

WF	Airway	Fix	Frequency	Name	Latitude	Longitude	MagVar
601	APT	YSSY		KINGSFORD SMITH INTL	33°56.8S	151°10.6E	12.8
	DCT	SY	112.10	SYDNEY	33°56.6S	151°10.8E	12.6
	B450	NOBAR			33°47.2S	151°44.4E	12.7
	A579	JORDY			32°23.5S	154°41.2E	13.2
	A579	NATLI			31°00.5S	157°23.8E	13.4
	A579	TESAT			29°10.8S	160°42.7E	13.7
	A579	DUBEV			27°33.0S	163°27.3E	13.8
	A579	NIVIT			25°17.9S	166°59.2E	13.8
	A579	VIRAR			24°47.6S	167°44.5E	13.7
	A579	NONON			23°19.5S	169°52.5E	13.6
	A579	PUPEX			22°06.0S	171°35.3E	13.5
	A579	TEPEK			18°43.3S	176°03.2E	13.1
	A579	NN	112.50	NADI	17°39.3S	177°23.7E	12.6
	APT	NFFN		NADI INTL	17°45.4S	177°26.6E	12.6
602	APT	NFFN		NADI INTL	17°45.4S	177°26.6E	12.6
	DCT	NN	112.50	NADI	17°39.3S	177°23.7E	12.6
	A579	KABAR			16°14.5S	178°20.1E	12.7
	A579	LANIS			15°00.0S	179°08.7E	12.4
	A579	IDEMU			10°00.0S	177°41.8W	11.4
	A579	CUFFY			05°00.0S	174°39.1W	10.7
	A579	CONIE			02°01.0N	170°19.7W	9.8
	A579	CANNS			09°11.0N	165°52.0W	9.4
	A579	CATCO			17°29.4N	160°38.2W	9.4
	A579	CARRP			19°04.4N	159°35.0W	9.6
	DCT	HNL	114.80	HONOLULU	21°18.5N	157°55.8W	11.0
	APT	PHNL		HONOLULU INTL	21°19.1N	157°55.3W	11.0
603	APT	PHNL		HONOLULU INTL	21°19.1N	157°55.3W	11.0
	DCT	HNL	114.80	HONOLULU	21°18.5N	157°55.8W	11.0
	V15	CKH	113.90	KOKO HEAD	21°15.9N	157°42.2W	11.0
	V15	MABBL			21°11.8N	157°25.2W	10.0
	V15	MKK	116.10	MOLOKAI	21°08.3N	157°10.0W	11.0
	V15	LORET			20°59.4N	156°41.5W	10.0
	V15	OGG	114.30	MAUI	20°53.9N	156°25.9W	11.0
	R577	AWAHI			21°06.3N	155°33.3W	10.1
	R577	AZIBA			21°18.0N	154°41.3W	10.2
	R577	TANFO			21°30.0N	153°46.0W	10.3
	R577	ALICA			21°34.9N	153°23.1W	10.3
	R577	EBBER			21°42.8N	153°08.8W	10.4
	R577	ERWEN			22°30.1N	151°33.9W	11.4
	R577	EXAMS			23°51.9N	148°41.3W	11.9
	R577	ENGIN			26°01.6N	143°43.4W	12.7
	R577	ETNIC			27°54.7N	138°51.4W	13.6
	R577	ESCRO			29°47.8N	133°15.4W	14.1
	R577	EKTAS			31°21.6N	127°45.2W	14.4
	R577	EDSEL			32°14.5N	124°05.9W	14.4
	R577	ELKEY			32°41.0N	122°03.1W	14.3
	DCT	MZB	117.80	MISSION BAY	32°46.9N	117°13.5W	13.3
	APT	KSAN		SAN DIEGO INTL	32°44.0N	117°11.4W	14.0
604	APT	KSAN		SAN DIEGO INTL	32°44.0N	117°11.4W	14.0
	DCT	MZB	117.80	MISSION BAY	32°46.9N	117°13.5W	13.3

J1	OCN	115.30	OCEANSIDE	33°14.4N	117°25.1W	15.0
J1	LAX	113.60	LOS ANGELES	33°56.0N	118°25.9W	13.8
J5	LANDO			35°00.7N	118°37.0W	13.7
J5	EHF	115.40	SHAFTER	35°29.1N	119°05.8W	14.0
J5	PINNI			36°47.9N	119°16.3W	15.1
J5	TIOGA			37°56.0N	119°25.7W	15.6
J5	SONNY			38°20.1N	119°29.1W	15.8
J5	TILTS			38°38.1N	119°31.6W	15.9
J5	FMG	117.90	MUSTANG	39°31.9N	119°39.4W	15.2
APT	KRNO		RENO/TAHOE INTL	39°29.9N	119°46.1W	16.1
605 APT	KRNO		RENO/TAHOE INTL	39°29.9N	119°46.1W	16.1
DCT	FMG	117.90	MUSTANG	39°31.9N	119°39.4W	15.2
J92	WNDEL			40°23.6N	120°19.0W	15.5
J92	LMT	115.90	KLAMATH FALLS	42°09.2N	121°43.7W	17.0
J189	BTG	116.60	BATTLEGROUND	45°44.9N	122°35.5W	18.0
APT	KPDX		PORTLAND INTL	45°35.3N	122°35.9W	20.0
606 APT	KPDX		PORTLAND INTL	45°35.3N	122°35.9W	20.0
DCT	BTG	116.60	BATTLEGROUND	45°44.9N	122°35.5W	18.0
J136	YKM	116.00	YAKIMA	46°34.2N	120°26.7W	21.0
J136	GEG	115.50	SPOKANE	47°33.9N	117°37.6W	21.0
J3	EDGES			48°57.9N	116°33.6W	16.6
J3	BZXIV			49°00.0N	116°31.9W	17.4
J3	YXC	112.10	CRANBROOK	49°33.3N	116°05.3W	20.0
J505	CONER			50°09.9N	115°15.0W	16.8
J505	YYC	116.70	CALGARY	51°06.9N	113°52.9W	20.0
APT	CYYC		CALGARY INTL	51°06.8N	114°01.2W	19.5
607 APT	CYYC		CALGARY INTL	51°06.8N	114°01.2W	19.5
DCT	YYC	116.70	CALGARY	51°06.9N	113°52.9W	20.0
J476	ALOMO			51°18.9N	112°45.6W	17.0
J476	FILLE			51°25.2N	112°08.6W	16.7
J476	YEA	115.90	EMPRESS	50°55.6N	109°59.3W	17.0
J476	YQV	115.80	YORKTON	51°15.8N	102°28.1W	12.0
J515	VLR	112.20	LANGRUTH	50°25.3N	098°43.4W	9.0
J515	YWG	115.50	WINNIPEG	49°55.7N	097°14.4W	7.0
APT	CYWG		WINNIPEG INTL	49°54.6N	097°14.6W	5.0
608 APT	CYWG		WINNIPEG INTL	49°54.6N	097°14.6W	5.0
DCT	YWG	115.50	WINNIPEG	49°55.7N	097°14.4W	7.0
J89	DLH	112.60	DULUTH	46°48.1N	092°12.2W	0.9
J89	BGOSH			44°15.7N	089°26.0W	-1.6
J89	BAE	116.40	BADGER	43°07.0N	088°17.1W	-2.4
J89	OBK	113.00	NORTHBROOK	42°13.3N	087°57.1W	-2.5
APT	KORD		CHICAGO-O'HARE INTL	41°58.7N	087°54.3W	-1.2
609 APT	KORD		CHICAGO-O'HARE INTL	41°58.7N	087°54.3W	-1.2
DCT	OBK	113.00	NORTHBROOK	42°13.3N	087°57.1W	-2.5
J73	GUIDO			40°17.4N	087°51.8W	-1.3
J73	TILMN			39°29.7N	087°49.7W	-1.3
J73	PXV	113.30	POCKET CITY	37°55.7N	087°45.7W	3.0
J73	BNA	114.10	NASHVILLE	36°08.2N	086°41.1W	-0.8
APT	KBNA		NASHVILLE INTL	36°07.5N	086°40.7W	-2.0
610 APT	KBNA		NASHVILLE INTL	36°07.5N	086°40.7W	-2.0
DCT	BNA	114.10	NASHVILLE	36°08.2N	086°41.1W	-0.8

	J39	SALMS			35°00.1N	086°47.1W	-1.8
	J39	VUZ	114.40	VULCAN	33°40.2N	086°54.0W	2.0
	J31	DELBE			33°13.8N	087°33.6W	0.4
	J31	MEI	117.00	MERIDIAN	32°22.7N	088°48.3W	5.0
	J31	HRV	114.10	HARVEY	29°51.0N	090°00.2W	1.7
	APT	KMSY		ARMSTRONG NEW ORLEANS INTL	29°59.6N	090°15.5W	2.5
611	APT	KMSY		ARMSTRONG NEW ORLEANS INTL	29°59.6N	090°15.5W	2.5
	DCT	HRV	114.10	HARVEY	29°51.0N	090°00.2W	1.7
	A321	IVONE			28°15.0N	089°12.2W	2.6
	A321	ELIOM			25°03.5N	087°41.0W	0.5
	DCT	MYDIA			24°02.4N	086°09.5W	-1.3
	DCT	VINKA			23°12.0N	084°48.0W	-2.0
	DCT	UCY	380.0	CAYABO	22°51.6N	082°51.1W	-0.9
	DCT	UHA	348.0	HAVANA	22°56.0N	082°29.5W	-3.3
	APT	MUHA		JOSE MARTI INTL	22°59.3N	082°24.5W	-3.0
612	APT	MUHA		JOSE MARTI INTL	22°59.3N	082°24.5W	-3.0
	DCT	UHA	348.0	HAVANA	22°56.0N	082°29.5W	-3.3
	DCT	UCL	112.10	CAYO LARGO DEL SUR	21°36.3N	081°32.0W	-2.6
	UG442	IBSEN			20°30.9N	080°14.3W	-4.4
	UG442	KATAL			20°00.0N	079°38.3W	-4.9
	UG442	ALORA			19°25.8N	078°58.9W	-4.9
	UG442	SIA	115.70	SANGSTER	18°30.1N	077°55.4W	-5.2
	UG442	KEMBO			18°13.1N	077°21.3W	-6.1
	UG442	MLY	115.50	MANLEY	17°55.8N	076°46.7W	-6.1
	UG442	AMBIN			15°41.0N	074°00.0W	-7.8
	UG442	LIDOL			15°04.2N	073°12.0W	-8.2
	UG442	DUNER			13°29.4N	071°10.5W	-9.2
	UG442	ABA	112.50	ARUBA	12°30.3N	069°56.6W	-9.5
	UA574	PJG	116.70	CURACAO	12°11.8N	069°00.7W	-10.1
	APT	TNCC		WILLEMSTAD/HATO INTL	12°11.3N	068°57.6W	-9.0
613	APT	TNCC		WILLEMSTAD/HATO INTL	12°11.3N	068°57.6W	-9.0
	DCT	PJG	116.70	CURACAO	12°11.8N	069°00.7W	-10.1
	UG431	BEXER			14°11.6N	068°11.3W	-8.6
	UG431	BOSCO			14°40.9N	067°59.1W	-8.9
	UG431	SCAPA			15°50.0N	067°30.0W	-11.4
	G431	DAKES			17°02.9N	066°60.0W	-10.0
	G431	DDP	391.0	DORADO	18°28.1N	066°24.7W	-10.6
	G432	CORAF			18°38.8N	066°23.4W	-12.4
	G432	SAALR			19°06.8N	066°20.2W	-11.7
	G432	VERMO			20°07.6N	066°12.9W	-11.1
	G432	THANK			21°27.6N	066°03.2W	-11.5
	G432	GRANN			23°30.0N	065°48.0W	-12.2
	G432	MOFFY			29°23.0N	065°05.0W	-14.1
	G432	BDA	113.90	BERMUDA	32°21.9N	064°41.4W	-15.6
	APT	TXKF		BERMUDA INTL	32°21.8N	064°40.7W	-15.6
614	APT	TXKF		BERMUDA INTL	32°21.8N	064°40.7W	-15.6
	DCT	BDA	113.90	BERMUDA	32°21.9N	064°41.4W	-15.6
	DCT	3460N		N34W060	34°00.0N	060°00.0W	-17.6
	DCT	3555N		N34W061	35°00.0N	055°00.0W	-19.1
	DCT	3650N		N34W062	36°00.0N	050°00.0W	-19.6
	DCT	3745N		N34W063	37°00.0N	045°00.0W	-16.6

	DCT	3840N	N34W064	38°00.0N	040°00.0W	-15.5
	DCT	3835N	N34W065	38°00.0N	035°00.0W	-13.9
	DCT	3830N	N34W066	38°00.0N	030°00.0W	-12.1
	DCT	RODIL		38°04.7N	027°36.4W	-11.4
	DCT	VSM 113.70	SANTA MARIA	36°57.8N	025°10.0W	-10.2
	APT	LPАЗ	SANTA MARIA	36°58.4N	025°10.3W	-10.5
615	APT	LPАЗ	SANTA MARIA	36°58.4N	025°10.3W	-10.5
	DCT	VSM 113.70	SANTA MARIA	36°57.8N	025°10.0W	-10.2
	DCT	BEKUN		37°56.9N	023°14.1W	-10.1
	DCT	3920N	N39W020	39°00.0N	020°00.0W	-8.3
	DCT	ERPES		40°00.0N	015°00.0W	-7.8
	UZ25	SOPOP		40°26.4N	012°23.2W	-6.1
	UZ25	DIRMA		40°51.1N	009°30.1W	-4.6
	DCT	PRT 114.10	PORTO	41°16.4N	008°41.3W	-5.3
	APT	LPРР	FRANCISCO SA CARNEIRO	41°14.1N	008°40.7W	-5.2
616	APT	LPРР	FRANCISCO SA CARNEIRO	41°14.1N	008°40.7W	-5.2
	DCT	PRT 114.10	PORTO	41°16.4N	008°41.3W	-5.3
	UP600	TURON		42°04.1N	008°33.8W	-5.2
	UP600	STG 116.40	SANTIAGO	42°55.6N	008°25.5W	-4.3
	UN866	KORUL		44°50.1N	006°55.2W	-5.0
	UN866	KOLEK		46°36.8N	005°24.5W	-6.1
	UN866	COQUE		47°04.7N	004°59.4W	-6.0
	UN866	KEREB		47°35.5N	004°31.5W	-4.5
	UN866	QPR 117.80	QUIMPER	47°57.4N	004°11.1W	-4.5
	UN868	ARE 112.50	MONT'S DARREE	48°20.0N	003°36.1W	-4.0
	UN868	BADUR		48°42.6N	002°57.1W	-3.8
	UN868	JSY 112.20	ERSEY	49°13.3N	002°02.8W	-2.7
	UN868	AKIKI		49°35.5N	001°25.0W	-2.9
	UN867	GARMI		50°00.0N	001°22.8W	-2.9
	UN867	KATHY		50°31.2N	001°20.0W	-3.9
	UL980	AVANT		50°49.2N	000°56.3W	-3.3
	DCT	MID 114.00	MIDHURST	51°03.2N	000°37.5W	-2.7
	APT	EGKK	GATWICK	51°08.9N	000°11.4W	-2.0
617	APT	EGKK	GATWICK	51°08.9N	000°11.4W	-2.0
	DCT	LAM 115.60	LAMBOURNE	51°19.9N	000°02.1E	-2.5
	UL10	BPK 117.50	BROOKMANS PARK	51°45.0N	000°06.4W	-2.4
	UN601	POTON		52°05.1N	000°25.6W	-3.8
	UN601	BEDFO		52°13.5N	000°33.8W	-3.9
	UN601	EBOTO		52°21.5N	000°41.7W	-3.0
	UN601	LESTA		52°44.4N	001°04.3W	-4.2
	UN601	ROBIN		52°57.8N	001°17.7W	-4.3
	UN601	DISAL		53°17.5N	001°37.8W	-3.7
	UN601	BOLBI		53°28.0N	001°48.8W	-3.8
	UN601	POL 112.10	POLE HILL	53°44.6N	002°06.2W	-4.2
	UN601	RIBEL		54°01.0N	002°17.4W	-5.0
	UN601	SHAPP		54°30.0N	002°37.6W	-5.2
	UN601	MARGO		54°42.4N	002°46.5W	-5.4
	APT	EGPH	EDINBURGH	55°57.0N	003°22.4W	-5.0
618	APT	EGPH	EDINBURGH	55°57.0N	003°22.4W	-5.0
	DCT	SAB 112.50	ST ABBS	55°54.5N	002°12.4W	-4.8
	UM89	RIVOT		56°24.5N	000°46.6E	-3.3

	UM89	ALOTI		57°54.5N	003°36.5E	-2.4
	UM89	ZOL	116.85 STAVANGER SOLA	58°52.5N	005°38.4E	-1.9
	UP600	SOTIR		59°19.6N	007°30.0E	-1.6
	UP600	TRF	352.0 TYRIFJORD	59°55.8N	010°16.2E	0.4
	UP600	GRM	115.95 GARDERMOEN	60°11.5N	011°04.5E	-0.1
	APT	ENGM	OSLO GARDERMOEN	60°12.2N	011°05.0E	0.0
619	APT	ENGM	OSLO GARDERMOEN	60°12.2N	011°05.0E	0.0
	DCT	SKI	113.60 SKIEN	59°11.3N	009°34.2E	-0.2
	UT551	BINRO		58°09.6N	009°47.2E	-0.5
	UT551	AAL	116.70 AALBORG	57°06.2N	009°59.6E	0.2
	UP615	RADIS		56°32.5N	009°59.7E	-0.2
	UP615	LUTUS		56°06.0N	009°59.7E	0.2
	UP615	ABINO		55°58.1N	009°59.7E	-0.3
	UP615	RIDSI		55°35.5N	009°59.6E	-0.2
	UP615	ASBIL		55°22.3N	009°59.6E	-0.2
	UP615	ALS	114.70 ALSIE	54°54.3N	009°59.6E	-0.2
	UM852	ALASA		54°48.5N	009°57.7E	-0.2
	UM852	EKERN		54°30.3N	009°51.8E	0.3
	UM852	HAM	113.10 HAMBURG	53°41.1N	010°12.3E	0.6
	UM852	AMLUH		53°25.7N	010°19.3E	0.5
	UM852	HLZ	117.30 HEHLINGEN	52°21.8N	010°47.7E	0.2
	UM852	POVEL		52°07.7N	010°49.7E	0.2
	UZ16	ABGUS		51°52.0N	011°03.2E	0.9
	UZ16	KENIG		51°37.2N	011°15.9E	1.0
	UZ16	GALMA		51°23.9N	011°27.1E	1.1
	UM736	SONDU		51°17.5N	011°28.3E	1.1
	UM736	RELKO		51°04.1N	011°30.7E	1.0
	T703	ALOSO		50°40.6N	011°43.0E	1.1
	T703	SODRO		50°27.9N	011°49.6E	1.1
	T703	URONA		50°15.2N	011°56.0E	1.2
	T703	ABERU		50°04.2N	012°01.7E	1.2
	T703	RONIG		49°59.3N	012°05.8E	1.2
	T703	TIPAM		49°54.6N	012°09.9E	1.4
	T703	ARMUT		49°43.4N	012°19.4E	1.3
	T703	ELSAL		49°27.0N	012°42.4E	1.6
	T703	LEKMI		49°23.3N	012°47.6E	1.5
	T105	MAXAL		49°13.2N	012°44.3E	1.5
	T105	VAMAS		48°43.4N	012°22.3E	1.5
	T105	LANDU		48°35.8N	012°16.4E	1.3
	APT	EDDM	MUNICH	48°21.2N	011°47.2E	1.4
620	APT	EDDM	MUNICH	48°21.2N	011°47.2E	1.4
	DCT	MUN	112.30 MUNCHEN	48°10.8N	011°49.0E	1.3
	UL603	LAKOL		48°04.3N	012°00.9E	1.5
	UL603	ROTIN		47°56.6N	012°14.8E	1.5
	UL603	CHIEM		47°49.5N	012°27.4E	1.4
	UL603	UNKEN		47°41.4N	012°41.8E	1.4
	UL603	OBEDI		47°19.7N	013°19.8E	1.6
	UN739	GOTAR		46°59.9N	016°13.5E	2.2
	UN739	BABIT		45°55.9N	018°55.7E	2.7
	UN739	LULIK		45°31.6N	019°26.7E	2.9
	UN739	NIVIS		45°15.1N	019°47.2E	3.0

	UN739	BEO	112.30	BELGRADE	44°48.4N	020°20.1E	2.6
	APT	LYBE		BELGRADE	44°49.2N	020°18.4E	3.0
621	APT	LYBE		BELGRADE	44°49.2N	020°18.4E	3.0
	DCT	BEO	112.30	BELGRADE	44°48.4N	020°20.1E	2.6
	UN739	GOLIP			44°33.0N	020°41.7E	3.1
	UN739	NEPOS			44°00.4N	021°26.3E	3.2
	UN739	RAVAK			43°41.2N	021°37.6E	3.2
	UN739	NISVA			42°58.4N	022°47.9E	3.3
	UN739	SOF	112.60	SOFIA	42°41.9N	023°23.4E	2.9
	UN739	WAK	490.0	VAKAREL	42°35.0N	023°42.0E	3.0
	UN739	LARAT			42°30.5N	023°52.2E	3.0
	UN739	PDV	114.90	PLOVDIV	42°03.2N	024°52.6E	3.5
	UN739	ADORU			41°52.3N	026°34.1E	3.7
	UG80	ULMAR			41°12.5N	027°12.6E	3.8
	UG80	EKI	116.30	TEKIRDAG	40°57.0N	027°25.6E	3.3
	UM603	IST	112.50	ISTANBUL	40°57.7N	028°48.6E	3.8
	APT	LTBA		ISTANBUL ATATURK	40°58.6N	028°48.8E	4.5
622	APT	LTBA		ISTANBUL ATATURK	40°58.6N	028°48.8E	4.5
	DCT	IST	112.50	ISTANBUL	40°57.7N	028°48.6E	3.8
	DCT	YAA	117.70	YALOVA	40°33.9N	029°22.3E	3.5
	UL620	SULTA			40°02.7N	029°43.9E	3.9
	UL620	KARGI			39°27.3N	030°06.9E	4.0
	UL620	KFK	112.20	AFYON	38°48.2N	030°32.8E	4.0
	UL620	OKLAM			38°05.4N	031°35.0E	4.0
	UL620	MUT	112.30	MUT	36°51.8N	033°17.5E	3.5
	UL620	VESAR			35°54.9N	034°01.0E	3.9
	UL619	NIKAS			35°11.6N	035°43.0E	3.3
	R785	BAN	304.0	BANIAS	35°13.6N	035°57.4E	3.3
	R785	BRAVO			34°41.6N	036°39.2E	3.9
	N1	LEBOR			34°15.9N	036°35.0E	3.8
	L513	LOTAX			33°59.0N	036°32.4E	3.7
	L513	MALLA			33°51.1N	036°31.5E	3.7
	L513	ADRAA			33°36.8N	036°30.0E	3.6
	L513	DAM	116.00	DAMASCUS	33°21.9N	036°28.1E	3.7
	APT	OSDI		DAMASCUS INTL	33°24.6N	036°30.8E	3.2
623	APT	OSDI		DAMASCUS INTL	33°24.6N	036°30.8E	3.2
	DCT	DAM	116.00	DAMASCUS	33°21.9N	036°28.1E	3.7
	L513	RDIMA			33°02.0N	036°32.0E	3.5
	L513	SWIDA			32°43.0N	036°34.0E	3.5
	L513	BUSRA			32°20.0N	036°37.0E	3.5
	L513	HAZEM			32°14.0N	036°38.0E	3.5
	L513	AMRAH			32°07.4N	036°32.0E	3.2
	L513	QAA	115.20	QUEEN ALIA-AMMAN	31°44.5N	036°09.5E	3.1
	L513	QTR	112.90	QATRANEH	31°14.9N	036°03.6E	3.4
	R652	QATIM			29°56.0N	035°16.0E	3.2
	R652	METSA			29°29.9N	034°60.0E	2.8
	W733	NWB	288.0	NUWEIBA	29°01.9N	034°40.3E	3.1
	R650	DELMA			28°30.7N	034°32.1E	2.6
	R650	SHM	114.20	SHARM EL SHIEKH	27°59.9N	034°24.8E	3.0
	R650	HGD	116.50	HURGHADA	27°10.7N	033°47.8E	3.1
	APT	HEGN		HURGHADA INTL	27°10.7N	033°48.0E	3.0

624	APT	HEGN		HURGHADA INTL	27°10.7N	033°48.0E	3.0
	DCT	HGD	116.50	HURGHADA	27°10.7N	033°47.8E	3.1
	R650	ASRAB			25°47.4N	033°06.3E	2.7
	DCT	UMINI			23°49.0N	034°10.0E	2.2
	A451	ALEBA			22°00.0N	035°27.0E	2.1
	A451	PSD	113.10	PORT SUDAN	19°24.1N	037°14.5E	2.5
	APT	HSPN		PORT SUDAN	19°26.0N	037°14.0E	2.5
625	APT	HSPN		PORT SUDAN	19°26.0N	037°14.0E	2.5
	DCT	PSD	113.10	PORT SUDAN	19°24.1N	037°14.5E	2.5
	A451	TOKAR			18°06.4N	037°48.2E	1.9
	A451	BARKU			16°51.2N	038°17.8E	1.9
	A451	ASM	113.70	ASMARA	15°17.0N	038°54.0E	2.2
	A451	EKBOR			14°25.1N	040°22.0E	1.7
	A451	GEREK			14°03.3N	041°00.0E	1.9
	A451	IBRAD			13°25.9N	042°00.0E	1.8
	A451	SB	345.0	ASSAB	13°04.0N	042°38.8E	1.4
	UR775	MANDA			12°35.4N	042°47.3E	1.4
	UR775	DTI	113.90	DJIBOUTI	11°32.9N	043°05.7E	0.8
	APT	HDAM		AMBOULI	11°32.8N	043°09.5E	1.1
626	APT	HDAM		AMBOULI	11°32.8N	043°09.5E	1.1
	DCT	DTI	113.90	DJIBOUTI	11°32.9N	043°05.7E	0.8
	B535	LAKBE			11°02.4N	042°09.7E	1.5
	B535	NIDEG			10°35.3N	041°22.2E	1.6
	B535	ASOLE			09°56.4N	040°13.9E	1.6
	B535	GWZ	115.90	GAWASA	09°06.4N	038°46.2E	1.6
	DCT	ETIVA			08 23.3N	038 23.8E	
	UA408	BENDO			07°36.8N	038°00.5E	1.5
	UA408	ETGOM			06°51.5N	037°38.5E	1.4
	UA408	EKBUL			03°59.8N	036°05.1E	1.0
	UA408	LOV	114.50	LODWAR	03°06.6N	035°36.7E	0.5
	UA408	PATAR			02°27.5N	034°57.0E	0.8
	UA408	NABRO			01°49.6N	034°15.0E	0.3
	UA408	NN	117.50	ENTEBBE	00°03.2N	032°26.3E	0.5
	APT	HUEN		ENTEBBE INTL	00°02.4N	032°26.4E	0.4
627	APT	HUEN		ENTEBBE INTL	00°02.4N	032°26.4E	0.4
	DCT	NN	117.50	ENTEBBE	00°03.2N	032°26.3E	0.5
	UG656	APNAD			01°00.2S	032°33.4E	0.3
	UG656	ITBOS			01°43.5S	032°38.2E	0.1
	UG656	UTEGI			02°28.1S	032°43.2E	-0.1
	UG656	ITOBO			05°02.6S	033°00.5E	-0.8
	UG656	MB	320.0	MBEYA	08°54.9S	033°27.5E	-2.3
	UG656	OVANA			09°37.2S	033°30.0E	-2.7
	UG656	MEKRO			10°42.0S	033°35.0E	-3.0
	UG656	UTALA			11°25.0S	033°37.7E	-3.7
	UG656	ANTOP			11°30.0S	033°38.5E	-3.4
	UG656	DVL	114.90	LILONGWE	13°48.7S	033°48.5E	-5.2
	UB400	ELEPA			14°56.7S	033°04.6E	-6.0
	UB400	KOBOD			16°25.6S	032°06.3E	-6.4
	UB400	VSB	113.10	HARARE	17°54.4S	031°07.1E	-8.2
	APT	FBVA		HARARE INTL	17°56.0S	031°05.6E	-7.0
628	APT	FBVA		HARARE INTL	17°56.0S	031°05.6E	-7.0

	DCT	VSB	113.10	HARARE	17°54.4S	031°07.1E	-8.2
	UR525	AXILA			19°05.6S	031°18.5E	-9.4
	UR525	APGID			19°29.9S	031°22.4E	-9.9
	UR525	KURLA			21°57.0S	031°46.0E	-11.5
	UB529	AXALO			23°23.7S	032°07.5E	-14.5
	UB529	ATUSI			24°34.4S	032°18.7E	-14.3
	UB529	VMA	112.70	MAPUTO	25°52.1S	032°36.3E	-15.9
	UB529	PUTNA			26°50.0S	032°14.5E	-19.7
	UB529	ES	202.5	ESHOWE	28°53.3S	031°26.9E	-21.8
	UB529	DNV	112.50	DURBAN	29°58.3S	030°57.1E	-22.9
	APT	FADN		DURBAN INTL	29°57.9S	030°57.0E	-23.3
629	APT	FADN		DURBAN INTL	29°57.9S	030°57.0E	-23.3
	DCT	DNV	112.50	DURBAN	29°58.3S	030°57.1E	-22.9
	UB529	ES	202.5	ESHOWE	28°53.3S	031°26.9E	-21.8
	UB529	PUTNA			26°50.0S	032°14.5E	-19.7
	UB529	VMA	112.70	MAPUTO	25°52.1S	032°36.3E	-15.9
	UB536	USUMO			25°17.1S	033°58.4E	-18.2
	UB536	BOTAM			24°47.4S	035°05.9E	-17.8
	UB536	EROPA			22°29.8S	040°00.0E	-16.8
	UB536	EDAMA			22°11.0S	040°38.0E	-15.8
	UB536	VSO	397.0	MORONDAVA	20°17.3S	044°19.0E	-15.6
	UB536	IXAGU			19°54.4S	045°08.5E	-14.7
	UB536	SOPVI			19°14.9S	046°34.3E	-12.8
	UB536	TNV	114.50	ANTANANARIVO	18°48.2S	047°31.1E	-15.0
	APT	FMMI		IVATO	18°47.8S	047°28.6E	-14.5
630	APT	FMMI		IVATO	18°47.8S	047°28.6E	-14.5
	DCT	TNV	114.50	ANTANANARIVO	18°48.2S	047°31.1E	-15.0
	UB459	GATLA			16°37.8S	048°49.0E	-12.2
	UB459	TIKAP			16°01.1S	049°10.6E	-11.4
	UB459	UVGET			15°00.2S	049°46.0E	-10.6
	UB459	SA	376.0	SAMBAVA SOUTH	14°16.7S	050°10.6E	-10.4
	UB459	TIKEL			13°38.0S	050°33.3E	-9.6
	UB459	IXEBU			12°07.2S	051°24.8E	-8.6
	UB459	UVDUK			11°40.5S	051°39.9E	-8.4
	UB459	MIROV			10°00.0S	052°36.1E	-7.6
	UB459	NORSI			07°15.2S	054°07.3E	-6.3
	UB459	PRA	115.70	PRASLIN	04°18.4S	055°42.4E	-5.4
	DCT	SEY	113.10	SEYCHELLES	04°40.6S	055°32.0E	-5.5
	APT	FSIA		SEYCHELLES INTL	04°40.5S	055°31.3E	-5.0
631	APT	FSIA		SEYCHELLES INTL	04°40.5S	055°31.3E	-5.0
	DCT	PRA	115.70	PRASLIN	04°18.4S	055°42.4E	-5.4
	UG465	ORLOM			02°58.6S	058°46.1E	-4.9
	UG465	OTKIR			02°26.2S	060°00.1E	-5.3
	G465	ELKEL			01°49.1N	069°11.0E	-4.4
	G465	ESKOL			03°47.7N	072°47.9E	-3.7
	G465	MLE	114.70	MALE	04°11.6N	073°31.8E	-3.7
	G465	DOPDO			04°32.5N	074°17.4E	-3.5
	G465	SEBLO			06°00.0N	077°30.0E	-3.4
	G465	SUPSA			06°47.0N	079°03.1E	-2.8
	G465	KAT	112.70	KATUNAYAKE	07°09.7N	079°52.1E	-2.6
	APT	VCBI		BANDARANAIKE INTL COLOMBO	07°10.8N	079°53.0E	-2.7

632	APT	VCBI		BANDARANAIKE INTL COLOMBO	07°10.8N	079°53.0E	-2.7
	DCT	KAT	112.70	KATUNAYAKE	07°09.7N	079°52.1E	-2.6
	P762	CB			07°34.4N	081°00.0E	-2.5
	P762	ESPAP			08°13.7N	082°52.3E	-2.3
	P762	DUGOS			08°53.1N	084°47.9E	-2.0
	P762	XOKRO			09°15.1N	085°52.3E	-1.8
	P762	ELSAR			09°46.1N	087°21.1E	-1.7
	P762	BIKEN			10°12.3N	088°31.8E	-1.5
	P762	DOTEN			10°44.6N	089°59.8E	-1.3
	P762	PPB	115.70	PORT BLAIR	11°39.0N	092°44.8E	-0.9
	P762	LULDA			12°23.7N	094°25.0E	-0.8
	DCT	HGU	112.30	YANGON	17°05.0N	096°15.1E	-0.6
	APT	VYYY		YANGON INTL	16°54.3N	096°08.2E	-1.0
633	APT	VYYY		YANGON INTL	16°54.3N	096°08.2E	-1.0
	DCT	BGO	112.60	BAGO	17°19.1N	096°31.3E	-0.5
	A581	BINOV			17°52.0N	097°33.0E	-0.8
	A581	PUKOK			18°00.0N	097°43.0E	-1.0
	A581	OSADI			18°19.4N	098°52.5E	-0.8
	A581	CMA	116.90	CHIANG MAI	18°46.0N	098°57.7E	-0.4
	A581	CTR	116.50	CHIANG RAI	19°56.9N	099°53.0E	-0.6
	A581	PONUK			20°18.9N	100°23.3E	-0.7
	A581	SAGAG			21°11.5N	101°37.4E	-0.9
	A581	BIDRU			22°43.1N	100°57.9E	-0.7
	A581	DALNU			24°21.0N	102°13.4E	-0.9
	A581	KMG	112.90	KUNMING	25°01.0N	102°44.0E	-1.3
	APT	ZPPP		KUNMING-WUJIABA	25°00.0N	102°45.0E	-1.3
634	APT	ZPPP		KUNMING-WUJIABA	25°00.0N	102°45.0E	-1.3
	DCT	KMG	112.90	KUNMING	36°31.0N	103°37.3E	-2.0
	G212	SL	307.0	MAGUOHE	25°01.0N	102°44.0E	-1.3
	G212	HX	285.0	MAGUOHE	25°26.9N	103°17.5E	-1.0
	G212	OMLIP			26°51.6N	104°16.9E	-1.3
	G212	FJC	113.90	FUJIACHANG	27°42.6N	104°17.2E	-1.3
	G212	JTG	115.40	JINTANG	29°55.7N	104°18.3E	-1.3
	B330	DOREX			30°52.3N	104°23.6E	-1.5
	B330	OMBON			31°08.8N	104°22.8E	-1.5
	B330	JTA	114.90	JINGTAI	33°21.4N	104°16.3E	-1.6
	APT	ZLLL		LANZHOU-ZHONGCHUAN	37°11.7N	104°04.8E	-1.5
635	APT	ZLLL		LANZHOU-ZHONGCHUAN	36°31.0N	103°37.3E	-2.0
	DCT	JTA	114.90	JINGTAI	37°11.7N	104°04.8E	-1.5
	DCT	DARAN			38°12.1N	107°43.3E	-2.7
	B215	APOGO			37°56.0N	110°39.1E	-3.6
	B215	TYN	113.10	TAIYUAN	37°45.1N	112°37.2E	-4.3
	G212	NONIT			38°41.2N	113°55.5E	-4.8
	G212	KR	314.0	NANCHENGZI	39°07.9N	114°33.2E	-5.1
	G212	CD	422.0	QINGBAIKOU	40°00.5N	115°48.0E	-5.7
	DCT	PEK	114.70	BEIJING	40°03.1N	116°36.0E	-5.9
	APT	ZBAA		BEIJING-CAPITAL	40°04.5N	116°35.4E	-6.0
636	APT	ZBAA		BEIJING-CAPITAL	40°04.5N	116°35.4E	-6.0
	DCT	PEK	114.70	BEIJING	40°03.1N	116°36.0E	-5.9
	DCT	VM	280.0	SHIGEZHUANG	39°18.0N	116°54.0E	-6.0
	DCT	CG	339.0	TIANJIN	39°04.4N	117°22.7E	-5.9

A326	PAMDA			38°49.9N	119°03.1E	-6.2
A326	ANRAT			38°39.9N	119°57.8E	-6.5
A326	ALARA			38°34.0N	120°33.0E	-6.7
A326	MAKNO			38°27.8N	121°08.9E	-6.9
A326	SANKO			38°15.0N	122°27.2E	-7.3
B332	TOMUK			38°42.9N	124°00.0E	-7.4
B332	SAMAN			39°18.0N	125°06.0E	-7.9
DCT	GK	111.40	PYONGYANG	39°14.0N	125°40.4E	-8.0
APT	ZKPY		PYONGYANG-SUNAN	39°14.6N	125°40.5E	-7.3
637 APT	ZKPY		PYONGYANG-SUNAN	39°14.6N	125°40.5E	-7.3
DCT	GK	111.40	PYONGYANG	39°14.0N	125°40.4E	-8.0
DCT	KAE	115.60	GANGWON	37°42.0N	128°45.2E	-7.7
G597	SORKA			37°26.4N	129°17.7E	-7.9
G597	LANAT			36°22.4N	131°25.7E	-7.6
G597	KABKI			35°45.2N	132°39.5E	-7.4
G597	JEC	116.70	MIHO	35°31.9N	133°05.7E	-7.2
V53	YUBAR			35°02.2N	133°37.6E	-7.1
V53	OKC	115.90	OKAYAMA	34°40.3N	134°00.9E	-6.9
DCT	STE	114.40	SHODO	34°30.5N	134°16.6E	-6.9
DCT	KNE	111.80	KANSAI	34°25.8N	135°15.1E	-6.8
APT	RJBB		OSAKA-KANSAI	34°25.6N	135°14.6E	-6.8
638 APT	RJBB		OSAKA-KANSAI	34°25.6N	135°14.6E	-6.8
DCT	KNE	111.80	KANSAI	34°25.8N	135°15.1E	-6.8
DCT	KTE	108.40	KAGAWA	34°12.7N	134°01.3E	-6.9
V53	OBOKE			34°00.9N	133°55.3E	-6.8
V53	POPPY			33°49.1N	133°49.3E	-6.8
V53	KRE	113.70	KOCHI	33°32.5N	133°40.8E	-6.6
V53	SUSAK			33°20.4N	133°30.2E	-6.6
V53	OKITU			33°04.2N	133°16.2E	-6.5
V53	SUC	115.20	SHIMIZU	32°45.4N	132°59.8E	-6.4
A1	FENIX			32°08.5N	131°35.5E	-6.2
A1	JINGU			31°54.2N	131°02.9E	-6.1
A1	HKC	113.30	KAGOSHIMA	31°41.8N	130°35.0E	-6.1
A1	KAZAN			31°23.1N	130°06.7E	-5.9
A1	KOSHI			31°17.3N	129°57.9E	-5.9
A1	RUSAR			29°51.9N	127°50.2E	-5.4
A1	AKVAS			29°35.2N	127°27.9E	-5.2
A1	SAPET			28°38.2N	126°07.9E	-4.8
A1	BULAN			27°05.7N	123°59.9E	-4.2
A1	OSTAR			26°19.9N	123°00.0E	-3.8
A1	AISAR			25°56.8N	122°29.6E	-3.9
A1	ANNNA			25°34.3N	122°01.3E	-3.7
A1	APU	112.50	NPU	25°10.6N	121°31.3E	-3.4
A1	HLG	114.90	HOU LUNG	24°38.4N	120°47.0E	-3.2
A1	SWORD			24°00.3N	120°05.0E	-3.1
A1	MKG	115.20	MAKUNG	23°35.7N	119°38.2E	-2.8
A1	KADLO			22°57.3N	118°32.5E	-2.5
A1	ELATO			22°20.0N	117°30.0E	-2.3
A1	MAGOG			22°17.8N	115°49.5E	-2.2
A1	CH	112.30	CHEUNG CHAU	22°13.2N	114°01.8E	-1.8
APT	VHHH		HONG KONG	22°18.5N	113°54.9E	-2.0

639	APT	VHHH		HONG KONG	22°18.5N	113°54.9E	-2.0
	DCT	CH	112.30	CHEUNG CHAU	22°13.2N	114°01.8E	-1.8
	L642	EPDOS			19°00.0N	113°33.3E	-1.4
	L642	ENBOK			18°33.4N	113°29.5E	-1.3
	L642	EPKAL			17°51.5N	112°57.3E	-1.2
	L642	EGEMU			17°00.0N	112°17.0E	-1.0
	L642	EXOTO			15°21.5N	111°03.0E	-0.7
	L642	EKIMA			14°57.2N	110°44.7E	-0.7
	L642	VEPAM			13°58.0N	110°00.0E	-0.5
	L642	KARAN			12°38.9N	109°09.4E	-0.4
	L642	PTH	114.10	PHANTHIET	10°55.7N	108°04.2E	-0.1
	W2	AC	320.0	ANLOC	10°56.3N	107°11.3E	-0.1
	W1	TSN	116.70	TANSONNHAT	10°49.0N	106°38.7E	-0.1
	APT	VVTS		TANSONNHAT INTL - HOCHIMINH	10°49.2N	106°39.6E	-0.1
640	APT	VVTS		TANSONNHAT INTL - HOCHIMINH	10°49.2N	106°39.6E	-0.1
	DCT	TSN	116.70	TANSONNHAT	10°49.0N	106°38.7E	-0.1
	M768	LANHI			10°24.0N	107°11.2E	-0.1
	M768	ELSAS			10°08.2N	107°32.9E	-0.1
	M768	DAGAG			09°27.8N	108°26.5E	-0.1
	M768	MOXON			08°49.5N	109°21.3E	0.0
	M768	AKMON			08°12.9N	110°13.1E	0.1
	M768	LAGOT			07°16.5N	111°32.7E	0.2
	M768	TODAM			06°31.6N	112°35.6E	0.3
	M768	ASISU			05°59.1N	113°20.8E	0.4
	M768	DOGOG			05°25.3N	114°07.7E	0.4
	M768	BRU	112.00	BRUNEI	04°52.5N	114°53.1E	0.5
	B583	CBWN1			04°19.0N	115°31.3E	0.2
	B583	MAMOK			04°05.1N	115°47.2E	0.4
	DCT	TRK	116.60	TARAKAN	03°19.5N	117°33.7E	0.7
	A211	ARIRU			02°53.4N	119°10.2E	0.8
	A211	GARUT			02°37.7N	120°08.0E	0.8
	A211	DIANI			01°45.5N	123°20.9E	1.1
	A211	MWB	114.80	MANADO	01°19.4N	124°57.3E	1.2
	APT	WAMM		RATULANGI - MANADO	01°32.7N	124°55.5E	-0.1
641	APT	WAMM		RATULANGI - MANADO	01°32.7N	124°55.5E	-0.1
	DCT	MWB	114.80	MANADO	01°19.4N	124°57.3E	1.2
	W61	HALMO			01°09.5N	126°32.7E	1.4
	W61	FORMY			00°40.3N	128°23.6E	1.7
	W61	FATOL			00°29.0N	129°10.8E	1.8
	W61	FASAL			00°02.5S	131°21.6E	2.1
	W61	FILMO			00°47.2S	134°28.0E	2.8
	W61	BIK	112.50	BIAK	01°10.9S	136°05.2E	3.1
	B462	OSMON			03°24.5S	138°58.4E	3.9
	B462	KADAP			04°58.0S	141°00.0E	4.6
	B462	KAPPU			05°53.1S	142°12.6E	5.0
	B462	KIK	308.0	KIKORI	07°25.6S	144°15.0E	5.6
	B462	EMP			08°41.8S	146°05.8E	6.2
	B462	PY	117.00	PORT MORESBY	09°27.2S	147°12.9E	6.6
	APT	AYPY		JACKSONS	09°26.9S	147°13.2E	6.5
642	APT	AYPY		JACKSONS	09°26.9S	147°13.2E	6.5
	DCT	PY	117.00	PORT MORESBY	09°27.2S	147°12.9E	6.6

	B598	ESKIM			09°45.9S	145°54.3E	6.3
	B598	POSOX			10°13.5S	143°55.5E	6.0
	B598	HID	356.0	THURSDAY ISLAND	10°35.6S	142°17.5E	5.7
	B598	PEBTA			10°57.8S	140°10.5E	5.2
	B598	IDELU			11°35.8S	136°21.8E	4.5
	B598	IGOPO			11°56.7S	134°07.1E	4.1
	B598	UNTER			12°13.6S	132°15.2E	3.8
	B598	DN	112.60	DARWIN	12°25.4S	130°54.4E	3.5
	APT	YPDN		DARWIN INTL	12°24.9S	130°52.6E	3.9
643	APT	YPDN		DARWIN INTL	12°24.9S	130°52.6E	3.9
	DCT	DN	112.60	DARWIN	23°48.4S	133°54.1E	5.0
	A461	MONIC			13°37.7S	131°12.2E	3.8
	A461	BOYDI			17°00.7S	132°02.0E	4.1
	A461	DIGLA			18°47.7S	132°31.3E	4.3
	A461	AS	115.90	ALICE SPRINGS	21°18.3S	133°11.5E	4.8
	APT	YBAS		ALICE SPRINGS	23°47.6S	133°52.7E	5.1
644	APT	YBAS		ALICE SPRINGS	23°48.4S	133°54.1E	5.0
	DCT	AS	115.90	ALICE SPRINGS	23°47.6S	133°52.7E	5.1
	T11	PULOL			24°27.3S	136°45.7E	5.9
	T11	MITTS			24°39.0S	137°40.3E	6.2
	T11	NONET			25°20.4S	141°08.9E	7.3
	T11	VILOL			25°57.9S	144°45.8E	8.4
	T11	ROM	377.0	ROMA	26°32.7S	148°46.8E	9.4
	G326	WOODY			27°14.3S	152°24.3E	10.9
	G326	BN	113.20	BRISBANE	27°22.1S	153°08.3E	11.0
	APT	YBBN		BRISBANE INTL	27°23.0S	153°07.1E	11.0
645	APT	YBBN		BRISBANE INTL	27°23.0S	153°07.1E	11.0
	DCT	BN	113.20	BRISBANE	27°22.1S	153°08.3E	11.0
	H62	WIZZA			27°40.4S	153°02.9E	11.2
	H62	LAV	117.80	LARAVALE	28°05.4S	152°55.5E	11.0
	H62	APAGI			28°50.9S	152°35.1E	11.4
	H62	MSO	115.30	MOUNT SANDON	31°23.3S	151°24.6E	11.4
	H62	MEHAN			31°56.5S	151°09.8E	11.9
	H62	CORKY			32°30.9S	150°54.1E	12.0
	H39	BULGA			32°47.4S	150°57.3E	12.1
	H39	BOREE			33°14.2S	151°02.6E	12.3
	H39	SY	112.10	SYDNEY	33°56.6S	151°10.8E	12.6
	APT	YSSY		KINGSFORD SMITH INTL	33°56.8S	151°10.6E	12.8