865	2101.3	installed 1/22/96	ml
MOKU	Poomoku	77-503	19.4878	155.5186	3439.1		ml
MORC	Moore Crater	Y	19.6478	155.8138	1811.5	Y-benchmark of dry-tilt array	hl
MPOO	Makai Puu Oo	HVO93-5	19.3564	155.0799	580.1		ki
MTVW	Mountain View	MTVW	19.5490	155.1065	473.3		ki
MULU	Mauna Ulu	HVO93-7	19.3503	155.2025	926.9		ki
NAAL	Naalehu	HVO92-9	19.0530	155.5810	218.9		wml
NALI	Nalilikakani	NALI	19.2109	155.3661	113.6		ki
NANA	Nanawale	NANA 1995	19.4958	154.9152	184.6		ler_rs
NENE	Kipuka Nene	HVO86-59	19.3281	155.2788	920.3		ki
NKAP	North Kapoho	HVO86-40	19.5204	154.8401	45.4		ler_rs
NUJO	Kane Nui O Hamo	HVO93-11	19.3850	155.1761	929.8		ki
NUPM	Kane Nui Permanent	no bm	19.3847	155.1750	933.3	installed 10/10/96	cont
NWML	Northwest ML	NW MLS 1993	19.5032	155.6082	3863.5		ml
P103	Pole 103	POLE 103 1993	19.5857	155.4315	2397.9		ml
PAHO	Pahoa	HVO86-1	19.4835	154.9411	235.7		ler_rs
PALI	Pali	HVO111	19.3505	155.2542	1020.3		ki, ki_rs
PANU	Panau	none	19.3195	155.1059	357.5		ki
PEPE	Pepeiau	PEPE	19.2611	155.3612	495.9		ki
PIKI	Poholiki	GPS RS1 95	19.4714	154.8698	124.6		ler_rs
PILI	Puu Pili	HVO92-17	19.1475	155.4574	36.4		ki
PKMO	Puu Kamoamo	HVO93-3	19.3938	155.1171	770.7		ki,puo_rs
PKOA	Puu Koae	PK nail - no tag	19.3554	155.3224	1009.5		ki
PLUU	Punaluu Gulch	HVO92-16	19.1922	155.5390	691.4		ml
PMOO	Puu Moo	PUU MOO HVO93-12	19.1862	155.4185	88.6		ki
POHO	Puu Ohohia	HVO92-7	19.1817	155.7667	1627.1		wml,ml
POUO	Puu O Uo	PK nail - TAG76-16	19.4976	155.6929	2717.9		ml
PSTR	Pasture	PASTURE	19.6937	155.4663	2043.3		misc
PTTM	Puu Oo Cone	PK nail - no tag	19.3898	155.1082	895.9		puo_rs

Table 2: GPS Stations

CODE	STATION NAME	BM STAMPING	LAT (WGS84)	LONG (WGS84)	E-HT	COMMENTS	net
PULA	Pulama	HVO92-16	19.3569	155.0292	204.9		
PULU	Puu Huluhulu Reset	KF46	19.3735	155.2170	1012.6		ki
PUO1	Pu'u 'O'o 1	PK nail	19.3838	155.1165	780.3		puo_rs
PUO2	Pu'u 'O'o 2	PK nail	19.4033	155.1086	775.6		puo_rs
PUO3	Pu'u 'O'o 3	PK nail	19.3939	155.0947	770.6		puo_rs
PUO4	Pu'u 'O'o 4	PK nail	19.3763	155.0951	720.0	buried by lava flows 2/96	puo_rs
PUO5	Pu'u 'O'o 5	PK nail	19.3753	155.0954	731.1		puo_rs
PWRL	Powerline	POWERLINE 1993	19.4608	155.3429	1523.7		ml
REDC	Makai Red Cone	HVO92-2	19.3836	155.6250	3412.5		ml
RKAL	Ref Kaloli (Kaloli Reset)	Kaloli 2 NO 2 1949	19.6218	154.9463	23.2	Reference mark, tie to KALO 7/11/96	ki
RLYM	Reference Lyman	LYMAN NO 2 1977	19.7227	155.0548	26.3	Reference mark	misc,ki
RSKP	South Kapoho Reset	HVO87-5	19.4813	154.8330	32.3		ki_rs
SAND	Sandhill	HVO119	19.3929	155.2914	1149.7		ki,ki_rs
SELH	SE Lua Hou	SE LUA HOU 1996	19.4037	155.5991	3641.2		ml
SKAP	South Kapoho	HVO 86-33	19.4798	154.8326	27.9		ler_rs
STNB	Stainback	HVO89-2	19.5889	155.1657	704.3		ki
UHEX	UH Experiment Farm	none	19.4605	154.8848	119.8	Z-benchmark of drytilt array	ler_rs
ULAU	Puu Ulaula	none	19.2037	155.4306	324.8		ki
UWEK	Uwekahuna	HVO113	19.4211	155.2868	1269.4		ki,ki_rs
UWEV	Uwekahuna Vault Perm	no bm	19.4208	155.2911	1257.7	installed 6/95	cont
V118	HVO 118	HVO118	19.4152	155.2988	1206.6		ki_rs
V120	Upper Kau Road	HVO120	19.4109	155.3236	1130.4		ki
V134	HVO134	HVO134	19.4647	155.6046	4137.1		ml
V207	HVO207	HVO207	19.3951	154.9572	163.2		ler_rs
VENT	Vent	VENT	19.5009	155.5763	3945.1		ml
VO34	New Explosion Debris	HVO134	19.3997	155.2782	1128.4		ki_rs
VO92	HVO92	HVO92	19.4668	155.5814	4075.6		ml
VO93	HVO93	HVO93	19.4818	155.5989	4164.8		ml
WAIH	Waihaka Gulch	KHK1 1995	19.3280	155.5352	2117.5	installed 1/22/96	ml
WKAP	West Kapoho	153YY	19.4906	154.8684	130.8		ler_rs
WMLS	West ML Summit	WEST MLS 1993	19.4764	155.6235	3923.4		ml
WNGR	Wung Ranch	HVO87-106	19.4651	155.1667	817.5		ki
YEHP	Yee Hop	YEEHOP GPS 93	19.2621	155.7461	2265.3		wml

Table 3a: 1993 Campaigns

[illegible]

Table 3a: 1993 Campaigns

					NOV93COC	
	ML93			Code	Station Name	Julian Day (UTC)
Code	Station Name	Julian Day (UTC)				
1899	1899 cone	258, 259		69FL	69 Flow	320
133T	133 Tilt	254, 255		HILI	Hilina	322
51FL	1851 Flow	258		KAEN	Kaena Point	321
75FL	75 Flow	256, 257		KOAE	Koae Tilt	320
AIN2	Ainapo2	254		LAVA	Lava Channel	320-321
AINA	Ainapo Trail	236, 265-277		MLST	MI Strip	320
AKLA	Kipuka Akala	244		NENE	Kipuka Nene	321
BLDR	Boulder	263, 264		SAND	Sandhill	320
BRSH	Brush	258-262		STNB	Stainback	322
CRAK	Crack	260-262		UWEK	Uwekahuna	320-322
ELEK	Eleiki	254				
ELEL	Eleele	254-255				
KAPA	Kapapala	244, 246			DEC93COC	
KEAM	Keamoku	266, 267		Code	Station Name	Julian Day (UTC)
KFAS	Kaoiki	265-267		69FL	69 Flow	351
KFLT	Keakapulu Flats	235, 236		GOTE	Goat Reset93	351
KOLI	Puu Koli	260-262		HILI	Hilina Pali	349
KULU	Kulua	268, 269		KAEN	Kaena Point	350-351
LACY	Lacy	266-270		KOAE	Koae Tilt	349
LKAO	Lower Kahoe	260-262		LAVA	Lava Channel	350
LUAK	Lua Kalupenui	244, 245		MANU	Lua Manu	350-351
MKEA	Mauna Kea	261-264		MANU	Lua Manu	355
ML1_	ML1	253-255, 257		MLST	MI Strip	349
ML8_	ML8	268, 269		MTVW	Mountain View	350
MLCE	MLS Cabin East	254, 255		NENE	Kipuka Nene	350
MLO_	Mauna Loa Observ	252-255, 258-264		PALI	Pali	351
MLST	ML Strip Road	251-254, 265-270		PULU	Puu Huluhulu	349
MLSW	SW MLS	256, 257		SAND	Sandhill	349, 355
MOKU	Poomoku	254		UWEK	Uwekahuna	349, 355
NAAL	Naalehu	246				
NWML	NM MLS	256, 257				
P103	Pole 103	263, 264			TIE	
PLUU	Punaluu Gulch	245, 246		Code	Station Name	Julian Day (UTC)
POHO	Puu Ohohia	244		HP6_	HP6	291, 356
POUO	Puu O'uo	258		HP7_	HP7	291, 356
PSTR	Pasture	263, 264			TIE	
PWRL	Powerline	268-270		Code	Station Name	Julian Day (UTC)
UWEK	Uwekahuna	235-236, 244-246, 265-269		GOTE	Goat Reset	280
V134	HVO134	252-253		GOAT	Goat	280
VENT	Vent	254-257			TIE	
VO92	HVO92	252-253		Code	Station Name	Julian Day (UTC)
VO93	HVO93	252-253		HULU	Puu Huluhulu	280
WMLS	West MLS	256-258		PULU	Puu Huluhulu Rese	280

Table 3b: 1994 CAMPAIGNS

JAN94COC			MAR94COC		
Code	Station Name	Julian Day (UTC)	Code	Station Name	Julian Day (UTC)
931_	HVO93-1	006	GOTE	Goat Reset	082-084
932_	HVO93-2	005, 006	HILI	Hilina	084
932_	HVO93-2	006	KAEN	Kaena Point	082
APUA	Apua Point	011	KOAE	Puu Koae	082-083
BLDR	Boulder	013	LAVA	Lava Channel	082
GOTE	Goat Reset	010, 011, 012	MANU	Lua Manu	083
HAKU	Hakuma	006	NENE	Kipuka Nene	083
HEIH	Heiheiahulu	006	PALI	Pali	083-084
HILI	Hilina Pali	010-012	PULU	Puu Huluhulu Reset	082
KA AH	Kaaha	012	PWRL	Powerline	084
KAEN	Kaena	007, 009, 011	SAND	Sandhill	084
KAMK	Kamakaia	012	UWEK	Uwekahuna	082-084
KAPA	Kapapala	012			
KMOA	Kamoamo	005, 006			
KOAE	Koae Tilt	010, 011		APR94COC	
KTRA	Kalapana Trail	005	Code	Station Name	Julian Day (UTC)
KULN	Kulani Camp	013	GOTE	Goat Reset	110-113
LAVA	Lava Channel	009	KAEN	Kaena Point	110
M801	BM80-1	011	KOAE	Koae Tilt	110-113
MANU	Lua Manu	009	LAVA	Lava Channel	110
MLST	ML Strip	009-114	MANU	Lua Manu	111
MOAN	Moana Hauae	006	MLST	MI Strip	112-113
MPOO	Makai Pu'u O'o	005, 006	PALI	Pali	112-113
MULU	Mauna Ulu	005	PULU	Puu huluhulu R.	118
NALI	Nali	012	SAND	Sandhill	111-112
NUIO	Kane Nuio O Hamo	005	SAND	Sandhill	112
PALI	Pali	010	UWEK	Uwekahuna	110-113, 118
PANU	Panau	005	WNGR	Wung Ranch	118
PKMO	Puu Kamoamo	005, 006			
PSTR	Pasture	013			
PULA	Pulama	006		OCT94COC	
PULU	Puu Huluhulu Reset	004, 005, 009, 011, 013-015	Code	Station Name	Julian Day (UTC)
SAND	Sandhill	010	69FL	69 Flow	280
UWEK	Uwekahuna	010, 013, 014	GOTE	Goat Reset 93	279-280
			HILI	Hilina	278
			KAEN	Kaena Point	278-279
			KOAE	Koae Tilt	279-280
			LAVA	Lava Channel	278, 285
			MANU	Lua Manu	280
			MLST	ML Strip	279-280
			PALI	Pali	278
			PULU	Puu Huluhulu Reset	279
			SAND	Sandhill	278
			UWEK	Uwekahuna	278-280, 285
	TIE				
Code	Station Name	Julian Day (UTC)			
KULN	Kulani Camp	068-069			
KULC	Kulani Cone	068-069			

Table 3b: 1994 CAMPAIGNS

JUL94KI			JUL94KI		
Code	Station Name	Julian Day (UTC)	Code	Station Name	Julian Day (UTC)
1250	Mauka 1250	204-206	KULN	Kulani	208-209
66YY	66YY	201-202	LAEP	Laeapuki	199-200
69FL	69 Flow	197-199	LANI	Lanipuna	209
77FL	77 Flow	200-202	LAVA	Lava Channel	193-195, 207-208
931_	HVO93-1	200-202	LYM2	Lyman2	203-204
932_	HVO93-2	200-202	M801	BM80-1	199, 202
ACRE	Hawaiian Acres	203-204	MALA	Malama Ki	209
AHUA	Ahua	197-199	MANU	Lua Manu	197-199
APUA	Apua Point	202-204	MKEA	Mauna Kea	207-208
BLDR	Boulder	207-209	MLST	ML Strip	195-197, 207-210
FERN	Fern Forest	203-204	MOAN	Moana Hauae	201-202
GOTE	Goat Reset	193-194, 205-206	MPOO	Makai Puu Oo	202-204
HAKU	Hakuma	200-202	MULU	Mauna Ulu	202-204
HEIH	Heiheiahulu	200-202	NALI	Nali	204-206
HIBC	Hawaiian Beaches	209	NENE	Kipuka Nene	193-195
HILI	Hilina	203-206	NUIO	Kane Nui o Hano	202-204
HP7_	HP7	207	PALI	Pali	193-194
HVO7	Kapoho	201-202	PANU	Panau	202-204
KAHA	Kaaha	204-206	PEPE	Pepeao Cabin	204-206
KAEN	Kaena Point	199-203	PILI	Puu Pili	204
KALA	Kalalua	200-202	PKMO	Puu Kamoamoa	200-202
KALO	Kaloli	204	PMOO	Puu Moo	204-206
KALO	Kaloli	209	PULA	Pulama	200-202
KAMK	Kamakaia	204-206	PULU	Puu Huluhulu Reset	193-200
KAPA	Kapapala	205-206	PWRL	Powerline	195-197
KAPU	Kapukapu	202-204	SAND	Sandhill	197-199
KAU_	Kau	202-204	STNB	Stainback	204-205
KEAM	Keamoku	205-206	ULAU	Ulaula	204-206
KMOA	Kamoamoa	199-200	UWEK	Uwekahuna	193-195, 197-209
KOAE	Koae Tilt	205-207	MTVW	Mountain View	195-196
KPAU	Kupapau	200-202	WNGR	Wung Ranch	195-196, 209
KTRA	Kalapana Trail	202-204			
JUL94ML			SEP94ML		
Code	Station Name	Julian Day (UTC)	Code	Station Name	Julian Day (UTC)
AINA	Ainapo Trail	206-208	AIN2	Ainapo2	266-269
BLDR	Boulder	207-209	HP7_	HP7	270
HP7_	HP7	207	MKEA	Mauna Kea	269-271
KFAS	Kaoiki	206-208	MLO_	MLO	267-270
KULN	Kulani	208-209	MLST	ML Strip	266-270
LACY	Lacy	207-208	NWML	NW MLS	266-268
MKEA	Mauna Kea	207-208	SWML	SW MLS	266-269
ML1_	ML1	206-210	WMLS	West MLS	266-269
MLCE	MLS Cabin East	206-208			
MLO_	MLO	207-210			
MLST	ML Strip	207-210			
MOKU	Poomoku	208-210			
UWEK	Uwekahuna	206-210			
VENT	Vent	209-210			
VO92	HVO92	209-210			
VO93	HVO93	208-210			
			NOV94ML		
Code	Station Name	Julian Day (UTC)	Code	Station Name	Julian Day (UTC)
			AKLA	Kipuka Akala	326-327
			KAPA	Kapapala	326-327
			PILI	Puu Pili	326-327
			PLUU	Punaluu Gulch	326-328
			UWEK	Uwekahuna	326-328

Table 3c: 1995 CAMPAIGNS

MLJAN95			FEB95KI_RS		
Code	Station	Julian Day (UTC)	Code	Station	Julian Day (UTC)
1899	1899 Cone	012	92YY	92YY	046
51FL	1851 Flow	013-015	ESCP	Escape Road	046
BRSH	Brush	013-015	KMCR	KMC	046
KULU	Kulua	011-013	KNKK	Keanakakoi	046
LKAO	Lower Kaohe	013-016	PALI	Pali	046
MKEA	Mauna Kea	011, 014-017	SAND	Sandhill	046
ML8_	ML-8	011-013	UWEK	Uwekahuna	046
MLO_	MLO	013-016	V118	HVO118	046
MLST	ML strip	011-013, 017	VO34	New Explosion Debris	046
POUO	Puu O Uo	013-015			
REDC	Makai Red Cone	011-013			
JAN95COC			MAR95KI_RS		
Code	Station	Julian Day (UTC)	Code	Station	Julian Day (UTC)
69FL	69 flow	019	92YY	92YY	060
931_	HVO93-1	026-028	ESCP	Escape Road	060
932_	HVO93-2	024-026	KMCR	KMC	060
GOTE	Goat reset	018-020	KNKK	Keanakakoi	060
HAKU	Hakuma	026-028	PALI	Pali	060
HEIH	Heiheiiahulu	026-028	SAND	Sandhill	060
HILI	Hilina Pali	019	UWEK	Uwekahuna	060
KAEN	Kaena Point	018-027	V118	HVO118	060
KOAE	Puu Koae Tilt	020	VO34	New Explosion Debris	060
KPAU	Kupaupau 2	024-026			
KTRA	Kapalana Trail	021-024	MAR95COC		
LAEP	Laeapuki	026-027	Code	Station	Julian Day (UTC)
LAVA	Lava channel	018	69FL	69 flow	075
MANU	Lua Manu	020	DEST	Desert	076
MKEA	Mauna Kea	021-022	ESCP	Escape Road	076
MLST	ML Strip	018-019	GOTE	Goat Reset	073-076
MPOO	Makai Puu Oo	024-026	HILI	Hilina Pali	074-075
MULU	Mauna Ulu	021-024	KAEN	Kaena Point	074
NUIO	Kane Nuio O Hamo	021-024	KOAE	Puu Koae reset	074-076
PALI	Pali	019	LAVA	Lava channel	074
PANU	Panau	021-024	MANU	Lua Manu	075
PKMO	Puu Kamoamo	024-026	MLST	ML Strip	073
PULA	GPS Pulama	026-028	PALI	Pali	073-074
PULU	Puu Huluhulu R.	020	PULU	Puu Huluhulu Reset	073-074
SAND	Sandhill	020	SAND	Sandhill	072-074, 076
UWEK	Uwekahuna	018-028	UWEK	Uwekahuna	072-076
JAN95PUO_RS			MAR95bKI_RS		
Code	Station	Julian Day (UTC)	Code	Station	Julian Day (UTC)
PUO1	Puu Oo 1	024	92YY	92YY	060
PUO2	Puu Oo 2	024	ESCP	Escape Road	060
PUO3	Puu Oo 3	024	KNKK	Keanakakoi	060
PUO4	Puu Oo 4	024	SAND	Sandhill	060
UWEK	Uwekahuna	024	UWEK	Uwekahuna	060
			V118	HVO118	060
			VO34	New Explosion Debris	060

Table 3c: 1995 CAMPAIGNS

KI95			KI95 (cont'd)		
Code	Station	Julian Day (UTC)	Code	Station	Julian Day (UTC)
1250	Mauka 1250	179-181	LAEP	Laeapuki	165-166
66YY	66YY	163-166	LANI	Lanipuna	163, 172
77FL	77 Flow	163-165	LAVA	Lava Channel	163, 180-181
931_	HVO93-1	163-165	M801	BM80-1	165, 170
932_	HVO93-2	164-165	MALA	Malama Ki	164, 172
ACRE	HI Acres	170-171	MANU	Lua Manu	169, 170
AHUA	Ahua	168-170	MKEA	Mauna Kea	176-179
APUA	Apua Point	165-167	MLST	MI Strip	169-173
BLDR	Boulder	171-173	MOAN	Moana Hauae	163, 171
DEST	Desert	179-181	MPOO	Makai Puu Oo	163-165
FERN	Fern Forest	166, 171	MTVW	Mountain View	166, 172
GOTE	Goat Reset	166-169	NALI	Nali	165-167, 179-181
HAKU	Hakuma	163-165	NENE	Kipuka Nene	169-172
HEIH	Heiheiahulu	163-165	NUIO	Nui O Hamo	163-165
HIBC	HI Beaches	170-171	PALI	Pali	167-170
HILI	Hilina Pali	167-169	PANU	Panau	165-167
HP7_	HP7	171-172	PEPE	Pepeiau Cabin	165-167
HVO7	Kapoho	164	PILI	Puu Pili	165-167
KA AH	Kaaha	179-181	PMOO	Puu Moo	179-181
KAEN	Kaena Point	164-170, 179-181	PULA	Pulama East	163-165
KAMK	Kamakaia	166-167	PULU	Puu Huluhulu	163-165
KAPA	Kapapala	167-169	RKAL	Kaloli ref	170-172
KAPU	Kapukapu	165-167	RLYM	Lyman ref	170-172
KEAM	Keamoku	167-169	SAND	Sandhill	169-171
KOAE	Koae Tilt	168-170	STNB	Stainback Hwy	172
KTRA	Kalapana Trail	165-167	ULAU	Puu Ulaula	165-167
KULN	Kulani Camp	170-172	UWEV	Uwekahuna Vault	162-181
KUPA	Kupapau	163-165	WUNG	Wung Ranch	165-166
LACY	Lacy	167-170			
WML95			SEP95PUO_RS		
Code	Station	Julian Day (UTC)	Code	Station	Julian Day (UTC)
HP7_	HP7	114-115	MPOO	Makai Pu'u 'O'o	244
KALK	Kaloko	114-118	PKMO	Puu Kamoamoa	244
KAPA	Kapapala	117-118	PTTM	Pu'u 'O'o Cone	244
KEAL	Kealia	114-116	PUO1	Pu'u 'O'o 1	244
KEEI	Keei	114	PUO2	Pu'u 'O'o 2	244
KNKI	Kanekii	115-116	PUO3	Pu'u 'O'o 3	244
KONA	Kona	115	PUO4	Pu'u 'O'o 4	244
KRCN	KRCN	114, 116	UWEK	Uwekahuna	244
LUAK	Lua Kalupenui	117			
LUAK	Lua Kalupenui	118			
MILO	Milolii	116			
MKEA	Mauna Kea	114-117			
NAAL	Naalehu	117-118			
POHO	Puu Ohohia	117-118			
YEHP	Yee Hop	116-118			
			TIE		
Code	Station	Julian Day (UTC)	Code	Station Name	Julian Day (UTC)
			KALA	Kalalua	234
			KALR	Kalalua Reset	234
			KONA	Old Kona Airport	115
			KALK	Kaloko	115
			HP6_	HP6	102
			HP7_	HP7	102

Table 3c: 1995 CAMPAIGNS

ML95			SEP95LER_RS		
Code	Station	Julian Day (UTC)	Code	Station	Julian Day (UTC)
1899	1899 cone	171-173	66YY	66YY Reset	271
AIN2	Ain2	158-159	76YY	76YY	271
AINA	Ainapo	157-159	ALII	Kamalii	271
BLDR	Boulder	171-173	HIBC	Hawaiian Beaches	271
ELEK	Eleiki	157-159	HONL	Honolulu Landing	271
HP7_	HP7	171-172	HVO7	HVO 7	271
KFAS	Kaoiki	157-159	LANI	Lanipuna	271
KULU	Kulua	157-159	LEIL	Leilani	271
MKEA	Mauna Kea	157-160	MALA	Malama Ki	271
ML1_	MI-1	159-161	MOAN	Moana Hauae	271
ML8_	MI-8	157-159	NANA	Nanawale	271
MLCE	MLS Cabin East	158-159	NKAP	HVO 86-40	271
MLO_	Mauna Loa	157-160, 171-173	PAHO	HVO 86-1	271
MLST	MI Strip	157-161, 169-173	PIKI	Pohoiki	271
P103	Pole 103	171-173	SKAP	HVO 86-33	271
MOKU	Poo Moku	158-159	V207	HVO 207	271
NWML	NW ML	160-161	WKAP	153YY	271
PWRL	Powerline	159-161			
REDC	Red Cone	159-161		OCT95KI_RS	
UWEV	Uwekahuna Vault	157-161	Code	Station	Julian Day (UTC)
VO92	HVO92	160-161	92YY	92YY	291, 292
VO93	HVO93	160-161	ESCP	Escape Road	292
WMLS	West MI Summit	160-161	KNKK	Keanakakoi	291
			MANE	Mauka Kip Nene	291-293
	SEP95COC		PALI	Pali	292, 293
Code	Station	Julian Day (UTC)	SAND	Sandhill	291
69FL	69 Flow	255	UWEK	Uwekahuna	291
BLDR	Boulder	257-258	UWEV	Uwekahuna Vault	291-293
DEST	Desert	257-258	V118	HVO 118	291, 292
GOTE	Goat Reset	255-258	VO34	HVO 34	291
HILI	Hilina	255-256			
KAEN	Kaena	255-256		HL95	
KOAE	Koae	252-254	Code	Station	Julian Day (UTC)
LAVA	Lava	256	1800	1800 Flow	299
MANE	Mauka Kip Nene	252-258	HALE	Puu Hale	299
MANU	Lua Manu	252-255	JUDD	Judd Trail	298
MLST	ML Strip	256-258	KALK	Kaloko	298-300
PALI	Pali	252-254	KEHU	Kaupulehu	299
PULU	Puu Huluhulu Reset	256	KIPA	Kipahee	298-300
SAND	Sandhill	252-254	MAAU	Maau	298
UWEK	Uwekahuna	257-258	MALE	Malekule	300
UWEV	Uwekahuna Vault	252-258	MANE	Mauka Kip Nene	298-300
			MORC	Moore Crater	298
			UWEV	Uwekahuna Vault	298-300

Table 3d: 1996 Campaigns

LERJAN96_RS			FEB96COCA		
Code	Station	J. Day (UTC)	Code	Station	J. Day (UTC)
66YY	66YY Reset	018	69FL	69 flow	037, 038
76YY	76YY	018	BLDR	Boulder	033, 034
HIBC	Hawaiian Beaches	018	DEST	Desert	037, 038
HONL	Honolulu Landing	018	GOTE	Goat Reset	034 - 037
HVO7	Kapoho	018	HILI	Hilina Pali	033, 034
KAMA	Kamalii	018	KAEN	Kaena Point	033 - 036
LANI	Lanipuna	018	KOAE	Koae Tilt	034 - 037
LEIL	Leilani Estates	018	LAVA	Lava Channel	033
MALA	Malama Ki	018	MANE	Mauka Kip Nene	033 - 038
MANE	Mauka Kipuka Nene	018	MANU	Lua Manu	037 - 038
MOAN	Moana Hauae	018	MLST	Mauna Loa Strip	033
NANA	Nanawale	018	PALI	Pali	034 - 037
NKAP	North Kapoho	018	PULU	Puu Huluhulu Reset	037 - 038
PAHO	Pahoa	018	SAND	Sandhill	034 - 038
PIKI	Pohoiki	018	UWEV	Uwekahuna Vault	033 - 038
RSKP	South Kapoho Reset	018			
SKAP	South Kapoho	018			
UHEX	UH Experiment Farm	018			
UWEV	Uwekahuna Vault	018			
V207	HVO207	018			
WKAP	West Kapoho	018			
JAN96ML			FEB96COCB		
Code	Station	J. Day (UTC)	Code	Station	J. Day (UTC)
AKLA	Kipuka Akala	023 - 025	69FL	69 flow	047
HINA	Pohina	023 - 025	BLDR	Boulder	045 - 047
MANE	Mauka Kip Nene	023 - 025	DEST	Desert	047 - 048
MOAU	Moaula	023 - 025	GOTE	Goat Reset	049 - 051
UWEV	Uwekahuna Vault	023 - 025	HILI	Hilina Pali	045 - 046, 048 - 050
WAIH	Waihaka Gulch	023 - 025	KOAE	Koae Tilt	048 - 051
			LAVA	Lava Channel	045 - 046
			MANE	Mauka Kip Nene	044 - 051
			MANU	Lua Manu	046 - 047
			MLST	ML Strip	044 - 046
			PALI	Pali	047 - 051
			PULU	Puu Huluhulu Reset	47
			SAND	Sandhill	048 - 051
			UWEV	Uwekahuna Vault	044 - 051
FEB0196COC			HL96		
Code	Station	J. Day (UTC)	Code	Station	J. Day (UTC)
BLDR	Boulder	032	JUDD	Judd Trail	109
HILI	Hilina Pali	032	KALK	Kaloko	108 - 109
KAEN	Kaena Point	032	KALK	Kaloko	109
LAVA	Lava Channel	032	KIPA	Kipahee	109
MANE	Mauka Kip Nene	032	MAAU	Puu Maau	109
MLST	Mauna Loa Strip	032	MANE	Mauka Kip Nene	108 - 109
UWEV	Uwekahuna Vault	032	MORC	Moore Crater	109
			UWEV	Uwekahuna Vault	108 - 109
PUO296_RS					
Code	Station	J. Day (UTC)			
MPOO	Makai Puu Oo	038			
PKMO	Puu Kamoamo	038			
PUO1	Puu Oo 1	038			
PUO2	Puu Oo 2	038			
PUO3	Puu Oo 3	038			
UWEK	Uwekahuna	038			

Table 3d: 1996 Campaigns

ML96			APR96COC		
Code	Station	J. Day (UTC)	Code	Station	J. Day (UTC)
1899	1899	128-129	69FL	69 Flow	114 - 115
133T	133 Tilt	121-122	BLDR	Boulder	114 - 115
49FL	49 Flow	123-124	DEST	Desert	115 - 177
51FL	1851 Flow	123-124	GOTE	Goat Reset	111 - 114
75FL	75 Flow	124-125	HILI	Hilina	114
AIN2	Ainapo 2	124-125	KAEN	Kaena	111 - 114
AINA	Ainapo Trail	127-128	KOAE	Koae Tilt	111 - 113
ALEA	Alea	122-123	LAVA	Lava Channel	114
BRSH	Brush	122-123	MANE	Mauka Kip Nene	111 - 117
ELEK	Eleiki	125-127	MANU	Lua Manu	114
ELEL	Puu Eleele	127-128	MLST	ML Strip	114 - 116
ELER	Eleele Reset	127-128	PALI	Pali	111 - 113
ENDR	MLS End of road	128-130	PULU	Puu Huluhulu Reset	115 - 116
HP7_	HP7	191-193	PWRL	Powerline	115 - 116
KFAS	Kaoiki	125-127	SAND	Sandhill	111 - 113
KULN	Kulani Camp	130-131	UWEK	Uwekahuna	116 - 117
KULU	Kulua	125-127	UWEV	Uwekahuna Vault	111 - 117
LACY	Lacy	128			
LKAO	Lower Kaohe	122-123			
MANE	Mauka Kip Nene	120-131		JUL96LER_RS	
MKEA	Mauna Kea	191-193	Code	Station	J. Day (UTC)
ML1_	ML1	120-121	66YY	66YY Reset	184
ML8_	ML8	124-125	76YY	76YY	184
MLCE	ML Cabin East	124-125	HIBC	Hawaiian Beaches	184
MLO_	Mauna Loa Observatory	120-124, 191-193	HONL	Honolulu Landing	184
MLST	ML Strip Road	128-130	HVO7	Kapoho	184
MLSW	Southwest ML	120-121	KAMA	Kamalii	184
P103	Pole 103	191-193	LANI	Lanipuna	184
MOKU	Poomoku	125-127	LEIL	Leilani	184
NWML	Northwest ML	120-121	MALA	Malama Ki	184
POUO	Puu Ouo	122-123	NANA	Nanawale	184
REDC	Makai Red Cone	123-124	NKAP	Noth Kapoho	184
REDC	Makai Red Cone	123-124	PAHO	Pahoa	184
UWEV	Uwekahuna Vault	120-131	PIKI	Pohoiki	184
V134	HVO134	121-122	RSKP	South Kapoho Reset	184
VENT	Vent	121-122	UHEX	UH Experiment Farm	184
VO92	HVO92	121-122	V207	HVO207	184
VO93	HVO 93	128-130	WKAP	West Kapoho	184
WMLS	West ML	120-121			
				JUL96PUOO_RS	
			Code	Station	J. Day (UTC)
			MPOO	Makai Puu Oo	199
			PKMO	Puu Kamoamoa	199
			PTTM	Puu Oo Cone	199
			PUO1	Puu Oo 1	199
			PUO2	Puu Oo2	199
			PUO3	Puu Oo 3	199
			PUO5	Puu Oo 5	199
			UWEK	Uwekahuna	199

Table 3d: 1996 Campaigns

K196			K196 (cont'd)		
Code	Station	J. Day (UTC)	Code	Station	J. Day (UTC)
1250	Mauka 1250	188-190	LAEP	Laeapuki	186-187
66YY	66YY Reset	183, 191	LANI	Lanipuna	191, 193
69FL	69 Flow	185-186	LAVA	Lava Channel	185-186
77FL	77 Flow	183-185	M801	BM80-1	186-187
931_	HVO93-1	183-185	MALA	Malama Ki	183, 192
932_	HVO93-2	184-187	MANE	Mauka Kip Nene	183-199
ACRE	Hawaiian Acres	190,191	MANU	Lua Manu	185-186
AHUA	Ahua	183-199	MKEA	Mauna Kea	191-193
APUA	Apua	185-187	MLST	ML Strip	187-190
BLDR	Boulder	191-193	MOAN	Moana Hauae	183-184
DEST	Desert	198-199	MPOO	Makai Puu Oo	183-185
FERN	Fern Forest	190, 192	MTVW	Mountain View	191-192
GOTE	Goat Reset	187-193	MULU	Mauna Ulu	185-187
HAKU	Hakuma	183-185	NALI	Nali	188-190
HEIH	Heiheiahulu	184-185	NUIO	Kane Nuio O Hamo	185-187
HIBC	Hawaiian Beaches	190, 193	PALI	Pali	188-190
HILI	Hilina Pali	188-193	PANU	Panau	185-187
HP7_	HP - 7	191-193	PEPE	Pepeiau	185-187
HVO7	Kapoho	183, 192	PILI	Puu Pili	188-190
KAHA	Kaaha	185-187	PKMO	Puu Kamoamo	183-185
KAEN	Kaena Point	183-199	PULA	Pulama	183-185
KALO	Kaloli	193	PULU	Puu Huluhulu	185-186
KALR	Kalalua Reset	183, 185	RKAL	Kaloli Reset	192-193
KAMK	Kamakaia	188-190	RLYM	Reference Lyman	193
KAPA	Kapapala	187-189	SAND	Sandhill	185-186
KAPU	Puu Kapukapu	185-187	STNB	Stainback Hwy	191-192
KAU_	Kau	185-187	ULAU	Puu Ulaula	188-190
KEAM	Keamoku	187-189	UWEK	Uwekahuna	192-194
KOAE	Koae Tilt	188-190	UWEV	Uwekahuna Vault	183-199
KPAU	Kupapau	183-185	V120	Upper Kau Road	187-188
KTRA	Kalapana Trail	185-187	WNGR	Wung Ranch	189-190
KULN	Kulani Camp	191-192			
TIES			OCT96ML		
Code	Station	J. Day (UTC)	Code	Station	J. Day (UTC)
KAEN	Kaena Point	202-203	BLDR	Boulder	290,291,292
KAEP	Kaena Permanent	202-203	ENDR	End ML road	290
MKPM	Mauna Kea Perm (IGS)	290-292	MKEA	Mauna Kea	290,291,292
MKEA	Mauna Kea	290-292	MLO_	Mauna Loa Observ	290
UWEK	Uwekahuna	116-117,192-194	VENT	Vent	290
UWEV	Uwekahuna Vault Perm	116-117,192-194			
ENDR	MLS End of road	129-130			
VO93	HVO93	129-130			

Table 4a: GPS campaigns

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Table 4a: GPS campaigns

[illegible]

Table 4a: GPS campaigns

[illegible]

Table 4a: GPS campaigns

[illegible]

Table 4b: Kilauea Campaigns

CODE	STATION	KI93	OCT93	NOV93COC	DEC93COC	JAN94COC	MAR94COC	APR94COC	JUL94KI	OCT94COC	DEC94COC	JAN95COC	MAR95COC	KI95	SEP95COC	FEB0195COC	FEB96COCA	FEB96COCB	APR96COC	KI96
1250	Mauka 1250								•											•
66YY	66YY Reset								•											•
69FL	69 Flow		•	•	•				•		•		•		•		•		•	
77FL	77 Flow								•											
931_	HVO93-1								•											
932_	HVO93-2								•											
ACRE	Hawaiian Acres								•											
AHUA	Ahua								•											
APUA	Apua Point								•											
BLDR	Boulder								•						•		•		•	
DEST	Desert												•		•		•		•	
FERN	Fern Forest								•											
GOAT	Goat																			
GOTE	Goat Reset		•		•		•		•				•		•		•		•	
HAKU	Hakuma								•											
HEIH	Heiheiahulu								•											
HIBC	Hi Beaches								•											
HILI	Hilina Pali		•	•	•		•		•				•		•		•		•	
HONL	Honolulu Landing																			
HP6_	HP6																			
HP7_	HP7								•											•
HULU	Puu Huluhulu																			
HVO7	Kapoho								•											
KA AH	Kaaha								•											
KAEN	Kaena Point		•		•		•		•		•		•		•		•		•	
KALA	Kalalua								•											
KALO	Kaloli								•											
KALR	Kalalua Reset																			
KAMK	Kamakaia								•											
KANE	Kane Nui																			
KAPA	Kapapala								•											
KAPU	Puu Kapukapu								•											
KAU_	Kau								•											
KEAM	Keamoku								•											
KEAU	Keaau																			
KMOA	Kamoamo								•											
KOAE	Koae Tilt				•		•		•				•		•		•		•	
KPAU	Kupapau								•											
KTRA	Kalapana Trail								•											

Table 4b: Kilauea Campaigns

CODE	STATION	K198	APR96COC	FEB96COC	FEB96COCA	SEP95COC	MAR95COC	DEC94COC	JUL94KI	MAR94COC	DEC93COC	OCT93	K198
KULN	Kulani Camp								•				
LAEP	Laeapuki								•				
LANI	Lanipuna								•				
LAVA	Lava Channel		•		•	•	•	•	•	•		•	
M801	BM80-1								•			•	
MALA	Malama Ki								•				
MANE	Mauka Kip Nene		•	•	•	•							
MANU	Lua Manu		•	•	•	•	•	•	•	•		•	
MKEA	Mauna Kea								•				
MLST	ML Strip		•		•	•	•		•		•	•	
MOAN	Moana Hauae					•	•		•				
MPOO	Makai Puu Oo								•				
MTVW	Mountain View								•		•		
MULU	Mauna Ulu								•				
NALI	Naliikakani								•				
NENE	Kipuka Nene		•	•					•	•	•	•	
NUIO	Kane Nui O Hamo								•				
PALI	Pali		•		•	•	•		•	•	•	•	
PANU	Panau								•				
PEPE	Pepeiau								•				
PILI	Puu Pili								•				
PKMO	Puu Kamoamoa								•				
PKOA	Puu Koa												
PMOO	Puu Moo								•				
PSTR	Pasture												
PULA	Pulama								•				
PULU	Puu Huluhulu Rese		•		•	•	•		•	•	•	•	
PWRL	Powerline								•	•		•	
RKAL	Kaloli ref												
RLYM	Lyman Ref.								•				
SAND	Sandhill		•		•	•	•	•	•	•	•	•	
STNB	Stainback								•				
ULAU	Puu Ulaula								•				
UWEK	Uwekahuna		•		•	•	•	•	•	•	•	•	
UWEV	Uwekahuna Vault				•	•						•	
V120	Upper Kau Road												
WNGR	Wung Ranch								•				

Table 4c: Mauna Loa Campaigns

CODE	STATION	MAR93	WMAR93	JUL94ML	SEP94ML	NOV94ML	MJAN95	WMAR95	ML95	JAN96ML	ML96	OCT96ML
1899	1899 cone	●					●		●		●	
133T	133 Tilt	●									●	
49FL	49 Flow	●									●	
51FL	1851 Flow	●					●				●	
75FL	75 Flow	●									●	
AHUM	Ahumoa	●	●									
AIN2	Ainapo2	●			●				●		●	
AINA	Ainapo Trail	●		●					●		●	
AKLA	Kipuka Akala	●				●				●		
ALEA	Alea	●									●	
BLDR	Boulder	●	●	●					●			
BRSH	Brush	●					●				●	
CRAK	Crack	●										
ELEK	Eleiki	●							●		●	
ELEL	Eleele	●									●	
ELER	Eleele Reset	●									●	
ENDR	MLS End of road	●									●	
HINA	Pohina	●								●		
HONO	Honokua Flow	●	●									
HP6_	HP6	●	●									
HP7_	HP7	●	●	●	●				●		●	
KALK	Kaloko	●						●				
KAPA	Kapapala	●	●					●				
KEAL	Kealia	●	●					●				
KEAM	Keamoku	●										
KEEI	Keei	●	●					●				
KFAS	Kaoiki	●							●		●	
KFLT	Keakapulu Flats	●										
KNKI	Kanekii	●	●					●				
KOLI	Puu Koli	●										
KONA	HVO88-11	●	●									
KRCN	Kealakekua Ranch	●	●									
KULN	Kulani Camp	●		●							●	
KULU	Kulua	●					●		●		●	
LACY	Lacy	●		●							●	
LKAO	Lower Kahoe	●					●				●	
LUAK	Lua Kalupenui	●										
MILO	Milolii	●	●									
MKEA	Mauna Kea	●			●		●	●	●		●	
ML1_	ML1	●							●		●	

Table 4c: Mauna Loa Campaigns

CODE	STATION	ML93	WML93	ML94ML	SEP94ML	NOV94ML	MLJAN95	WML95	ML95	JAN96ML	ML96	ML96ML
ML8_	ML8	●		●			●		●		●	●
MLCE	MLS Cabin East	●		●					●		●	●
MLO_	Mauna Loa Observatory	●		●	●		●		●		●	●
MLST	ML Strip	●		●	●		●		●		●	●
MLSW	SW MLS	●			●						●	
MOAU	Moaula	●										
MOKU	Poomoku	●		●					●		●	
NAAL	Naalehu	●										
NWML	NM MLS	●			●				●		●	●
P103	Pole 103	●							●		●	
PLUU	Punaluu Gulch	●				●						
POHO	Puu Ohohia	●										
POUO	Puu O'uo	●					●				●	
PWRL	Powerline	●							●		●	
REDC	Makai Red Cone	●					●		●		●	
UWEK	Uwekahuna	●		●		●						
V134	HVO134	●									●	●
VENT	Vent	●		●							●	●
VO92	HVO92	●		●					●		●	●
VO93	HVO93	●		●					●		●	●
WAIH	Waihaka Gulch	●										
WMLS	West MLS	●			●				●		●	
YEHP	Yee Hop	●	●									

Table 4d: Rapid Static Campaigns

	Kilauea Summit						Pu'u 'O'o					
CODE	STATION	FEB95KI_RS	MAR95KI_RS	MAR95KI_RS	OCT95KI_RS		CODE	STATION	JAN95PUO_RS	SEP95PUO_RS	PUO296_RS	JUL96PUO_RS
92YY	92YY	●	●	●	●		MPOO	Makai Puu Oo	●	●	●	●
ESCP	Escape Road	●	●	●	●		PKMO	Puu Kamoamoa	●	●	●	●
KMCR	KMC	●	●	●	●		PTTM	Puu 'Oo Cone	●	●	●	●
KNKK	Keanakakoi	●	●	●	●		PUO1	Puu Oo 1	●	●	●	●
PALI	Pali	●	●	●	●		PUO2	Puu Oo 2	●	●	●	●
SAND	Sandhill	●	●	●	●		PUO3	Puu Oo 3	●	●	●	●
UWEK	Uwekahuna	●	●	●	●		PUO4	Puu Oo 4	●	●	●	●
V118	HVO118	●	●	●	●		PUO5	Puu Oo 5	●	●	●	●
VO34	New Explosion Debris	●	●	●	●		UWEK	Uwekahuna	●	●	●	●
	Lower East Rift											
CODE	STATION	SEP95LER_RS	LERJAN96_RS	LERJAN96_RS								
66YY	66YY Reset	●	●	●								
76YY	76YY	●	●	●								
HIBC	Hi Beaches	●	●	●								
HONL	Honolulu Landing	●	●	●								
HVO7	Kapoho	●	●	●								
KAMA	Kamalii	●	●	●								
LANI	Lanipuna	●	●	●								
LEIL	Leilani	●	●	●								
MALA	Malama Ki	●	●	●								
MOAN	Moana Hauae	●	●	●								
NANA	Nanawale	●	●	●								
NKAP	HVO 86-40	●	●	●								
PAHO	HVO 86-1	●	●	●								
PIKI	Pohoiki	●	●	●								
RSKP	South Kapoho Reset	●	●	●								
SKAP	HVO 86-33	●	●	●								
UHEX	UH Experiment Farm	●	●	●								
UWEV	Uwekahuna Vault	●	●	●								
V207	HVO 207	●	●	●								
WKAP	153YY	●	●	●								

Table 5a:1993 Sessions

J. Day (UTC)	Date (UTC)	Code	Station Name	Start time	Stop time	Antenna ht	R	Optical Dig raw/rnx	Comments	Campaign
222	8/10/93	HULU	Puu Huluhulu	02:21	03:00	0.9680	SSE	rnx		ki93
222		KOAE	Koae Tilt	02:43	03:00	1.4970	SST	rnx		ki93
222		MLST	ML Strip	02:00	03:00	1.2100	SSE	rnx		ki93
222		PALI	Pali	02:20	03:00	1.0520	SSE	rnx		ki93
222		UWEK	Uwekahuna	21:55	09:53	1.3850	SSE	raw/rnx	missing log sheet	ki93
223	8/11/93	FERN	Fern Forest	23:02	03:00	1.3770	ASH	raw/rnx		ki93
223		HILI	Hilina Pali	03:38	02:59	0.9665	SSE	raw/rnx	wrong height in data file (0.969)	ki93
223		HULU	Puu Huluhulu	03:00	02:59	0.9680	SSE	raw/rnx		ki93
223		KAPA	Kapapala	20:42	02:59	0.9120	SSE	raw/rnx		ki93
223		KOAE	Koae Tilt	03:00	02:59	1.4970	SST	raw/rnx		ki93
223		KULN	Kulani Camp	03:12	02:59	1.1260	SSE	raw/rnx		ki93
223		MLST	ML Strip	03:00	01:11	1.2100	SSE	raw/rnx		ki93
223		NENE	Kipuka Nene	03:35	17:40	0.8290	ASH	raw/rnx	misnamed KNEN	ki93
223		PALI	Pali	03:00	02:59	1.0520	SSE	raw/rnx		ki93
223		SAND	Sandhill	04:06	02:59	1.0930	ASH	raw/rnx	stop time uncertain	ki93
223		STNB	Stainback	04:21	18:13	1.1290	SST	raw/rnx		ki93
223		UWEK	Uwekahuna	03:00	02:59		ASH	raw/rnx	day225 file includes 223-225, missing log sheet	ki93
224	8/12/93	FERN	Fern Forest	19:10	03:00	1.6460	ASH	raw/rnx		ki93
224		HILI	Hilina Pali	03:38	02:59	0.9665	SSE	raw/rnx	wrong height in data file (0.969)	ki93
224		HULU	Puu Huluhulu	03:00	02:59	0.9680	SSE	raw/rnx		ki93
224		KAPA	Kapapala	03:00	22:43	0.9120	SSE	raw	unexplained stop and restart	ki93
224		KAPA	Kapapala	23:13	02:59	0.9120	SSE	raw/rnx		ki93
224		KOAE	Koae Tilt	03:00	01:37	1.4970	SST	raw/rnx		ki93
224		KULN	Kulani Camp	03:00	01:59	1.1260	SSE	raw/rnx		ki93
224		RLYM	Ref Lyman	18:49	03:00	1.5810		raw	missing log sheet; misnamed LYM2	ki93
224		MLST	ML Strip	18:35	01:45	1.0600	SSE	raw/rnx		ki93
224		PALI	Pali	03:00	02:59	1.0520	SSE	raw/rnx		ki93
224		SAND	Sandhill	04:23	18:23	1.0220	ASH	raw/rnx	check start time	ki93
224		STNB	Stainback	03:55	17:00	1.2340	SST	raw/rnx		ki93
224		UWEK	Uwekahuna	03:00	09:54	1.3430	ASH	raw/rnx	day225 file includes 223-225	ki93
224		WNGR	Wung Ranch	19:10	03:00	1.4730	SST	raw/rnx		ki93
225	8/13/93	1250	Mauka 1250	18:23	02:59	1.0580	ASH	raw/rnx	day227 file includes 225-227	ki93
225		APUA	Apua Point	21:34	02:59	1.1500	SSE	raw/rnx		ki93

Table 5a:1993 Sessions

J. Day (UTC)	Date (UTC)	Code	Station Name	Start time	Stop time	Antenna ht	R	ptical Dis	Comments	Campaign
225		HILI	Hilina Pali	03:00	18:26	0.9665	SSE	raw/mx		
225		HILI	Hilina Pali	19:15	02:59	0.9665	SSE	raw/mx	wrong height in data file (0.969)	ki93
225		HULU	Puu Huluhulu	03:00	03:55	0.9680	SSE	raw/mx	wrong height in data file (0.971)	ki93
225		KAHA	Kaaha	21:13	02:59	0.8900	SSE	raw/mx		ki93
225		KAEN	Kaena Point	23:51	02:59	0.9440	SST	raw/mx		ki93
225		KAMK	Kamakaia	19:12	02:59	0.9600	SSE	raw/mx	at p/up, antenna loose - bad data	ki93
225		KAPA	Kapapala	03:00	02:59	0.9120	SSE	raw/mx		ki93
225		KAPU	Puu Kapukapu	21:28	02:59	0.9560	SSE	raw/mx		ki93
225		NALI	Naliikakani	20:22	02:59	1.0530	SST	raw/mx		ki93
225		PEPE	Pepeiau	21:41	02:59	0.9440	SST	raw/mx		ki93
225		ULAU	Puu Ulaula	19:29	02:59	1.1160	SSE	raw/mx	at p/up, off center 2mm to N; ht 0.0 in dat file	ki93
225		UWEK	Uwekahuna	03:00	02:59	1.3430	ASH	raw/mx	day225 file includes 223-225	ki93
226	8/14/93	1250	Mauka 1250	03:00	02:59	1.0580	ASH	raw/mx	day227 file includes 225-227	ki93
226		HILI	Hilina Pali	03:00	02:59	0.9665	SSE	raw/mx	wrong height in data file (0.971)	ki93
226		KAHA	Kaaha	00:04	02:59	0.8900	SSE	raw/mx		ki93
226		KAEN	Kaena Point	03:00	02:59	0.9430	SST	raw/mx		ki93
226		KAMK	Kamakaia	23:40	02:59	0.9600	SSE	raw/mx	height 0.0 in dat file; antenna loose at pickup	ki93
226		KAPA	Kapapala	03:00	02:59	0.9120	SSE	raw/mx		ki93
226		KAPU	Puu Kapukapu	11:00	04:00	0.9560	SSE	raw/mx		ki93
226		NALI	Naliikakani	11:01	02:59	1.0530	SST	raw/mx		ki93
226		PEPE	Pepeiau	23:32	02:59	0.9440	SST	raw/mx		ki93
226		ULAU	Puu Ulaula	23:13	02:59	1.1160	SSE	raw/mx	at p/up, off center 2mm to N; height 0.0 in dat	ki93
227	8/15/93	1250	Mauka 1250	03:00	20:17	1.0580	ASH	raw/mx	day227 file includes 225-227	ki93
227		APUA	Apua Point	00:26	02:59	1.1500	SSE	raw/mx		ki93
227		APUA	Apua Point	03:00	03:54	1.1500	SSE	raw/mx		ki93
227		HILI	Hilina Pali	03:00	19:46	0.9665	SSE	raw/mx	wrong height in data file (0.971)	ki93
227		KAHA	Kaaha	03:00	21:53	0.8900	SSE	raw/mx		ki93
227		KAEN	Kaena Point	03:00	02:59	0.9430	SST	raw/mx		ki93
227		KAMK	Kamakaia	03:00	18:49	0.9600	SSE	raw/mx	at p/up, antenna loose - possibly bad data	ki93
227		KAPA	Kapapala	03:00	17:39	0.9120	SSE	raw/mx		ki93
227		KAPU	Puu Kapukapu	11:00	17:49	0.9560	SSE	raw/mx		ki93
227		M801	BM80-1	20:21	02:59	0.8080	ASH	raw/mx	misnamed BM80	ki93
227		NALI	Naliikakani	11:00	19:53	1.0530	SST	raw/mx		ki93
227		PANU	Panau	19:28	21:29	0.8590	SSE	raw/mx	height 0.0 in dat file	ki93

Table 5a:1993 Sessions

J. Day (UTC)	Date (UTC)	Code	Station Name	Start time	Stop time	Antenna ht	R	Optical Dis raw/rnx	Comments	Campaign
227		PEPE	Pepelau	01:59	02:59	0.9440	SST	raw/rnx		ki93
227		PEPE	Pepelau	03:00	19:04	0.9440	SST	raw/rnx		ki93
227		ULAU	Puu Ulaula	03:00	19:29	1.1160	SSE	raw/rnx	at p/up, off center 2mm to N	ki93
227		MTVW	Mountain View	21:50	02:59	1.5000	SST	raw/rnx	misnamed VIEW	ki93
227		WNGR	Wung Ranch	21:12	02:59	1.2500	SSE	raw/rnx		ki93
228	8/16/93	66YY	66yy Reset	21:23	02:59	1.1640	SSE	raw/rnx		ki93
228		KAEN	Kaena Point	21:38	02:59	0.8775	SSE	raw/rnx		ki93
228		KMOA	Kamoamo	21:46	02:59	1.2060	SSE	raw/rnx		ki93
228		LAEP	Laeapuki	22:56	03:30	1.2320	SSE	raw/rnx		ki93
228		M801	BM80-1	22:18	02:59	1.4460	SSE	raw/rnx		ki93
228		MOAN	Moana Hauae	22:05	02:59	0.9200	SSE	raw/rnx		ki93
228		UWEK	Uwekahuna	21:21	02:59	1.4200	SSE	raw/rnx		ki93
229	8/17/93	ACRE	Hawaiian Acres	20:46	02:59	0.9800	ASH	raw/rnx		ki93
229		BLDR	Boulder	19:34	02:59	1.2480	SSE	raw/rnx		ki93
229		HIBC	Hi Beaches	20:24	02:59	1.5800	SST	raw/rnx		ki93
229		HP6_	HP6	21:28	02:59	1.6430	SSE	raw/rnx	misnamed HP06	ki93
229		KAEN	Kaena Point	04:05	02:59	0.8775	SSE	raw/rnx		ki93
229		HVO7	Kapoho	20:34	02:48	0.9000	SSE	raw/rnx	misnamed KAPO	ki93
229		KEAU	Kaau	21:09	02:59	1.5960	SST	raw/rnx		ki93
229		M801	BM80-1	03:00	04:22	1.4460	SSE	raw/rnx		ki93
229		MKEA	Mauna Kea	21:54	02:59	1.0530	SSE	raw/rnx		ki93
229		RLYM	Ref Lyman	20:36	02:59	1.2040	SSE	raw/rnx	misnamed GLYM	ki93
229		UWEK	Uwekahuna	03:00	02:59	1.4200	SSE	raw/rnx		ki93
230	8/18/93	66YY	66yy Reset	20:08	02:59	1.2570	SSE	raw/rnx		ki93
230		BLDR	Boulder	03:00	02:59	1.2480	SSE	raw/rnx		ki93
230		HIBC	Hi Beaches	19:16	02:57	1.7150	SST	raw/rnx		ki93
230		HP6_	HP 6	03:00	00:49	1.6430	SSE	raw/rnx	misnamed HP06	ki93
230		KAEN	Kaena Point	03:00	02:59	0.8775	SSE	raw/rnx		ki93
230		KEAU	Kaau	17:44	02:59	1.6200	SST	raw/rnx		ki93
230		LANI	Lanipuna	18:52	02:59	1.2610	ASH	raw/rnx		ki93
230		MKEA	Mauna Kea	03:00	02:59	1.0530	SSE	raw/rnx		ki93
230		MOAN	Moana Hauae	19:47	02:59	0.9220	SSE	raw/rnx		ki93
230		RLYM	Lyman Ref.	19:00	02:59	1.2580	SSE	raw/rnx	misnamed LYM2	ki93

Table 5a:1993 Sessions

J. Day (UTC)	Date (UTC)	Code	Station Name	Start time	Stop time	Antenna ht	R	ptical Dis	Comments	Campaign
230		STNB	Stainback	04:12	18:09	1.1320	SST?	raw/mx		ki93
230		UWEK	Uwekahuna	03:00	02:37	1.4200	SSE	raw/mx		ki93
231	8/19/93	66YY	66yy Reset	19:09	02:59	1.1850	SST	raw/mx		ki93
231		77FL	77 Flow	19:21	02:59	1.3180	ASH	raw/mx		ki93
231		932_	HVO93-2	19:27	16:59	1.3460	SST	raw/mx	misnamed 9302	ki93
231		931_	HVO93-1	20:49	02:59	1.2420	SSE	raw/mx		ki93
231		HAKU	Hakuma	19:07	04:00	1.1540	SSE	raw/mx		ki93
231		HEIH	Heiheiiahulu	19:06	02:59	1.3900	SSE	raw/mx	rinex height	ki93
231		KAEN	Kaena Point	03:00	21:30	0.8775	SSE	raw/mx		ki93
231		KALA	Kalalua	18:36	02:59	1.2580	SSE	raw/mx	slant height to top of pipe	ki93
231		MKEA	Mauna Kea	03:00	02:59	1.0530	SSE	raw/mx		ki93
231		PULA	Pulama	20:58	02:59	1.2280	SST	raw/mx		ki93
231		UWEK	Uwekahuna	03:00	17:08	1.4200	SSE	raw/mx		ki93
231		UWEK	Uwekahuna	17:27	02:59	1.4190	SSE	raw/mx		ki93
232	8/20/93	77FL	77 Flow	20:21	02:59	1.4195	ASH	raw/mx		ki93
232		932_	HVO93-2	17:00	02:59	1.3460	SST	raw/mx	misnamed 9302; day232 and 233 in 232 files	ki93
232		931_	HVO93-1	11:00	02:59	1.2420	SSE	raw/mx		ki93
232		HAKU	Hakuma	11:00	04:00	1.1540	SSE	raw/mx		ki93
232		HEIH	Heiheiiahulu	11:00	02:59	1.3900	SSE	raw/mx	rinex height	ki93
232		KAEN	Kaena Point	03:58	02:59	0.8775	SSE	raw/mx		ki93
232		KALA	Kalalua	07:00	02:59	1.2580	SSE	raw/mx	slant height to top of pipe	ki93
232		MALA	Malama Ki	19:20	02:59	1.2420	ASH	raw/mx		ki93
232		MKEA	Mauna Kea	03:00	20:43	1.0530	SSE	raw/mx		ki93
232		PULA	Pulama	11:01	02:59	1.2280	SST	raw/mx		ki93
232		UWEK	Uwekahuna	04:31	02:59	1.4190	SSE	raw/mx		ki93
232		MTVW	Mountain View	19:57	02:59	1.0860	SST	raw/mx	misnamed VIEW	ki93
233	8/21/93	932_	HVO93-2	03:00	16:58	1.3460	SST	raw/mx	misnamed 9302; day232 and 233 in 232 files	ki93
233		932_	HVO93-2	17:00	19:02	1.3460	SST	raw/mx	misnamed 9302	ki93
233		931_	HVO93-1	11:00	19:16	1.2420	SSE	raw/mx		ki93
233		GOAT	Goat	22:26	02:59	0.9630	SST	raw		ki93
233		HAKU	Hakuma	11:00	20:52	1.1540	SSE	raw/mx		ki93
233		HEIH	Heiheiiahulu	11:00	18:04	1.3900	SSE	raw/mx	rinex height	ki93
233		KAEN	Kaena Point	03:00	02:59	0.8775	SSE	raw/mx		ki93

Table 5a:1993 Sessions

J. Day (UTC)	Date (UTC)	Code	Station Name	Start time	Stop time	Antenna ht	R	optical Dig raw/rnx	Comments	Campaign
233		KALA	Kalalua	03:00	07:00	1.2580	SSE	raw/rnx	slant height to top of pipe	ki93
233		KALA	Kalalua	07:01	18:02	1.2580	SSE	raw/rnx	slant height to top of pipe	ki93
233		KANE	Kane Nui	20:04	02:59	1.0660	SSE	raw/rnx		ki93
233		KTRA	Kalapana Trail	19:16	02:59	0.9370	SSE	raw/rnx		ki93
233		MULU	Mauna Ulu	21:11	02:59	1.2720	SSE	raw/rnx		ki93
233		NENE	Kipuka Nene	04:21	18:39	1.1770	SST	raw/rnx		ki93
233		PANU	Panau	22:17	02:59	0.7680	SSE	raw/rnx		ki93
233		PKMO	Puu Kamoamo	18:52	02:59	0.8200	SSE	raw/rnx		ki93
233		PULA	Pulama	11:01	20:48	1.2280	SST	raw/rnx		ki93
233		UWEK	Uwekahuna	03:00	02:59	1.4190	SSE	raw/rnx		ki93
234	8/22/93	GOAT	Goat	11:01	02:59	0.9630	SST	raw/rnx		ki93
234		KAEN	Kaena Point	03:00	02:59	0.8775	SSE	raw/rnx		ki93
234		KANE	Kane Nui	11:00	02:59	1.0660	SSE	raw/rnx		ki93
234		KMOA	Kamoamo	18:49	02:45	0.8670	SSE	raw/rnx		ki93
234		KTRA	Kalapana Trail	11:00	02:59	0.9370	SSE	raw/rnx		ki93
234		MULU	Mauna Ulu	11:00	02:59	1.2720	SSE	raw/rnx		ki93
234		PANU	Panau	11:00	02:59	0.7680	SSE	raw/rnx		ki93
234		PKMO	Puu Kamoamo	11:00	02:59	0.8200	SSE	raw/rnx		ki93
234		UWEK	Uwekahuna	03:00	16:23	1.4190	SSE	raw/rnx		ki93
235	8/23/93	GOAT	Goat	11:01	19:16	0.9630	SST	raw/rnx		ki93
235		HILI	Hilina Pali	20:51	02:59	1.1000	SST	raw/rnx		ki93
235		KAEN	Kaena Point	03:00	18:13	0.8775	SSE	raw/rnx		ki93
235		KANE	Kane Nui	11:00	18:40	1.0660	SSE	raw/rnx		ki93
235		KAU	Kau	20:31	03:00	0.8670	SSE	raw/rnx	wrong ht in raw file (.8570), misnamed KAU1	ki93
235		KFLT	Keakapulu Flats	23:48	02:59	1.3490	SSE	raw/rnx		ml93
235		KAMK	Kamakaka	21:37	03:00	0.9980	SSE	raw	misnamed KTRA (later misnamed KAMA)	ki93
235		KTRA	Kalapana Trail	11:00	20:14	0.9370	SSE	rnx		ki93
235		MULU	Mauna Ulu	11:00	18:55	1.2720	SSE	raw/rnx		ki93
235		PANU	Panau	11:00	20:39	0.7680	SSE	raw/rnx		ki93
235		PILI	Puu Pili	22:15	03:00	0.7160	SSE	raw/rnx		ki93
235		PKMO	Puu Kamoamo	11:00	18:21	0.8200	SSE	raw/rnx		ki93
235		PMOO	Puu Moo	23:08	03:00	0.9220	SSE	raw/rnx	wrong ht in raw file (.9200)	ki93
235		UWEK	Uwekahuna	05:59	02:59	1.2440	SSE	raw/rnx		ki93;ml93

Table 5a:1993 Sessions

J. Day (UTC)	Date (UTC)	Code	Station Name	Start time	Stop time	Antenna ht	R	ptical Dis	Comments	Campaign
236	8/24/93	AINA	Ainapo Trail	03:00	02:59	1.1210	SST	raw/mx		
236		HILI	Hilina Pali	03:00	02:59	1.1000	SST	raw/mx		ml93
236		KAMK	Kamakala	11:00	03:00	0.9980	SSE	raw/mx	misnamed KAMA	ki93
236		KAU_	Kau	11:00	03:00	0.8670	SSE	raw/mx	wrong ht in raw file (.8570), misnamed KAU1	ml93
236		KFLT	Keakapulu Flats	03:00	00:37	1.3490	SSE	raw/mx		ki93
236		PILI	Puu Pili	11:00	03:00	0.7160	SSE	raw/mx		ki93
236		PMOO	Puu Moo	11:00	02:59	0.9220	SSE	raw/mx	wrong ht in raw file (.9200)	ki93
236		UWEK	Uwekahuna	03:00	02:59	1.2440	SSE	raw/mx		ki93;ml93
237	8/25/93	APUA	Apua Point	18:13	02:59	1.0520	SSE	raw/mx		ki93
237		HILI	Hilina Pali	03:01	15:22	1.1000	SST	raw/mx		ki93
237		KAEN	Kaena Point	19:16	02:59	0.9760	SSE	raw/mx		ki93
237		KAU_	Kau	11:00	17:38	0.8670	SSE	raw/mx	wrong ht in raw file (.8570), misnamed KAU1	ki93
237		KAMK	Kamakala	11:00	17:23	0.9980	SSE	raw	misnamed KTRA (later misnamed KAMA)	ki93
237		LAEP	Laeapuki	20:17	03:05	1.1100	SST	raw/mx		ki93
237		M801	BM80-1	20:51	03:00	0.9120	SSE	raw/mx		ki93
237		MANU	Lua Manu	20:19	03:00	1.1100	SST	raw/mx		ki93
237		MPOO	Makai Puu Oo	19:00	03:00	1.3380	SSE	raw/mx		ki93
237		NUJO	Kane Nui O Hamo	19:02	03:00	0.8800	SSE	raw/mx		ki93
237		PILI	Puu Pili	11:00	16:48	0.7160	SSE	raw/mx		ki93
237		PMOO	Puu Moo	11:00	17:06	0.9220	SSE	raw/mx	wrong ht in raw file (.9200)	ki93
237		UWEK	Uwekahuna	03:00	05:04	1.2440	SSE	raw/mx		ki93
237		UWEK	Uwekahuna	05:06	02:59	1.2440	SSE	raw		ki93
238	8/26/93	69FL	69 Flow	19:49	21:01	1.0120	SSE	raw/		ki93
238		APUA	Apua Point	11:00	21:25	1.0520	SSE	raw/mx		ki93
238		KAEN	Kaena Point	03:00	02:59	0.9760	SSE	raw/mx		ki93
238		LAVA	Lava Channel	03:44	19:12	1.0990	SSE	raw/mx		ki93
238		MANU	Lua Manu	11:00	20:01	1.1100	SST	raw/mx		ki93
238		MPOO	Makai Puu Oo	11:00	03:00	1.3380	SSE	raw/mx		ki93
238		NUJO	Kane Nui O Hamo	11:00	03:00	0.8800	SSE	raw/mx		ki93
238		UWEK	Uwekahuna	03:00	02:38	1.2440	SSE	raw/mx		ki93
239	8/27/93	69FL	69 Flow	03:00	21:01	1.0120	SSE	mx		ki93
239		KAEN	Kaena Point	03:00	20:27	0.9760	SSE	raw/mx		ki93
239		MPOO	Makai Puu Oo	11:00	22:35	1.3380	SSE	raw/mx		ki93

Table 5a:1993 Sessions

J. Day (UTC)	Date (UTC)	Code	Station Name	Start time	Stop time	Antenna ht	R	ptical Di raw/mx	Comments	Campaign
239		NUJO	Kane Nui O Hamo	11:00	22:54	0.8800	SSE	raw/mx		ki93
239		UWEK	Uwekahuna	03:13	22:26	1.2440	SSE	raw/mx		ki93
243	8/31/93	UWEK	Uwekahuna	00:00	23:59	1.3000	SSE	mx		ki93
243		PKOA	Puu Koae	01:57	23:59	0.9440	SSE	mx		ki93
244	9/1/93	AKLA	Kipuka Akala	00:00	21:41	0.9860	SSE	raw/mx		ml93
244		KAPA	Kapapala	00:00	23:59	1.1140	SSE	raw/mx		ml93
244		LUAK	Lua Kalupenui	00:00	23:59	0.9900	SSE	raw/mx		ml93
244		POHO	Puu Ohohia	00:00	23:59	0.9440	SSE	raw/mx		ml93
244		UWEK	Uwekahuna	00:00	23:59	1.3000	SSE	raw/mx		ki93,ml93
244		PKOA	Puu Koae	00:00	11:59	0.9440	SSE	mx		ki93
244		PKOA	Puu Koae	12:00	23:59	0.9440	SSE	mx		ki93
245	9/2/93	KAPA	Kapapala	00:00	23:59	1.1140	SSE	raw/mx		ml93
245		LUAK	Lua Kalupenui	00:00	22:33	0.9900	SSE	raw/mx		ml93
245		PLUU	Punaluu Gulch	02:24	23:59	0.9070	SSE	raw/mx		ml93
245		UWEK	Uwekahuna	00:00	23:59	1.3000	SSE	raw/mx		ml93
246	9/3/93	KAPA	Kapapala	00:00	20:19	1.1140	SSE	raw/mx		ml93
246		NAAL	Naalehu	00:00	23:59	1.0300	SSE	raw/mx		ml93
246		PLUU	Punaluu Gulch	00:00	21:11	0.9070	SSE	raw/mx		ml93
246		UWEK	Uwekahuna	00:00	22:18	1.3000	SSE	raw/mx		ml93
251	9/8/93	MLST	ML Strip Road			1.0140	SSE	mx		ml93
252	9/9/93	MLO	Mauna Loa Observatory	00:00	23:59	0.9510	SSE	raw/mx		ml93
252		MLST	ML Strip	03:00	23:59	1.0140	SSE	raw/mx		ml93
252		V134	HVO134	19:50	23:59	1.1380	SSE	raw/mx		ml93
252		VO92	HVO92	20:20	23:59	0.9400	SSE	raw/mx		ml93
252		VO93	HVO93	20:36	23:59	1.1360	SSE	raw/mx		ml93
253	9/10/93	ML1	ML1	00:00	18:47	1.0230	SSE	raw/mx		ml93
253		MLO	Mauna Loa Observatory	00:00	23:59	0.9510	SSE	raw/mx		ml93
253		MLST	ML Strip	00:00	23:59	1.0140	SSE	raw/mx		ml93
253		V134	HVO134	00:00	19:31	1.1380	SSE	raw/mx		ml93

Table 5a:1993 Sessions

J. Day (UTC)	Date (UTC)	Code	Station Name	Start time	Stop time	Antenna ht	R	ptical Di	Comments	Campaign
253		VO92	HVO92	00:00	19:57	0.9400	SSE	raw/rnx		ml93
253		VO93	HVO93	00:00	21:08	1.1360	SSE	raw/rnx		ml93
254	9/11/93	AIN2	Ainapo2	00:00	23:59	0.9180	SSE	raw/rnx		ml93
254		ELEK	Eleleki	00:00	18:58	0.9720	SSE	raw/rnx		ml93
254		ELEL	Eleele	00:00	23:59	0.8880	SSE	raw/rnx		ml93
254		MLO_	Mauna Loa Observatory	00:00	22:51	0.9510	SSE	raw/rnx		ml93
254		MLST	ML Strip	00:00	05:01	1.0140	SSE	raw/rnx		ml93
254		MOKU	Poomoku	00:00	20:11	1.1520	SSE	raw/rnx		ml93
254		VENT	Vent	20:00	07:00	0.9960	SSE	raw/rnx		ml93
254		133T	133 Tilt	20:16	07:00	1.0620	SSE	raw/rnx		ml93
254		MLCE	MLS Cabin East	21:02	07:00	1.1100	SSE	raw/rnx		ml93
254		ML1_	ML1	21:49	07:00	0.9940	SSE	raw/rnx		ml93
254		MLO_	Mauna Loa Observatory	22:55	07:00	0.9510	SSE	raw/rnx		ml93
254		ELEL	Eleele	00:00	23:59	0.8880	SSE	raw/rnx	actually started on day255	ml93
255	9/12/93	ELEL	Eleele	00:00	18:45	0.8880	SSE	raw/rnx	actually started on day256	ml93
255		133T	133 Tilt	19:00	07:00	1.0620	SSE	raw/rnx		ml93
255		ML1_	ML1	19:00	02:20	0.9940	SSE	rnx		ml93
255		MLCE	MLS Cabin	19:00	07:00	1.1100	SSE	raw/rnx		ml93
255		MLO_	Mauna Loa Observatory	19:00	07:00	0.9510	SSE	raw/rnx		ml93
255		VENT	Vent	19:00	07:00	0.9960	SSE	raw/rnx		ml93
256	9/13/93	75FL	75 Flow	20:39	18:59	1.0150	SSE	raw/rnx		ml93
256		MLSW	SW MLS	22:03	07:00	1.0860	SSE	raw/rnx		ml93
256		NWML	NM MLS	22:34	18:59	1.0160	SSE	raw/rnx		ml93
256		VENT	Vent	19:00	07:00	0.9960	SSE	raw/rnx		ml93
256		WMLS	West MLS	20:38	07:00	1.0450	SSE	raw/rnx	misnamed WEST	ml93
257	9/14/93	75FL	75 Flow	19:00	18:59	1.0150	SSE	raw/rnx		ml93
257		ML1_	ML1	19:00	18:59	0.9940	SSE	raw/rnx		ml93
257		MLSW	SW MLS	19:00	07:00	1.0860	SSE	raw/rnx		ml93
257		NWML	NW MLS	19:00	18:59	1.0160	SSE	raw/rnx		ml93
257		VENT	Vent	19:00	07:00	0.9960	SSE	raw/rnx		ml93
257		WMLS	West MLS	19:00	07:00	1.0450	SSE	raw/rnx	misnamed WEST	ml93

Table 5a:1993 Sessions

J. Day (UTC)	Date (UTC)	Code	Station Name	Start time	Stop time	Antenna ht	R	ptical Dis	Comments	Campaign
258	9/15/93	51FL	1851 Flow	21:00	20:50	0.9020	SSE	raw/rnx		
258		POUO	Puu O'uo	21:00	20:59	0.9100	SSE	raw/rnx		ml93
258		WMLS	Wes MLS	21:00	20:36	1.0450	SSE	raw/rnx	misnamed WEST	ml93
258		BRSH	Brush	22:48	20:59	0.9940	SSE	raw/rnx		ml93
258		1899	1899 cone	00:03	20:59	0.7980	SSE	raw/rnx	actually started on day 259	ml93
258		MLO_	Mauna Loa Observatory	01:04	20:59	0.9480	SSE	raw/rnx	actually started on day 259	ml93
259	9/16/93	1899	1899 Cone	21:00	18:02	0.7980	SSE	raw/rnx		ml93
259		BRSH	Brush	21:00	20:21	0.9940	SSE	raw/rnx		ml93
259		MLO_	Mauna Loa Observatory	21:00	20:59	0.9480	SSE	raw/rnx		ml93
260	9/17/93	BRSH	Brush	20:47	07:00	0.9940	SSE	raw/rnx		ml93
260		CRAK	Crack	19:05	07:00	0.8860	SSE	raw/rnx		ml93
260		KOLI	Puu Koli	19:18	07:00	0.8250	SSE	raw/rnx		ml93
260		LKAO	Lower Kahoe	20:22	07:00	0.9210	SSE	raw/rnx		ml93
260		MLO_	Mauna Loa Observatory	22:29	07:00	0.9480	SSE	raw/rnx		ml93
261	9/18/93	BRSH	Brush	19:00	07:00	0.9940	SSE	raw/rnx		ml93
261		CRAK	Crack	19:00	07:00	0.8860	SSE	raw/rnx		ml93
261		KOLI	Puu Koli	19:00	07:00	0.8250	SSE	raw/rnx		ml93
261		LKAO	Lower Kaohae	19:00	07:00	0.9210	SSE	raw/rnx		ml93
261		MKEA	Mauna Kea	19:00	07:00	0.7620	SSE	raw/rnx		ml93
261		MLO_	Mauna Loa Observatory	19:00	07:00	0.9480	SSE	raw/rnx		ml93
262	9/19/93	BRSH	Brush	19:00	07:00	0.9940	SSE	raw/rnx		ml93
262		CRAK	Crack	19:00	07:00	0.8860	SSE	raw/rnx		ml93
262		KOLI	Puu Koli	19:00	07:00	0.8250	SSE	raw/rnx		ml93
262		LKAO	Lower Kaohae	19:00	07:00	0.9210	SSE	raw/rnx		ml93
262		MKEA	Mauna kea	19:00	07:00	0.7620	SSE	raw/rnx		ml93
262		MLO_	Mauna Loa Observatory	19:00	07:00	0.9480	SSE	raw/rnx		ml93
263	9/20/93	BLDR	Boulder	21:07	02:36	1.0900	SSE	raw/rnx		ml93
263		MKEA	Mauna Kea	19:00	07:00	0.7620	SSE	raw/rnx		ml93
263		MLO_	Mauna Loa Observatory	19:00	07:00	0.9480	SSE	raw/rnx		ml93
263		P103	Pole 103	21:57	07:00	0.9720	SSE	raw/rnx		ml93
263		PSTR	Pasture	23:01	03:11	0.7300	SSE	raw/rnx		ml93

Table 5a:1993 Sessions

J. Day (UTC)	Date (UTC)	Code	Station Name	Start time	Stop time	Antenna ht	R	ptical Dis	Comments	Campaign
264	9/21/93	BLDR	Boulder	19:32	01:06	1.0790	SSE	raw/rnx		ml93
264		MKEA	Mauna Kea	19:00	22:58	0.7620	SSE	raw/rnx		ml93
264		MLO	Mauna Loa Observatory	19:00	22:00	0.9480	SSE	raw/rnx		ml93
264		P103	Pole 103	19:00	00:17	0.9720	SSE	raw/rnx		ml93
264		PSTR	Pasture	19:24	23:54	0.8020	SSE	raw/rnx		ml93
265	9/22/93	AINA	Ainapo Trail	20:15	18:59	0.9980	SSE	raw/rnx		ml93
265		KFAS	Kaoiki	20:17	18:59	0.9920	SSE	raw/rnx		ml93
265		MLST	Mauna Loa Strip	19:42	18:59	0.9430	SSE	raw/rnx		ml93
265		UWEK	Uwekahuna	20:01	18:58	1.1310	SSE	raw/rnx		ml93
266	9/23/93	AINA	Ainapo Trail	19:00	18:59	0.9980	SSE	raw/rnx		ml93
266		KEAM	Keamoku	20:05	18:59	0.9610	SSE	raw/rnx		ml93;ki93
266		KFAS	Kaoiki	19:00	18:59	0.9920	SSE	raw/rnx		ml93
266		LACY	Lacy	23:57	07:00	0.9610	SSE	raw/rnx		ml93
266		MLST	ML Strip	19:00	18:59	0.9430	SSE	raw/rnx		ml93
267	9/24/93	AINA	Ainapo Trail	19:00	18:59	0.9980	SSE	raw/rnx		ml93
267		KEAM	Keamoku	19:00	17:21	0.9610	SSE	raw/rnx		ml93;ki93
267		KFAS	Kaoiki	19:00	18:59	0.9920	SSE	raw/rnx		ml93
267		LACY	Lacy	19:00	07:00	0.9610	SSE	raw/rnx		ml93
267		MLST	ML Strip	19:00	18:59	0.9430	SSE	raw/rnx		ml93
267		UWEK	Uwekahuna	19:00	18:59	1.1360	SSE	raw/rnx		ml93
268	9/25/93	KULU	Kulua	20:55	18:59	1.0640	SSE	raw/rnx		ml93
268		LACY	Lacy	19:00	07:00	0.9610	SSE	raw/rnx		ml93
268		ML8	ML8	22:02	18:59	1.0000	SSE	raw/rnx		ml93
268		MLST	ML Strip	19:00	18:59	0.9430	SSE	raw/rnx		ml93
268		PWRL	Powerline	23:22	18:59	0.8180	SSE	raw/rnx		ml93
268		UWEK	Uwekahuna	19:00	18:59	1.1360	SSE	raw/rnx		ml93
269	9/26/93	KULU	Kulua	19:00	18:59	1.0640	SSE	raw/rnx		ml93
269		LACY	Lacy	19:00	07:00	0.9610	SSE	raw/rnx		ml93
269		ML8	ML8	19:00	18:59	1.0000	SSE	raw/rnx		ml93
269		MLST	ML Strip	21:48	18:59	0.9430	SSE	raw/rnx		ml93

Table 5a:1993 Sessions

J. Day (UTC)	Date (UTC)	Code	Station Name	Start time	Stop time	Antenna ht	R	ptical Dis raw/rnx	Comments	Campaign
269		PWRL	Powerline	19:00	18:59	0.8180	SSE	raw/rnx		ml93
269		UWEK	Uwekahuna	19:00	17:26	1.1360	SSE	raw/rnx		
										ml93
270	9/27/93	LACY	Lacy	19:00	07:00	0.9610	SSE	raw/rnx		ml93
270		MLST	ML Strip	19:00	18:59	0.9430	SSE	raw/rnx		ml93
270		PWRL	Powerline	19:00	00:30	8.1800	SSE	raw/rnx		ml93
280	10/7/93	GOAT	Goat	19:40	00:33	1.0500	SSE	raw		tie
280		GOTE	Goat Reset	01:56	04:00	0.9610	SSE	raw		tie
280		GOTE	Goat Reset	16:00	00:43	0.9610	SSE	raw		tie
280		PULU	Puu Huluhulu Reset	18:26	00:08	0.9240	SSE	raw		tie
280		HULU	Puu Huluhulu	18:50	00:22	0.9040	SSE	raw		tie
280		UWEK	Uwekahuna	21:22	01:20	1.4040	SSE	raw		
286	10/13/93	GOTE	Goat Reset	21:13	18:58	1.0290	SSE	raw/rnx		oct93coc
286		HILI	Hilina Pali	22:45	18:59	0.9720	SSE	raw/rnx		oct93coc
286		KAEN	Kaena Point	22:13	18:50	1.0340	SSE	raw/rnx		oct93coc
286		MANU	Lua Manu	23:11	18:59	1.1150	SSE	raw/rnx		oct93coc
286		PULU	Puu Huluhulu Reset	21:21	08:44	0.9020	SSE	raw/rnx		oct93coc
286		UWEK	Uwekahuna	20:27	18:59	1.2570	SSE	raw/rnx		oct93coc
287	10/14/93	GOTE	Goat Reset	19:00	18:58	1.0290	SSE	raw/rnx		oct93coc
287		LAVA	Lava Channel	18:50	14:17	1.0120	SSE	raw/rnx		oct93coc
287		MANU	Lua Manu	19:00	17:35	1.1150	SSE	raw/rnx		oct93coc
287		NENE	Kipuka Nene	20:48	18:59	1.0980	SSE	raw/rnx		oct93coc
287		UWEK	Uwekahuna	19:00	18:59	1.2570	SSE	raw/rnx		oct93coc
288	10/15/93	69FL	69 Flow	21:54	02:40	1.0520	SSE	raw/rnx		oct93coc
288		GOTE	Goat Reset	19:00	21:04	1.0290	SSE	raw		oct93coc
288		IM801	BM80-1	20:39	01:34	1.3520	SSE	raw/rnx		oct93coc
288		MLST	MI Strip	19:35	02:58	1.0200	SSE	raw/rnx		oct93coc
288		PALI	Pali	20:22	01:48	0.9990	SSE	raw/rnx		oct93coc
288		SAND	Sandhill	18:10	02:17	0.8590	SSE	raw/rnx		oct93coc
288		UWEK	Uwekahuna	19:00	02:36	1.0520	SSE	raw/rnx		oct93coc
291	10/18/93	AHUM	Ahumoa cone	20:17	01:51	0.9150	SSE	raw/rnx		wml93

Table 5a:1993 Sessions

J. Day (UTC)	Date (UTC)	Code	Station Name	Start time	Stop time	Antenna ht	R	ptical Di	Comments	Campaign
291		BLDR	Boulder	21:08	00:29	1.0550	SSE	raw/rnx		wml93
291		HP6_	HP6	21:15	01:30	1.3700	SSE	raw/rnx	tall trees to N, W, & E	wml93, offset
291		HP7_	HP7	20:36	03:00	0.9160	SSE	raw/rnx		wml93, offset
291		KEAL	Kealia	22:59	02:00	1.0280	SSE	raw/rnx		wml93
291		PSTR	Pasture	19:52	01:00	0.8410	SSE	raw/rnx		wml93
292	10/19/93	HP7_	HP7	18:00	03:00	0.9160	SSE	raw/rnx		wml93
292		KEAL	Kealia	18:00	00:20	1.0280	SSE	raw/rnx		wml93
292		KEEI	Keel	17:45	02:04	1.4320	SSE	raw/rnx	ht entered at 1.4320 s/b 1.4360 (changed in r	wml93
292		KONA	HVO88-11	19:05	01:07	1.5220	SSE	raw/rnx		wml93
292		YEHP	Yee Hop	21:42	03:00	0.9890	SSE	raw/rnx		wml93
293	10/20/93	HONO	Honokua Flow	19:30	01:28	1.3050	SSE	raw/rnx	heavy traffic area, slightly off mark/level	wml93
293		HP7_	HP7	18:00	03:00	0.9160	SSE	raw/rnx		wml93
293		KEEI	Keel	19:20	01:00	1.4440	SSE	raw/rnx		wml93
293		KNKI	Kanekii	20:08	01:02	1.0230	SSE	raw/rnx		wml93
293		YEHP	Yee Hop	18:00	03:00	0.9890	SSE	raw/rnx		wml93
294	10/21/93	HP7_	HP7	18:00	03:00	0.9160	SSE	raw/rnx		wml93
294		KEEI	Keel	19:14	00:18	1.5350	SSE	raw/rnx		wml93
294		KRCN	Kealakekua Ranch Ctr	18:53	01:00	1.0330	SSE	raw/rnx		wml93
294		MILO	Miloli	19:14	01:10	0.8950	SSE	raw/rnx		wml93
294		YEHP	Yee Hop	18:00	03:00	0.9890	SSE	raw/rnx		wml93
295	10/22/93	HP7_	HP7	18:00	00:21	0.9160	SSE	raw/rnx		wml93
295		KAPA	Kapapala	19:11	23:52	0.9970	SSE	raw/rnx		wml93
295		YEHP	Yee Hop	18:00	00:15	0.9890	SSE	raw/rnx		wml93
320	11/16/93	69FL	69 Flow	20:01	19:58	1.1380	SSE	raw/rnx		nov93coc
320		KOAE	Koae Tilt	21:30	19:43	0.9077	SSE	raw/rnx		nov93coc
320		LAVA	Lava Channel	03:50	21:59	0.8400	SSE	rnx		nov93coc
320		MLST	MI Strip	21:01	01:51	1.2420	SSE	raw/rnx		nov93coc
320		SAND	Sandhill	20:36	18:37	1.2987	SSE	raw/rnx		nov93coc
320		UWEK	Uwekahuna	20:00	19:59	1.2987	SSE	raw/rnx		nov93coc
321	11/17/93	KAEN	Kaena Point	21:28	19:58	1.0010	SSE	raw/rnx		nov93coc

Table 5a:1993 Sessions

J. Day (UTC)	Date (UTC)	Code	Station Name	Start time	Stop time	Antenna ht	R	ptical Di	Comments	Campaign
321		LAVA	Lava Channel	03:50	21:59	0.8400	SSE	raw/rnx		nov93coc
321		NENE	Kipuka Nene	20:34	19:13	1.3410	SSE	raw/rnx		nov93coc
321		UWEK	Uwekahuna	20:00	19:59	1.2987	SSE	raw/rnx		nov93coc
322	11/18/93	HILI	Hilina	20:39	03:00	1.0350	SSE	raw/rnx		nov93coc
322		STNB	Stainback	18:16	02:09	0.9080	SSE	raw/rnx		nov93coc
322		UWEK	Uwekahuna	20:00	19:59	1.2987	SSE	raw/rnx		nov93coc
349	12/15/93	HILI	Hilina Pali	11:00	22:00	1.0540	SSE	raw/rnx		dec93coc
349		KOAE	Koae Tilt	11:00	21:59	0.8913	SSE	raw/rnx		dec93coc
349		MLST	MI Strip	11:00	22:00	1.2023	SSE	raw/rnx		dec93coc
349		PULU	Puu Huluhulu	11:00	22:00	1.0100	SSE	raw/rnx		dec93coc
349		SAND	Sandhill	11:00	21:59	0.8520	SSE	raw/rnx		dec93coc
349		UWEK	Uwekahuna	11:00	22:00	1.3200	SSE	raw/rnx		dec93coc
350	12/16/93	KAEN	Kaena Point	11:00	22:00	1.0030	SSE	raw/rnx		dec93coc
350		LAVA	Lava Channel	11:00	21:59	0.8420	SSE	raw/rnx		dec93coc
350		MANU	Lua Manu	11:00	21:59	0.8400	SSE	raw/rnx		dec93coc
350		NENE	Kipuka Nene	11:00	22:00	1.1680	SSE	raw/rnx		dec93coc
350		MTVW	Mountain View	17:57	21:56	1.0570	SSE	raw/rnx	misnamed VIEW	dec93coc
351	12/17/93	69FL	69 Flow	11:00	21:59	0.9610	SSE	raw/rnx		dec93coc
351		GOTE	Goat Reset93	11:00	21:48	1.0005	SSE	raw/rnx		dec93coc
351		KAEN	Kaena Point	11:00	22:00	1.0030	SSE	raw/rnx		dec93coc
351		MANU	Lua Manu	11:00	21:59	0.8400	SSE	raw/rnx		dec93coc
351		PALI	Pali	11:00	22:00	0.9790	SSE	raw/rnx		dec93coc
355	12/21/93	MANU	Lua Manu	11:00	22:00	1.0770	SSE	raw/rnx		dec93coc
355		SAND	Sandhill	11:00	22:00	0.9940	SSE	raw/rnx		dec93coc
355		UWEK	Uwekahuna	11:00	21:59	1.3310	SSE	raw/rnx		dec93coc
356	12/22/93	HP6_	HP6	21:00	00:59		SSE	rnx	misnamed HP_6	offset
356		HP7_	HP7	21:00	00:59		SSE	rnx	misnamed HP_7	offset

Table 5b: 1994 Sessions

J. Day (UTC)	Date (UTC)	Code	Station Name	Start time	Stop time	Antenna ht	R	Optical Dis raw/rnx	Comments	Campaign
004		PULU	Puu Huluhulu Reset	19:39	10:59	0.9460	hvo5	raw/rnx		jan94coc
005	1/5/94	PULU	Puu Huluhulu Reset	11:00	04:30	0.9460	hvo5	raw/rnx		jan94coc
005		KTRA	Kalapana Trail	11:00	18:25	1.0660	hvo3	raw/rnx		jan94coc
005		MULU	Mauna Ulu	11:00	18:36	0.9960	hvo2	raw/rnx		jan94coc
005		NUJO	Kane Nui O Hamo	11:00	18:13	0.9200	hvo4	raw/rnx		jan94coc
005		PANU	Panau	11:00	18:53	0.7860	hvo1	raw/rnx		jan94coc
005		KMOA	Kamoamo	19:58	02:55	1.0440	hvo2	raw/rnx		jan94coc
005		932_	HVO93-2	20:00	03:00	1.0050	hvo4	raw/rnx		jan94coc
005		MPOO	Makai Pu'u O'o	20:00	03:59	0.9630	hvo1	raw/rnx		jan94coc
005		PKMO	Puu Kamoamo	20:00	03:00	1.0160	hvo3	raw/rnx		jan94coc
006	1/6/94	932_	HVO93-2	11:00	17:40	1.0050	hvo4	raw/rnx		jan94coc
006		KMOA	Kamoamo	11:00	18:40	1.0440	hvo2	raw/rnx		jan94coc
006		MPOO	Makai Pu'u O'o	11:00	18:16	0.9630	hvo1	raw/rnx		jan94coc
006		PKMO	Puu Kamoamo	11:00	17:21	1.0160	hvo3	raw/rnx		jan94coc
006		PULA	Pulama	18:46	02:15	0.8500	hvo1	raw/rnx		jan94coc
006		931_	HVO93-1	19:00	01:30	1.0690	hvo3	raw/rnx		jan94coc
006		HAKU	Hakuma	19:15	02:20	1.0940	hvo2	raw/rnx		jan94coc
006		HEIH	Heiheiahulu	19:20	01:44	1.2960	hvo4	raw/rnx	unclear how height measurement was taken	jan94coc
006		MOAN	Moana Hauae	19:27	01:25	1.0500	hvo5	raw/rnx		jan94coc
007	1/7/94	KAEN	Kaena	18:30	02:07	1.1160	hvo6	raw/rnx		jan94coc
009	1/9/94	KAEN	Kaena	18:00	17:58	1.1160	hvo6	raw/rnx		jan94coc
009		LAVA	Lava Channel	18:00	17:58	0.8820	hvo1	raw/rnx		jan94coc
009		MANU	Lua Manu	18:00	17:58	0.9220	hvo3	raw/rnx		jan94coc
009		MLST	ML Strip	18:00	17:58	1.0780	hvo5	raw/rnx		jan94coc
009		PULU	Puu Huluhulu Reset	18:00	17:58	0.9820	hvo2	raw/rnx		jan94coc
010	1/10/94	UWEK	Uwekahuna	06:27	18:54	1.3100	hvo6	raw/rnx		jan94coc
010		SAND	Sandhill	20:09	17:34	1.0260	hvo3	raw/rnx		jan94coc
010		KOAE	Koae Tilt	20:51	17:58	1.0350	hvo4	raw/rnx		jan94coc
010		GOTE	Goat Reset	21:39	17:59	0.9270	hvo2	raw/rnx		jan94coc
010		MLST	ML Strip	21:51	17:59	1.0770	hvo5	raw/rnx		jan94coc
010		PALI	Pali	22:29	17:58	0.8960	hvo1	raw/rnx		jan94coc

Table 5b: 1994 Sessions

J. Day (UTC)	Date (UTC)	Code	Station Name	Start time	Stop time	Antenna ht	R	Optical Dis	Comments	Campaign
011	1/11/94	GOTE	Goat Reset	18:00	17:59	0.9270	hvo2	raw/mx		jan94coc
011		HILI	Hilina Pali	00:25	17:59	0.9110	hvo6	raw/mx		jan94coc
011		HILI	Hilina Pali	18:00	06:00	0.9110	hvo6	raw/mx		jan94coc
011		KOAE	Koae Tilt	18:00	19:02	1.0350	hvo4	raw/mx		jan94coc
011		APUA	Apua Point	18:28	17:27	0.9810	hvo3	raw/mx		jan94coc
011		MLST	ML Strip	18:00	19:26	1.0770	hvo5	raw		jan94coc
011		PULU	Puu Huluhulu Reset	21:19	17:59	0.8540	hvo5	raw/mx		jan94coc
011		M801	BM80-1	21:51	01:21	1.0650	hvo1	raw/mx		jan94coc
011		KAEN	Kaena Point	22:59	17:15	1.1320	hvo4	raw/mx		jan94coc
012	1/12/94	GOTE	Goat Reset	18:00	10:21	0.9270	hvo2	raw/mx		jan94coc
012		HILI	Hilina Pali	20:26	12:39	0.9110	hvo6	raw/mx		jan94coc
012		KA AH	Kaaha	19:00	10:53	1.0980	hvo3	raw/mx		jan94coc
012		KAMK	Kamakala	19:18	17:58	1.0380	hvo1	raw/mx		jan94coc
012		KAPA	Kapapala	20:50	17:57	1.0510	hvo5	raw/mx		jan94coc
012		NALI	Nali	18:45	12:45	0.9860	hvo3	raw/mx		jan94coc
013	1/13/94	BLDR	Boulder	21:30	21:01	1.0200	hvo5	raw/mx		jan94coc
013		KULN	Kulani Camp	21:32	02:50	0.8730	hvo3	raw/mx	way off at p/up	jan94coc
013		MLST	ML Strip	21:46	20:59	0.8770	hvo1	raw/mx		jan94coc
013		PSTR	Pasture	22:06	03:34	0.5500	hvo5	raw/mx		jan94coc
013		PULU	Puu Huluhulu Reset	23:00	20:59	1.0100	hvo2	raw/mx		jan94coc
013		UWEK	Uwekahuna	21:00	20:58	1.1960	hvo4	raw/mx		jan94coc
014	1/14/94	MLST	ML Strip	21:00	21:49	0.8770	hvo1	raw/mx		jan94coc
014		PULU	Puu Huluhulu	21:00	20:59	1.0100	hvo2	raw/mx		jan94coc
014		UWEK	Uwekahuna	21:00	23:56	1.1960	hvo4	raw/mx		jan94coc
015	1/15/94	PULU	Puu Huluhulu	21:00	19:49	1.0100	hvo2	raw		jan94coc
068	3/9/94	KULN	Kulani Camp	20:49	02:59	1.3020	hvo3	rx	misnamed KULC	offset
068		KULC	Kulani Cone	21:26	02:59	1.2870	hvo3	rx	misnamed KULN	offset
069	3/10/94	KULN	Kulani Camp	03:00	20:44	1.3020	hvo3	rx	misnamed KULC	offset
069		KULC	Kulani Cone	03:00	20:44	1.2870	hvo3	rx	misnamed KULN	offset

Table 5b: 1994 Sessions

J. Day (UTC)	Date (UTC)	Code	Station Name	Start time	Stop time	Antenna ht	R	Optical Dis raw/rnx	Comments	Campaign
082	3/23/94	GOTE	Goat Reset	00:30	19:34	0.9870	hvo3	raw/mx		mar94coc
082		GOTE	Goat Reset	19:37	23:59	0.9870	hvo3	raw/mx		mar94coc
082		KAEN	Kaena Point	00:00	23:59	0.9650	hvo2	raw/mx		mar94coc
082		KOAE	Puu Koae	00:00	23:51	0.8740	hvo1	raw/rnx		mar94coc
082		LAVA	Lava Channel	00:00	23:59	0.9130	hvo6	raw/rnx		mar94coc
082		PULU	Puu Huluhulu Reset	00:00	23:58	0.8640	hvo4	raw/rnx		mar94coc
082		UWEK	Uwekahuna	00:00	23:59	1.3310	hvo5	raw/rnx		mar94coc
083	3/24/94	GOTE	Goat Reset	00:00	20:59	0.9870	hvo3	raw/mx		mar94coc
083		GOTE	Goat Reset	21:00	23:59	0.9870	hvo3	raw/rnx		mar94coc
083		KOAE	Puu Koae	00:30	23:58	0.8740	hvo1	raw/rnx		mar94coc
083		MANU	Lua Manu	04:13	23:58	0.8560	hvo4	raw/rnx		mar94coc
083		NENE	Kipuka Nene	02:59	23:58	0.9770	hvo2	raw/rnx		mar94coc
083		PALI	Pali	03:37	23:59	0.9320	hvo6	raw/rnx		mar94coc
083		UWEK	Uwekahuna	00:00	23:59	1.3310	hvo5	raw/rnx		mar94coc
084	3/25/94	GOTE	Goat Reset	00:00	20:59	0.9870	hvo3	raw/mx		mar94coc
084		GOTE	Goat Reset	21:00	23:59	0.9870	hvo3	raw/rnx		mar94coc
084		HILI	Hilina	01:31	23:59	0.9960	hvo2	raw/rnx		mar94coc
084		PALI	Pali	00:00	23:59	0.9320	hvo6	raw/rnx		mar94coc
084		PWRL	Powerline	02:46	23:58	0.8030	hvo4	raw/rnx		mar94coc
084		SAND	Sandhill	01:33	23:58	0.7980	hvo1	raw/rnx		mar94coc
084		UWEK	Uwekahuna	00:00	23:59	1.3310	hvo5	raw/rnx		mar94coc
110	4/20/94	GOTE	Goat Reset	02:23	23:59	1.0000	hvo5	raw/mx		apr94coc
110		KAEN	Kaena Point	01:00	23:52	0.8620	hvo3	raw/rnx		apr94coc
110		KOAE	Koae Tilt	00:00	23:59	0.9120	hvo2	raw/rnx		apr94coc
110		LAVA	Lava Channel	00:00	23:58	0.8810	hvo4	raw/rnx		apr94coc
110		UWEK	Uwekahuna	00:00	01:06	1.4350	hvo6	raw		apr94coc
110		UWEK	Uwekahuna	01:08	23:59	1.4350	hvo6	raw/rnx		apr94coc
111	4/21/94	GOTE	Goat Reset93	00:00	23:59	1.0000	hvo5	raw/rnx		apr94coc
111		KOAE	Koae Tilt	00:00	23:59	0.9120	hvo2	raw/rnx		apr94coc
111		MANU	Lua Manu	01:05	23:57	0.8560	hvo3	raw/rnx		apr94coc
111		SAND	Sandhill	02:10	23:58	0.8860	hvo4	raw/rnx		apr94coc

Table 5b: 1994 Sessions

J. Day (UTC)	Date (UTC)	Code	Station Name	Start time	Stop time	Antenna ht	R	Optical Dis	Comments	Campaign
111		UWEK	Uwekahuna	00:00	23:59	1.4350	hvo6	raw/rnx		apr94coc
112	4/22/94	GOTE	Goat Reset	00:00	23:59	1.0000	hvo5	raw/rnx		apr94coc
112		KOAE	Koae Tilt	00:00	23:59	0.9120	hvo2	raw/rnx		apr94coc
112		MLST	MI Strip	02:00	23:59	1.1528	hvo3	raw/rnx		apr94coc
112		PALI	Pali	00:47	23:58	0.8810	hvo4	raw/rnx		apr94coc
112		UWEK	Uwekahuna	00:00	23:59	1.4350	hvo6	raw/rnx		apr94coc
113	4/23/94	GOTE	Goat Reset	00:00	16:46	1.0000	hvo5	raw/rnx		apr94coc
113		KOAE	Koae Tilt	00:00	12:13	0.9120	hvo2	raw/rnx		apr94coc
113		MLST	MI Strip	00:00	18:29	1.1528	hvo3	raw/rnx		apr94coc
113		PALI	Pali	00:00	16:00	0.8810	hvo4	raw/rnx		apr94coc
113		UWEK	Uwekahuna	00:00	14:20	1.4350	hvo6	raw/rnx		apr94coc
118	4/28/94	PULU	Puu Huluhulu R.	19:52	02:20	1.0030	hvo3	raw/rnx		apr94coc
118		UWEK	Uwekahuna	19:18	02:27	1.2700	hvo2	raw/rnx		apr94coc
118		WNGR	Wung Ranch	19:40	01:40	1.1650	hvo4	raw/rnx	wrong height in data file	apr94coc
193	7/12/94	GOTE	Goat Reset	19:31	01:59	1.0410	hvo5	raw/rnx		jul94ki
193		LAVA	Lava Channel	19:46	01:59	1.0320	hvo2	raw/rnx	adapter not locked to tribrach, faulty mechanism	jul94ki
193		NENE	Kipuka Nene	18:47	01:59	0.9390	hvo1	raw/rnx		jul94ki
193		PALI	Pali	19:26	01:59	0.9800	hvo6	raw/rnx		jul94ki
193		PULU	Puu Huluhulu Reset	18:35	01:59	1.1380	hvo3	raw/rnx		jul94ki
193		UWEK	Uwekahuna	18:40	01:59	1.2780	hvo4	raw/rnx	trig flag up	jul94ki
194	7/13/94	GOTE	Goat Reset	02:00	01:59	1.0410	hvo5	raw/rnx		jul94ki
194		LAVA	Lava Channel	02:00	19:41	1.0320	hvo2	raw/rnx	antenna fell, reset	jul94ki
194		LAVA	Lava Channel	19:49	01:59	0.8790	hvo2	raw/rnx		jul94ki
194		NENE	Kipuka Nene	02:00	01:59	0.9390	hvo1	raw/rnx		jul94ki
194		PALI	Pali	02:00	01:17	0.9800	hvo6	raw/rnx		jul94ki
194		PULU	Puu Huluhulu Reset	02:00	01:59	1.1380	hvo3	raw/rnx		jul94ki
194		UWEK	Uwekahuna	02:00	01:59	1.2780	hvo4	raw/rnx	trig flag up	jul94ki
195	7/14/94	LAVA	Lava Channel	02:00	19:44	0.8790	hvo2	raw/rnx		jul94ki
195		NENE	Kipuka Nene	02:00	19:04	0.9390	hvo1	raw/rnx		jul94ki
195		PULU	Puu Huluhulu Reset	02:00	01:59	1.1380	hvo3	raw/rnx		jul94ki

Table 5b: 1994 Sessions

J. Day (UTC)	Date (UTC)	Code	Station Name	Start time	Stop time	Antenna ht	R	Optical Dis raw/mx	Comments	Campaign
195		UWEK	Uwekahuna	02:00	01:59	1.2780	hvo4	raw/mx	trig flag up	jul94ki
195		WNGR	Wung Ranch	17:59	02:06	1.5765	hvo5	raw/mx		jul94ki
195		MTVW	Mountain View	18:23	02:04	1.5500	hvo6	raw/mx	misnamed VIEW	jul94ki
195		MLST	ML Strip	22:59	01:59	1.1000	hvo1	raw/mx		jul94ki
195		PWRL	Powerline	23:49	01:59	0.9540	hvo2	raw/mx		jul94ki
196	7/15/94	MLST	ML Strip	02:00	01:59	1.1000	hvo1	raw/mx		jul94ki
196		PULU	Puu Huluhulu Reset	02:00	22:37	1.1380	hvo3	raw/mx		jul94ki
196		PWRL	Powerline	02:00	19:13	0.9540	hvo2	raw/mx	off level and center	jul94ki
196		PWRL	Powerline	19:22	01:59	0.9530	hvo2	raw/mx	about 1 mm off center at pickup	jul94ki
196		MTVW	Mountain View	18:06	02:00	1.0680	hvo6	raw/mx	misnamed VIEW	jul94ki
196		WNGR	Wung Ranch	18:08	02:03	1.6180	hvo5	raw/mx	moved slightly during session	jul94ki
197	7/16/94	MLST	ML Strip	02:00	17:34	1.1000	hvo1	raw/mx		jul94ki
197		PWRL	Powerline	02:00	17:14	0.9530	hvo2	raw/mx	about 1 mm off center at pickup	jul94ki
197		UWEK	Uwekahuna	02:53	01:59	1.2780	hvo4	raw/mx		jul94ki
197		PULU	Puu Huluhulu Reset	03:59	01:59	1.1380	hvo3	raw/mx		jul94ki
197		SAND	Sandhill	18:01	01:59	0.8310	hvo6	raw/mx		jul94ki
197		AHUA	Ahua	18:17	01:59	1.0580	hvo5	raw/mx		jul94ki
197		69FL	69 Flow	20:00	01:59	1.0140	hvo2	raw/mx	wrong height in data file (1.012)	jul94ki
197		MANU	Lua Manu	20:23	01:59	0.9280	hvo1	raw/mx		jul94ki
198	7/17/94	69FL	69 Flow	02:00	01:59	1.0140	hvo2	raw/mx	wrong height in data file (1.012)	jul94ki
198		AHUA	Ahua	02:00	01:59	1.0580	hvo5	raw/mx		jul94ki
198		MANU	Lua Manu	02:00	01:59	0.9280	hvo1	raw/mx		jul94ki
198		PULU	Puu Huluhulu Reset	02:00	01:59	1.1380	hvo3	raw/mx		jul94ki
198		SAND	Sandhill	02:00	01:59	0.8310	hvo6	raw/mx		jul94ki
198		UWEK	Uwekahuna	02:00	01:59	1.2780	hvo4	raw/mx		jul94ki
199	7/18/94	69FL	69 Flow	02:00	21:09	1.0140	hvo2	raw/mx	wrong height in data file (1.012)	jul94ki
199		AHUA	Ahua	02:00	19:33	1.0580	hvo5	raw/mx		jul94ki
199		MANU	Lua Manu	02:00	20:51	0.9280	hvo1	raw/mx		jul94ki
199		PULU	Puu Huluhulu Reset	02:00	01:59	1.1380	hvo3	raw/mx		jul94ki
199		SAND	Sandhill	02:00	18:59	0.8310	hvo6	raw/mx		jul94ki
199		UWEK	Uwekahuna	02:00	01:59	1.2780	hvo4	raw/mx		jul94ki
199		M801	BM80-1	17:32	02:03	1.0500	ST04	raw/mx		jul94ki

Table 5b: 1994 Sessions

J. Day (UTC)	Date (UTC)	Code	Station Name	Start time	Stop time	Antenna ht	R	Optical Dis	Comments	Campaign
199		KMOA	Kamoamo	18:00	02:00	1.3300	ST06	raw/rnx		
199		LAEP	Laeapuki	18:03	02:09	0.9450	ST07	raw/rnx		jul94ki
199		KAEN	Kaena Point	18:04	01:59	1.1900	ST08	raw/rnx	off level 3 grads S, 4 grads W, off center 1mm	jul94ki
200	7/19/94	KAEN	Kaena Point	02:00	01:59	1.1900	ST08	raw/rnx		jul94ki
200		PULU	Puu Huihulu Reset	02:00	20:18	1.1380	hvo3	raw/rnx		jul94ki
200		UWEK	Uwekahuna	03:03	01:59	1.2780	hvo4	raw/rnx		jul94ki
200		KMOA	Kamoamo	17:51	02:11	1.2590	ST07	raw/rnx		jul94ki
200		LAEP	Laeapuki	18:07	01:59	1.0180	ST06	raw/rnx		jul94ki
200		HAKU	Hakuma	18:58	01:59	1.1360	ST05	raw/rnx		jul94ki
200		77FL	77 Flow	19:04	01:59	0.9810	ST04	raw/rnx		jul94ki
200		HEIH	Heihei	19:32	01:59	1.2690	ST03	raw/rnx	rinex ht; wrong ht in file; antenna pointing S85E	jul94ki
200		KALA	Kalalua	20:21	01:59	0.9750	hvo2	raw/rnx	slant height to top of pipe	jul94ki
200		KPAU	Kupapau	20:31	01:59	1.3710	hvo1	raw/rnx	wrong height in data file (1.3737)	jul94ki
200		PULA	Pulama	20:38	01:59	0.7690	ST02	raw/rnx		jul94ki
200		931_	HVO93-1	20:48	01:59	1.0350	hvo5	raw/rnx		jul94ki
200		932_	HVO93-2	21:10	01:59	0.9890	ST01	raw/rnx	off center about 1 mm	jul94ki
200		PKMO	Puu Kamoamo	21:21	01:59	1.0840	hvo6	raw/rnx	wrong height in data file (1.087)	jul94ki
201	7/20/94	77FL	77 Flow	02:00	01:59	0.9810	ST04	raw/rnx		jul94ki
201		931_	HVO93-1	02:00	01:59	1.0350	hvo5	raw/rnx		jul94ki
201		932_	HVO93-2	02:00	01:59	0.9890	ST01	raw/rnx	off center about 1 mm	jul94ki
201		HAKU	Hakuma	02:00	01:59	1.1360	ST05	raw/rnx		jul94ki
201		HEIH	Heihei	02:00	01:59	1.2690	ST03	raw/rnx	rinex ht; wrong ht in file; antenna pointing S85E	jul94ki
201		KAEN	Kaena Point	02:00	01:59	1.1900	ST08	raw/rnx	off level 2 grads- off center 1mm N	jul94ki
201		KALA	Kalalua	02:00	01:59	0.9750	hvo2	raw/rnx	slant height to top of pipe	jul94ki
201		KPAU	Kupapau	02:00	01:59	1.3710	hvo1	raw/rnx	wrong height in data file (1.3737)	jul94ki
201		PKMO	Puu Kamoamo	02:00	01:59	1.0840	hvo6	raw/rnx	wrong height in data file (1.087)	jul94ki
201		PULA	Pulama	02:00	01:59	0.7690	ST02	raw/rnx		jul94ki
201		UWEK	Uwekahuna	02:00	17:55	1.2780	hvo4	raw/rnx		jul94ki
201		66YY	66yy	17:44	02:01	1.2010	ST06	raw/rnx		jul94ki
201		HVO7	Kapoho	17:55	02:00	1.0858	ST07	raw/rnx		jul94ki
201		MOAN	Moana Hauae	18:12	02:00	1.0650	hvo3	raw/rnx		jul94ki
202	7/21/94	KAPU	Kapukapu	00:25	01:59	0.6250	hvo6	raw/rnx		jul94ki
202		KAU_	Kau	00:33	01:59	0.9300	ST01	raw/rnx	off level on pickup	jul94ki

Table 5b: 1994 Sessions

J. Day (UTC)	Date (UTC)	Code	Station Name	Start time	Stop time	Antenna ht	R	Optical Dis	Comments	Campaign
202		77FL	77 Flow	02:00	14:07	0.9810	ST04	raw/rmx		Jul94ki
202		931_	HVO93-1	02:00	15:18	1.0350	hvo5	raw/rmx		Jul94ki
202		932_	HVO93-2	02:00	22:36	0.9890	ST01	raw/rmx		Jul94ki
202		HAKU	Hakuma	02:00	18:36	1.1360	ST05	raw/rmx		Jul94ki
202		HEIH	Heihei ahulu	02:00	18:36	1.2690	ST03	raw/rmx	rinex ht; wrong ht in file; antenna pointing S85E	Jul94ki
202		KAEN	Kaena Point	02:00	01:59	1.1900	ST08	raw/rmx		Jul94ki
202		KALA	Kalalua	02:00	12:34	0.9750	hvo2	raw/rmx	slant height to top of pipe	Jul94ki
202		KPAU	Kupapau	02:00	20:42	1.3710	hvo1	raw/rmx	wrong height in data file (1.3737)	Jul94ki
202		PKMO	Puu Kamoamo	02:00	22:24	1.0840	hvo6	raw/rmx	wrong height in data file (1.087)	Jul94ki
202		PULA	Pulama	02:00	20:36	0.7690	ST02	raw/rmx		Jul94ki
202		UWEK	Uwekahuna	02:00	01:59	1.2780	hvo4	raw/rmx		Jul94ki
202		HVO7	Kapoho	17:48	02:00	1.1130	ST06	raw/rmx		Jul94ki
202		MOAN	Moana Hauae	18:05	02:00	0.9240	ST07	raw/rmx		Jul94ki
202		66YY	66yy	19:20	02:00	1.0010	ST05	raw/rmx		Jul94ki
202		M801	BM 80-1	19:50	02:02	1.0470	ST04	raw/rmx		Jul94ki
202		MPOO	Makai Puu Oo	19:55	01:59	1.0580	hvo3	raw/rmx		Jul94ki
202		NUJO	Kane Nui o Hano	20:00	01:59	1.0810	ST03	raw/rmx	off level 5 grads	Jul94ki
202		KTRA	Kalapana Trail	22:02	01:59	0.8880	hvo2	raw/rmx		Jul94ki
202		PANU	Panau	22:07	01:59	0.9190	hvo1	raw/rmx		Jul94ki
202		MULU	Mauna Ulu	22:22	01:59	0.9340	ST02	raw/rmx	off level 3 grads-off center 1 mm	Jul94ki
202		APUA	Apua Point	23:52	01:59	0.9840	hvo5	raw/rmx		Jul94ki
203	7/22/94	APUA	Apua	02:00	01:59	0.9840	hvo5	raw/rmx		Jul94ki
203		KAEN	Kaena	02:00	17:40	1.1900	ST08	raw/rmx		Jul94ki
203		KAPU	Kapukapu	02:00	01:59	0.6250	hvo6	raw/rmx		Jul94ki
203		KAU_	Kau	02:00	01:59	0.9300	ST01	raw/rmx	off level on pickup	Jul94ki
203		KTRA	Kalapana Trail	02:00	01:59	0.8880	hvo2	raw/rmx		Jul94ki
203		MPOO	Makai Puu Oo	02:00	01:59	1.0580	hvo3	raw/rmx		Jul94ki
203		MULU	Mauna Ulu	02:00	01:59	0.9340	ST02	raw/rmx		Jul94ki
203		NUJO	Kane Nui o Hano	02:00	01:59	1.0810	ST03	raw/rmx		Jul94ki
203		PANU	Panau	02:00	01:59	0.9180	hvo1	raw/rmx		Jul94ki
203		UWEK	Uwekahuna	03:01	01:59	1.2780	hvo4	raw/rmx		Jul94ki
203		FERN	Fern Forest	17:30	02:01	1.5020	ST04	raw/rmx	wrong height in data file (1.5050)	Jul94ki
203		ACRE	Hawaiian Acres	18:00	02:00	1.1900	ST06	raw/rmx		Jul94ki
203		RLYM	Lyman2	18:11	02:00	1.4100	ST05	raw/rmx	misnamed LYM2	Jul94ki
203		HILI	Hilina	19:50	01:59	0.9410	ST08	raw/rmx		Jul94ki

Table 5b: 1994 Sessions

J. Day (UTC)	Date (UTC)	Code	Station Name	Start time	Stop time	Antenna ht	R	Optical Dis	Comments	Campaign
204	7/23/94	APUA	Apua Pt	02:00	19:31	0.9840	hvo5	raw/rnx		jul94ki
204		HILI	Hilina	02:00	01:59	0.9410	ST08	raw/rnx		jul94ki
204		KAPU	Kapukapu	02:00	21:29	0.6250	hvo6	raw/rnx		jul94ki
204		KAU_	Kau	02:00	21:09	0.9300	ST01	raw/rnx	off level on pickup	jul94ki
204		KTRA	Kalapana Trail	02:00	18:59	0.8880	hvo2	raw/rnx		jul94ki
204		MPOO	Makai Puu O'o	02:00	18:33	1.0580	hvo3	raw/rnx		jul94ki
204		MULU	Mauna Ulu	02:00	19:02	0.9340	ST02	raw/rnx		jul94ki
204		NUJO	Kane Nui o Hamo	02:00	18:46	1.0810	ST03	raw/rnx		jul94ki
204		PANU	Panau	02:00	18:23	0.9180	hvo1	raw/rnx		jul94ki
204		UWEK	Uwekahuna	02:00	01:59	1.2780	hvo4	raw/rnx		jul94ki
204		STNB	Stainback	03:07	11:49	1.3110	ST04	raw/rnx		jul94ki
204		LYM2	Lyman2	17:50	02:00	1.4650	ST05	raw/rnx		jul94ki
204		FERN	Fern Forest	18:00	02:00	1.2330	ST04	raw/rnx		jul94ki
204		ACRE	Hawaiian Acres	18:08	01:59	1.3070	ST06	raw/rnx		jul94ki
204		KALO	Kaloli	18:11	02:00	1.1760	ST07	raw/rnx	rinex height; wrong height in data file	jul94ki
204		PEPE	Pepeiao Cabin	20:22	01:59	1.0090	hvo5	raw/rnx		jul94ki
204		KAMK	Kamakai	20:46	01:59	1.1340	hvo1	raw/rnx		jul94ki
204		1250	Mauka 1250	21:24	01:59	1.1630	hvo3	raw/rnx		jul94ki
204		NALI	Nali	21:24	01:59	1.1560	ST02	raw/rnx	antenna pointing to 140 at p/u	jul94ki
204		PMOO	Puu Moo	22:16	01:59	1.0180	hvo2	raw/rnx		jul94ki
204		KAHA	Kaaha	22:37	01:59	1.2510	hvo6	raw/rnx	wrong height in data file (1.2530)	jul94ki
204		ULAU	Ulaula	22:45	01:59	1.3020	ST01	raw/rnx	off level by 2 grads	jul94ki
204		PILI	Puu Pili	22:50	01:59	0.6840	ST03	raw/rnx	totally off level on pickup	jul94ki
205	7/24/94	1250	Mauka 1250	02:00	01:59	1.1600	hvo3	raw/rnx		jul94ki
205		HILI	Hilina	02:00	01:59	0.9400	ST08	raw/rnx		jul94ki
205		KAHA	Kaaha	02:00	01:59	1.2500	hvo6	raw/rnx	wrong height in data file (1.2530)	jul94ki
205		KAMK	Kamakala	02:00	01:59	1.1300	hvo1	raw/rnx		jul94ki
205		NALI	Nali	02:00	01:59	1.1560	ST02	raw/rnx	antenna pointing to 140 at p/u	jul94ki
205		PEPE	Pepeiau	02:00	01:59	1.0100	hvo5	raw/rnx		jul94ki
205		PMOO	Puu Moo	02:00	01:59	1.0200	hvo2	raw/rnx		jul94ki
205		ULAU	Ulaula	02:00	01:59	1.3000	ST01	raw/rnx	off level by 2 grads	jul94ki
205		UWEK	Uwekahuna	02:00	01:59	1.2800	hvo4	raw/rnx		jul94ki
205		STNB	Stainback	03:05	12:33	1.2900	ST04	raw/rnx		jul94ki
205		GOTE	Goat Reset	18:20	01:59	0.9220	ST07	raw/rnx		jul94ki

Table 5b: 1994 Sessions

J. Day (UTC)	Date (UTC)	Code	Station Name	Start time	Stop time	Antenna ht	R	Optical Dis raw/mx	Comments	Campaign
205		KAPA	Kapapala	18:25	01:59	1.0780	ST05	raw/mx		jul94ki
205		KEAM	Kearmoku	19:08	01:59	0.9460	ST04	raw/mx		jul94ki
205		KOAE	Koae Tilt	22:56	01:59	1.0150	ST06	raw/mx		jul94ki
206	7/25/94	1250	Mauka 1250	02:00	20:55	1.1630	hvo3	raw/mx		jul94ki
206		GOTE	Goat Reset	02:00	01:59	0.9220	ST07	raw/mx		jul94ki
206		HILI	Hilina	02:00	01:59	0.9410	ST08	raw/mx		jul94ki
206		KAHA	Kaaha	02:00	18:20	1.2510	hvo6	raw/mx	wrong height in data file (1.2530)	jul94ki
206		KAMK	Karnakaia	02:00	18:41	1.1340	hvo1	raw/mx		jul94ki
206		KAPA	Kapapala	02:00	01:59	1.0780	ST05	raw/mx	off level by 3 grad W, 3 grad S	jul94ki
206		KEAM	Kearmoku	02:00	01:59	0.9460	ST04	raw/mx		jul94ki
206		KOAE	Koae Tilt	02:00	01:59	1.0150	ST06	raw/mx		jul94ki
206		NALI	Nali	02:00	22:54	1.1560	ST02	raw/mx	antenna pointing to 140 at p/u	jul94ki
206		PEPE	Pepelau	02:00	19:59	1.0090	hvo5	raw/mx		jul94ki
206		PMOO	Puu Moo	02:00	23:21	1.0180	hvo2	raw/mx		jul94ki
206		ULAU	Ulaula	02:00	00:08	1.3020	ST01	raw/mx		jul94ki
206		UWEK	Uwekahuna	02:00	18:31	1.2780	hvo4	raw/mx		jul94ki
206		UWEK	Uwekahuna	18:40	01:59	1.2780	hvo4	raw/mx		jul94ki
206		MLCE	MLS Cabin East	20:05	01:59	0.9820	hvo1	raw/mx		jul94ml
206		ML1_	ML1	20:55	01:59	0.9050	hvo6	raw/mx		jul94ml
206		KFAS	Kaoiki	21:59	01:59	1.3310	hvo3	raw/mx		jul94ml
206		AINA	Ainapo Trail	23:13	01:59	1.2750	hvo5	raw/mx		jul94ml
207	7/26/94	AINA	Ainapo Trail	02:00	01:59	1.2750	hvo5	raw/mx		jul94ml
207		KFAS	Kaoiki	02:00	15:09	1.3310	hvo3	raw/mx		jul94ml
207		KOAE	Koae Tilt	02:00	17:47	1.0150	ST06	raw/mx		jul94ki
207		ML1_	ML1	02:00	01:59	0.9050	hvo6	raw/mx		jul94ml
207		MLCE	MLS Cabin East	02:00	01:59	0.9820	hvo1	raw/mx	off level 2 grads S	jul94ml
207		BLDR	Boulder	17:35	01:59	0.9420	ST07	raw/mx	off level 2 grad W, 1 grad S; off center 1.5mm W	jul94ki;jul94ml
207		MLST	ML Strip	18:03	01:59	1.2930	ST08	raw/mx	off level 2 grads E	jul94ki
207		LAVA	Lava Channel	18:09	01:59	0.8330	ST04	raw/mx		jul94ki
207		UWEK	Uwekahuna	18:09	01:59	1.2870	hvo4	raw/mx		jul94ki
207		HP7_	HP7	18:17	01:59	0.7740	ST03	raw/mx	height, level, center way off at pickup	jul94ki;jul94ml
207		MLO_	MLO	18:27	01:59	1.1440	ST01	raw/mx		jul94ml
207		LACY	Lacy	19:12	01:59	0.9160	ST05	raw/mx	off level 2 grads S; off center by 1 mm	jul94ml
207		MKEA	Mauna Kea	19:50	01:59	0.7130	ST02	raw/mx		jul94ki;jul94ml

Table 5b: 1994 Sessions

J. Day (UTC)	Date (UTC)	Code	Station Name	Start time	Stop time	Antenna ht	R	Optical Dis raw/rnx	Comments	Campaign
208	7/27/94	AINA	Ainapo Trail	02:00	19:24	1.2750	hvo5	raw/rnx		
208		BLDR	Boulder	02:00	01:59	0.9420	ST07	raw/rnx	off level 2 grads S	jul94ml
208		KFAS	Kaoli	02:00	19:06	1.3310	hvo3	raw/rnx		jul94ml
208		KULN	Kulani Camp	02:00	01:59	1.1260	ST06	raw/rnx	slightly off level at pickup	jul94ki;jul94ml
208		LACY	Lacy	02:00	01:59	0.9160	ST05	raw/rnx	off level 2 grads S; off center by 1 mm	jul94ml
208		LAVA	Lava Channel	02:00	01:59	0.8330	ST04	raw/rnx		jul94ki
208		MKEA	Mauna Kea	02:00	01:59	0.7130	ST02	raw/rnx		jul94ki;jul94ml
208		ML1_	ML1	02:00	01:59	0.9050	hvo6	raw/rnx		jul94ml
208		MLCE	MLS Cabin East	02:00	21:19	0.9820	hvo1	raw/rnx		jul94ml
208		MLO	MLO	02:00	01:59	1.1440	ST01	raw/rnx		jul94ml
208		MLST	ML Strip	02:00	01:59	1.2930	ST08	raw/rnx	off level 2 grad W, 1 grad S; off center 1.5mm W	jul94ki;jul94ml
208		UWEK	Uwekahuna	02:00	01:59	1.2870	hvo4	raw/rnx		jul94ki
208		MOKU	Poomoku	19:05	01:59	1.1020	hvo2	raw/rnx		jul94ml
208		VO93	HVO93	20:51	01:59	1.3220	hvo3	raw/rnx		jul94ml
209	7/28/94	BLDR	Boulder	02:00	03:14	0.9420	ST07	raw/rnx		jul94ki
209		KULN	Kulani Camp	02:00	21:03	1.1260	ST06	raw/rnx	slightly off level at pickup	jul94ki
209		ML1_	ML1	02:00	01:59	0.9050	hvo6	raw/rnx		jul94ml
209		MLO_	MLO	02:00	01:59	1.1440	ST01	raw/rnx		jul94ml
209		MLST	ML Strip	02:00	01:59	1.2930	ST08	raw/rnx	off level 2 grad W, 1 grad S; off center 1.5mm W	jul94ml
209		MOKU	Poomoku	02:00	01:59	1.1020	hvo2	raw/rnx		jul94ml
209		UWEK	Uwekahuna	02:00	02:10	1.2870	hvo4	raw/rnx		jul94ki
209		VENT	Vent	02:00	14:00	1.0360	hvo5	raw/rnx		jul94ml
209		VO92	HVO92	02:00	18:00	1.0110	hvo1	raw/rnx		jul94ml
209		VO93	HVO93	02:00	01:59	1.3220	hvo3	raw/rnx		jul94ml
209		WNGR	Wung Ranch	17:49	02:02	1.6420	ST04	raw/rnx	off level 3 grads	jul94ki
209		LANI	Lanipuna	17:56	02:00	1.3640	ST07	raw/rnx	slightly off level	jul94ki
209		HIBC	Hawaiian Beaches	18:02	02:03	1.0980	ST03	raw/rnx		jul94ki
209		MALA	Malama Ki	18:33	02:00	1.1530	ST02	raw/rnx		jul94ki
209		KALO	Kaloli	20:54	02:01	1.0950	ST05	raw/rnx	rinex height; wrong height in data file	jul94ki
210	7/29/94	ML1_	ML1	02:00	14:30	0.9050	hvo6	raw/rnx		jul94ml
210		MLO_	MLO	02:00	20:02	1.1440	ST01	raw/rnx		jul94ml
210		MLST	ML Strip	02:00	20:46	1.2930	ST08	raw/rnx	off level 2 grad W, 1 grad S; off center 1.5mm W	jul94ml
210		MOKU	Poomoku	02:00	20:38	1.1020	hvo2	raw/rnx		jul94ml

Table 5b: 1994 Sessions

J. Day (UTC)	Date (UTC)	Code	Station Name	Start time	Stop time	Antenna ht	R	Optical Dis	Comments	Campaign
210		VENT	Vent	02:00	14:00	1.0360	hvo5	raw/rnx		jul94ml
210		VO92	HVO92	02:00	18:00	1.0110	hvo1	raw/rnx		jul94ml
210		VO93	HVO93	02:00	13:21	1.3220	hvo3	raw/rnx		jul94ml
210		UWEK	Uwekahuna	02:19	01:36	1.2870	hvo4	raw/rnx		jul94ml
266	9/23/94	AIN2	Ainapo2	20:07	23:59	0.9430	hvo1	raw/rnx		sep94ml
266		MLST	ML Strip	22:22	23:59	1.0530	hvo5	raw/rnx		sep94ml
266		NWML	NW MLS	18:04	23:59	0.9770	hvo4	raw/rnx		sep94ml
266		MLSW	SW MLS	20:37	23:59	1.0490	hvo2	raw/rnx	misnamed SWML	sep94ml
266		WMLS	West MLS	18:38	23:59	0.9940	hvo6	raw/rnx		sep94ml
267	9/24/94	AIN2	Ainapo2	00:00	23:59	0.9430	hvo1	raw/rnx		sep94ml
267		MLO	MLO	00:00	23:59	0.9640	hvo3	raw/rnx		sep94ml
267		MLST	ML Strip	00:00	23:59	1.0753	hvo5	raw/rnx		sep94ml
267		NWML	NW MLS	00:00	23:59	0.9770	hvo4	raw/rnx		sep94ml
267		MLSW	SW MLS	00:00	23:59	1.0490	hvo2	raw/rnx	misnamed SWML	sep94ml
267		WMLS	West MLS	00:00	23:59	0.9940	hvo6	raw/rnx		sep94ml
268	9/25/94	AIN2	Ainapo2	00:00	23:59	0.9430	hvo1	raw/rnx		sep94ml
268		MLO	MLO	00:00	23:59	0.9640	hvo3	raw/rnx		sep94ml
268		MLST	ML Strip	00:00	23:59	1.0753	hvo5	raw/rnx		sep94ml
268		NWML	NW MLS	00:00	23:59	1.0490	hvo2	raw/rnx		sep94ml
268		MLSW	SW MLS	00:00	23:59	0.9940	hvo6	raw/rnx	misnamed SWML	sep94ml
268		WMLS	West MLS	00:00	11:25	0.9770	hvo4	raw/rnx		sep94ml
269	9/26/94	AIN2	Ainapo2	00:00	18:12	0.9430	hvo1	raw/rnx		sep94ml
269		MLO	MLO	00:00	21:21	0.9640	hvo3	raw/rnx		sep94ml
269		MLST	ML Strip	00:00	23:59	1.0753	hvo5	raw/rnx		sep94ml
269		MLSW	SW MLS	00:00	18:36	1.0490	hvo2	raw/rnx	misnamed SWML	sep94ml
269		WMLS	West MLS	00:00	19:28	0.9440	hvo6	raw/rnx		sep94ml
269		MKEA	Mauna Kaa	21:50	23:59	0.8786	hvo4	raw/rnx		sep94ml
270	9/27/94	HP7	HP7	01:07	19:35	0.9670	hvo1	raw/rnx		sep94ml
270		MKEA	Mauna Kaa	00:00	23:59	0.8786	hvo4	raw/rnx		sep94ml
270		MLO	MLO	00:00	17:08	0.9640	hvo3	raw/rnx		sep94ml
270		MLST	ML Strip	00:00	16:56	1.0753	hvo5	raw/rnx		sep94ml

Table 5b: 1994 Sessions

J. Day (UTC)	Date (UTC)	Code	Station Name	Start time	Stop time	Antenna ht	R	Optical Dis raw/rnx	Comments	Campaign
271	9/28/94	MKEA	Mauna Kea	00:00	12:35	0.8786	hvo4	raw/rnx		sep94ml
278	10/5/94	HILI	Hiliina	00:06	23:24	0.9790	hvo3	raw/rnx		oct94coc
278		KAEN	Kaena Point	00:31	23:59	0.8680	hvo2	raw/rnx		oct94coc
278		LAVA	Lava Channel	00:00	04:51	0.8980	hvo4	raw/rnx		oct94coc
278		PALI	Pali	00:00	20:54	0.9447	hvo1	raw/rnx		oct94coc
278		SAND	Sandhill	00:00	08:52	0.7340	hvo6	raw/rnx		oct94coc
278		UWEK	Uwekahuna	00:00	23:59	1.4300	hvo5	raw/rnx		oct94coc
279	10/6/94	GOTE	Goat Reset 93	02:44	23:59	0.8273	hvo6	raw/rnx		oct94coc
279		KAEN	Kaena Point	00:00	13:40	0.8680	hvo2	raw/rnx		oct94coc
279		KOAE	Koae Tilt	00:52	23:58	0.8886	hvo4	raw/rnx		oct94coc
279		MLST	ML Strip	02:27	23:59	0.9260	hvo1	raw/rnx		oct94coc
279		PULU	Puu Huluhulu Reset	02:14	22:40	1.0030	hvo3	raw/rnx		oct94coc
279		UWEK	Uwekahuna	00:00	14:10	1.4300	hvo5	raw/rnx		oct94coc
280	10/7/94	69FL	69 Flow	00:00	12:24	1.1520	hvo2	raw/rnx		oct94coc
280		GOTE	Goat Reset93	00:00	22:00	0.8273	hvo6	raw/rnx		oct94coc
280		KOAE	Koae Tilt	00:00	22:28	0.8886	hvo4	raw/rnx		oct94coc
280		MANU	Lua Manu	00:00	21:23	0.966	hvo3	raw/rnx		oct94coc
280		MLST	ML Strip	00:00	21:27	0.9260	hvo1	raw/rnx		oct94coc
280		UWEK	Uwekahuna	00:00	21:28	1.4300	hvo5	raw/rnx		oct94coc
285	10/12/94	LAVA	Lava Channel	04:42	15:15	0.8546	hvo1	raw/rnx		oct94coc
285		UWEK	Uwekahuna	00:00	09:14	1.3810	hvo2	raw/rnx		oct94coc
326	11/22/94	ALKA	Kipuka Akala	00:00	23:59	0.9020	hvo2	raw/rnx		nov94ml
326		KAPA	Kapapala	00:00	23:59	1.0050	hvo6	raw/rnx	wrong height in data file (1.023)	nov94ml
326		PILI	Puu Pili	00:00	23:59	0.6450	hvo5	raw/rnx		nov94ml
326		PLUU	Punaluu Gulch	02:40	23:59	0.8380	hvo1	raw/rnx		nov94ml
326		UWEK	Uwekahuna	00:00	23:59	1.5940	hvo3	raw/rnx	slightly off level	nov94ml
327	11/23/94	ALKA	Kipuka Akala	00:00	23:59	0.9020	hvo2	raw/rnx		nov94ml
327		KAPA	Kapapala	00:00	04:26	1.0050	hvo6	raw/rnx	wrong height in data file (1.023)	nov94ml
327		PILI	Puu Pili	00:00	20:38	0.6450	hvo5	raw/rnx		nov94ml

Table 5b: 1994 Sessions

J. Day (UTC)	Date (UTC)	Code	Station Name	Start time	Stop time	Antenna ht	R	Optical Dis raw/rnx	Comments	Campaign
327		PLUU	Punaluu Gulch	00:00	23:59	0.8380	hvo1	raw/rnx		nov94ml
327		UWEK	Uwekahuna	00:00	23:59	1.5940	hvo3	raw/rnx	slightly off level	nov94ml
355	12/21/94	MANU	Lua Manu	00:00	02:33	0.9850	hvo1	rnx		dec94coc
355		KAEN	Kaena Point	00:00	20:32	1.0670	hvo2	rnx		dec94coc
355		LAVA	Lava Channel	00:00	23:59	0.9000	hvo4	rnx		dec94coc
355		SAND	Sandhill	00:00	23:59	0.8810	hvo3	rnx		dec94coc
355		UWEK	Uwekahuna	00:00	23:59	1.4210	hvo5	rnx		dec94coc
355		69FL	69 Flow	00:00	17:37	0.9640	hvo6	rnx		dec94coc
356	12/22/94	LAVA	Lava Channel	00:00	12:49	0.9000	hvo4	rnx		dec94coc
356		SAND	Sandhill	00:00	23:59	0.8810	hvo3	rnx		dec94coc
356		UWEK	Uwekahuna	00:00	23:59	1.4210	hvo5	rnx		dec94coc

Table 5c: 1995 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive formats	Comments	Campaign
011	1/11/95	KULU	Kulua	18:01	23:58	0.9373	hvo1	raw/rnx		mijan95
011		MKEA	Mauna Kea	20:06	23:59	1.1380	hvo5	raw/rnx		mijan95
011		ML8_	ML-8	18:54	23:59	0.9480	hvo2	raw/rnx		mijan95
011		MLST	ML strip	20:14	23:58	1.0120	hvo4	raw/rnx		mijan95
011		REDC	Makai Red Cone	19:45	23:59	1.0260	hvo6	raw/rnx		mijan95
012	1/12/95	1899	1899 Cone	04:06	23:59	0.9610	hvo3	raw/rnx		mijan95
012		KULU	Kulua	00:00	23:58	0.9373	hvo1	raw/rnx		mijan95
012		ML8_	ML-8	00:00	19:58	0.9480	hvo2	raw/rnx		mijan95
012		MLST	ML strip	00:00	23:59	1.0120	hvo4	raw/rnx		mijan95
012		REDC	Makai Red Cone	00:00	23:59	1.0250	hvo6	raw/rnx		mijan95
013	1/13/95	KULU	Kulua	00:00	17:28	0.9373	hvo1	raw/rnx		mijan95
013		ML8_	ML-8	00:00	17:50	0.9480	hvo2	raw/rnx		mijan95
013		MLST	ML Strip	00:00	01:11	1.0120	hvo4	raw		mijan95
013		REDC	Makai Red Cone	00:00	18:13	1.0250	hvo6	raw/rnx		mijan95
013		51FL	1851 Flow	19:08	23:04	1.0190	hvo6	raw		mijan95
013		51FL	1851 Flow	23:05	23:59	1.0190	hvo6	raw		mijan95
013		BRSH	Brush	20:44	22:42	1.0650	hvo1	raw		mijan95
013		BRSH	Brush	22:44	23:59	1.0650	hvo1	raw		mijan95
013		POUO	Puu O Uo	20:02	22:52	1.0280	hvo2	raw		mijan95
013		LKAO	Lower Kaohae	21:45	22:33	1.0290	hvo4	raw		mijan95
013		LKAO	Lower Kaohae	22:35	23:59	1.0290	hvo4	raw		mijan95
013		POUO	Puu O Uo	22:55	23:59	1.0280	hvo2	raw		mijan95
013		MLO_	MLO	23:04	23:59	0.8046	hvo3	raw		mijan95
014	1/14/95	51FL	1851 Flow	00:00	23:59	1.0190	hvo6	raw/rnx		mijan95
014		BRSH	Brush	00:00	23:59	1.0650	hvo1	raw/rnx		mijan95
014		LKAO	Lower Kaohae	00:00	23:58	1.0290	hvo4	raw/rnx		mijan95
014		MKEA	Mauna Kea	01:10	23:59	1.1380	hvo5	raw/rnx		mijan95
014		MLO_	MLO	00:00	23:59	0.8046	hvo3	raw/rnx		mijan95
014		POUO	Puu O Uo	00:00	23:59	1.0280	hvo2	raw/rnx		mijan95
015	1/15/95	51FL	1851 Flow	00:00	12:11	1.0190	hvo6	raw/rnx		mijan95
015		BRSH	Brush	00:00	13:14	1.0650	hvo1	raw/rnx		mijan95

Table 5c: 1995 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive formats	Comments	Campaign
015		LKAO	Lower Kaee	00:00	23:59	1.0290	hvo4	raw/rnx		mijan95
015		MKEA	Mauna Kea	00:00	23:59	1.1380	hvo5	raw/rnx		mijan95
015		MLO_	MLO	00:00	23:59	0.8046	hvo3	raw/rnx		mijan95
015		POUO	Puu O Uo	00:00	13:12•	1.0280	hvo2	raw/rnx		mijan95
016	1/16/95	LKAO	Lower Kaee	00:00	19:09	1.0290	hvo4	raw/rnx		mijan95
016		MKEA	Mauna Kea	00:00	23:59	1.1380	hvo5	raw/rnx		mijan95
016		MLO_	MLO	00:00	19:59	0.8046	hvo3	raw/rnx		mijan95
017	1/17/95	MKEA	Mauna Kea	00:00	13:40	1.1380	hvo3	raw/rnx		mijan95
017		MLST	ML Strip	01:12	23:59	0.9690	hvo6	raw/rnx		mijan95
018	1/18/95	GOTE	Goat reset	00:00	23:59	1.0123	hvo1	raw/rnx		jan95coc
018		KAEN	Kaena Point	01:35	22:38	0.8350	hvo2	raw/rnx		jan95coc
018		LAVA	Lava channel	00:30	23:36	0.9173	hvo4	raw/rnx		jan95coc
018		MLST	ML Strip	00:00	23:59	0.9690	hvo6	raw/rnx		jan95coc
018		UWEK	Uwekahuna	00:40	23:59	1.4930	hvo3	raw/rnx		jan95coc
019	1/19/95	69FL	69 flow	00:00	23:22	1.3330	hvo5	raw/rnx		jan95coc
019		GOTE	Goat reset	00:00	23:59	1.0123	hvo1	raw/rnx		jan95coc
019		HILI	Hilina Pali	00:00	23:18	0.8500	hvo4	raw/rnx		jan95coc
019		MLST	ML Strip	00:00	21:13	0.9690	hvo6	raw/rnx		jan95coc
019		PALI	Pali	01:45	06:13	1.0600	hvo2	raw/rnx		jan95coc
019		UWEK	Uwekahuna	00:00	23:59	1.4930	hvo3	raw/rnx		jan95coc
020	1/20/95	GOTE	Goat reset	00:00	20:21	1.0123	hvo1	raw/rnx		jan95coc
020		KOAE	Puu Koae reset	00:20	17:24	0.9316	hvo5	raw/rnx		jan95coc
020		MANU	Lua Manu	01:37	12:06	1.0000	hvo2	raw/rnx		jan95coc
020		PULU	Puu Hulihulu R.	01:00	20:41	1.0783	hvo4	raw/rnx		jan95coc
020		SAND	Sandhill	01:07	21:24	0.9316	hvo6	raw/rnx	wrong ht in data file (0.917)	jan95coc
020		UWEK	Uwekahuna	00:00	06:26	1.4930	hvo3	raw/rnx		jan95coc
021	1/21/95	KTRA	Kapalana Trail			0.8800	hvo1	raw		jan95coc
021		MKEA	Mauna Kea	00:00	23:59	0.6200	hvo2	raw/rnx		jan95coc
021		MULU	Mauna Ulu	18:55	23:59	0.9300	hvo6	raw		jan95coc

Table 5c: 1995 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive formats	Comments	Campaign
021		NUJO	Kane Nuio O Hamo	19:57	23:59	0.9700	hvo4	raw		jan95coc
021		PANU	Panau			0.9300	hvo5	raw		jan95coc
021		UWEK	Uwekahuna	00:00	23:59	1.4930	hvo3	raw/rnx		jan95coc
022	1/22/95	KTRA	Kapalana Trail	00:00	23:58	0.8800	hvo1	raw/rnx		jan95coc
022		MKEA	Mauna Kea	00:00	23:59	0.6200	hvo2	raw/rnx		jan95coc
022		MULU	Mauna Ulu	00:00	23:59	0.9300	hvo6	raw/rnx		jan95coc
022		NUJO	Kane Nuio O Hamo	00:00	23:58	0.9700	hvo4	raw/rnx		jan95coc
022		PANU	Panau	00:00	23:59	0.9300	hvo5	raw/rnx		jan95coc
022		UWEK	Uwekahuna	00:00	23:59	1.4930	hvo3	raw/rnx		jan95coc
023	1/23/95	KTRA	Kapalana Trail	00:00	23:58	0.8800	hvo1	raw/rnx		jan95coc
023		MULU	Mauna Ulu	00:00	23:59	0.9300	hvo6	raw/rnx		jan95coc
023		NUJO	Kane Nuio O Hamo	00:00	23:58	0.9700	hvo4	raw/rnx		jan95coc
023		PANU	Panau	00:00	23:59	0.9300	hvo5	raw/rnx		jan95coc
023		UWEK	Uwekahuna	00:00	23:27	1.4930	hvo3	raw/rnx		jan95coc
024	1/24/95	932_	HVO93-2			0.9573	hvo6	raw	misnamed 9302	jan95coc
024		KAEN	Kaena Point	00:26	23:59	1.0430	hvo2	raw/rnx		jan95coc
024		KPAU	Kupaupau 2			1.0350	hvo5	raw	misnamed KUPA	jan95coc
024		KTRA	Kapalana Trail	00:00	12:13	0.8800	hvo1	raw/rnx		jan95coc
024		MULU	Mauna Ulu	00:00	18:38	0.9300	hvo6	raw/rnx		jan95coc
024		NUJO	Kane Nuio O Hamo	00:00	18:46	0.9700	hvo4	raw/rnx		jan95coc
024		PANU	Panau	00:00	19:26	0.9330	hvo5	raw/rnx		jan95coc
024		MPOO	Makai Puu Oo	19:56	22:42	1.0476	hvo1	raw		jan95coc
024		PKMO	Puu Kamoamo	19:32	22:15	0.9493	hvo4	raw		jan95coc
024		UWEK	Uwekahuna	00:00	20:43	1.4930	hvo3	raw/rnx		jan95coc
024		PUO1	Puu Oo 1	21:33	21:50	1.0056	hvo6	raw	data in file PUUO0, (0003)	jan95puo_rs
024		PUO1	Puu Oo 1	21:51	22:08	1.0056	hvo6	raw	data in file PUUO0, (0004)	jan95puo_rs
024		PUO2	Puu Oo 2	20:28	20:45	0.9820	hvo6	raw	data in file PUO00, (0001)	jan95puo_rs
024		PUO2	Puu Oo 2	20:47	21:03	0.9820	hvo6	raw	data in file PUO00, (0002)	jan95puo_rs
024		PUO3	Puu Oo 3	21:37	22:34	1.0540	hvo5	raw		jan95puo_rs
024		PUO4	Puu Oo 4	20:20	21:20	1.0353	hvo5	raw		jan95puo_rs
024		UWEK	Uwekahuna	20:45	23:12	1.4930	hvo3	raw		jan95puo_rs

Table 5c: 1995 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive formats	Comments	Campaign
025	1/25/95	932_	HVO93-2	00:00	23:59	0.9573	hvo6	raw/rnx	misnamed 9302	jan95coc
025		KAEN	Kaena Point	00:00	23:59	1.0430	hvo2	raw/rnx		jan95coc
025		KPAU	Kupaupau 2	00:00	19:26	1.0350	hvo5	raw/rnx	misnamed KUPA	jan95coc
025		MPOO	Makai Puu Oo	00:00	23:58	1.0476	hvo1	raw/rnx		jan95coc
025		PKMO	Puu Kamoamo	00:00	23:58	0.9493	hvo4	raw/rnx		jan95coc
025		UWEK	Uwekahuna	19:13	23:05	1.4930	hvo3	raw		jan95coc
025		UWEK	Uwekahuna	23:07	23:59	1.4930	hvo3	raw		jan95coc
026	1/26/95	932_	HVO93-2	00:00	19:37	0.9573	hvo6	raw/rnx	misnamed 9302	jan95coc
026		KAEN	Kaena Point	00:00	16:50	1.0460	hvo2	raw/rnx		jan95coc
026		KPAU	Kupaupau 2	00:00	20:10	1.0350	hvo5	raw/rnx	misnamed KUPA	jan95coc
026		MPOO	Makai Puu Oo	00:00	20:00	1.0476	hvo1	raw/rnx		jan95coc
026		PKMO	Puu Kamoamo	00:00	19:49	0.9493	hvo4	raw/rnx		jan95coc
026		UWEK	Uwekahuna	00:00	23:59	1.4930	hvo3	raw/rnx		jan95coc
026		LAEP	Laeapuki	18:01	00:00	1.0080	hvo2	raw/rnx		jan95coc
026		HEIH	Heihei	20:17	23:58	1.2750	hvo4	raw	rinex height;wrong height in data file	jan95coc
026		PULA	GPS Pulama	20:57	23:59	0.9460	hvo5	raw		jan95coc
026		HAKU	Hakuma	21:23	23:59	0.9590	hvo6	raw		jan95coc
026		931_	HVO93-1	22:37	23:58	1.0097	hvo1	raw	misnamed 9310	jan95coc
027	1/27/95	931_	HVO93-1	00:00	23:58	1.0097	hvo1	raw/rnx	misnamed 9310	jan95coc
027		HAKU	Hakuma	00:00	23:59	0.9590	hvo6	raw/rnx		jan95coc
027		HEIH	Heihei	00:00	23:58	1.2750	hvo4	raw/rnx	rinex height;wrong height in data file	jan95coc
027		KAEN	Kaena Point	01:05	16:59	1.0460	hvo2	raw/rnx		jan95coc
027		LAEP	Laeapuki			1.0080	hvo2	95raw		jan95coc
027		PULA	GPS Pulama	00:00	20:05	0.9460	hvo5	raw/rnx		jan95coc
027		UWEK	Uwekahuna	00:00	23:59	1.4930	hvo3	raw/rnx		jan95coc
028	1/28/95	931_	93-1	00:00	19:24	1.0097	hvo1	raw/rnx	misnamed 9310	jan95coc
028		HAKU	Hakuma	00:00	19:53	0.9590	hvo6	raw/rnx		jan95coc
028		HEIH	Heihei	00:00	18:43	1.2750	hvo4	raw/rnx	rinex height;wrong height in data file	jan95coc
028		PULA	GPS Pulama	00:00	20:05	0.9460	hvo5	raw/rnx		jan95coc
028		UWEK	Uwekahuna	00:00	23:59	1.4930	hvo3	raw/rnx		jan95coc
045	2/14/95	KNKK	Keanakakoi	23:45	23:53	1.0175	hvo2	raw		feb95ki_rs

Table 5c: 1995 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive formats	Comments	Campaign
045		PALI	Pali	22:02	21:59	1.0780	hvo1	raw	Note stop time is on 046	feb95ki_rs
046	2/15/95	VO34	New Explosion Debris	00:23	00:36	0.9690	hvo2	raw		feb95ki_rs
046		SAND	Sandhill	01:45	01:32	0.9305	hvo3	raw	Note stop time is on 047	feb95ki_rs
046		UWEK	Uwekahuna	19:00	01:54	1.4790	hvo5	raw	Note stop time is on 047	feb95ki_rs
046		V118	HVO118	20:13	20:28	1.4765	hvo2	raw		feb95ki_rs
046		92YY	92YY	21:40	21:58	0.9310	hvo6	raw		feb95ki_rs
046		92YY	92YY	22:34	22:51	0.9220	hvo6	raw		feb95ki_rs
046		PALI	Pali	22:00	18:20	1.0780	hvo1	raw	Note stop time is on 047	feb95ki_rs
046		KMCR	KMC	22:11	22:59	1.5710	hvo2	raw		feb95ki_rs
046		ESCP	Escape Road	23:30	23:45	1.5030	hvo2	raw		feb95ki_rs
047	2/16/95	KNKK	Keanakakoi	00:19	00:34	1.1375	hvo2	raw		feb95ki_rs
059	2/28/95	PALI	Pali	20:25	04:36	1.4225	hvo3	raw	Note stop time is on 060	mar95ki_rs
059		SAND	Sandhill	21:33	21:30	1.1025	hvo4	raw	Note stop time is on 060	mar95ki_rs
059		UWEK	Uwekahuna	18:40	18:37	1.4585	hvo1	raw	Note stop time is on 060	mar95ki_rs
060	3/1/95	VO34	New Explosion Debris	00:26	00:44	1.0925	hvo2	raw		mar95ki_rs
060		VO34	New Explosion Debris	19:05	19:21	0.9950	hvo2	raw		mar95ki_rs
060		KNKK	Keanakakoi	01:13	01:22	1.1534	hvo2	raw		mar95ki_rs
060		KNKK	Keanakakoi	01:24	01:41	1.1460	hvo2	raw		mar95ki_rs
060		KNKK	Keanakakoi	19:46	20:03	1.1460	hvo2	raw		mar95ki_rs
060		ESCP	Escape Road	02:12	02:30	1.4890	hvo2	raw		mar95ki_rs
060		ESCP	Escape Road	20:35	20:51	1.5690	hvo2	raw		mar95ki_rs
060		92YY	92YY	17:33	17:49	1.4110	hvo2	raw		mar95ki_rs
060		92YY	92YY	22:11	22:28	1.3124	hvo2	raw		mar95ki_rs
060		V118	HVO118	18:17	18:35	1.1496	hvo2	raw		mar95ki_rs
060		UWEK	Uwekahuna	18:40	00:44	1.4585	hvo1	raw		mar95ki_rs
060		SAND	Sandhill	21:31	00:22	1.1025	hvo4	raw		mar95ki_rs
060		KMCR	KMC	21:58	22:36	1.1496	hvo6	raw		mar95ki_rs
072	3/13/95	SAND	Sandhill	22:55	23:59	1.0815	hvo1	raw		mar95coc
072		UWEK	Uwekahuna	23:48	23:59	1.3830	hvo5	raw		mar95coc

Table 5c: 1995 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive formats	Comments	Campaign
073	3/14/95	GOTE	Goat Reset	01:19	23:59	0.9980	hvo4	raw/rnx		mar95coc
073		MLST	ML Strip	01:51	23:51	1.6300	hvo3	raw/rnx		mar95coc
073		PALI	Pali	00:26	23:59	1.0820	hvo6	raw/rnx		mar95coc
073		PULU	Puu Huluhulu Reset	00:01	23:59	1.0560	hvo2	raw/rnx		mar95coc
073		SAND	Sandhill	00:00	23:59	1.0815	hvo1	raw/rnx		mar95coc
073		UWEK	Uwekahuna	00:00	23:59	1.3830	hvo5	raw/rnx		mar95coc
074	3/15/95	GOTE	Goat Reset	00:00	23:59	0.9980	hvo4	raw/rnx		mar95coc
074		PALI	Pali	00:00	21:41	1.0820	hvo6	raw/rnx		mar95coc
074		PULU	Puu Huluhulu Reset	00:00	01:05	1.0560	hvo2	raw/rnx		mar95coc
074		SAND	Sandhill	00:00	00:29	1.0815	hvo1	95raw		mar95coc
074		UWEK	Uwekahuna	00:00	16:53	1.3830	hvo5	raw/rnx		mar95coc
074		HILI	Hilina Pali	01:23	23:59	0.9980	hvo1	raw/rnx		mar95coc
074		KAEN	Kaena Point	01:59	22:10	1.0610	hvo2	raw/rnx		mar95coc
074		LAVA	Lava channel	02:43	23:03	0.8470	hvo3	raw/rnx		mar95coc
074		UWEK	Uwekahuna	19:55	23:59	1.3830	hvo5	raw/rnx		mar95coc
074		KOAE	Puu Koae reset	23:31	23:59	1.0720	hvo6	95raw		mar95coc
075	3/16/95	GOTE	Goat reset	00:00	23:59	0.9980	hvo4	raw/rnx		mar95coc
075		HILI	Hilina Pali	00:00	21:36	0.9980	hvo1	raw/rnx		mar95coc
075		KOAE	Puu Koae reset	00:00	23:59	1.0720	hvo6	raw/rnx		mar95coc
075		UWEK	Uwekahuna	00:00	23:59	1.3830	hvo5	raw		mar95coc
075		69FL	69 flow	00:39	22:16	1.3410	hvo2	raw/rnx		mar95coc
075		MANU	Lua Manu	02:38	22:35	1.4710	hvo3	raw/rnx	No data sheet	mar95coc
076	3/17/95	GOTE	Goat reset	00:00	17:52	0.9980	hvo4	raw/rnx		mar95coc
076		KOAE	Puu Koae reset	00:00	22:22	1.0720	hvo6	raw/rnx		mar95coc
076		UWEK	Uwekahuna	00:00	18:55	1.3830	hvo5	raw/rnx		mar95coc
076		DEST	Desert	00:47	23:59	1.0920	hvo1	raw/rnx		mar95coc
076		ESCP	Escape Road	02:27	17:20	1.5720	hvo1	raw/rnx		mar95bki_rs
076		92YY	92YY	18:04	18:26	1.2280	hvo1	raw		mar95bki_rs
076		V118	HVO118	18:55	19:19	1.1157	hvo1	raw		mar95bki_rs
076		VO34	HVO34	19:41	20:01	1.2530	hvo1	raw		mar95bki_rs
076		KNKK	Keanakakoi	20:23	20:43	1.2000	hvo1	raw		mar95bki_rs
076		SAND	Sandhill	23:23	23:02	0.9250	hvo3	raw/rnx	start time is on 075	mar95bki_rs,coc

Table 5c: 1995 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive formats	Comments	Campaign
076		UWEK	Uwekahuna					raw		mar95bki_rs
102	4/12/95	HP6_	HP6	01:04	22:50	1.2230	hvo1	raw/rnx		
102		HP7_	HP7	01:12	22:44	0.7900	hvo4	raw/rnx	height originally entered incorrectly	tie
102		MLST	ML Strip	00:12	23:59	0.8220	hvo2	raw/rnx		tie
102		UWEK	Uwekahuna	00:02	23:59	1.3830	hvo5	raw/rnx	antenna rotated 15 degrees	
103	4/13/95	MLST	ML Strip	00:00	13:36	0.8220	hvo2	raw/rnx		
103		UWEK	Uwekahuna	00:00	23:59	1.3830	hvo5	raw/rnx	antenna rotated 15 degrees	
114	4/24/95	HP7_	HP7	02:00	01:59	0.7930	hvo3	raw/rnx		wml95
114		KEEI	Keel	17:51	02:10	1.3030	hvo5	raw/rnx		wml95
114		KRCN	KRCN	17:59	22:06	1.0820	hvo6	raw/rnx	slightly (~3mm) off center	wml95
114		KEAL	Kealia	19:59	01:59	1.0460	hvo1	raw/rnx	way off center	wml95
114		MKEA	Mauna Kea	20:14	23:59	0.8200	hvo2	raw/rnx		wml95
114		KRCN	KRCN	22:11	00:12	1.0820	hvo6	raw/rnx		wml95
114		KALK	Kaloko	23:22	01:59	0.9600	hvo4	raw/rnx		wml95
115	4/25/95	MKEA	Mauna Kea	00:00	23:59	0.8200	hvo2	raw/rnx		wml95
115		HP7_	HP7	02:00	19:45	0.7930	hvo3	raw/rnx		wml95
115		KALK	Kaloko	02:00	01:59	0.9600	hvo4	raw/rnx		wml95
115		KEAL	Kealia	02:00	00:02	1.0460	hvo1	raw/rnx	way off center	wml95
115		KONA	Kona	18:06	02:00	1.0020	hvo6	raw/rnx		wml95
115		KNKI	Kanekii	20:01	01:59	1.0430	hvo5	raw/rnx		wml95
116	4/26/95	MKEA	Mauna Kea	00:00	23:59	0.8200	hvo2	raw/rnx		wml95
116		KALK	Kaloko	02:00	00:36	0.9600	hvo4	raw/rnx		wml95
116		KEAL	Kealia	02:00	18:26	1.0470	hvo1	raw/rnx		wml95
116		KNKI	Kanekii	02:00	20:54	1.0430	hvo5	raw/rnx		wml95
116		MILO	Milolii	17:55	02:05	1.0410	hvo3	raw/rnx		wml95
116		KRCN	KRCN	20:43	02:00	1.2600	hvo1	raw/rnx		wml95
116		YEHP	Yee Hop	20:44	01:59	1.0100	hvo6	raw/rnx		wml95
117	4/27/95	MKEA	Mauna Kea	00:00	00:30	0.8200	hvo2	raw		wml95
117		POHO	Puu Ohohia	00:00	01:59	1.0390	hvo3	raw/rnx		wml95

Table 5c: 1995 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive formats	Comments	Campaign
117		KALK	Kaloko	02:00	01:59	0.9600	hvo4	raw/mnx		wmi95
117		YEHP	Yee Hop	02:00	01:59	1.0100	hvo6	raw/mnx		wmi95
117		LUAK	Lua Kalupenui	20:06	01:59	1.0270	hvo5	raw/mnx		wmi95
117		KAPA	Kapapala	20:09	01:59	1.0230	hvo2	raw/mnx		wmi95
117		NAAL	Naalehu	22:07	01:59	0.9470	hvo1	raw/mnx		wmi95
118	4/28/95	KALK	Kaloko	02:00	11:43	0.9600	hvo4	raw/mnx		wmi95
118		KAPA	Kapapala	02:00	01:08	1.0230	hvo2	raw/mnx		wmi95
118		LUAK	Lua Kalupenui	02:00	23:00	1.0270	hvo5	raw/mnx		wmi95
118		NAAL	Naalehu	02:00	22:02	0.9470	hvo1	raw/mnx		wmi95
118		POHO	Puu Ohohia	02:00	00:59	1.0390	hvo3	raw/mnx		wmi95
118		YEHP	Yee Hop	02:00	22:04	1.0100	hvo6	raw/mnx		wmi95
157	6/6/95	UWEV	Uwekahuna Vault	00 00	23 59	0.0000	hvo6	raw/mnx		ml95
157		KFAS	Kaoiki	17 31	20 00	1.2590	hvo2	raw/mnx	off center - ~3" to 095	ml95
157		MLO_	Mauna Loa	17 58	23 59	0.9660	ST01	raw/mnx	ht wrong in data file (.963)	ml95
157		AINA	Ainapo	18 00	19 59	1.1140	hvo4	raw/mnx		ml95
157		ML8_	ML-8	18 46	20 00	1.0960	ST07	raw/mnx		ml95
157		ELEK	Eleiki	19 02	20 00	0.9460	hvo1	raw/mnx		ml95
157		KULU	Kulua	19 24	20 00	0.9780	hvo3	raw/mnx		ml95
157		MLST	MI Strip	21 07	23 59	1.3760	ST04	raw/mnx		ml95
157		MKEA	Mauna Kea	23 07	23 59	0.7220	ST06	raw/mnx	antenna loose (to se at pickup), slightly off level	ml95
158	6/7/95	AIN2	Ain2	00 00	20 00	0.9280	hvo5	raw/mnx		ml95
158		AINA	Ainapo	00 00	19 59	1.1140	hvo4	raw/mnx		ml95
158		ELEK	Eleiki	00 00	20 00	0.9460	hvo1	raw/mnx		ml95
158		KFAS	Kaoiki	00 00	20 00	1.2590	hvo2	raw/mnx		ml95
158		KULU	Kulua	00 00	20 00	0.9780	hvo3	raw/mnx		ml95
158		MKEA	Mauna Kea	00 00	23 59	0.7220	ST06	raw/mnx	antenna loose (to se at pickup), slightly off level	ml95
158		ML8_	ML-8	00 00	19 60	1.0960	ST07	raw/mnx		ml95
158		MLCE	MLS Cabin East	00 00	20 00	0.9970	ST02	raw/mnx	tribrach centering not calibrated	ml95
158		MLO_	Mauna Loa	00 00	23 59	0.9660	ST01	raw/mnx	ht wrong in data file (.963)	ml95
158		MLST	MI Strip	00 00	23 59	1.3760	ST04	raw/mnx		ml95
158		MOKU	Poo Moku	00 00	20 00	1.0130	ST03	raw/mnx		ml95
158		UWEV	Uwekahuna Vault	00 00	15 55	0.0000	hvo6	raw/mnx		ml95

Table 5c: 1995 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive formats	Comments	Campaign
159	6/8/95	AIN2	Ain2	00 00	19 11	0.9280	hvo5	raw/rnx		ml95
159		AINA	Ainapo	00 00	17 25	1.1140	hvo4	raw/rnx		ml95
159		ELEK	Eleiki	00 00	19 59	0.9460	hvo1	raw/rnx		ml95
159		KFAS	Kaiki	00 00	17 15	1.2590	hvo2	raw/rnx		ml95
159		KULU	Kulua	00 00	20 00	0.9780	hvo3	raw/rnx		ml95
159		MKEA	Mauna Kea	00 00	23 59	0.7220	ST06	raw/rnx	antenna loose (to se at pickup),slightly off level	ki95;ml95
159		ML8_	MI-8	00 00	19 22	1.0960	ST07	raw/rnx		ml95
159		MLCE	MLS Cabin East	00 00	20 00	0.9970	ST02	raw/rnx	tribrach centering not calibrated	ml95
159		MLO_	Mauna Loa	00 00	23 59	0.9660	ST01	raw/rnx	ht wrong in data file (.963)	ml95
159		MLST	MI Strip	00 00	20 13	1.3760	ST04	raw/rnx		ml95
159		MOKU	Poo Moku	00 00	20 00	1.0130	ST03	raw/rnx		ml95
159		UWEV	Uwekahuna Vault	00 00	16 41	0.0000	hvo6	raw/rnx		ml95
159		UWEV	Uwekahuna Vault	16 44	23 59	0.0000	hvo6	raw/rnx		ml95
159		REDC	Red Cone	17 54	19 60	1.1310	?	raw/rnx	data sheet lists R=hvo4	ml95
159		ML1_	MI-1	18 23	23 59	1.0230	?	raw/rnx	data sheet lists R=hvo4	ml95
159		MLST	MI Strip	20 21	23 59	1.3760	ST04	raw/rnx		ki95;ml95
159		PWRL	Powerline	23 36	23 59	1.0570	ST02	raw/rnx	tribrach centering not calibrated	ml95
160	6/9/95	MKEA	Mauna Kea	00 00	22 11	0.7220	ST06	raw/rnx	antenna loose (to se at pickup),slightly off level	ki95;ml95
160		ML1_	MI-1	00 00	23 59	1.0230	?	raw/rnx	data sheet lists R=hvo4	ml95
160		MLO_	Mauna Loa	00 00	18 55	0.9660	ST01	raw/rnx	ht wrong in data file (.963)	ml95
160		MLST	MI Strip	00 00	23 59	1.3760	ST04	raw/rnx		ki95;ml95
160		NWML	NW ML	00 00	20 00	1.0570	hvo5	raw/rnx		ml95
160		PWRL	Powerline	00 00	23 59	1.0570	ST02	raw/rnx	tribrach centering not calibrated	ml95
160		REDC	Red Cone	00 00	19 59	1.1310	?	raw/rnx	data sheet lists R=hvo4	ml95
160		UWEV	Uwekahuna Vault	00 00	23 59	0.0000	hvo6	raw/rnx		ml95
160		VO92	HVO92	00 00	20 00	1.0410	hvo1	raw/rnx		ml95
160		VO93	HVO93	00 00	20 00	1.0110	hvo3	raw/rnx		ml95
160		WMLS	West MI Summit	00 00	20 00	1.2000	ST07	raw/rnx		ml95
161	6/10/95	ML1_	MI-1	00 00	18 43	1.0230	?	raw/rnx	data sheet lists R=hvo4	ml95
161		MLST	MI Strip	00 00	18 10	1.3760	ST04	raw/rnx		ki95;ml95
161		NWML	NW MI Strip	00 00	17 43	1.0570	hvo5	raw/rnx		ml95
161		PWRL	Powerline	00 00	18 57	1.0570	ST02	raw/rnx	tribrach centering not calibrated	ml95

Table 5c: 1995 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive formats	Comments	Campaign
161		REDC	Red Cone	00 00	17 13	1.1310	?	raw/rnx	data sheet lists R=hvo4	ml95
161		UWEV	Uwekahuna Vault	00 00	23 59	0.0000	hvo6	raw/rnx		ml95
161		VO92	HVO 92	00 00	17 56	1.0410	hvo1	raw/rnx		ml95
161		VO93	HVO 93	00 00	18 28	1.0110	hvo3	raw/rnx		ml95
161		WMLS	West MI Summit	00 00	17 29	1.2000	ST07	raw/rnx		ml95
162	6/11/95	UWEV	Uwekahuna Vault	00 00	02 28	0.0000	hvo6	raw/rnx		ki95
162		UWEV	Uwekahuna Vault	02 31	23 59	0.0000	hvo6	raw		ki95
163	6/12/95	UWEV	Uwekahuna Vault	00 00	23 59	0.0000	hvo6	raw/rnx		ki95
163		UWEV	Uwekahuna Vault	00 00	02 42	0.0000	hvo6	raw/rnx	actually day 164	ki95
163		MOAN	Moana Hauae	17 22	02 00	0.9850	hvo2	raw/rnx		ki95
163		LANI	Lanipuna	17 52	02 03	1.2020	ST08	raw/rnx	slightly off level	ki95
163		66YY	66YY	17 59	02 00	1.2100	ST05	raw/rnx	slightly off level	ki95
163		PULA	Pulama East	18 42	02 00	1.2240	hvo3	raw/rnx	very slightly off level	ki95
163		KUPA	Kupapau	19 06	02 00	1.1060	ST01	raw/rnx	slightly off level	ki95
163		PULU	Puu Huluhulu	19 18	01 59	0.9680	ST02	raw/rnx	slightly off level	ki95
163		HAKU	Hakuma	19 29	02 00	1.2450	hvo5	raw/rnx	slightly off level	ki95
163		LAVA	Lava Channel	20 03	01 08	0.8560	SR1	raw/rnx	antenna loose, rotated, off level	ki95
163		77FL	77 Flow	20 08	01 59	1.2600	hvo1	raw/rnx		ki95
163		HEIH	Heihei hulu	20 11	02 00	1.3830	ST04	raw/rnx	rinex height; wrong height in data file	ki95
163		931_	HVO93-1	20 38	01 59	1.1200	ST07	raw/rnx		ki95
163		MPOO	Makai Puu Oo	21 09	13 02	1.1380	ST03	raw/rnx		ki95
163		NUJO	Nui O Hamo	21 49	13 02	1.1163	hvo4	raw/rnx		ki95
164	6/13/95	UWEV	Uwekahuna Vault	06:00	05:59	0.0000	hvo6	raw/rnx		ki95
164		UWEV	Uwekahuna Vault	02 46	05 59	0.0000	hvo6	raw/rnx		ki95
164		PULU	Puu Huluhulu	02 00	19 09	0.9680	ST02	raw/rnx	slightly off level	ki95
164		77FL	77 Flow	06 00	01 59	1.2600	hvo1	raw/rnx		ki95
164		931_	HVO93-1	06 00	01 59	1.1200	ST07	raw/rnx	slightly off level	ki95
164		932_	HVO93-2	06 00	02 00	1.0770	ST06	raw/rnx		ki95
164		HAKU	Hakuma	06 00	02 00	1.2450	hvo5	raw/rnx	slightly off level	ki95
164		HEIH	Heihei hulu	06 00	02 00	1.3830	ST04	raw/rnx	rinex height; wrong height in data file	ki95
164		KUPA	Kupapau	06 00	02 00	1.1060	ST01	raw/rnx	slightly off level	ki95
164		MPOO	Makai Puu Oo	06 00	02 00	1.1380	ST03	raw/rnx		ki95

Table 5c: 1995 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive formats	Comments	Campaign
164		PULA	Pulama East	06 00	02 00	1.2440	hv03	raw/rnx	very slightly off level	ki95
164		NUJO	Nui O Hamo	06 00	01 59	1.1163	hvo4	raw/rnx		ki95
164		HVO7	Kapoho	18 02	02 02	1.1480	ST08	raw/rnx	slightly off level	ki95
164		MALA	Malama Ki	18 02	02 05	1.6320	ST05	raw/rnx		ki95
164		66YY	66YY	18 40	01 59	0.9430	hvo2	raw/rnx		ki95
164		PULU	Puu Huluhulu	19 31	01 58	0.9680	ST02	raw/rnx		ki95
164		KAEN	Kaena Point	21 07	01 58	1.0000	SR1	raw/rnx		ki95
165	6/14/95	ULAU	Puu Ulaula	00 12	02 00	1.2330	hvo3	raw/rnx	slightly off level	ki95
165		PEPE	Pepeiau Cabin	00 51	02 00	1.1250	ST04	raw/rnx		ki95
165		KAEN	Kaena Point	02 00	01 59	1.0000	SR1	raw/rnx		ki95
165		PULU	Puu Huluhulu	02 00	01 26	0.9860	ST02	raw/rnx		ki95
165		77FL	77 Flow	06 00	20 09	1.2600	hvo1	raw/rnx		ki95
165		931_	HVO93-1	06 00	18 22	1.1200	ST07	raw/rnx	slightly off level	ki95
165		932_	HVO93-2	06 00	02 00	1.0770	ST06	raw/rnx		ki95
165		HAKU	Hakuma	06 00	18 58	1.2450	hvo5	raw/rnx	slightly off level	ki95
165		HEIH	Heiheihulu	06 00	18 46	1.3830	ST04	raw/rnx	rinex height; wrong height in data file	ki95
165		KUPA	Kupapau	06 00	19 13	1.1060	ST01	raw/rnx	slightly off level	ki95
165		MPOO	Makai Puu Oo	06 00	20 19	1.1380	ST03	raw/rnx		ki95
165		NUJO	Nui O Hamo	06 00	20 55	1.1163	hvo4	raw/rnx		ki95
165		PULA	Pulama East	06 00	19 28	1.2240	hvo3	raw/rnx	very slightly off level	ki95
165		UWEV	Uwekahuna Vault	06 00	05 59	0.0000	hvo6	raw/rnx		ki95
165		M801	BM80-1	18 00	02 00	0.8840	ST08	raw/rnx	slightly off level	ki95
165		WNGR	Wung Ranch	18 00	01 59	0.9930	hvo2	raw/rnx		ki95
165		LAEP	Laeapuki	18 13	02 03	0.9900	ST05	raw/rnx	slightly off level	ki95
165		PANU	Panau	20 46	02 00	0.9676	ST03	raw/rnx		ki95
165		KTRA	Kalapana Trail	21 21	02 00	1.3293	ST06	raw/rnx		ki95
165		APUA	Apua Point	21 46	02 02	1.1380	hvo4	raw/rnx		ki95
165		KAPU	Kapukapu	22 03	02 00	0.9560	hvo1	raw/rnx	height wrong in data file (.9658)	ki95
165		NALI	Nali	22 47	01 59	0.8860	ST07	raw/rnx	slightly off level, 3-4mm off center, antenna loose	ki95
165		PILI	Puu Pili	23 27	02 00	0.7850	hvo5	raw/rnx	tripod bumped on pickup before checking	ki95
166	6/15/95	KAEN	Kaena Point	02 00	00 58	1.0000	SR1	raw/rnx		ki95
166		69FL	69flow	02 13	18 10	1.0090	ST02	raw/rnx		ki95
166		LAEP	Laeapuki	02 13	01 59	0.9900	ST05	raw/rnx	slightly off level	ki95

Table 5c: 1995 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive formats	Comments	Campaign
166		APUA	Apua Point	06 00	01 59	1.1380	hvo4	raw/rmx		ki95
166		KAMK	Kamakaia	06 00	02 00	1.0800	ST01	raw/rmx	slightly off level	ki95
166		KAPU	Kapukapu	06 00	01 59	0.9560	hvo1	raw/rmx	height wrong in data file (.9658)	ki95
166		KTRA	Kalapana Trail	06 00	02 00	1.3293	ST06	raw/rmx		ki95
166		NALI	Nali	06 00	01 59	0.8860	ST07	raw/rmx	slightly off level, 3-4mm off center, antenna loose	ki95
166		PANU	Panau	06 00	02 00	0.9676	ST03	raw/rmx		ki95
166		PEPE	Pepelau Cabin	06 00	02 00	1.1250	ST04	raw/rmx		ki95
166		PILI	Puu Pili	06 00	02 00	0.7850	hvo5	raw/rmx	tripod bumped on pickup before checking	ki95
166		ULAU	Puu Ulaula	06 00	02 00	1.2330	hvo3	raw/rmx	slightly off center	ki95
166		UWEV	Uwekahuna Vault	06 00	05 59	0.0000	hvo6	raw/rmx		ki95
166		WNGR	Wung Ranch	17 59	02 01	1.1990	ST08	raw/rmx	slightly off level	ki95
166		MTVW	Mountain View	18 00	02 00	0.8940	ST09	raw/rmx	misnamed VIEW	ki95
166		FERN	Fern Forest	18 17	02 02	1.6190	hvo2	raw/rmx	slightly off level	ki95
166		GOTE	Goat Reset	19 20	05 58	1.0950	ST02	raw/rmx	slightly off level	ki95
167	6/16/95	KAEN	Kaena Point	02 00	18 16	1.0000	SR1	raw/rmx		ki95
167		APUA	Apua Point	06 00	18 43	1.1380	hvo4	raw/rmx		ki95
167		GOTE	Goat Reset	06 00	05 58	1.0950	ST02	raw/rmx	slightly off level	ki95
167		KAMK	Kamakaia	06 00	20 16	1.0800	ST01	raw/rmx	slightly off level	ki95
167		KAPU	Kapukapu	06 00	18 55	0.9560	hvo1	raw/rmx	height wrong in data file (.9658)	ki95
167		KTRA	Kalapana Trail	06 00	16 57	1.3293	ST06	raw/rmx	slightly off level	ki95
167		NALI	Nali	06 00	19 33	0.8860	ST07	raw/rmx	slightly off level, 3-4mm off center, antenna loose	ki95
167		PANU	Panau	06 00	18 29	0.9676	ST03	raw/rmx		ki95
167		PEPE	Pepelau Cabin	06 00	19 11	1.1250	ST04	raw/rmx		ki95
167		PILI	Puu Pili	06 00	19 49	0.7850	hvo5	raw/rmx	tripod bumped on pickup before checking	ki95
167		ULAU	Puu Ulaula	06 00	20 00	1.2330	hvo3	raw/rmx	slightly off center	ki95
167		KAEN	Kaena Point	18 48	01 58	1.0000	SR1	raw/rmx		ki95
167		KEAM	Kearnoku	19 11	01 59	0.8650	ST05	raw/rmx		ki95
167		LACY	Lacy	19 28	01 59	1.0210	hvo2	raw/rmx		ki95
167		KAPA	Kapapala	21 23	01 59	1.1030	ST08	raw/rmx		ki95
167		HILI	Hilina	22 00	01 59	1.0850	ST03	raw/rmx	slightly off level	ki95
167		PALI	Pali	23 48	01 59	1.2250	ST06	raw/rmx		ki95
167		UWEV	Uwekahuna Vault	06 00	18 03	0.0000	hvo6	raw/rmx		ki95
167		UWEV	Uwekahuna Vault	18 13	03 57	0.0000	hvo6	raw/rmx		ki95

Table 5c: 1995 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive formats	Comments	Campaign
168	6/17/95	AHUA	Ahua	00 39	01 58	1.0680	hvo4	raw/mnx		ki95
168		AHUA	Ahua	02 00	01 58	1.0680	hvo4	raw/mnx		ki95
168		GOTE	Goat Reset	06 00	05 58	1.0950	ST02	raw/mnx	slightly off level	ki95
168		HILI	Hilina	02 00	01 59	1.0850	ST03	raw/mnx	slightly off level	ki95
168		KAEN	Kaena Point	02 00	01 58	1.0000	SR1	raw/mnx		ki95
168		KAPA	Kapapala	02 00	01 59	1.1030	ST08	raw/mnx		ki95
168		KEAM	Keamoku	02 00	01 59	0.8650	ST05	raw/mnx		ki95
168		KOAE	Koae Tilt	00 47	01 59	1.1170	ST07	raw/mnx		ki95
168		KOAE	Koae Tilt	02 00	01 58	1.1170	ST07	raw/mnx		ki95
168		LACY	Lacy	02 00	01 59	1.0210	hvo2	raw/mnx		ki95
168		PALI	Pali	02 00	01 59	1.2250	ST06	raw/mnx		ki95
168		UWEV	Uwekahuna Vault	03 58	01 59	0.0000	hvo6	raw/mnx		ki95
169	6/18/95	AHUA	Ahua	02 00	01 58	1.0680	hvo4	raw/mnx		ki95
169		GOTE	Goat Reset	06 00	20 36	1.0950	ST02	raw/mnx	slightly off level	ki95
169		HILI	Hilina	02 00	18 47	1.0850	ST03	raw/mnx	slightly off level	ki95
169		KAEN	Kaena Point	02 00	01 58	1.0000	SR1	raw/mnx		ki95
169		KAPA	Kapapala	02 00	18 51	1.1030	ST08	raw/mnx		ki95
169		KEAM	Keamoku	02 00	19 30	0.8650	ST05	raw/mnx		ki95
169		KOAE	Koae Tilt	02 00	01 58	1.1170	ST07	raw/mnx		ki95
169		LACY	Lacy	02 00	01 59	1.0210	hvo2	raw/mnx		ki95
169		MANU	Lua Manu	22 24	01 59	1.3490	ST05	raw/mnx	slightly off center	ki95
169		MLST	MI Strip	02 00	01 59	1.3590	hvo3	raw/mnx		ki95
169		NENE	Kipuka Nene	19 58	01 59	1.4130	ST03	raw/mnx		ki95
169		PALI	Pali	02 00	01 59	1.2250	ST06	raw/mnx		ki95
169		SAND	Sandhill	22 01	00:00	0.8210	ST02	raw/mnx		ki95
169		UWEV	Uwekahuna Vault	02 00	01 59	0.0000	hvo6	raw/mnx		ki95
170	6/19/95	AHUA	Ahua	02 00	20 19	1.0680	hvo4	raw/mnx		ki95
170		KAEN	Kaena Point	02 00	01 58	1.0000	SR1	raw/mnx		ki95
170		KOAE	Koae Tilt	02 00	19 29	1.1170	ST07	raw/mnx		ki95
170		LACY	Lacy	02 00	19 12	1.0210	hvo2	raw/mnx		ki95
170		MANU	Lua Manu	02 00	19 05	1.3490	ST05	raw/mnx	slightly off center	ki95
170		MLST	MI Strip	02 00	01 59	1.3590	hvo3	raw/mnx		ki95
170		NENE	Kipuka Nene	02 00	01 59	1.4130	ST03	raw/mnx		ki95

Table 5c: 1995 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive formats	Comments	Campaign
170		PALI	Pali	02 00	19 43	1.2250	ST06	raw/rnx		ki95
170		SAND	Sandhill	02 00	01 59	0.8210	ST02	raw/rnx		ki95
170		UWEV	Uwekahuna Vault	02 00	01 58	0.0000	hvo6	raw/rnx		ki95
170		RLYM	Lyman ref	17 33	02 03	1.5880	ST08	raw/rnx		ki95
170		M801	BM80-1	17 55	02 01	1.1200	hvo5	raw/rnx		ki95
170		RKAL	Kaloli ref	18 05	02 00	1.1490	hvo1	raw/rnx		ki95
170		ACRE	HI Acres	18 18	02 01	1.5300	ST04	raw/rnx	slightly off center	ki95
170		HIBC	HI Beaches	19 22	02 04	1.3280	ST01	raw/rnx	slightly off center	ki95
170		KULN	Kulani Camp	23 46	01 59	1.1140	ST06	raw/rnx		ki95; ml95
171	6/20/95	HP7_	HP7	19:40	01:59	1.3350	hvo1	raw/mx	ht may be wrong in data file	ki95
171		KULN	Kulani Camp	02 00	01 59	1.1140	ST06	raw/rnx		ki95; ml95
171		MLST	MI Strip	02 00	21 42	1.3590	hvo3	raw/rnx		ki95
171		NENE	Kipuka Nene	02 00	01 59	1.4130	ST03	raw/rnx		ki95
171		SAND	Sandhill	02 00	12 18	0.8210	ST02	raw/rnx		ki95
171		STNB	Stainback Hwy	02 00	01 58	1.0350	ST07	raw/rnx		ki95
171		UWEV	Uwekahuna Vault	02 09	01 59	0.0000	hvo6	raw/rnx		ki95
171		ACRE	HI Acres	17 51	01 59	1.4140	hvo1	raw/rnx		ki95
171		MOAN	Moana Hauae	18 02	02 14	1.3940	ST08	raw/rnx		ki95
171		HIBC	HI Beaches	18 06	03 06	1.0390	ST05	raw/mx		ki95
171		FERN	Fern Forest	18 07	01 58	1.6520	ST04	raw/rnx		ki95
171		P103	Pole 103	18 31	01 59	1.0140	ST01	raw/rnx		ml95
171		1899	1899 cone	19 12	01 59	0.8040	hvo2	raw/rnx		ml95
171		MLO_	Mauna Loa	19 50	01 58	0.9960	hvo4	raw/rnx		ki95
171		MLST	MI Strip	21 44	01 59	1.3590	hvo3	raw/rnx		ki95
171		MKEA	Mauna Kea	22 25	01 59	0.8720	ST02	raw/rnx	way off center - legs all loose	ki95
171		BLDR	Boulder	23 51	01 59	1.2220	ST05	raw/rnx		ki95
172	6/21/95	HP7_	HP-7	03:00	01:59	1.3350	hvo1	raw/rnx	ht may be wrong in data file	ki95; ml95
172		1899	1899 cone	02 00	01 59	0.8040	hvo2	raw/mx		ml95
172		BLDR	Boulder	02 00	01 59	1.2220	ST05	raw/rnx		ki95; ml95
172		KULN	Kulani Camp	02 00	19 21	1.1140	ST06	raw/rnx		ki95; ml95
172		MKEA	Mauna Kea	02 00	06 35	0.8720	ST02	raw/rnx	way off center - legs all loose	ki95; ml95
172		MLO_	Mauna Loa	02 00	01 58	0.9960	hvo4	raw/rnx		ki95; ml95
172		MLST	MI Strip	02 00	01 59	1.3590	hvo3	raw/rnx		ki95; ml95

Table 5c: 1995 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive formats	Comments	Campaign
172		NENE	Kipuka Nene	02 00	20 51	1.4130	ST03	raw/mx		ki95
172		P103	Pole 103	02 00	01 59	1.0140	ST01	raw/mx		ml95
172		STNB	Stainback Hwy	02 00	17 34	1.0350	ST07	raw/mx		ki95
172		UWEV	Uwekahuna Vault	02 00	01 59	0.0000	hvo6	raw/mx		ki95; ml95
172		RLYM	Lyman Ref	17 40	02 04	1.5880	ST08	raw/mx		ki95
172		LANI	Lanipuna	17 54	01 56	1.7530	ST04	raw/mx		ki95
172		RKAL	Kaloi Ref	18 00	01 59	0.9490	hvo1	raw/mx		ki95
172		MTVW	Mountain View	18 56	01 59	1.2380	ST07	raw/mx		ki95
172		MALA	Malama Ki	20 24	01 55	1.0730	ST05	raw/mx		ki95
173	6/22/95	1899	1899 cone	02 00	22 59	0.8040	hvo2	raw/mx		ml95
173		BLDR	Boulder	02 00	19 30	1.2220	ST05	raw/mx		ki95; ml95
173		MLO	Mauna Loa	02 00	22 26	0.9960	hvo4	raw/mx		ml95
173		MLST	MI Strip	02 00	04 02	1.3590	hvo3	raw/mx		ki95; ml95
173		P103	Pole 103	02 00	01 54	1.0140	ST01	raw/mx		ml95
173		UWEV	Uwekahuna Vault	02 00	01 59	0.0000	hvo6	raw/mx		ki95; ml95
174	6/23/95	UWEV	Uwekahuna Vault	02:00	21:50	0.0000	hvo6	raw/mx		ki95
174		UWEV	Uwekahuna Vault	22:39	23:59	0.0000	hvo6	raw/mx		ki95
175	6/24/95	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/mx		ki95
176	6/25/95	MKEA	Mauna Kea	01 42	00 59	1.0230	ST07	raw/mx	slightly off center (1mm) and off level (2 units)	ki95
176		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/mx		ki95
177	6/26/95	MKEA	Mauna Kea	01 00	00 59	1.0230	ST07	raw/mx	slightly off center (1mm) and off level (2 units)	ki95
177		UWEV	Uwekahuna Vault	00:00	00:32	0.0000	hvo6	raw/mx		ki95
177		UWEV	Uwekahuna Vault	00:35	23:59	0.0000	hvo6	raw/mx		ki95
178	6/27/95	MKEA	Mauna Kea	01 00	00 59	1.0230	ST07	raw/mx	slightly off center (1mm) and off level (2 units)	ki95
178		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/mx		ki95
179	6/28/95	UWEV	Uwekahuna Vault	00:00	15:34	0.0000	hvo6	raw/mx		ki95
179		UWEV	Uwekahuna Vault	18:09	23:59	0.0000	hvo6	raw/mx		ki95
179		MKEA	Mauna Kea	01 00	18 06	1.0230	ST07	raw/mx	slightly off center (1mm) and off level (2 units)	ki95
179		1250	Mauka 1250	18 44	23 59	1.1020	ST05	raw/mx	very slightly off level	ki95

Table 5c: 1995 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive formats	Comments	Campaign
179		KAEN	Kaena Point	19 11 23:59	23 59	1.0736	SR1	raw/rnx		ki95
179		PMOO	Puu Moo	19 21 23:59	23 59	1.0190	ST06	raw/rnx		ki95
179		NALI	Nali	19 46 23:59	23 59	0.9420	ST02	raw/rnx		ki95
179		KAH	Kaaha	20 11 23:59	23 59	1.0060	ST01	raw/rnx		ki95
179		DEST	Desert	23 33 23:59	23 59	0.8960	ST07	raw/rnx		ki95
180	6/29/95	1250	Mauka 1250	00 00 23:59	23 59	1.1020	ST05	raw/rnx	very slightly off level	ki95
180		DEST	Desert	00 00 23:59	23 59	0.8960	ST07	raw/rnx		ki95
180		KAH	Kaaha	00 00 23:59	23 59	1.0060	ST01	raw/rnx		ki95
180		KAEN	Kaena Point	00 00 23:59	23 59	1.0736	SR1	raw/rnx		ki95
180		LAVA	Lava Channel	04 04 19 23	23 59	0.9500	ST08	raw/rnx		ki95
180		NALI	Nali	00 00 23:59	23 59	0.9420	ST02	raw/rnx		ki95
180		PMOO	Puu Moo	00 00 23:59	23 59	1.0190	ST06	raw/rnx		ki95
180		UWEV	Uwekahuna Vault	00:00 23:59	23:59	0.0000	hvo6	raw/rnx		ki95
181	6/30/95	1250	Mauka 1250	00 00 18 53	18 53	1.1020	ST05	raw/rnx	very slightly off level	ki95
181		DEST	Desert	00 00 23:59	23 59	0.8960	ST07	raw/rnx		ki95
181		KAH	Kaaha	00 00 18 18	18 18	1.0060	ST01	raw/rnx		ki95
181		KAEN	Kaena Point	00 00 23:59	23 59	1.0736	SR1	raw/rnx		ki95
181		LAVA	Lava Channel	04 59 00 48	00 48	1.1430	ST08	raw/rnx	wrong height in data file (1.148)	ki95
181		NALI	Nali	00 00 18 29	18 29	0.9420	ST02	raw/rnx		ki95
181		PMOO	Puu Moo	00 00 18 40	18 40	1.0190	ST06	raw/rnx		ki95
181		UWEV	Uwekahuna Vault	00:00 23:44	23:44	0.0000	hvo6	raw/rnx		ki95
182 to	7/1/95 to	UWEV	Uwekahuna Vault	00:00 23:59	23:59	0.0000	hvo6	raw/rnx		
195	7/14/95	UWEV	Mauka Kip Nene Nail	00:00 23:59	23:59	0.0000	SR1	raw/rnx		
196	7/15/95	UWEV	Uwekahuna Vault	00:00 23:59	23:59	0.0000	hvo6	raw/rnx		
196		PKMN	Mauka Kip Nene Nail	00:00 23:59	23:59	1.0400	SR1	raw/rnx	orig named 'MANE'	
197	7/16/95	UWEV	Uwekahuna Vault	00:00 23:59	23:59	0.0000	hvo6	raw/rnx		
197		PKMN	Mauka Kip Nene Nail	00:00 23:59	23:59	1.0400	SR1	raw/rnx	orig named 'MANE'	
198	7/17/95	UWEV	Uwekahuna Vault	00:00 16:24	16:24	0.0000	hvo6	raw/rnx		
198		UWEV	Uwekahuna Vault	17:57 23:44	23:44	0.0000	hvo6	raw/rnx		
198		PKMN	Mauka Kip Nene Nail	00:00 23:59	23:59	1.0400	SR1	raw/rnx	orig named 'MANE'	
199	7/18/95	UWEV	Uwekahuna Vault	00:00 23:59	23:59	0.0000	hvo6	raw/rnx		

Table 5c: 1995 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive formats	Comments	Campaign
199		PKMN	Mauka Kip Nene Nail	00:00	23:59	1.0400	SR1	raw/mnx	orig named 'MANE'	
200	7/19/95	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/mnx		
200		PKMN	Mauka Kip Nene Nail	00:00	00:55	1.0400	SR1	raw/mnx	orig named 'MANE'	
200		PKMN	Mauka Kip Nene Nail	01:46	23:59	1.0400	SR1	raw/mnx	orig named 'MANE'	
201	7/20/95	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/mnx		
201		PKMN	Mauka Kip Nene Nail	00:00	23:59	1.0400	SR1	raw/mnx	orig named 'MANE'	
202	7/21/95	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/mnx		
202		PKMN	Mauka Kip Nene Nail	00:00	23:59	1.0400	SR1	raw/mnx	orig named 'MANE'	
203	7/22/95	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/mnx		
203		PKMN	Mauka Kip Nene Nail	00:00	23:59	1.0400	SR1	raw/mnx	orig named 'MANE'	
204	7/23/95	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/mnx		
204		PKMN	Mauka Kip Nene Nail	00:00	23:59	1.0400	SR1	raw/mnx	orig named 'MANE'	
205	7/24/95	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/mnx		
206	7/25/95	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/mnx		
206		PKMN	Mauka Kip Nene Nail	00:00	23:59	1.0400	SR1	raw/mnx	orig named 'MANE'	
207	7/26/95	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/mnx		
207		PKMN	Mauka Kip Nene Nail	00:00	23:59	1.0400	SR1	raw/mnx	orig named 'MANE'	
208	7/27/95	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/mnx		
208		PKMN	Mauka Kip Nene Nail	00:00	23:59	1.0400	SR1	raw/mnx	orig named 'MANE'	
209	7/28/95	UWEV	Uwekahuna Vault	00:00	16:08	0.0000	hvo6	raw/mnx		
209		UWEV	Uwekahuna Vault	16:51	23:59	0.0000	hvo6	raw/mnx		
210	7/29/95	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/mnx		
210		MANE	Mauka Kip Nene			0.0000	SR1	raw/mnx	PERMANENT SITE INSTALLED	
211	7/30/95	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/mnx		
211		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mnx		
212	7/31/95	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/mnx		
212		MANE	Mauka Kip Nene	00:00	07:41	0.0000	SR1	raw/mnx		
213 to 226	8/1/95 to 8/14/95	UWEV MANE	Uwekahuna Vault Mauka Kip Nene	00:00 00:00	23:59 23:59	0.0000 0.0000	hvo6 SR1	raw/mnx raw/mnx		
227	8/15/95	UWEV	Uwekahuna Vault	00:00		0.0000	hvo6	raw/mnx		
227		UWEV	Uwekahuna Vault		23:59	0.0000	hvo6	raw/mnx		
227		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mnx		
228	8/16/95	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/mnx		

Table 5c: 1995 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive formats	Comments	Campaign
228		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mnx		
229	8/17/95	UWEV	Uwekahuna Vault	00:00		0.0000	hvo6	raw/mnx		
229		UWEV	Uwekahuna Vault		23:59	0.0000	hvo6	raw/mnx		
229		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mnx		
230	8/18/95	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	/mnx		
230		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	/mnx		
231	8/19/95	MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mnx		
231		PKMN	Mauka Kip Nene Nail	00:00	23:59	1.5510	hvo1	raw/mnx		
231		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/mnx		
232	8/20/95	MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mnx		
232		PKMN	Mauka Kip Nene Nail	00:00	23:59	1.5510	hvo1	raw/mnx		
232		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/mnx		
233	8/21/95	MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mnx		
233		PKMN	Mauka Kip Nene Nail	00:00	23:59	1.5510	hvo1	raw/mnx		
233		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/mnx		
234	8/22/95	KALA	Katalua			1.4850	hvo2	raw/mnx	slant height to top of pipe	tie
234		KALR	Katalua Reset			1.2970	hvo5	raw/mnx		tie
234		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mnx		
234		PKMN	Mauka Kip Nene Nail	00:00	23:59	1.5510	hvo1	raw/mnx		
234		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/mnx		
235	8/23/95	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/mnx		
243	8/31/95	MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mnx		
244	9/1/95	MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mnx		
244		MPOO	Makai Pu'u 'O'o	20:27	23:18	1.0870	hvo3	raw		sep95puo_rs
244		PKMO	Puu Kamoamao	20:09	00:03	1.0690	hvo4	raw		sep95puo_rs
244		PTTM	Pu'u 'O'o Cone	21:15	22:44	0.9240	hvo5	raw	wrong ht in data file (0.0)	sep95puo_rs
244		PUO1	Pu'u 'O'o 1	20:42	21:26	1.0720	hvo2	raw		sep95puo_rs
244		PUO2	Pu'u 'O'o 2	21:41	22:10	1.1250	hvo2	raw		sep95puo_rs
244		PUO3	Pu'u 'O'o 3	22:25	23:11	1.1130	hvo2	raw		sep95puo_rs
244		PUO4	Pu'u 'O'o 4	23:01	23:28	1.0880	hvo5	raw		sep95puo_rs
244		UWEK	Uwekahuna	18:00	04:30	1.5050	hvo1	raw		sep95puo_rs
244		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/mnx		

Table 5c: 1995 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive formats	Comments	Campaign
245	9/2/95 to 9/7/95	UWEV MANE	Uwekahuna Vault Mauka Kip Nene	00:00 00:00	23:59 23:59	0.0000 0.0000	hvo6 SR1	raw/rmx raw/rmx		
251	9/8/95	UWEV	Uwekahuna Vault	00:00	01:05	0.0000	hvo6	raw/rmx		
251		UWEV	Uwekahuna Vault	01:08	23:59	0.0000	hvo6	raw/rmx		
251		MANE	Mauka Kip Nene	00:00	01:09	0.0000	SR1	raw/rmx		
251		MANE	Mauka Kip Nene	01:11	23:59	0.0000	SR1	raw/rmx		
252	9/9/95	KOAE	Koae	00:00	23:59	1.0910	hvo5	raw/rmx		sep95coc
252		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rmx		sep95coc
252		MANU	Lua Manu	02:05	23:59	1.1010	hvo3	raw/rmx	sse antenna	sep95coc
252		PALI	Pali	00:37	23:59	1.0770	hvo5	raw/rmx	antenna #1	sep95coc
252		SAND	Sandhill	00:00	22:59	0.9910	hvo4	raw/rmx		sep95coc
252		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/rmx		sep95coc
253	9/10/95	KOAE	Koae	00:00	23:59	1.0910	hvo5	raw/rmx		sep95coc
253		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rmx		sep95coc
253		MANU	Lua Manu	00:00	23:59	1.1010	hvo3	raw/rmx	sse antenna (or #5?)	sep95coc
253		PALI	Pali	00:00	23:59	1.0770	hvo5	raw/rmx	antenna #1	sep95coc
253		SAND	Sandhill	00:00	22:01	0.9910	hvo4	raw/rmx		sep95coc
253		UWEV	Uwekahuna Vault	04:57	23:59	0.0000	hvo6	raw/rmx		sep95coc
254	9/11/95	KOAE	Koae	00:00	21:28	1.0910	hvo1	raw/rmx		sep95coc
254		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rmx		sep95coc
254		MANU	Lua Manu	00:00	23:59	1.1010	hvo3	raw/rmx	sse antenna (or #5?)	sep95coc
254		PALI	Pali	00:00	23:59	1.0770	hvo5	raw/rmx	antenna #1	sep95coc
254		SAND	Sandhill	00:00	22:01	0.9910	hvo4	raw/rmx		sep95coc
254		UWEV	Uwekahuna Vault	00:00	23:25	0.0000	hvo6	raw/rmx		sep95coc
255	9/12/95	69FL	69 Flow	03:34	23:59	1.2570	hvo5	raw/rmx	antenna 3	sep95coc
255		GOTE	Goat Reset	02:51	23:59	1.2470	hvo1	raw/rmx	60 sec data rate	sep95coc
255		HILI	Hilina	01:40	23:59	1.1000	hvo2	raw/rmx		sep95coc
255		KAEN	Kaena	01:53	23:59	1.0890	hvo4	raw/rmx		sep95coc
255		MANE	Mauka Kip Nene	00:00	23:55	0.0000	SR1	raw/rmx		sep95coc

Table 5c: 1995 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive formats	Comments	Campaign
255		MANU	Lua Manu	01:11	23:59	1.1050	hvo3	raw/rnx	antenna #5	sep95coc
255		UWEV	Uwekahuna Vault	00:18	23:59	0.0000	hvo6	raw/rnx		sep95coc
256	9/13/95	GOTE	Goat Reset	00:00	23:59	1.2470	hvo1	raw/rnx	60 sec data rate	sep95coc
256		Hili	Hilina	00:00	00:55	1.1000	hvo2	raw/rnx		sep95coc
256		KAEN	Kaena	00:00	23:59	1.0890	hvo4	raw/rnx		sep95coc
256		LAVA	Lava	01:43	23:39	1.0310	hvo3	raw/rnx	antenna # 5	sep95coc
256		MANE	Mauka Kip Nene	00:11	23:59	0.0000	SR1	raw/rnx		sep95coc
256		MLST	ML Strip	02:31	23:59	1.6280	hvo2	raw/rnx	slightly off center and level	sep95coc
256		PULU	Puu Huluhulu Reset	02:15	23:59	1.0470	hvo5	raw/rnx	antenna #3, loose	sep95coc
256		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/rnx		sep95coc
257	9/14/95	BLDR	Boulder	04:37	23:59	1.0130	hvo3	raw/rnx		sep95coc
257		DEST	Desert	02:36	23:59	0.8200	hvo4	raw/rnx		sep95coc
257		GOTE	Goat Reset	00:00	23:59	1.2470	hvo1	raw/rnx	60 sec data rate	sep95coc
257		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		sep95coc
257		MLST	ML Strip	00:00	23:59	1.6280	hvo2	raw/rnx		sep95coc
257		UWEK	Uwekahuna	20:11	23:59	1.4890	hvo5	raw/rnx		sep95coc
257		UWEV	Uwekahuna Vault	00:00	23:53	0.0000	hvo6	raw/rnx		sep95coc
258	9/15/95	BLDR	Boulder	00:00	17:09	1.0130	hvo3	raw/rnx		sep95coc
258		DEST	Desert	00:00	23:39	0.8200	hvo4	raw/rnx		sep95coc
258		GOTE	Goat Reset	00:00	22:07	1.2470	hvo5	raw/rnx	recvr switched periodically;same antenna;60 sec r	sep95coc
258		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		sep95coc
258		MLST	ML Strip	00:00	19:22	1.6280	hvo2	raw/rnx		sep95coc
258		UWEV	Uwekahuna Vault	00:02	17:10	0.0000	hvo6	raw/rnx		sep95coc
258		UWEK	Uwekahuna	00:00	23:59	1.4890	hvo5	raw/rnx		sep95coc
259	9/16/95 to	GOTE	Goat Reset	00:00	23:59	1.2470	hvo5	rnx	recvr switched periodically;same antenna;60 sec rate	
270	9/27/95	MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
270		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/rnx		
271	9/28/95	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/rnx		
271		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
271		GOTE	Goat Reset	00:00	23:59	1.2470	hvo5	raw/rnx	recvr switched periodically;same antenna;60 sec rate	

Table 5c: 1995 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive formats	Comments	Campaign
271		LEIL	Leilani	00:11	00:35	1.6660	hvo3	raw	actually day 272	sep95ler_rs
271		LEIL	Leilani	20:23	20:41	1.4920	hvo3	raw		sep95ler_rs
271		MALA	Malama Ki	00:20		1.0170	hvo2	raw	actually day 272	sep95ler_rs
271		MALA	Malama Ki	19:47	20:05	1.0390	hvo2	raw		sep95ler_rs
271		HIBC	Hawaiian Beaches	01:08	01:28	1.6960	hvo3	raw	actually day 272	sep95ler_rs
271		HIBC	Hawaiian Beaches	18:53	19:05	1.6350	hvo3	raw		sep95ler_rs
271		HONL	Honolulu Landing	18:27	01:15	1.2320	hvo3	raw	ended on day 272	sep95ler_rs
271		MOAN	Moana Hauae	18:30	01:00	0.9110	hvo1	raw	antenna 5. ended on day 272	sep95ler_rs
271		KAMA	Kamalii	19:19	19:27	1.2100	hvo2	raw		sep95ler_rs
271		KAMA	Kamalii	23:45	00:05	1.0490	hvo2	raw		sep95ler_rs
271		PIKI	Pohoiki	19:49	20:04	1.4530	hvo3	raw		sep95ler_rs
271		NANA	Nanawale	20:33	21:01	1.0850	hvo2	raw		sep95ler_rs
271		LANI	Lanipuna	20:58	21:13	1.5420	hvo3	raw		sep95ler_rs
271		PAHO	HVO 86-1	21:20	21:40	1.3165	hvo2	raw		sep95ler_rs
271		PIKI	Pohoiki	21:28	21:43	1.5840	hvo3	raw		sep95ler_rs
271		76YY	76YY	21:50	22:05	1.0060	hvo2	raw		sep95ler_rs
271		SKAP	HVO 86-33	22:05	22:20	1.7330	hvo3	raw		sep95ler_rs
271		66YY	66YY Reset	22:20	22:45	1.0800	hvo2	raw		sep95ler_rs
271		HVO7	HVO 7	22:37	22:52	1.6340	hvo3	raw		sep95ler_rs
271		V207	HVO 207	23:01	23:30	1.3210	hvo2	raw		sep95ler_rs
271		NKAP	HVO 86-40	23:09	23:24	1.6860	hvo3	raw		sep95ler_rs
271		WKAP	153YY	23:42	23:54	1.4380	hvo3	raw		sep95ler_rs
272	9/29/95	GOTE	Goat Reset	00:00	23:59	1.2470	hvo5	raw/rnx	recvr switched periodically;same antenna;60 sec rate	
272		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
272		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/rnx		
273	9/30/95	GOTE	Goat Reset	00:00	23:59	1.2470	hvo5	raw/rnx	recvr switched periodically;same antenna;60 sec rate	
273		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
273		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/rnx		
274	10/1/95	GOTE	Goat Reset	00:00	23:59	1.2470	hvo5	raw/rnx	recvr switched periodically;same antenna;60 sec rate	
274		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
274		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/rnx		
275	10/2/95	GOTE	Goat Reset	00:00	23:59	1.2470	hvo5	raw/rnx	recvr switched periodically;same antenna;60 sec rate	
275		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
275		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/rnx		

Table 5c: 1995 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive formats	Comments	Campaign
276	10/3/95	GOTE	Goat Reset	00:00	23:59	1.2470	hvo5	raw/rnx	recvr switched periodically;same antenna;60 sec rate	
276		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
276		UWEV	Uwekahuna Vault	00:00	01:29	0.0000	hvo6	raw/rnx		
276		UWEV	Uwekahuna Vault	01:32	23:59	0.0000	hvo6	raw/rnx		
277	10/4/95	GOTE	Goat Reset	00:00	23:59	1.2470	hvo5	raw/rnx	recvr switched periodically;same antenna;60 sec rate	
277		MANE	Mauka Kip Nene	00:00	03:07	0.0000	SR1	raw/rnx		
277		MANE	Mauka Kip Nene	03:10	23:59	0.0000	SR1	raw/rnx		
277		UWEV	Uwekahuna Vault	00:00	01:29	0.0000	hvo6	raw/rnx		
278	10/5/95	GOTE	Goat Reset	00:00	23:59	1.2470	hvo5	raw/rnx	recvr switched periodically;same antenna;60 sec rate	
278		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
278		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/rnx		
279	10/6/95	GOTE	Goat Reset	00:00	23:59	1.2470	hvo5	raw/rnx	recvr switched periodically;same antenna;60 sec rate	
279		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
279		UWEV	Uwekahuna Vault	00:00		0.0000	hvo6	raw/rnx		
279		UWEV	Uwekahuna Vault		23:59	0.0000	hvo6	raw/rnx		
280	10/7/95	GOTE	Goat Reset	00:00	23:59	1.2470	hvo5	raw/rnx	recvr switched periodically;same antenna;60 sec rate	
280		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
280		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/rnx		
281	10/8/95	GOTE	Goat Reset	00:00		1.2470	hvo5	raw/rnx	recvr switched periodically;same antenna;60 sec rate	
281		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
281		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/rnx		
282	10/9/95	UWEV	Uwekahuna Vault	00:00		0.0000	hvo6	raw/rnx		
282		UWEV	Uwekahuna Vault		23:59	0.0000	hvo6	raw/rnx		
282		MANE	Mauka Kip Nene	00:00		0.0000	SR1	raw/rnx		
282		MANE	Mauka Kip Nene		23:59	0.0000	SR1	raw/rnx		
283 to 290	10/10/95 to 10/17/95	UWEV to MANE	Uwekahuna Vault to Mauka Kip Nene	00:00 to 00:00	23:59 to 23:59	0.0000 to 0.0000	hvo6 to SR1	raw/rnx to raw/rnx		
291	10/18/95	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/rnx	oct95ki_rs	
291		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx	oct95ki_rs	
291		UWEK	Uwekahuna	18:03	02:11	1.4730	hvo3	raw	oct95ki_rs	
291		SAND	Sandhill	18:45	01:54	1.2830	hvo5	raw	oct95ki_rs	
291		VO34	HVO 34	19:14	19:32	1.1400	hvo2	raw	oct95ki_rs	
291		KNKK	Keanakakoi	19:59	20:15	1.1300	hvo2	raw	very slightly off center	

Table 5c: 1995 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive formats	Comments	Campaign
291		92YY	92YY	20:47	21:03	1.0910	hvo2	raw		oct95ki_rs
291		V118	HVO 118	21:32	21:49	1.2840	hvo2	raw		oct95ki_rs
291		KNKK	Keanakakoi	23:02	23:19	1.0950	hvo2	raw		oct95ki_rs
291		VO34	HVO 34	23:36	23:55	1.0580	hvo2	raw		oct95ki_rs
292	10/19/95	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/rnx		oct95ki_rs
292		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		oct95ki_rs
292		ESCP	Escape Road	01:31	18:08	1.1310	hvo2	raw		oct95ki_rs
292		V118	HVO 118	12:15	12:29	1.1810	hvo2	raw	very slightly off level	oct95ki_rs
292		92YY	92YY	12:49	01:03	1.0180	hvo2	raw		oct95ki_rs
292		PALI	Pali	21:26	23:59	1.0650	hvo4	raw		oct95ki_rs
293	10/20/95	MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
293		PALI	Pali	12:00	02:04	1.0650	hvo4	raw		oct95ki_rs
293		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/rnx		
294	10/21/95	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/rnx		
294		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
295	10/22/95	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/rnx		
295		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
296	10/23/95	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/rnx		
296		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
297	10/24/95	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/rnx	started day297, ended 298	
297		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
298	10/25/95	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/rnx		h195
298		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		h195
298		JUDD	Judd Trail	01:49	19:05	1.2900	hvo3	raw/rnx		h195
298		MORC	Moore Crater	03:40	20:50	1.3610	hvo1	raw/rnx		h195
298		MAAU	Maaui	04:21	21:50	0.9440	hvo4	raw/rnx		h195
298		KALK	Kaloko	20:42	23:59	0.9770	hvo5	raw/rnx		h195
298		KIPA	Kipahee	21:03	23:59	0.9590	hvo2	raw/rnx		h195
299	10/26/95	UWEV	Uwekahuna Vault	00:00	15:39	0.0000	hvo6	raw/rnx		h195
299		UWEV	Uwekahuna Vault	17:47	23:59	0.0000	hvo6	raw/rnx		h195

Table 5c: 1995 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive formats	Comments	Campaign
299		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		hl95
299		KIPA	Kipahee	00:00	23:59	0.9590	hvo2	raw/mx		hl95
299		KALK	Kaloko	00:00	23:59	0.9770	hvo5	raw/mx		hl95
299		KEHU	Kaupulehu	00:14	19:26	0.9640	hvo4	raw/mx		hl95
299		1800	1800 Flow	01:27	21:26	1.6200	hvo1	raw/mx		hl95
299		HALE	Puu Hale	03:46	19:37	0.9150	hvo3	raw/mx		hl95
300	10/27/95	KALK	Kaloko	00:00	23:22	0.9770	hvo5	raw/mx		hl95
300		KIPA	Kipahee	00:00	19:28	0.9590	hvo2	raw/mx		hl95
300		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		hl95
300		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	hvo6	raw/mx		hl95
300		MALE	Malekule	03:01	20:26	0.9200	hvo3	raw/mx		hl95
301 to 365	0/28/95 to 12/31/95	UWEV MANE	Uwekahuna Vault Mauka Kip Nene	00:00 00:00	23:59 23:59	0.0000 0.0000	hvo6 SR1	raw/mx raw/mx		
										.

Table 5d: 1996 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive format	Comments	Campaign
001 to 017	1/1/96 to 1/17/96	UWEV MANE	Uwekahuna Vault Mauka Kip Nene	00:00 00:00	23:59 23:59	0.0000 0.0000	HVO6 SR1	raw/mx raw/rnx		
018	1/18/96	66YY	66YY Reset	19:25	19:41	1.2030	HVO5	raw		lerjan96_rs
018		66YY	66YY Reset	23:21	23:31	1.1250	HVO5	raw		lerjan96_rs
018		76YY	76YY	19:59	20:15	1.2750	HVO5	raw		lerjan96_rs
018		76YY	76YY	22:49	23:05	1.2610	HVO5	raw		lerjan96_rs
018		HIBC	Hawaiian Beaches	18:54	19:12	1.5640	HVO5	raw		lerjan96_rs
018		HONL	Honolulu Landing	18:21	23:32	0.9665	HVO3	raw/rnx		lerjan96_rs
018		HVO7	Kapoho	20:46	21:06	1.6120	HVO4	raw		lerjan96_rs
018		KAMA	Kamalii	18:39	18:56	1.0840	HVO1	raw		lerjan96_rs
018		KAMA	Kamalii	22:59	23:24	1.4370	HVO1	raw		lerjan96_rs
018		LANI	Lanipuna	21:04	21:33	1.3660	HVO1	raw		lerjan96_rs
018		LEIL	Leilani Estates	20:30	20:46	1.3730	HVO5	raw		lerjan96_rs
018		MALA	Malama Ki	19:45	20:04	1.0720	HVO1	raw		lerjan96_rs
018		MALA	Malama Ki	22:20	22:40	1.4120	HVO5	raw		lerjan96_rs
018		MANE	Mauka Kipuka Nene	00:00	23:59	0.0000	SR1	raw/mx		lerjan96_rs
018		MOAN	Moana Hauae	18:07	23:44	0.9320	HVO2	raw/rnx		lerjan96_rs
018		NANA	Nanawale	20:04	20:25	1.6520	HVO4	raw		lerjan96_rs
018		NIKAP	North Kapoho	21:24	21:40	1.6980	HVO4	raw		lerjan96_rs
018		PAHO	Pahoa	19:29	19:48	1.6280	HVO4	raw		lerjan96_rs
018		PIKI	Poholiki	20:28	20:45	1.1220	HVO1	raw		lerjan96_rs
018		PIKI	Poholiki	21:46	22:03	1.3680	HVO1	raw		lerjan96_rs
018		RSKP	South Kapoho Reset	22:41	23:01	1.4020	HVO4	raw		lerjan96_rs
018		SKAP	South Kapoho	22:04	22:27	1.7940	HVO4	raw		lerjan96_rs
018		UHEX	UH Experiment Farm	21:11	21:29	1.2890	HVO5	raw		lerjan96_rs
018		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		lerjan96_rs
018		V207	HVO207	18:50	19:06	1.4330	HVO5	raw		lerjan96_rs
018		WKAP	West Kapoho	22:04	22:19	1.2850	HVO5	raw		lerjan96_rs
19 to 022	1/19/96 to 1/22/96	UWEV MANE	Uwekahuna Vault Mauka Kip Nene	00:00 00:00	23:59 23:59	0.0000 0.0000	HVO6 SR1	raw/mx raw/rnx		
023	1/23/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		jan96ml
023		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		jan96ml

Table 5d: 1996 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive format	Comments	Campaign
023		WAIH	Waihaka Gulch	00:00	23:59	1.3140	HVO5	raw/rnx		jan96ml
023		MOAU	Moaula	01:07	23:59	0.9510	HVO5	raw/rnx		jan96ml
023		HINA	Pohina	02:24	23:59	0.8980	HVO2	raw/rnx		jan96ml
023		AKLA	Kipuka Akala	03:19	23:59	0.8040	HVO1	raw/rnx		jan96ml
024	1/24/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		jan96ml
024		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		jan96ml
024		WAIH	Waihaka Gulch	00:00	23:59	1.3140	HVO5	raw/rnx		jan96ml
024		MOAU	Moaula	00:00	23:59	0.9510	HVO5	raw/rnx		jan96ml
024		HINA	Pohina	00:00	23:59	0.8980	HVO2	raw/rnx		jan96ml
024		AKLA	Kipuka Akala	00:00	23:59	0.8040	HVO1	raw/rnx		jan96ml
025	1/25/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		jan96ml
025		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		jan96ml
025		WAIH	Waihaka Gulch	00:00	22:58	1.3140	HVO5	raw/rnx		jan96ml
025		MOAU	Moaula	00:00	23:59	0.9510	HVO5	raw/rnx		jan96ml
025		HINA	Pohina	00:00	21:12	0.8980	HVO2	raw/rnx		jan96ml
025		AKLA	Kipuka Akala	00:00	23:59	0.8040	HVO1	raw/rnx		jan96ml
026	1/26/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		
026		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
027	1/27/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		
027		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
028	1/28/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		
028		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
029	1/29/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		
029		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
030	1/30/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		
030		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
031	1/31/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		
031		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
031		MLST	Mauna Loa Strip	20:59	23:59	1.5580	HVO5	raw/rnx		
031		HILI	Hiliina Pali	21:05	23:59	1.0040	HVO4	raw/rnx		
031		LAVA	Lava Channel	22:57	23:59	1.1420	HVO3	raw/rnx		
031		KAEN	Kaena Point	23:31	23:59	1.0810	HVO1	raw/rnx		

Table 5d: 1996 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive format	Comments	Campaign
032	2/1/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		feb0196coc
032		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		feb0196coc
032		MLST	Mauna Loa Strip	00:00	23:59	1.5580	HVO5	raw/mx		feb0196coc
032		HILI	Hilina Pali	00:00	23:59	1.0040	HVO4	raw/mx		feb0196coc
032		LAVA	Lava Channel	00:00	23:59	1.1420	HVO3	raw/mx		feb0196coc
032		KAEN	Kaena Point	00:00	23:59	1.0810	HVO1	raw/mx		feb0196coc
032		BLDR	Boulder	03:15	23:59	1.0070	HVO2	raw/mx		feb0196coc
033	2/2/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		feb96coca
033		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		feb96coca
033		MLST	Mauna Loa Strip	00:00	20:39	1.5580	HVO5	raw/mx		feb96coca
033		HILI	Hilina Pali	00:00	23:59	1.0040	HVO4	raw/mx		feb96coca
033		LAVA	Lava Channel	00:00	21:43	1.1420	HVO3	raw/mx		feb96coca
033		KAEN	Kaena Point	00:00	22:11	1.0810	HVO1	raw/mx		feb96coca
033		BLDR	Boulder	00:00	23:59	1.0070	HVO2	raw/mx		feb96coca
034	2/3/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		feb96coca
034		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		feb96coca
034		HILI	Hilina Pali	00:00	00:08	1.0040	HVO4	raw/mx		feb96coca
034		BLDR	Boulder	00:00	16:33	1.0070	HVO2	raw/mx		feb96coca
034		GOTE	Goat Reset	00:00	23:59	1.0010	HVO3	raw/mx		feb96coca
034		KAEN	Kaena Point	00:00	23:59	1.0810	HVO1	raw/mx		feb96coca
034		KOAE	Koae Tilt	01:28	23:59	1.1020	HVO5	raw/mx		feb96coca
034		PALI	Pali	01:36	23:59	1.0060	HVO4	raw/mx		feb96coca
034		SAND	Sandhill	23:03	23:59	0.9510	HVO2	raw/mx		feb96coca
035	2/4/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		feb96coca
035		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		feb96coca
035		SAND	Sandhill	00:00	23:59	0.9510	HVO2	raw/mx		feb96coca
035		GOTE	Goat Reset	00:00	23:59	1.0010	HVO3	raw/mx		feb96coca
035		KAEN	Kaena Point	00:00	23:59	1.0810	HVO1	raw/mx		feb96coca
035		KOAE	Koae Tilt	01:28	23:59	1.1020	HVO5	raw/mx		feb96coca
035		PALI	Pali	00:00	23:59	1.0060	HVO4	raw/mx		feb96coca
036	2/5/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		feb96coca

Table 5d: 1996 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive format	Comments	Campaign
036		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		feb96coca
036		SAND	Sandhill	00:00	23:59	0.9510	HVO2	raw/mx		feb96coca
036		GOTE	Goat Reset	00:00	23:59	1.0010	HVO3	raw/mx		feb96coca
036		KAEN	Kaena Point	00:00	23:27	1.0810	HVO1	raw/mx		feb96coca
036		KOAE	Koae Tilt	00:00	23:59	1.1020	HVO5	raw/mx		feb96coca
036		PALI	Pali	00:00	23:59	1.0060	HVO4	raw/mx		feb96coca
037	2/6/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		feb96coca
037		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		feb96coca
037		KOAE	Koae Tilt	00:00	00:34	1.1020	HVO5	raw/mx		feb96coca
037		PALI	Pali	00:00	02:45	1.0060	HVO4	raw/mx		feb96coca
037		GOTE	Goat Reset	00:00	02:25	1.0010	HVO3	raw/mx		feb96coca
037		SAND	Sandhill	00:00	23:59	0.9510	HVO2	raw/mx		feb96coca
037		69FL	69 flow	00:29	23:59	1.1100	HVO1	raw/mx		feb96coca
037		DEST	Desert	02:20	23:59	0.9010	HVO5	raw/mx		feb96coca
037		PULU	Puu Huluhulu Reset	03:21	23:59	1.0590	HVO3	raw/mx		feb96coca
037		MANU	Lua Manu	03:33	23:59	0.9740	HVO4	raw		feb96coca
038	2/7/96	UWEV	Uwekahuna Vault	00:00	02:04	0.0000	HVO6	raw/mx		feb96coca
038		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		feb96coca
038		SAND	Sandhill	00:00	01:50	0.9510	HVO2	raw/mx		feb96coca
038		69FL	69 flow	00:00	00:31	1.1100	HVO1	raw/mx		feb96coca
038		DEST	Desert	00:00	01:25	0.9010	HVO5	raw/mx		feb96coca
038		PULU	Puu Huluhulu Reset	00:00	00:15	1.0590	HVO3	raw/mx		feb96coca
038		MANU	Lua Manu	00:00	00:58	0.9740	HVO4	raw/mx		feb96coca
038		UWEK	Uwekahuna	20:33	23:41	1.4020		raw		puo296_rs
038		PUO1	Puu Oo 1	21:33	22:05	0.9480	HVO3	raw		puo296_rs
038		PUO2	Puu Oo 2	21:51	22:34	1.0060	HVO4	raw		puo296_rs
038		PUO3	Puu Oo 3	22:21	22:51	0.9550	HVO3	raw		puo296_rs
038		MPOO	Makai Puu Oo	21:17	23:06	0.8990	HVO1	raw	wrong height in data file (.889)	puo296_rs
038		PKMO	Puu Kamoamo	20:58	23:59	0.9960	HVO5	raw		puo296_rs
039	2/8/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		
039		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		
040		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		
040		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		

Table 5d: 1996 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive format	Comments	Campaign
041		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		
041		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		
042		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		
042		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		
043		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		
043		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		
044	2/13/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		feb96cocb
044		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		feb96cocb
044		MLST	ML Strip	22:00	23:59	1.3600	HVO2	raw/mx		feb96cocb
045	2/14/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		feb96cocb
045		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		feb96cocb
045		MLST	ML Strip	00:00	23:59	1.3600	HVO2	raw/mx		feb96cocb; 96ml
045		LAVA	Lava Channel	01:57	23:59	0.9060	HVO4	raw/mx		feb96cocb
045		HILI	Hilina Pali	01:23	23:59	0.9920	HVO1	raw/mx		feb96cocb
045		BLDR	Boulder	02:43	23:59	0.9630	HVO5	raw/mx		feb96cocb; 96ml
046	2/15/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		feb96cocb
046		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		feb96cocb
046		MLST	ML Strip	00:00	20:19	1.3600	HVO2	raw/mx		feb96cocb; 96ml
046		LAVA	Lava Channel	00:00	23:59	0.9060	HVO4	raw/mx		feb96cocb
046		HILI	Hilina Pali	00:00	23:10	0.9920	HVO1	raw/mx		feb96cocb
046		BLDR	Boulder	00:00	23:59	0.9630	HVO5	raw/mx		feb96cocb; 96ml
046		MANU	Lua Manu	22:47	23:59	0.9240	HVO2	raw/mx		feb96cocb
047	2/16/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		feb96cocb
047		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		feb96cocb
047		BLDR	Boulder	00:00	16:31	0.9630	HVO5	raw/mx		feb96cocb; 96ml
047		PULU	Puu Huluhulu Reset	00:30	23:02	1.0430	HVO3	raw/mx		feb96cocb
047		69FL	69 flow	00:56	22:46	1.0380	HVO1	raw/mx		feb96cocb
047		DEST	Desert	01:00	23:59	0.7970	HVO4	raw/mx		feb96cocb
047		MANU	Lua Manu	00:00	22:27	0.9240	HVO2	raw/mx		feb96cocb
047		PALI	Pali	23:28	23:59	1.0110	HVO1	raw/mx		feb96cocb
048	2/17/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		feb96cocb

Table 5d: 1996 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive format	Comments	Campaign
048		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		feb96cocb
048		KOAE	Koae Tilt	00:00	23:59	0.8070	HVO5	raw/rnx		feb96cocb
048		PALI	Pali	00:00	23:59	1.0110	HVO1	raw/rnx		feb96cocb
048		SAND	Sandhill	00:00	23:59	1.0840	HVO2	raw/rnx		feb96cocb
048		KAEN	Kaena Point	00:00	23:59	0.9630	HVO3	raw/rnx		feb96cocb
048		DEST	Desert	00:00	00:38	0.7970	HVO4	raw/rnx		feb96cocb
049	2/18/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		feb96cocb
049		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		feb96cocb
049		KOAE	Koae Tilt	00:00	23:59	0.8070	HVO5	raw/rnx		feb96cocb
049		PALI	Pali	00:00	23:59	1.0110	HVO1	raw/rnx		feb96cocb
049		SAND	Sandhill	00:00	23:59	1.0840	HVO2	raw/rnx		feb96cocb
049		KAEN	Kaena Point	00:00	23:59	0.9630	HVO3	raw/rnx		feb96cocb
049		GOTE	Goat Reset	00:00	23:59	1.5190	HVO4	raw/rnx	tripod knocked over-prob. happened day051	feb96cocb
050	2/19/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		feb96cocb
050		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		feb96cocb
050		KOAE	Koae Tilt	00:00	23:59	0.8070	HVO5	raw/rnx		feb96cocb
050		PALI	Pali	00:00	23:59	1.0110	HVO1	raw/rnx		feb96cocb
050		SAND	Sandhill	00:00	23:59	1.0840	HVO2	raw/rnx		feb96cocb
050		KAEN	Kaena Point	00:00	23:59	0.9630	HVO3	raw/rnx		feb96cocb
050		GOTE	Goat Reset	00:00	23:59	1.5190	HVO4	raw/rnx	tripod knocked over-prob. happened day051	feb96cocb
051	2/20/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		feb96cocb
051		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		feb96cocb
051		KOAE	Koae Tilt	00:00	13:01	0.8070	HVO5	raw/rnx		feb96cocb
051		SAND	Sandhill	00:00	15:43	1.0840	HVO2	raw/rnx		feb96cocb
051		PALI	Pali	00:00	13:22	1.0110	HVO1	raw/rnx		feb96cocb
051		GOTE	Goat Reset	21:34	23:59	1.5190	HVO4	raw/rnx	tripod knocked over-prob. happened day051	feb96cocb
052	2/21/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		
052		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
052		GOTE	Goat Reset	00:00	23:59	0.9430	HVO4	raw/rnx		
53 to	2/22/96 to	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		

Table 5d: 1996 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive format	Comments	Campaign
056	2/25/96	MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		
057	2/26/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		
057		MANE	Mauka Kip Nene	00:00	21:24	0.0000	SR1	raw/mx		
057		MANE	Mauka Kip Nene	21:26	23:59	0.0000	SR1	raw/mx		
058	2/27/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		
058		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		
059	2/28/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		
059		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		
060	2/29/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		
060		MANE	Mauka Kip Nene	00:00	22:17	0.0000	SR1	raw/mx		
060		MANE	Mauka Kip Nene	22:19	23:59	0.0000	SR1	raw/mx		
61 to 107	3/1/96 to 4/16/97	UWEV MANE	Uwekahuna Vault Mauka Kip Nene	00:00 00:00	23:59 23:59	0.0000 0.0000	HVO6 SR1	raw/mx raw/mx		
108	4/17/96	KALK	Kaloko	18:41	23:59	1.0210	HVO3	raw/mx	rcvr time was utc - raw files are kalk109, kalk1	hl96
108		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		hl96
108		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		hl96
109	4/18/96	KALK	Kaloko	00:00	13:59	1.0210	HVO3	raw/mx	rcvr time was utc - raw files are kalk109, kalk1	hl96
109		KALK	Kaloko	14:00	01:03	1.0210	HVO3	raw/mx		hl96
109		JUDD	Judd Trail	00:00	20:00	1.0640	HVO5	raw/mx		hl96
109		MORC	Moore Crater	00:32	19:25	1.1970	HVO4	raw/mx		hl96
109		MAAU	Puu Maa	01:44	18:58	0.9840	HVO2	raw/mx		hl96
109		KIPA	Kipahee	02:24	17:44	0.9640	HVO1	raw/mx		hl96
109		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		hl96
109		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		hl96
110	4/19/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		
110		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		
111	4/20/96	SAND	Sandhill	00:59	23:59	1.0830	HVO2	raw/mx		apr96coc
111		KAEN	Kaena	02:28	23:59	1.0960	HVO3	raw/mx		apr96coc
111		PALI	Pali	02:09	23:59	1.0180	HVO5	raw/mx		apr96coc
111		GOTE	Goat Reset	01:13	23:59	0.9930	HVO1	raw/mx		apr96coc
111		KOAE	Koae Tilt	01:45	23:59	0.8720	HVO4	raw/mx		apr96coc

Table 5d: 1996 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive format	Comments	Campaign
111		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		apr96coc
111		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		apr96coc
112	4/21/96	SAND	Sandhill	00:00	23:59	1.0830	HVO2	raw/mx		apr96coc
112		KAEN	Kaena	00:00	23:59	1.0960	HVO3	raw/mx		apr96coc
112		PALI	Pali	00:00	23:59	1.0180	HVO5	raw/mx		apr96coc
112		GOTE	Goat Reset	00:00	23:59	0.9930	HVO1	raw/mx		apr96coc
112		KOAE	Koae Tilt	00:00	23:59	0.8720	HVO4	raw/mx		apr96coc
112		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		apr96coc
112		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		apr96coc
113	4/22/96	SAND	Sandhill	00:00	22:01	1.0830	HVO2	raw/mx		apr96coc
113		KAEN	Kaena	00:00	23:59	1.0960	HVO3	raw/mx		apr96coc
113		PALI	Pali	00:00	23:59	1.0180	HVO5	raw/mx		apr96coc
113		GOTE	Goat Reset	00:00	23:59	0.9930	HVO1	raw/mx		apr96coc
113		KOAE	Koae Tilt	00:00	23:59	0.8720	HVO4	raw/mx		apr96coc
113		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		apr96coc
113		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		apr96coc
114	4/23/96	KAEN	Kaena	00:00	03:39	1.0960	HVO3	raw/mx		apr96coc
114		GOTE	Goat Reset	00:00	01:54	0.9930	HVO1	raw/mx		apr96coc
114		MANU	Lua Manu	01:48	21:59	0.9660	HVO4	raw/mx		apr96coc
114		LAVA	Lava Channel	04:46	21:23	1.0380	HVO3	raw/mx		apr96coc
114		BLDR	Boulder	04:45	23:59	0.9230	HVO1	raw/mx		apr96coc
114		MLST	ML Strip	00:20	23:59	1.5740	HVO2	raw/mx		apr96coc
114		HILI	Hilina	01:03	23:59	0.8780	HVO5	raw/mx		apr96coc
114		69FL	69 Flow	21:48	23:59	1.0070	HVO3	raw/mx		apr96coc
114		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		apr96coc
114		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		apr96coc
115	4/24/96	69FL	69 Flow	00:00	23:49	1.0070	HVO3	raw/mx		apr96coc
115		DEST	Desert (HVO37)	00:00	23:59	0.7550	HVO4	raw/mx		apr96coc
115		PULU	Puu Huluhulu Reset	01:08	23:59	1.0470	HVO5	raw/mx		apr96coc
115		BLDR	Boulder	00:00	16:05	0.9230	HVO1	raw/mx		apr96coc;96ml
115		MLST	ML Strip	00:00	23:59	1.5740	HVO2	raw/mx		apr96coc;96ml
115		PWRL	Powerline	18:56	23:59	0.8960	HVO1	raw/mx		apr96coc;96ml

Table 5d: 1996 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive format	Comments	Campaign
115		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		apr96coc
115		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		apr96coc
116	4/25/96	DEST	Desert (HVO37)	00:00	23:59	0.7550	HVO4	raw/rnx		apr96coc
116		PULU	Puu Huluhulu Reset	00:00	23:59	1.0470	HVO5	raw/rnx		apr96coc
116		MLST	ML Strip	00:00	23:59	1.5740	HVO2	raw/rnx		apr96coc;96ml
116		PWRL	Powerline	00:00	23:59	0.8960	HVO1	raw/rnx		apr96coc;96ml
116		UWEK	Uwekahuna	00:23	23:59	1.3080	HVO3	raw/rnx		apr96coc
116		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		apr96coc
116		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		apr96coc
117	4/26/96	DEST	Desert (HVO37)	00:00	0:54	0.7550	HVO4	raw/rnx		apr96coc
117		UWEK	Uwekahuna	00:00	00:50	1.3080	HVO3	raw/rnx		apr96coc
117		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		apr96coc
117		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		apr96coc
118	4/27/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		
118		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
119	4/28/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		
119		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
120	4/29/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		ml96
120		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		ml96
120		MLO_	MLO	19:13	23:59	0.9690	HVO3	raw/rnx		ml96
120		ML1_	ML1	20:02	23:59	0.9390	HVO4	raw/rnx	at p/up, antenna was 20° east of north	ml96
120		MLSW	Southwest ML	19:12	23:59	0.8540	HVO2	raw/rnx		ml96
120		NWML	Northwest ML	17:56	23:59	1.0780	HVO1	raw/rnx		ml96
120		WMLS	West ML	18:30	23:59	1.0350	HVO5	raw/rnx		ml96
121	4/30/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		ml96
121		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		ml96
121		MLO_	MLO	00:00	23:59	0.9690	HVO3	raw/rnx		ml96
121		ML1_	ML1	00:00	18:37	0.9390	HVO4	raw/rnx	antenna rotated 20° east of north	ml96
121		MLSW	Southwest ML	00:00	17:20	0.8540	HVO2	raw/rnx		ml96
121		NWML	Northwest ML	00:00	20:18	1.0780	HVO1	raw/rnx		ml96

Table 5d: 1996 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive format	Comments	Campaign
121		WMLS	West ML	00:00	17:37	1.0350	HVO5	raw/rnx		ml96
121		133T	133 Tilt	20:10	23:59	1.0570	HVO2	raw/rnx		ml96
121		V134	HVO134	18:13	23:59	0.9630	HVO5	raw/rnx	initial height wrong (entered 0.9064)	ml96
121		VO92	HVO92	19:23	23:59	1.0020	HVO4	raw/rnx		ml96
121		VENT	Vent	21:00	23:59	0.9500	HVO1	raw/rnx		ml96
122	5/1/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		ml96
122		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		ml96
122		MLO_	MLO	00:00	23:59	0.9690	HVO3	raw/rnx		ml96
122		133T	133 Tilt	00:00	20:13	1.0570	HVO2	raw/rnx		ml96
122		V134	HVO134	00:00	19:51	0.9630	HVO5	raw/rnx	initial height wrong (entered 0.9064)	ml96
122		VO92	HVO92	00:00	17:53	1.0020	HVO4	raw/rnx		ml96
122		VENT	Vent	00:00	20:24	0.9500	HVO1	raw/rnx		ml96
122		ALEA	Alea	20:01	23:59	0.9970	HVO5	raw/rnx		ml96
122		BRSH	Brush	22:19	23:59	1.0320	HVO2	raw/rnx	antenna stability questionable	ml96
122		LKAO	Lower Kaohae	18:51	23:59	1.0260	HVO1	raw/rnx		ml96
122		POUO	Puu Ouo	21:33	23:59	0.9410	HVO4	raw/rnx	at p/up antenna very loose & bouncing around	ml96
123	5/2/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		ml96
123		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		ml96
123		MLO_	MLO	00:00	23:59	0.9690	HVO3	raw/rnx		ml96
123		ALEA	Alea	00:00	18:19	0.9970	HVO5	raw/rnx		ml96
123		BRSH	Brush	00:00	19:49	1.0320	HVO2	raw/rnx	antenna stability questionable	ml96
123		LKAO	Lower Kaohae	00:00	18:08	1.0260	HVO1	raw/rnx		ml96
123		POUO	Puu Ouo	00:00	19:32	0.9410	HVO4	raw/rnx	antenna very loose & bouncing around	ml96
123		49FL	49 Flow	20:50	23:59	0.9680	HVO2	raw/rnx		ml96
123		51FL	1851 Flow	19:20	23:59	0.8820	HVO1	raw/rnx		ml96
123		REDC	Makai Red Cone	21:15	23:59	0.9310	HVO4	raw/rnx		ml96
123		SELH	SE Lua Hou	22:19	23:59	0.9200	HVO5	raw/rnx		ml96
124	5/3/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		ml96
124		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		ml96
124		MLO_	MLO	00:00		0.9690	HVO3	raw/rnx		ml96
124		49FL	49 Flow	00:00	17:08	0.9680	HVO2	raw/rnx		ml96
124		51FL	1851 Flow	00:00	20:01	0.8820	HVO1	raw/rnx		ml96
124		REDC	Makai Red Cone	00:00	17:51	0.9310	HVO4	raw/rnx		ml96

Table 5d: 1996 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive format	Comments	Campaign
124		SELH	SE Lua Hou	00:00	18:03	0.9200	HVO5	raw/rnx		ml96
124		AIN2	Ainapo 2	18:53	23:59	0.9620	HVO4	raw/rnx	at p/up, antenna rotated to 40° E of N	ml96
124		ML8_	ML8	17:40	23:59	0.9960	HVO2	raw/rnx		ml96
124		75FL	75 Flow	19:52	23:59	1.0270	HVO5	raw/rnx		ml96
124		MLCE	ML Cabin East	20:36	23:59	1.0220	HVO1	raw/rnx		ml96
125	5/4/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		ml96
125		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		ml96
125		AIN2	Ainapo 2	00:00	17:16	0.9620	HVO4	raw/rnx	antenna rotated to 40° E of N	ml96
125		ML8_	ML8	00:00	17:27	0.9960	HVO2	raw/rnx		ml96
125		75FL	75 Flow	00:00	18:40	1.0270	HVO5	raw/rnx		ml96
125		MLCE	ML Cabin East	00:00	18:51	1.0220	hvo 1	raw/rnx		ml96
125		ELEK	Eleiki	19:50	23:59	0.9230	HVO5	raw/rnx		ml96
125		KFAS	Kaoliki	18:22	23:59	1.0680	HVO4	raw/rnx	way off level and center	ml96
125		KULU	Kulua	17:55	23:59	1.0330	HVO2	raw/rnx		ml96
125		MOKU	Poomoku	19:27	23:59	1.0340	HVO1	raw/rnx	orig named ELEK, renamed during download	ml96
126	5/5/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		ml96
126		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		ml96
126		ELEK	Eleiki	00:00	23:59	0.9230	HVO5	raw/rnx		ml96
126		KFAS	Kaoliki	00:00	23:59	1.0680	HVO4	raw/rnx	way off level and center	ml96
126		KULU	Kulua	00:00	23:59	1.0330	HVO2	raw/rnx		ml96
126		MOKU	Poomoku	00:00	23:59	1.0340	HVO1	raw/rnx	orig named ELEK, renamed during download	ml96
127	5/6/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		ml96
127		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		ml96
127		ELEK	Eleiki	00:00	19:34	0.9230	HVO5	raw/rnx		ml96
127		KFAS	Kaoliki	00:00	17:09	1.0680	HVO4	raw/rnx	way off level and center	ml96
127		KULU	Kulua	00:00	14:24	1.0330	HVO2	raw/rnx		ml96
127		MOKU	Poomoku	00:00	18:11	1.0340	HVO1	raw/rnx		ml96
127		AINA	Ainapo Trail	17:37	23:59	0.9430	HVO4	raw/rnx		ml96
127		ELEL	Puu Eleele	19:21	23:59	1.0910	HVO2	raw/rnx		ml96
127		ELER	Eleele Reset	18:53	23:59	1.1220	HVO1	raw/rnx	wrong height entered originally (1.022)	ml96
128	5/7/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		ml96
128		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		ml96

Table 5d: 1996 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive format	Comments	Campaign
128		AINA	Ainapo Trail	00:00	17:06	0.9430	HVO4	raw/mx		
128		ELEL	Puu Eleele	00:00	17:21	1.0910	HVO2	raw/mx		ml96
128		ELER	Eleele Reset	00:00	17:32	1.1220	HVO1	raw/mx	wrong height entered originally (1.022)	ml96
128		1899	1899	18:02	23:59	0.8180	HVO1	raw/mx		ml96
128		ENDR	MLS End of road	18:26	23:59	0.9790	HVO2	raw/mx		ml96,tie
128		LACY	Lacy	00:32	23:59	1.0830	HVO5	raw/mx		ml96
128		MLST	ML Strip Road	00:12	23:59	1.4240	HVO3	raw/mx		ml96
128		VO93	HVO 93	19:45	23:59	0.9570	HVO4	raw/mx		ml96,tie
129	5/8/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		ml96
129		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		ml96
129		1899	1899	00:00	23:59	0.8180	HVO1	raw/mx		ml96
129		ENDR	MLS End of road	00:00	23:59	0.9790	HVO2	raw/mx		ml96,tie
129		MLST	ML Strip Road	00:00	23:59	1.4240	HVO3	raw/mx		ml96
129		VO93	HVO 93	00:00	23:59	0.9570	HVO4	raw/mx		ml96,tie
130	5/9/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		ml96
130		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		ml96
130		ENDR	MLS End of road	00:00	16:41	0.9790	HVO2	raw/mx		ml96,tie
130		MLST	ML Strip Road	00:00	23:59	1.4240	HVO3	raw/mx		ml96
130		VO93	HVO 93	00:00	16:30	0.9570	HVO4	raw/mx		ml96,tie
130		KULN	Kulani Camp	00:01	23:59	1.1700	HVO5	raw/mx		ml96
131	5/10/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		ml96
131		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		ml96
131		KULN	Kulani Camp	00:00	19:31	1.1700	HVO5	raw/mx		ml96
132 to 5/11/96 to		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		
142	5/21/96	MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		
143	5/22/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		
143		MANE	Mauka Kip Nene	00:00	01:26	0.0000	SR1	raw/mx		
143		MANE	Mauka Kip Nene	01:28	23:59	0.0000	SR1	raw/mx		
144 to 5/23/96 to		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		
161	6/9/96	MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		

Table 5d: 1996 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive format	Comments	Campaign
162	6/10/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mnx		
162		MANE	Mauka Kip Nene	00:00	19:46	0.0000	SR1	raw/mnx		
163 to 170	6/11/96 to 6/18/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mnx		
170	6/18/96	MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mnx		
171 to 178	6/19/96 to 6/26/96	AHUA	Ahua	02:29	23:59	1.2820	SR2	raw/mnx		
171	6/19/96	MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mnx		
178	6/26/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mnx		
179 to 180	6/27/96 to 6/28/96	AHUA	Ahua	00:00		1.2820	SR2	raw/mnx		
179	6/27/96	AHUA	Ahua	21:01	23:59	1.2820	SR2	raw/mnx		
179		KAEN	Kaena Point	00:00	19:44	1.1160	SR4	raw/mnx		
179		KAEN	Kaena Point	19:48	23:59	1.1140	SR4	raw/mnx		
179		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mnx		
179		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mnx		
180	6/28/96	AHUA	Ahua	00:00	23:59	1.2820	SR2	raw/mnx		
180		KAEN	Kaena Point	00:00	23:59	1.1140	SR4	raw/mnx		
180		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mnx		
180		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mnx		
181	6/29/96	AHUA	Ahua	00:00	23:59	1.2820	SR2	raw/mnx		
181		KAEN	Kaena Point	00:00	23:59	1.1140	SR4	raw/mnx		
181		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mnx		
181		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mnx		
182	6/30/96	AHUA	Ahua	00:00	23:59	1.2820	SR2	raw/mnx		
182		KAEN	Kaena Point	00:00	23:59	1.1140	SR4	raw/mnx		
182		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mnx		
182		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mnx		
183	7/1/96	AHUA	Ahua	00:00	23:59	1.2820	SR2	raw/mnx		ki96
183		KAEN	Kaena Point	00:00	23:59	1.1140	SR4	raw/mnx		ki96
183		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mnx		ki96
183		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mnx		ki96
183		77FL	77 Flow	02:00	01:59	0.9940	HVO3	raw/mnx		ki96
183		931_	93 - 1	02:00	01:59	1.2600	ST06	raw/mnx		ki96

Table 5d: 1996 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive format	Comments	Campaign
183		HAKU	Hakuma	02:00	01:59	0.9410	HVO5	raw/rnx		ki96
183		KALR	Kalalua Reset	02:00	01:59	0.9780	ST02	raw/rnx		ki96
183		KPAU	Kupapau	02:00	01:59	0.9400	HVO2	raw/rnx	originally misnamed KUPA	ki96
183		MPOO	Makai Puu Oo	02:00	01:59	1.0230	ST03	raw/rnx		ki96
183		PKMO	Puu Kamoamo	02:00	01:59	0.9560	ST08	raw/rnx		ki96
183		PULA	Pulama	02:00	01:59	0.9580	HVO1	raw/rnx		ki96
183		MALA	Malama Ki	17:40	02:00	1.3020	ST05	raw/rnx	measured to top of ground plane	ki96
183		HVO7	Kapoho	18:03	02:01	1.1140	SR3	raw/rnx		ki96
183		66YY	66YY Reset	18:21	02:03	1.2120	ST09	raw/rnx		ki96
183		MOAN	Moana Hauae	18:35	02:05	1.0700	ST04	raw/rnx		ki96
184	7/2/96	AHUA	Ahua	00:00		1.2820	SR2	raw/rnx		ki96
184		AHUA	Ahua	00:42	23:59	1.2820	SR2	raw/rnx		ki96
184		KAEN	Kaena Point	00:00	23:59	1.1140	SR4	raw/rnx		ki96
184		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		ki96
184		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		ki96
184		77FL	77 Flow	02:00	01:59	0.9940	HVO3	raw/rnx	antenna serial #67116	ki96
184		931_	93 - 1	02:00	01:59	1.2600	ST06	raw/rnx		ki96
184		932_	93 - 2	02:00	03:00	0.9980	ST07	raw/rnx	set for 1 hr session	ki96
184		HAKU	Hakuma	02:00	01:59	0.9410	HVO5	raw/rnx		ki96
184		HEIH	Heihei	02:00	01:59	1.1920	ST01	raw/rnx	rinex height; height wrong in data file	ki96
184		KPAU	Kupapau	02:00	01:59	0.9400	HVO2	raw/rnx	originally misnamed KUPA	ki96
184		MPOO	Makai Puu Oo	02:00	01:59	1.0230	ST03	raw/rnx		ki96
184		PULA	Pulama	02:00	01:59	0.9580	HVO1	raw/rnx		ki96
184		MOAN	Moana Hauae	17:52	02:01	1.0450	ST04	raw/rnx	ht measured top of ground plane, rate 15 sec	ki96
184		HONL	Honolulu Landing	17:59	02:32	1.3795	ST09	raw/rnx?		jul96ler_rs
184		66YY	66YY Reset	21:38	22:06	1.0350	SR3	raw/rnx?		jul96ler_rs
184		76YY	76YY	20:37	20:58	1.1600	SR3	raw		jul96ler_rs
184		HIBC	Hawaiian Beaches	18:19	18:50	1.1660	SR3	raw		jul96ler_rs
184		HONL	Honolulu Landing	17:59	02:32	1.3795	ST09	raw		jul96ler_rs
184		HVO7	Kapoho	23:02	23:24	1.2610	ST05	raw		jul96ler_rs
184		KAMA	Kamalii	23:17	23:43	1.1580	SR3	raw		jul96ler_rs
184		LANI	Lanipuna	18:53	19:14	1.0540	ST05	raw		jul96ler_rs
184		LEIL	Leilani	19:39	19:59	1.0800	ST05	raw		jul96ler_rs
184		MALA	Malama Ki	17:40	02:00	1.3020	ST05	raw		jul96ler_rs
184		MALA	Malama Ki	00:08	00:33	1.2030	SR3	raw	day 185	jul96ler_rs

Table 5d: 1996 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive format	Comments	Campaign
184		NANA	Nanawale	20:30	20:50	1.3490	ST05	raw		jul96ler_rs
184		NKAP	Noth Kapoho	22:24	22:45	1.2010	ST05	raw		jul96ler_rs
184		PAHO	Pahoa	19:55	20:24	1.2150	SR3	raw		jul96ler_rs
184		PIKI	Pohoiki	00:55	01:20	1.1540	SR3	raw	day 185	jul96ler_rs
184		RSKP	South Kapoho Reset	23:45	00:07	1.2620	ST05	raw		jul96ler_rs
184		UHEX	UH Experiment Farm	18:05	18:28	0.9820	ST05	raw		jul96ler_rs
184		UHEX	UH Experiment Farm	00:42	01:03	1.1260	ST05	raw		jul96ler_rs
184		V207	HVO207	22:23	22:47	1.2060	SR3	raw		jul96ler_rs
184		WKAP	West Kapoho	21:38	21:59	1.0260	ST05	raw		jul96ler_rs
185	7/3/96	AHUA	Ahua	00:00	23:59	1.2820	SR2	raw/rnx		ki96
185		KAEN	Kaena Point	00:00	23:59	1.1140	SR4	raw/rnx		ki96
185		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		ki96
185		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		ki96
185		77FI	77 Flow	02:00	17:54	0.9940	HVO3	raw/rnx		ki96
185		931_	93 - 1	02:00	17:44	1.2600	ST06	raw/rnx		ki96
185		HAKU	Hakuma	02:00	18:19	0.9410	HVO5	raw/rnx		ki96
185		HEIH	Heiheiahulu	02:00	18:03	1.1920	ST01	raw/rnx	rinex height; height wrong in data file	ki96
185		KALR	Kalalua Reset	02:00	19:38	0.9780	ST02	raw/rnx		ki96
185		KPAU	Kupapau	02:00	18:29	0.9400	HVO2	raw/rnx	entered as KUPA should be KPAU	ki96
185		MPOO	Makai Puu Oo	02:00	19:18	1.0230	ST03	raw/rnx		ki96
185		PKMO	Puu Kamoamao	02:00	19:58	0.9560	ST08	raw/rnx	power failure, restarted	ki96
185		PULA	Pulama	02:00	19:28	0.9580	HVO1	raw/rnx		ki96
185		MANU	Lua Manu	18:02	01:59	1.3270	HVO4	raw/rnx		ki96
185		PULU	Puu Huluhulu	18:29	01:59	1.0430	ST04	raw/rnx	puck unlocked at pickup, slightly off center	ki96
185		LAVA	Lava Channel	18:38	01:59	1.0880	SR3	raw/rnx		ki96
185		PANU	Panau	19:10	01:59	0.9610	HVO2	raw/rnx		ki96
185		69FL	69 Flow	19:20	01:59	1.1130	ST05	raw/rnx		ki96
185		SAND	Sandhill	19:53	01:59	0.6720	ST09	raw/rnx		ki96
185		NUIO	Kane Nuio O Hamo	20:36	01:59	1.0020	ST08	raw/rnx		ki96
185		KTRA	Kalapana Trail	21:00	01:59	1.0370	ST07	raw/rnx		ki96
185		932_	93 - 2	21:21	01:59	1.1110	ST06	raw/rnx		ki96
185		APUA	Apua	21:47	01:59	1.0260	HVO3	raw/rnx		ki96
185		MULU	Mauna Ulu	22:06	01:59	0.9970	HVO5	raw/rnx		ki96
185		KAPU	Puu Kapukapu	22:40	01:59	0.9040	ST03A	raw/rnx		ki96
185		KAAH	Kaaha	23:02	01:59	0.9540	ST01	raw/rnx		ki96

Table 5d: 1996 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive format	Comments	Campaign
185		PEPE	Pepeiau	23:22	01:59	0.9220	ST02	raw/mx		ki96
185		KAU_	Kau	23:43	01:59	0.8120	HVO1	raw/mx		ki96
186	7/4/96	AHUA	Ahua	00:00	23:59	1.2820	SR2	raw/mx		ki96
186		KAEN	Kaena Point	00:00	00:04	1.1140	SR4	raw/mx		ki96
186		KAEN	Kaena Point	00:06	23:59	1.1140	SR4	raw/mx		ki96
186		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		ki96
186		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		ki96
186		69FL	69 Flow	02:00	16:13	1.1130	ST05	raw/mx		ki96
186		932_	93 - 2	02:00	01:59	1.1110	ST06	raw/mx		ki96
186		APUA	Apua	02:00	01:59	1.0260	HVO3	raw/mx		ki96
186		KAHA	Kaaha	02:00	01:59	0.9540	ST01	raw/mx		ki96
186		KAPU	Puu Kapukapu	02:00	01:59	0.9040	ST03	raw/mx		ki96
186		KAU_	Kau	02:00	01:59	0.8120	HVO1	raw/mx		ki96
186		KTRA	Kalapana Trail	02:00	01:59	1.0370	ST07	raw/mx		ki96
186		LAVA	Lava Channel	02:00	16:14	1.0880	SR3	raw/mx		ki96
186		MANU	Lua Manu	02:00	01:59	1.3270	HVO4	raw/mx		ki96
186		MULU	Mauna Ulu	02:00	01:59	0.9970	HVO5	raw/mx		ki96
186		NUJO	Kane Nuio O Hamo	02:00	01:59	1.0020	ST08	raw/mx		ki96
186		PANU	Panau	02:00	01:59	0.9610	HVO2	raw/mx		ki96
186		PEPE	Pepeiau	02:00	01:59	0.9220	ST02	raw/mx		ki96
186		PULU	Puu Huluhulu	02:00	01:59	1.0430	ST04	raw/mx	puck unlocked at pickup, slightly off center	ki96
186		SAND	Sandhill	02:00	01:59	0.6720	ST09	raw/mx		ki96
186		M801	BM80-1	17:25	02:06	1.1960	SR3	raw/mx		ki96
186		LAEP	Laeapuki	18:30	02:00	0.9040	ST05	raw/mx		ki96
187	7/5/96	AHUA	Ahua	00:00	23:59	1.2820	SR2	raw/mx		ki96
187		KAEN	Kaena Point	00:00	23:59	1.1140	SR4	raw/mx		ki96
187		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		ki96
187		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		ki96
187		932_	93 - 2	02:00	18:55	1.1110	ST06	raw/mx		ki96
187		APUA	Apua	02:00	19:43	1.0260	HVO3	raw/mx		ki96
187		KAHA	Kaaha	02:00	21:26	0.9540	ST01	raw/mx		ki96
187		KAPU	Puu Kapukapu	02:00	19:55	0.9040	ST03	raw/mx		ki96
187		KAU_	Kau	02:00	21:15	0.8120	HVO1	raw/mx		ki96
187		KTRA	Kalapana Trail	02:00	18:29	1.0370	ST07	raw/mx		ki96

Table 5d: 1996 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive format	Comments	Campaign
187		MULU	Mauna Ulu	02:00	18:21	0.9970	HVO5	raw/rnx		ki96
187		NUJO	Kane Nui O Hamo	02:00	18:41	1.0020	ST08	raw/rnx		ki96
187		PANU	Panau	02:00	18:47	0.9610	HVO2	raw/rnx		ki96
187		PEPE	Pepeliau	02:00	00:11	0.9220	ST02	raw/rnx		ki96
187		LAEP	Laeapuki	17:46	02:00	1.0030	SR3	raw/rnx		ki96
187		M801	BM80-1	17:53	02:01	1.1000	SR3	raw/rnx		ki96
187		V120	Upper Kau Road	18:00	01:55	1.1140	ST05	raw/rnx		ki96
187		KEAM	Keamoku	19:19	01:59	0.9390	ST09	raw/rnx	at p/up, antenna loose & off by 40 degrees	ki96
187		KAPA	Kapapala	20:00	01:59	1.0460	HVO4	raw/rnx		ki96
187		GOTE	Goat Reset	21:05	01:59	1.1470	ST08	raw/rnx		ki96
187		MLST	ML Strip	23:48	09:59	0.8600	HVO2	raw/rnx	rinex file 187: 7/5 23:48 to 7/6 01:59	ki96
188	7/6/96	AHUA	Ahua	00:00	23:59	1.2820	SR2	raw/rnx		ki96
188		KAEN	Kaena Point	00:00	23:59	1.1140	SR4	raw/rnx		ki96
188		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		ki96
188		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		ki96
188		1250	Mauka 1250	02:00	01:59	1.0210	ST07	raw/rnx	at p/up, antenna loose & pointing to N40E	ki96
188		GOTE	Goat Reset	02:00	01:59	1.1470	ST08	raw/rnx		ki96
188		KAMK	Kamakaia	02:00	01:59	1.0000	ST02	raw/rnx		ki96
188		KAPA	Kapapala	02:00	01:59	1.0460	HVO4	raw/rnx		ki96
188		NALI	Nali	02:00	01:59	0.9890	ST01	raw/rnx		ki96
188		PILI	PuuPili	02:00	01:59	0.6450	HVO5	raw/rnx		ki96
188		ULAU	Puu Ulaula	02:00	01:59	1.2010	HVO3	raw/rnx		ki96
188		HILI	Hilina Pali	02:16	01:59	1.0840	ST06	raw/rnx		ki96
188		PALI	Pali	02:56	01:59	1.0130	ST03	raw/rnx		ki96
188		V120	Upper Kau Road	17:52	02:00	1.0540	ST04	raw/rnx		ki96
188		KEAM	Keamoku	19:19	01:59	0.9390	ST09	raw/rnx	at p/up, antenna loose & off by 40 degrees	ki96
188		KOAE	Koae Tilt	19:23	01:59	1.0550	SR3	raw/rnx		ki96
188		MLST	ML Strip	10:00	19:26	0.8600	hvo 2	raw/rnx	rinex file 1880: 7/6 02:00 to 19:26	ki96
188		MLST	ML Strip	19:59	01:59	0.8600	hvo 2	raw/rnx		ki96
189	7/7/96	AHUA	Ahua	00:00	23:59	1.2820	SR2	raw/rnx		ki96
189		KAEN	Kaena Point	00:00	23:59	1.1140	SR4	raw/rnx		ki96
189		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		ki96
189		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		ki96
189		1250	Mauka 1250	02:00	01:59	1.0210	ST07	raw/rnx	at p/up, antenna loose & pointing to N40E	ki96

Table 5d: 1996 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive format	Comments	Campaign
189		GOTE	Goat Reset	02:00	01:59	1.1470	ST08	raw/mx		ki96
189		HILI	Hilina Pali	02:00	22:48	1.0840	ST06	raw/mx		ki96
189		HILI	Hilina Pali	23:00	01:59	1.0830	ST06	raw/mx		ki96
189		KAMK	Kamakaka	02:00	01:59	1.0000	ST02	raw/mx		ki96
189		KAPA	Kapapala	02:00	01:59	1.0460	HVO4	raw/mx		ki96
189		KEAM	Kearmoku	02:00	01:59	0.9390	ST09	raw/mx	at p/up, antenna loose & off by 40 degrees	ki96
189		KOAE	Koae Tilt	02:00	01:59	1.0550	SR3	raw/mx		ki96
189		MLST	ML Strip	02:00	01:59	0.8600	hvo 2	raw/mx		ki96
189		NALI	Nali	02:00	01:59	0.9890	ST01	raw/mx		ki96
189		PALI	Pali	02:00	01:59	1.0130	ST03	raw/mx		ki96
189		PILI	PuuPili	02:00	01:59	0.6450	HVO5	raw/mx		ki96
189		ULAU	Puu Ulaula	02:00	01:59	1.2010	HVO3	raw/mx		ki96
189		WNGR	Wung Ranch	18:01	02:04	1.2590	ST08	raw/mx		ki96
190	7/8/96	AHUA	Ahua	00:00	23:59	1.2820	SR2	raw/mx		ki96
190		KAEN	Kaena Point	00:00	23:59	1.1140	SR4	raw/mx		ki96
190		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		ki96
190		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		ki96
190		1250	Mauka 1250	02:00	18:34	1.0210	ST07	raw/mx	at p/up, antenna loose & pointing to N40E	ki96
190		GOTE	Goat Reset	02:00	04:32	1.1470	ST08	raw/mx		ki96
190		GOTE	Goat Reset	22:48	01:59	1.1470	ST08	raw/mx		ki96
190		HILI	Hilina Pali	02:00	01:59	1.0830	ST06	raw/mx		ki96
190		KAMK	Kamakaka	02:00	01:59	1.0000	ST02	raw/mx		ki96
190		KOAE	Koae Tilt	02:00	01:59	1.0550	SR3	raw/mx		ki96
190		MLST	ML Strip	02:00	01:59	0.8600	hvo 2	raw/mx		ki96
190		NALI	Nali	02:00	01:59	0.9890	ST01	raw/mx		ki96
190		PALI	Pali	02:00	03:13	1.0130	ST03	raw/mx		ki96
190		PILI	PuuPili	02:00	01:59	0.6450	HVO5	raw/mx		ki96
190		ULAU	Puu Ulaula	02:00	01:59	1.2010	HVO3	raw/mx		ki96
190		FERN	Fern Forest	17:54	01:56	1.1270	HVO4	raw/mx		ki96
190		HIBC	Hawaiian Beaches	17:59	02:01	1.5620	ST04	raw/mx		ki96
190		ACRE	Hawaiian Acres	18:00	01:59	1.1740	ST05	raw/mx		ki96
190		WNGR	Wung Ranch	18:12	02:01	1.1950	ST09	raw/mx		ki96
191	7/9/96	AHUA	Ahua	00:00	23:59	1.2820	SR2	raw/mx		ki96
191		KAEN	Kaena Point	00:00	23:59	1.1140	SR4	raw/mx		ki96

Table 5d: 1996 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive format	Comments	Campaign
191		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mnx		ki96
191		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mnx		ki96; m196
191		GOTE	Goat Reset	02:00	01:59	1.1470	ST08	raw/mnx		ki96
191		HILI	Hilina Pali	02:00	01:59	1.0830	ST06	raw/mnx		ki96
191		KULN	Kulani Camp	02:00	01:59	1.0760	ST07	raw/mnx	missing data sheet	ki96; m196
191		STNB	Stainback Hwy	02:23	01:59	0.9400	ST02	raw/mnx		ki96
191		MTVW	Mountain View	17:16	01:58	1.3910	HVO2	raw/mnx		ki96
191		LANI	Lanipuna	17:40	02:00	1.3570	ST03	raw/mnx		ki96
191		BLDR	Boulder	17:42	01:59	1.0310	HVO5	raw/mnx		ki96
191		ACRE	Hawaiian Acres	18:26	02:01	1.1270	ST05	raw/mnx		ki96
191		66YY	66YY Reset	18:36		0.9540	HVO4	raw/mnx		ki96
191		MKEA	Mauna Kea	19:04	01:59	0.6950	HVO1	raw/mnx		ki96; m196
191		MLO_	Mauna Loa	21:05	01:59	0.8960	ST09	raw/mnx	at p/up, antenna rotated to N10E	m196
191		P103	Pole 103	21:14	01:59	0.9570	HVO3	raw/mnx		m196
191		HP7_	HP - 7	23:39	01:59	0.7340	ST04	raw/mnx		ki96; m196
192	7/10/96	AHUA	Ahua	00:00	23:59	1.2820	SR2	raw/mnx		ki96
192		KAEN	Kaena Point	00:00	23:59	1.1140	SR4	raw/mnx		ki96
192		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mnx		ki96
192		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mnx		ki96; m196
192		BLDR	Boulder	02:00	01:59	1.0310	HVO5	raw/mnx		ki96
192		GOTE	Goat Reset	02:00	01:59	1.1470	ST08	raw/mnx		ki96
192		HILI	Hilina	02:00	01:59	1.0830	ST06	raw/mnx		ki96
192		HP7_	HP - 7	02:00	01:59	0.7340	ST04	raw/mnx		ki96; m196
192		KULN	Kulani Camp	02:00	23:10	1.0760	ST07	raw/mnx	missing data sheet	ki96; m196
192		MKEA	Mauna Kea	02:00	01:59	0.6950	HVO1	raw/mnx		ki96; m196
192		MLO_	Mauna Loa	02:00	01:59	0.8960	ST09	raw/mnx		m196
192		P103	Pole 103	02:00	01:59	0.9570	HVO3	raw/mnx		m196
192		STNB	Stainback Hwy	02:00	22:41	0.9400	ST02	raw/mnx		ki96
192		UWEK	Uwekahuna	02:00	01:59	1.4290	SR3	raw/mnx		ki96
192		MTVW	Mountain View	17:38	02:01	1.5220	ST05	raw/mnx		ki96
192		MALA	Malama Ki	17:40	02:02	1.2870	ST01	raw/mnx		ki96
192		FERN	Fern Forest	17:50	02:00	1.3120	ST03	raw/mnx		ki96
192		HVO7	Kapoho	17:50		1.4910	HVO2	raw/mnx		ki96
192		RKAL	Kaloli Reset	18:10	02:02	0.9740	HVO4	raw/mnx		ki96

Table 5d: 1996 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive format	Comments	Campaign
193	7/11/96	AHUA	Ahua	00:00	23:59	1.2820	SR2	raw/mnx		ki96
193		KAEN	Kaena Point	00:00	23:59	1.1140	SR4	raw/mnx		ki96
193		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mnx		ki96
193		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mnx		ki96; m196
193		BLDR	Boulder	02:00	00:27	1.0310	HVO5	raw/mnx		ki96
193		GOTE	Goat Reset	02:00	01:31	1.1470	ST08	raw/mnx		ki96
193		HILI	Hilina	02:00	23:57	1.0830	ST06	raw/mnx		ki96
193		HP7_	HP - 7	02:00	01:33	0.7340	ST04	raw/mnx		ki96
193		MKEA	Mauna Kea	02:00	23:16	0.6950	HVO1	raw/mnx		ki96; m196
193		MLO_	Mauna Loa	02:00	19:35	0.8960	ST09	raw/mnx		m196
193		P103	Pole 103	02:00	18:32	0.9570	HVO3	raw/mnx		m196
193		UWEK	Uwekahuna	02:00	01:59	1.4290	SR3	raw/mnx		ki96
193		HIBC	Hawaiian Beaches	17:31	02:00	1.3430	ST01	raw/mnx		ki96
193		LANI	Lanipuna	17:49	01:51	1.0230	ST04	raw/mnx	no data 20:30 to 22:00	ki96
193		IRLYM	Reference Lyman	18:07	02:00	1.2000	HVO2	raw/mnx	height entered incorrectly (1.03)	ki96
193		IRKAL	Kaloli Reset	17:55	02:01	0.9940	ST02	raw/mnx		ki96
193		KALO	Kaloli	20:13	02:11	1.1760	ST07	raw/mnx	rinex height; wrong height in data file	ki96
194	7/12/96	AHUA	Ahua	00:00	23:59	1.2820	SR2	raw/mnx		ki96
194		KAEN	Kaena Point	00:00	23:59	1.1140	SR4	raw/mnx		ki96
194		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mnx		ki96
194		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mnx		ki96
194		UWEK	Uwekahuna	02:00	23:26	1.4290	SR3	raw/mnx		ki96
195	7/13/96	AHUA	Ahua	00:00	23:59	1.2820	SR2	raw/mnx		ki96
195		KAEN	Kaena Point	00:00	23:59	1.1140	SR4	raw/mnx		ki96
195		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mnx		ki96
195		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mnx		ki96
196	7/14/96	AHUA	Ahua	00:00	23:59	1.2820	SR2	raw/mnx		ki96
196		KAEN	Kaena Point	00:00	23:59	1.1140	SR4	raw/mnx		ki96
196		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mnx		ki96
196		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mnx		ki96
197	7/15/96	AHUA	Ahua	00:00	23:59	1.2820	SR2	raw/mnx		ki96
197		KAEN	Kaena Point	00:00	23:59	1.1140	SR4	raw/mnx		ki96

Table 5d: 1996 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive format	Comments	Campaign
197		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		ki96
197		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		ki96
198	7/16/96	AHUA	Ahua	00:00	23:59	1.2820	SR2	raw/rnx		ki96
198		KAEN	Kaena Point	00:00	23:59	1.1140	SR4	raw/rnx		ki96
198		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		ki96
198		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		ki96
198		DEST	Desert	00:09	23:59	1.1100	HVO1	raw/rnx		ki96
199	7/17/96	AHUA	Ahua	00:00	23:59	1.2820	SR2	raw/rnx		ki96
199		KAEN	Kaena Point	00:00	23:59	1.1140	SR4	raw/rnx		ki96
199		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		ki96
199		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		ki96
199		DEST	Desert	00:00	22:39	1.1100	HVO1	raw/rnx		ki96
199		MPOO	Makai Puu Oo	21:38	21:58	1.1410	HVO4	raw	raw file has 0.0 antenna height	jul96puoo_rs
199		PKMO	Puu Kamoamo	18:51	22:15	1.2660	HVO2	raw		jul96puoo_rs
199		PTTM	Puu Oo Cone	20:53	21:14	1.0320	HVO4	raw		jul96puoo_rs
199		PUO1	Puu Oo 1	21:30	21:49	1.2570	HVO3	raw		jul96puoo_rs
199		PUO2	Puu Oo 2	19:32	19:51	1.2110	HVO3	raw		jul96puoo_rs
199		PUO3	Puu Oo 3	20:23	20:43	1.2570	HVO3	raw		jul96puoo_rs
199		PUO5	Puu Oo 5	19:41	20:19	1.0730	HVO4	raw		jul96puoo_rs
199		UWEK	Uwekahuna	18:17	00:16	1.3730	SR3	raw		jul96puoo_rs
200	7/18/96	AHUA	Ahua	00:00		1.2820	SR2	raw/rnx		
200		AHUA	Ahua	21:26	23:59	1.2820	SR2	raw/rnx		
200		KAEN	Kaena Point	00:00	23:59	1.1140	SR4	raw/rnx		
200		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
200		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		
201	7/19/96	AHUA	Ahua	00:00	23:12	1.2820	SR2	raw/rnx		
201		KAEN	Kaena Point	00:00	23:59	1.1140	SR4	raw/rnx		
201		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
201		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		
202	7/20/96	AHUP	Ahua Permanent	00:00	23:59	0.1150	SR2	raw/rnx	Permanent site installed	
202		KAEN	Kaena Point					rnx		tie

Table 5d: 1996 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive format	Comments	Campaign
202		KAEP	Kaena Permanent	00:00	23:59	0.0000	SR3	raw/mx	Permanent site installed	tie
202		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		
202		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		
203	7/21/96	AHUP	Ahua Permanent	00:00	23:59	0.1150	SR2	raw/mx		tie
202		KAEN	Kaena Point					rx		tie
203		KAEP	Kaena Permanent	00:00	23:59	0.0000	SR3	raw/mx		
203		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		
203		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		
204	7/22/96	AHUP	Ahua Permanent	00:00	23:59	0.1150	SR2	raw/mx		
to		KAEP	Kaena Permanent	00:00	23:59	0.0000	SR3	raw/mx		
207	8/14/96	MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		
		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		
228	8/15/96	AHUP	Ahua Permanent	00:00	23:59	0.1150	SR2	raw/mx		
to		GOPM	Goat Permanent	00:00	23:59	0.1220	SR4	raw/mx	permanent site installed	
		KAEP	Kaena Permanent	00:00	23:59	0.1130	SR3	raw/mx	note height input	
239	8/26/96	MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		
		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		
240	8/27/96	AHUP	Ahua Permanent	00:00	23:59	0.1150	SR2	raw/mx		
240		GOPM	Goat Permanent	00:00	23:59	0.1220	SR4	raw/mx		
240		KAEP	Kaena Permanent	00:00	23:59	0.1130	SR3	raw/mx		
240		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		
240		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		
240		HKHI	Hanakaui	18:43	01:58	0.9180	HVO4	raw/mx		maui96
240		KOLE	Kolekole	01:56	23:59	1.1450	SR5	raw/mx		maui96
240		LOOK	Kalahaku Overlook	18:41	01:53	1.1550	HVO1	raw/mx		maui96
240		NIAN	Puu Niariau	00:00	17:35	1.1060	HVO1	raw/mx		maui96
240		PUUI	Puu Io	03:04	19:08	1.1690	HVO5	raw/mx		maui96
241	8/28/96	AHUP	Ahua Permanent	00:00	23:59	0.1150	SR2	raw/mx		
241		GOPM	Goat Permanent	00:00	23:59	0.1220	SR4	raw/mx		
241		KAEP	Kaena Permanent	00:00	23:59	0.1130	SR3	raw/mx		
241		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/mx		
241		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/mx		

Table 5d: 1996 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive format	Comments	Campaign
241		HKHI	Hanakaui	02:00	01:59	0.9180	HVO4	raw/rnx		maui96
241		KOLE	Kolekole	00:00	23:59	1.1450	SR5	raw/rnx		maui96
241		KHUA	Kahua	02:53	19:42	1.0140	HVO3	raw/rnx		maui96
241		POLI	Polipoli	04:39	18:15	1.1480	HVO5	raw/rnx		maui96
242	8/29/96	AHUP	Ahua Permanent	00:00	23:59	0.1150	SR2	raw/rnx		
242		GOPM	Goat Permanent	00:00	23:59	0.1220	SR4	raw/rnx		
242		KAEP	Kaena Permanent	00:00	23:59	0.1130	SR3	raw/rnx		
242		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
242		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		
242		HANA	Hana airport	00:00	21:41	1.0250	HVO1	raw/rnx		maui96
242		HKHI	Hanakaui	21:30	18:21	0.9180	HVO4	raw/rnx	start time on 8/28	maui96
242		KOLE	Kolekole	00:00	21:55	1.1450	SR5	raw/rnx		maui96
242		LEIE	Puhilele (Kipahulu)	21:50	22:44	1.4460	HVO5	raw/rnx	start time on 8/28	maui96
242		LUAL	Luailua	22:34	04:30	1.2340	HVO3	raw/rnx	start time on 8/28	maui96
242		NIAN	Puu Nianiau	20:56	23:59	0.8880	HVO3	raw/rnx		maui96
243	8/30/96	AHUP	Ahua Permanent	00:00	23:59	0.1150	SR2	raw/rnx		
243		GOPM	Goat Permanent	00:00	23:59	0.1220	SR4	raw/rnx		
243		KAEP	Kaena Permanent	00:00	23:59	0.1130	SR3	raw/rnx		
243		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
243		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		
243		HAIL	Hailiimaile	02:43	17:30	1.2000	SR5	raw/rnx	antenna pointed to N44E	maui96
243		KNAE	Keanae Point	03:26	18:25	1.1210	HVO5	raw/rnx		maui96
243		NIAN	Puu Nianiau	00:00	18:41	0.8880	HVO3	raw/rnx		maui96
244	8/31/96	AHUP	Ahua Permanent	00:00	23:59	0.1150	SR2	raw/rnx		
		GOPM	Goat Permanent	00:00	23:59	0.1220	SR4	raw/rnx		
	to	KAEP	Kaena Permanent	00:00	23:59	0.1130	SR3	raw/rnx		
		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
270	9/26/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		
271	9/27/96	AHUP	Ahua Permanent	00:00	23:59	0.1150	SR2	raw/rnx		
271		GOPM	Goat Permanent	00:00	23:59	0.1220	SR4	raw/rnx		
271		KAEP	Kaena Permanent	00:00	23:59	0.1130	SR3	raw/rnx		
271		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		

Table 5d: 1996 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive format	Comments	Campaign
271		UWEV	Uwekahuna Vault	00:00	23:12	0.0000	SR6	raw/rnx	switched to SR6 receiver	
272	9/28/96	AHUP	Ahua Permanent	00:00	23:59	0.1150	SR2	raw/rnx		
	to	GOPM	Goat Permanent	00:00	23:59	0.1220	SR4	raw/rnx		
		KAEP	Kaena Permanent	00:00	23:59	0.1130	SR3	raw/rnx		
		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
283	10/9/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		
284	10/10/96	AHUP	Ahua Permanent	00:00	23:59	0.1150	SR2	raw/rnx		
284		GOPM	Goat Permanent	00:00	23:59	0.1220	SR4	raw/rnx		
284		KAEP	Kaena Permanent	00:00	23:59	0.1130	SR3	raw/rnx		
284		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
284		NUPM	Kane Nui Permanent	21:48	23:59	0.1130	SR5	raw/rnx	permanent site installed *****check nupm height	
284		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	SR6	raw/rnx		
285	10/11/96	AHUP	Ahua Permanent	00:00	23:59	0.1150	SR2	raw/rnx		
	to	GOPM	Goat Permanent	00:00	23:59	0.1220	SR4	raw/rnx		
		KAEP	Kaena Permanent	00:00	23:59	0.1130	SR3	raw/rnx		
		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
		NUPM	Kane Nui Permanent	00:00	23:59	0.1130	SR5	raw/rnx		
289	10/15/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	SR6	raw/rnx		
290	10/16/96	AHUP	Ahua Permanent	00:00	23:59	0.1150	SR2	raw/rnx		
290		GOPM	Goat Permanent	00:00	23:59	0.1220	SR4	raw/rnx		
290		KAEP	Kaena Permanent	00:00	23:59	0.1130	SR3	raw/rnx		
290		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
290		NUPM	Kane Nui Permanent	00:00	23:59	0.1130	SR5	raw/rnx		
290		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	SR6	raw/rnx		
290		BLDR	Boulder	18:21	23:59	1.0870	HVO3	raw/rnx	elev mask 5 degrees from now on...	oct96ml
290		ENDR	End of ML summit road	20:54	00:04	1.0060	HVO5	raw/rnx		oct96ml
290		MKEA	Mauna Kea	19:43	23:59	0.8100	HVO4	raw/rnx	tie to MKPM	oct96ml, tie
290		MLO	Mauna Loa Observatory	18:38	01:54	0.9320	HVO1	raw/rnx		oct96ml
290		VENT	Vent	20:13	00:32	0.9820	HVO2	raw/rnx		oct96ml
291	10/17/96	AHUP	Ahua Permanent	00:00	23:59	0.1150	SR2	raw/rnx		
291		GOPM	Goat Permanent	00:00	23:59	0.1220	SR4	raw/rnx		

Table 5d: 1996 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive format	Comments	Campaign
291		KAEP	Kaena Permanent	00:00	23:59	0.1130	SR3	raw/rnx		
291		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
291		NUPM	Kane Nui Permanent	00:00	23:59	0.1130	SR5	raw/rnx		
291		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	SR6	raw/rnx		
291		BLDR	Boulder	00:00	23:59	1.0870	HVO3	raw/rnx		oct96ml
291		MKEA	Mauna Kea	00:00	23:59	0.8100	HVO4	raw/rnx		oct96ml,tie
292	10/18/96	AHUP	Ahua Permanent	00:00	23:59	0.1150	SR2	raw/rnx		
292		GOPM	Goat Permanent	00:00	23:59	0.1220	SR4	raw/rnx		
292		KAEP	Kaena Permanent	00:00	23:59	0.1130	SR3	raw/rnx		
292		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
292		NUPM	Kane Nui Permanent	00:00	23:59	0.1130	SR5	raw/rnx		
292		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	SR6	raw/rnx		
292		BLDR	Boulder	00:00	18:31	1.0870	HVO3	raw/rnx		oct96ml
292		MKEA	Mauna Kea	00:00	17:19	0.8100	HVO4	raw/rnx		oct96ml,tie
293	10/19/96	AHUP	Ahua Permanent	00:00	23:59	0.1150	SR2	raw/rnx		
		GOPM	Goat Permanent	00:00	23:59	0.1220	SR4	raw/rnx		
	to	KAEP	Kaena Permanent	00:00	23:59	0.1130	SR3	raw/rnx		
		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
		NUPM	Kane Nui Permanent	00:00	23:59	0.1130	SR5	raw/rnx		
303	10/29/97	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	SR6	raw/rnx		
304	10/30/96	AHUP	Ahua Permanent	00:00	23:59	0.1150	SR2	raw/rnx		oct96coc
304		GOPM	Goat Permanent	00:00	23:59	0.1220	SR4	raw/rnx		oct96coc
304		KAEP	Kaena Permanent	00:00	23:59	0.1130	SR3	raw/rnx		oct96coc
304		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		oct96coc
304		NUPM	Kane Nui Permanent	00:00	23:59	0.1130	SR5	raw/rnx		oct96coc
304		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx	switched back to HVO6 receiver	oct96coc
304		DEST	Desert	00:14	23:27	1.1760	HVO4	raw/rnx		oct96coc
304		MANU	Lua Manu	00:42	23:47	0.9900	HVO5	raw/rnx		oct96coc
304		MLST	Mauna Loa Strip Road	00:00	23:59	1.0500	HVO2	raw/rnx		oct96coc
304		PWRL	Powerline	00:00	21:39	0.8860	HVO1	raw/rnx		oct96coc
304		SAND	Sandhill	00:00	23:24	1.0740	HVO3	raw/rnx	switch to tribrach #8	oct96coc
305	10/31/96	AHUP	Ahua Permanent	00:00	23:59	0.1150	SR2	raw/rnx		oct96coc

Table 5d: 1996 Sessions

J. Day (UTC)	Date (UTC)	Code	Station	Start time	Stop time	Antenna ht	R	Archive format	Comments	Campaign
305		GOPM	Goat Permanent	00:00	23:59	0.1220	SR4	raw/rnx		oct96coc
305		KAEP	Kaena Permanent	00:00	23:59	0.1130	SR3	raw/rnx		oct96coc
305		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		oct96coc
305		NUPM	Kane Nui Permanent	00:00	23:59	0.1130	SR5	raw/rnx		oct96coc
305		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		oct96coc
305		HILI	Hilina Pali	00:36	23:59	0.9960	HVO5	raw/rnx		oct96coc
305		KOAE	Koae Tilt	00:32	23:59	1.0860	HVO3	raw/rnx		oct96coc
305		MLST	Mauna Loa Strip Road	00:00	23:59	1.0500	HVO2	raw/rnx		oct96coc
305		PALI	Pali	01:22	20:36	1.0780	HVO4	raw/rnx	antenna can wobble up to 1cm north-south	oct96coc
305		PULU	Escape Road	01:54	20:50	1.0470	HVO1	raw/rnx		oct96coc
305		LAVA	Lava Channel	21:44	23:58	0.9770	HVO4	raw/rnx	height entered incorrectly as 1.077	oct96coc
306	11/1/96	AHUP	Ahua Permanent	00:00	23:59	0.1150	SR2	raw/rnx		oct96coc
306		GOPM	Goat Permanent	00:00	23:59	0.1220	SR4	raw/rnx		oct96coc
306		KAEP	Kaena Permanent	00:00	23:59	0.1130	SR3	raw/rnx		oct96coc
306		KTPM	Kalapana Trail Perm	00:00	23:59	0.1140	SR6	raw/rnx	permanent site installed	oct96coc
306		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		oct96coc
306		NUPM	Kane Nui Permanent	00:00	23:59	0.1130	SR5	raw/rnx		oct96coc
306		UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		oct96coc
306		69FL	69 Flow	00:00	20:55	1.0130	HVO1	raw/rnx		oct96coc
306		HILI	Hilina Pali	00:00	19:29	0.9960	HVO5	raw/rnx		oct96coc
306		LAVA	Lava Channel	00:00	21:13	0.9770	HVO4	raw/rnx	height entered incorrectly as 1.077	oct96coc
306		MLST	Mauna Loa Strip Road	00:00	21:33	1.0500	HVO2	raw/rnx		oct96coc
306		KOAE	Koae Tilt	00:00	20:59	1.0860	HVO3	raw/rnx		oct96coc
307	11/2/96	AHUP	Ahua Permanent	00:00	23:59	0.1150	SR2	raw/rnx		
		GOPM	Goat Permanent	00:00	23:59	0.1220	SR4	raw/rnx		
		KAEP	Kaena Permanent	00:00	23:59	0.1130	SR3	raw/rnx		
to	to	KTPM	Kalapana Trail Permanent	00:00	23:59	0.1140	SR6	raw/rnx		
		MANE	Mauka Kip Nene	00:00	23:59	0.0000	SR1	raw/rnx		
		NUPM	Kane Nui Permanent	00:00	23:59	0.1130	SR5	raw/rnx		
366	12/31/96	UWEV	Uwekahuna Vault	00:00	23:59	0.0000	HVO6	raw/rnx		