

# Results, 1st IARU HF World Championship

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**W**hile Ted Turner's Goodwill Games—an off-year Olympics, perhaps—were going full throttle last summer, Amateur Radio had its own version of a world-class track meet—the first running of the IARU HF World Championship.

The HF World Championship is a slimmed-down version of the IARU Radiosport Championship, which had been an annual July event for the past nine years (itself having its genesis in the 1976 Bicentennial Celebration). The International Amateur Radio Union (IARU), which is the Amateur Radio equivalent of the United Nations, took some steps to streamline the event and increase the international flavor in 1986, first by the new name (which by definition no longer credits VHF activity), second by adjusting the contest period to 24 hours, and third, by providing a bonus-multiplier system for working IARU member-society HQ stations. These enhancements seemed to have worked, since activity and enthusiasm (and log entries—1397 this year vs 1297 last year!) increased significantly. Even with the abridged operating-manhours, scores were quite respectable, indeed. We don't know for sure how the Goodwill Games did, but we know that the IARU HF World Championship was a resounding success. Radiosporting,



The crew of OH0MD/OJ0 racked up over 1100 QSOs during the 1986 IARU HF World Championship. From left to right: OH2BAZ, K8MFO, OH0RJ, OH0NA, OH2BH, W6EUF and K8MN.

## Top W/VE Scores

IARU Headquarters Stations		Mixed		CW		Phone		Multioperator	
Call	Score	Call	Score	Call	Score	Call	Score	Call	Score
K3NA	534,016	N2IC/0	590,426	VE1NG	361,872	KM3T	807,396		
K9ZO	434,304	K1XA	536,263	N4UH	237,330	NR5M	752,400		
WB9JKI	381,546	K4VX/0 (KM9P,opr)	487,620	AD0O	198,740	N4VV	703,080		
AA4NC	329,564	N6TR	470,184	VE1CBF	156,364	WB8JBM	544,096		
AA4S	271,327	W5XZ	458,352	KC3EK	128,104	W8LT	440,610		
AC8Y	222,327	AAB5	422,940	N4MM	118,698	N8CXX	386,204		
KZ5D	192,894	KU6J	409,584	ND1X	97,344	K9SD	275,595		
		KU6J	409,584	N5ECT	95,546	WA3SPJ	244,866		
		N4BP	404,495	W1GD	77,325	KT5X	215,634		
		WZ4F/9	396,021	WA7VYJ	71,442	W8IMZ	179,962		
			385,000						

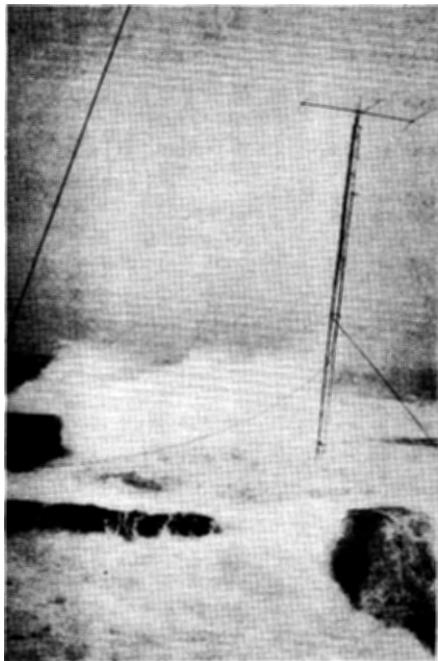
## Top World Scores

Mixed		CW		Phone		Multioperator	
Call	Score	Call	Score	Call	Score	Call	Score
OH0AM (OH6UM,opr)	985,782	RB5MF	796,671	4J4F	2,551,379		
	1,282,677	RB5GW	845,759	OH1AF (OH1EH,opr)	796,671	RL8PYL	2,186,688
		UA9SA	752,640			UZ2FWA	2,159,820
		CH8PF	658,770	ZP5JCY	544,530	LZ2KTS	2,046,240
		UA0QA/6	1,067,419	UL7CW	623,480	UB3IWA	1,606,143
		EK9AD (UA9CIU,opr)	1,011,381	UW3AA	606,080	UZ0AAX	1,577,996
		UA1DZ	966,910	HA0MM	584,784	DL8PC	403,208
		RL7GA	870,772	UA0SAU	574,188	PP2ZDD	335,736
		UA9YX	825,285	UA1ZX	479,160	RW9UR	314,817
		RB5FF	814,590	UB4EL	386,610	UA9YP	311,055
		IO2UIY	684,087			HA5NP	299,524
		OK3CSC	647,010				

by any name, is an avid, worldwide pursuit. DX entries numbered 1150 (plus a host of checklogs): Of those, 475 were CW only, 263 were phone only, 212 were mixed mode and an even 200 were multioperator, single transmitter. For W/VEs, 104 were CW only, 72 were phone only, 53 were mixed mode and 18 were multioperator, single transmitter, for an overall total of 247.

Although the name of the contest has changed, one feature has remained constant: the continued and total domination by LU8DQ (this year operating under the nom de plume of AZ8DQ) of the single-op category. Operating code only, Jorge has reigned supreme for each of the 10 years in the July event.

The number-one world phone-only entry was that of RB5MF, followed by OH1AF (OH1EH op), ZP5JCY and others. OH0AM (operated by OH6UM) took the top spot in the world mixed-mode category, followed closely by RB5IM, UA0QA/6 and EK9AD



One of the skyhooks used at OH0MD/OJ0 was located on the "DXCC Shelf." This shot was taken just minutes before the tower and beam were washed into the sea.

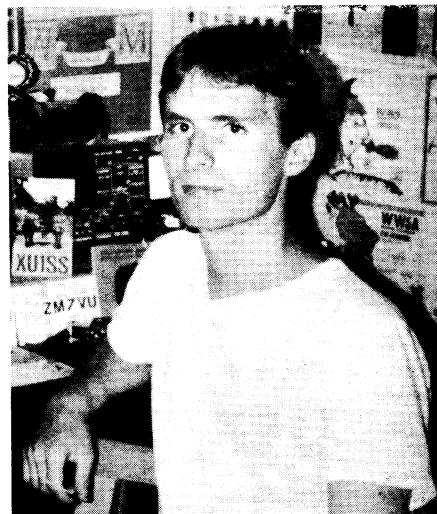
(UA9CIU, op), all of whom reached the megapoint range! The multioperator, single transmitter winner was 4J4F, leading the way with 2.5M points. In hot pursuit were RL8PYL (2.18M), UZ2FWA (2.15M) and LZ2KTS (2M), who was last year's winner in this category.

In the special IARU HQ station class, there were 16 entries, with five of them breaking the 1-megapoint barrier. Congratulations in particular to the GDR station, Y61HQ, whose 2.1M score was alone at the top of the pyramid, followed by YQ0A, OH7C, W1AW and HG6N, all with fine scores. It was great having so many of the society stations on the air, particularly on relatively short notice. Undoubtedly, more will participate in the 1987 event.

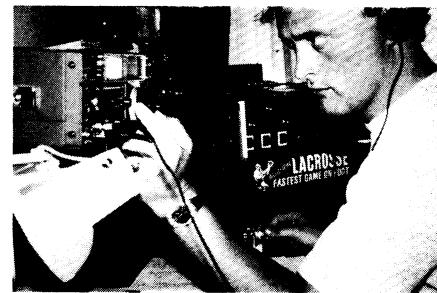
For W/VE single-ops, CW-only seemed to be the way to go. All of the top-ten CW-only finishers had higher scores than the number one phone-only competitor, and were higher than all but two of the mixed-mode entrants. N2IC/0 prevailed in the CW-only category by a margin of approximately 10 multipliers over the second-place finisher (A word to the wise: Don't forget to hunt down those crucial multipliers!), while VE1NG and K3NA, respectively, mastered the phone and mixed categories. The multioperator prize was claimed by KM3T, who managed to outlast NR5M by about 50k points.

At least on this side of the Atlantic, the HF Championship was essentially a two-band contest—20 meters during the day and 40 at night. Conditions on those two bands were excellent. Contacts made on the other bands were limited, sort of like going through the motions, which is totally understandable based on the time of year and the lackluster conditions at this point in the sunspot cycle. It does help, therefore, to have some kind of enhanced antenna system for 40 meters. Armed with a 2-element 40, it was possible to manage in the neighborhood of 400 CW contacts from the East Coast into Europe between 0000 and 0400Z. Without a 40-meter twirly, it's like being in a different contest. It's still a fun contest, nevertheless, but requires an adjustment in strategy.

Also, it was a bit disconcerting when the curtain came down at 1200 UTC Sunday, when band conditions and one's adrenalin flow were at their peak. However, the revised rules represent a compromise that benefits the entire international community. Overall, the IARU negotiators did a most commendable job in defining the parameters of this excellent operating event. International communication



HB9CSA managed 910 QSOs and just under 100 mulls for top honors in Switzerland. Fri plans to be very active in the 1987 event.



NE4L was the top CW-only scorer from Alabama.

goes to the heart of what Amateur Radio and the IARU HF World Championship are all about.

Don't miss the 1987 event; it promises to offer even better conditions and increased activity. The IARU HF World Championship is scheduled for July 11-12. Be there!

## FEEDBACK

Please refer to February 1986 *QST*, p 86, for the following correction. In the Southern Florida Section, Section leader was WB4BBH.

## Scores

Scores are listed by ITU zone and then by country within that zone. The line score (example—KL7Y 625,878-1460-109-A) indicates the call sign used, the total score, the number of valid contacts, the number of multipliers and the entry class. The entry class letters indicate: A—single operator, mixed mode; B—single operator, CW only; C—single operator, phone only; D—multioperator, single transmitter.



### ZONE 1

#### Alaska

KL7Y	625,878-1460-109-A
WL7E	287,860- 927- 74-B
KL7UR	106,268- 424- 62-B

### ZONE 2

#### Alaska

KL7PK	10,975- 101- 25-B
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#### Alberta

VE8DZ	71,288- 290- 67-A
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### ZONE 4

#### Quebec

VE2XL	2,982- 60- 14-C
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#### Ontario

VE3XN	102,784- 431- 64-A
VE3KP	114,456- 500- 57-B

### ZONE 5

#### Greenland

OX3SG	9,880- 80- 26-C
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### ZONE 6

#### W6

WE6G	11,160- 112- 30-A
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#### East Bay

K6CSL	7,987- 83- 31-B
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#### KI6EZ

KI6EZ	26,208- 204- 39-C
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### Los Angeles

#### NX6M

NX6M	7,291- 109- 23-A
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#### NM6L

NM6L	15,776- 128- 32-C
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#### KABALF (+W6MI)

KABALF (+W6MI)	186- 11- 6-D
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### Santa Barbara

#### WA6FGV

WA6FGV	95,403- 475- 59-A
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#### N6MA

N6MA	58,212- 291- 49-B
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#### KA6VRW

KA6VRW	45- 3- 3-C
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### Santa Clara Valley

#### AC8Y

AC8Y	222,327- 1013- 63-A
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#### N6NF

N6NF	120,428- 587- 68-A
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#### N6UW

N6UW	3,247- 83- 17-A
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#### WC8I

WC8I	47,647- 262- 53-B
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### San Diego

#### N6ND

N6ND	396,021- 1025- 101-B
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#### W6KUT (N6W,opr)

W6KUT (N6W,opr)	331,837- 917- 97-B
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W6UQF	103,380- 499- 60-B	Kansas	Maryland-District of Columbia	Wisconsin	Market Reef	
AA4M	33,435- 217- 45-B	KWGB	29,110- 260- 41-A	WZ4F/9	OH0MD/QJ8 (OH2s BAZ,BH,OH8s	
AA6EE	10,175- 119- 25-B	KB6U	9,296- 79- 28-C	KO9Q	NA,R,J,W6EU,F,K8s MFO,MN,ops)	
K6NA	6,426- 86- 27-B	Minnesota	K3NA	534,016-1106-128-A	268,092-1144- 66-D	
San Francisco		NK6L	30,616- 263- 43-C	W3GG	57,300- 406- 60-A	
KU6J	148,960- 536- 76-A	WA2HFII/0	10,472- 113- 28-C	W3HXI	40,300- 308- 50-A	
WB6SRM	3,781- 61- 19-A	Missouri	KW3VPL	N9C	38,465- 241- 49-A	
K6LRN	52,735- 257- 53-B	K4VX/0 (KM9P,opr)	KM3T (+KC8C,N8II)	N9S	51,984- 394- 36-B	
WA6URB/6	14,196- 137- 28-B	W8KKF/0	487,620-1489-105-B	WZ4F/9	137,122- 699- 74-A	
San Joaquin Valley		WA8BTU	31,198- 303- 38-C	KO9Q	57,300- 406- 60-A	
WC6U	15,318- 108- 37-B	K6LIR (KA8DOI,KB6K,ops)	KA3HIE	40,300- 308- 50-A		
KD6FW (+K1BN8)	82,040- 456- 56-D	6,615- 91- 21-D	W3PQE	38,465- 241- 49-A		
Sacramento Valley		Nebraska	KC3EK	128,104- 496- 67-C	WZ4F/9	51,984- 394- 36-B
KV6H	39,468- 236- 39-B	AK6G	30,616- 263- 43-C	WB4FTU	35,560- 183- 56-C	
K6SG	16,928- 159- 32-C	K6SW	10,472- 113- 28-C	KM3T (+KC8C,N8II)	807,396-1689-122-D	
W7		WB6SYV	20,088- 224- 31-B	W4	ZONE 9	
Arizona		ZONE 8	NE4L	162,412- 705- 76-B	Maritimes-Newfoundland	
NN7A	3,330- 60- 18-B	W1	Georgia	VE1ASJ	126,084- 786- 42-B	
Montana		Connecticut	W4GLS	25,388- 235- 44-A	VE1ING	361,872-1080- 84-C
KS7T	44,712- 310- 36-A	KB1XD	25,194- 275- 34-A	VE1CBF	156,364- 678- 62-C	
W7KZK	58,425- 336- 57-B	K1XA	20,088- 224- 31-B	W4	ZONE 10	
KW7I	2,716- 66- 14-C	KB9VT	3,040- 116- 10-B	Alabama	Mexico	
Nevada		W1BWS	190,350- 685- 81-B	NE4L	XE86OX	
WB7VVH	3,021- 43- 19-C	WB1ADR	151,956- 521- 81-B	185,814- 807- 74-C		
Oregon		W1VH	16,472- 186- 29-B	Georgia	XE2EBC	
N6TR	470,184-1105-104-B	N1DKO	13,080- 137- 24-B	W4GLS	25,388- 235- 44-A	
AD7T	22,173- 91- 57-B	ND1X	2,112- 74- 12-B	K4UEE	4,986- 81- 18-B	
K7DBV	20,416- 194- 32-B	K1EFL	97,344- 504- 48-C	K4JSB	24,250- 171- 50-C	
K57P	8,675- 74- 25-B	K4YVP	48,676- 274- 43-C	K4GKV	11,900- 102- 35-C	
KA7FEF	3,591- 59- 21-B	W1KKG	47,502- 275- 58-C	Kentucky	ZONE 11	
Utah		K5ZD/1	4,460- 113- 20-C	N4XN	Haiti	
WA7VYJ	71,442- 331- 54-C	K1VUT	45,201- 269- 57-A	74,200- 434- 53-B	Maritime-Newfoundland	
Washington		K1AR	385,000-1074- 88-B	AA4NC	126,084- 786- 42-B	
KT7G	37,674- 206- 46-A	K41DXW	11,204- 465- 72-B	AA4S	VE1ASJ	
WA7EGA	154,703- 805- 67-B	K41DM	61,152- 307- 56-B	21,327- 967- 83-A		
WTQWN	11,178- 90- 27-B	K41DM	60,450- 286- 50-B	N4AA	127,908- 585- 68-A	
WB7CLU	32,870- 202- 38-C	K41DM	42,736- 297- 34-B	N4ZC (WA8MAZ,opr)	SM8COP	
N7DKD	9,570- 101- 30-C	K1XM	1,093- 39- 11-B	W4GLS	12,250- 130- 50-C	
KE7C (+WB7OJV)	7,392- 50- 33-D	W1BET	1,595- 39- 11-B	K4UH	25,388- 235- 44-A	
W5		K1MZB	30,960- 198- 40-A	K4PD	59,450- 305- 58-B	
Arkansas		K1SA (+KB1U,KQ1V,KY1K,N1AFC,	K4RJ	237,330- 807- 90-C		
W5EIJ	2,888- 61- 14-B	W1OO,K3OPR)	K4RJ	62,272- 411- 56-C		
N5ECT	95,546- 678- 43-C	93,398- 445- 67-D	K4TJ	10,362- 126- 33-C		
Louisiana		New Hampshire	K4BLF	9,020- 227- 22-C		
KZ5D	192,894- 682- 78-A	K1VM	3,312- 70- 23-C	WD8BOQ	1,160- 32- 10-C	
NJ8Z/5	8,328- 115- 24-A	W4WW	703,080-1654-126-D	Kentucky	ZONE 12	
W5XZ	458,352-1120-108-B	K1DM	30,960- 198- 40-A	N4WW (+NX4N,K8LUZ4)	North Carolina	
Mississippi		K1DM	11,204- 465- 72-B	W4CE	329,564-1083- 94-A	
WA5OYU	90,584- 415- 67-A	K1DM	61,152- 307- 56-B	W4WKQ	22,656- 311- 32-C	
New Mexico		K1DM	60,450- 286- 50-B	KV4AM	1,573- 29- 13-C	
N5DVY	71,060- 453- 55-A	K1DM	42,736- 297- 34-B	N4WW	703,080-1654-126-D	
AA5B	422,940-1116-105-B	K1DM	1,093- 39- 11-B	Kentucky	ZONE 13	
K3L/5	46,289- 298- 41-B	K1DM	1,595- 39- 11-B	Northern Florida	Ecuador	
W6SX	36- 6- 3-B	K1DM	30,960- 198- 40-A	W4CE	174,300- 736- 75-B	
N5HH	80,788- 304- 48-C	K1DM	11,204- 465- 72-B	W4WKQ	22,656- 311- 32-C	
KT5X (+AG6S,N5EPKA,WSKH,	7,392- 50- 33-D	K1DM	61,152- 307- 56-B	KV4AM	1,573- 29- 13-C	
WA6OTU)	215,634- 743- 83-D	K1DM	60,450- 286- 50-B	N4WW	703,080-1654-126-D	
Northern Texas		K2	Kentucky	ZONE 14		
K5MR	40,986- 286- 46-A	Eastern New York	AA4DO	106,865- 503- 67-A		
WM5K	39,690- 313- 42-A	W2DW	N4Z	264,887-1070- 79-B		
KG5NW	266,256- 880- 86-B	K2S	N4R	49,358- 422- 37-B		
KA5W	220,884- 768- 79-B	K2S	NU4B	5,375- 93- 25-B		
W5PLN	35,120- 290- 40-C	K2T	K4JHT	33,793- 205- 47-C		
N5IM	27,800- 155- 40-C	K2T	Virginia	Paraguay		
K2SCU/5	3,080- 40- 20-C	K2T	K4PF	16,950- 131- 30-A		
Oklahoma		K2T	W4KD	148,616-1108- 52-A		
NW5H	44,842- 444- 34-C	K2T	N4MM	241,546- 770- 89-B		
KF5DA	33,615- 239- 45-C	K2T	W4D	53,265- 359- 53-B		
Southern Texas		K2T	W4D	N9NB	W4D	
N5IVF	73,461- 525- 47-A	K2T	W4D	39,960- 353- 40-B		
W5PWG	44,914- 427- 34-A	K2T	W4D	W4YNN	20,178- 120- 38-B	
NZ5V	24,696- 250- 36-A	K2T	W4D	W4PZV	31,863- 205- 43-C	
N5JJ	7,695- 151- 19-A	K2T	W4D	W4K4F	15,885- 131- 45-C	
W5NR	6,620- 100- 20-B	K2T	Kentucky	Venezuela		
WN4KKN	1,625- 39- 15-B	K2T	N4BP	148,616-1108- 52-A		
NR5M (+K2TNO,KE5V,KG5U,NG5U,	752,400-1831-120-D	K2T	W4D	241,546- 770- 89-B		
NM5M,NT5D)		K2T	W4D	W4D	W4D	
Wyoming		K2T	W4D	W4D	W4D	
K7MM	10,192- 100- 26-A	K2T	W4D	W4D	W4D	
KB7M	402- 25- 6-C	K2T	W4D	W4D	W4D	
Colorado		K2T	W4D	W4D	W4D	
W8ZV	6,438- 67- 29-A	K2T	W4D	W4D	W4D	
N2IC/0	590,426-1468-107-B	K2T	W4D	W4D	W4D	
AC6S	154,301- 865- 67-B	K2T	W4D	W4D	W4D	
N6FFZ	7,852- 100- 28-B	K2T	W4D	W4D	W4D	
AD8O	198,740- 813- 76-C	K2T	W4D	W4D	W4D	
W8BWJ	1,343- 25- 17-C	K2T	W4D	W4D	W4D	
K8VZ	840- 34- 10-C	K2T	W4D	W4D	W4D	
KOBH (+N8EKK,WABAU)	139,840- 674- 64-D	K2T	W4D	W4D	W4D	
Iowa		K2T	W4D	W4D	W4D	
KE8Y	26,280- 162- 36-B	K2T	W4D	W4D	W4D	
W8PPF	360- 16- 6-C	K2T	W4D	W4D	W4D	
Market Reef		K2T	W4D	W4D	W4D	
OH0MD/QJ8 (OH2s BAZ,BH,OH8s		K2T	W4D	W4D	W4D	
NA,R,J,W6EU,F,K8s MFO,MN,ops)		K2T	W4D	W4D	W4D	
268,092-1144- 66-D		K2T	W4D	W4D	W4D	
Denmark		K2T	W4D	W4D	W4D	
OZ7JZ	41,880- 285- 40-A	K2T	W4D	W4D	W4D	
OZ1APA	21,944- 118- 52-A	K2T	W4D	W4D	W4D	
OZ5KU	48,776- 237- 56-B	K2T	W4D	W4D	W4D	
OZ5PA	31,080- 138- 70-B	K2T	W4D	W4D	W4D	
OZ4DZ	6,643- 145- 22-B	K2T	W4D	W4D	W4D	
OZ1DX	4,185- 146- 9-B	K2T	W4D	W4D	W4D	
OZ1AXG	10,999- 200- 17-C	K2T	W4D	W4D	W4D	
OZ1DY/P	5,076- 90- 5-C	K2T	W4D	W4D	W4D	
Sweden		K2T	W4D	W4D	W4D	
SM5JBM	303,110-1058- 85-B	K2T	W4D	W4D	W4D	
SM5BX	49,464- 236- 54-B	K2T	W4D	W4D	W4D	
SL8FRO (SM5AHK,opr)	17,168- 160- 29-B	K2T	W4D	W4D	W4D	
SM8COP	12,243- 148- 21-B	K2T	W4D	W4D	W4D	
SM1BDA	6,648- 65- 24-B	K2T	W4D	W4D	W4D	
SM7LAZ	4,356- 65- 10-B	K2T	W4D	W4D	W4D	
SM8KV	2,470- 65- 10-B	K2T	W4D	W4D	W4D	
SM8BDS	2,205- 45- 15-B	K2T	W4D	W4D	W4D	
SM3RAB	1,098- 45- 9-B	K2T	W4D	W4D	W4D	
SM5IWC	58,892- 424- 46-C	K2T	W4D	W4D	W4D	
SM7CWV	2,596- 70- 11-C	K2T	W4D	W4D	W4D	
Zone 19		K2T	W4D	W4D	W4D	
European Russian RSFSR		K2T	W4D	W4D	W4D	
UA1DZ	966,910-2046-133-A	K2T	W4D	W4D	W4D	
RA1NA	44,626- 264- 57-A	K2T	W4D	W4D	W4D	
UA1ZX	479,160-1418- 88-B	K2T	W4D	W4D	W4D	
UA1ZGD	100,827- 599- 51-B	K2T	W4D	W4D	W4D	
UA1OAM	98,800- 482- 58-B	K2T	W4D	W4D	W4D	
UW1ZA	51,414- 369- 41-B	K2T	W4D	W4D	W4D	
UA1OB	35,217- 274- 39-B	K2T	W4D	W4D	W4D	
UA1CFF	17,425- 223- 25-B	K2T	W4D	W4D	W4D	
UA1NAV	7,364- 178- 14-B	K2T	W4D	W4D	W4D	
RA1AA	243,144- 817- 85-C	K2T	W4D	W4D	W4D	
UW1BM	32,172- 244- 42-C	K2T	W4D	W4D	W4D	
EK1NBR	3,256- 82- 11-C	K2T	W4D	W4D	W4D	
UZ1AWT (RA1CA,UA1AL,ZLARF,opr)	151,794-1330-109-D	K2T	W4D	W4D	W4D	
UZ1NWA (+UA9KO)	70,312- 340- 47-D	K2T	W4D	W4D	W4D	
Zone 20		K2T	W4D	W4D	W4D	
Asiatic RSFSR		K2T	W4D	W4D	W4D	
UA9JR	562,700-1274-100-A	K2T	W4D	W4D	W4D	
UA9BCK	127,134- 861- 42-B	K2T	W4D	W4D	W4D	
UA9BDW	32,828- 260- 29-B	K2T	W4D	W4D	W4D	
Zone 21		K2T	W4D	W4D	W4D	
Asiatic RSFSR		K2T	W4D	W4D	W4D	
UA9BEO	70,560- 376- 42-B	K2T	W4D	W4D	W4D	
UA9BSZ	75- 5- 5-B	K2T	W4D	W4D	W4D	
Zone 23		K2T	W4D	W4D	W4D	
Asiatic RSFSR		K2T	W4D	W4D	W4D	
UA9DL	268,309- 867- 71-B	K2T	W4D	W4D	W4D	
UA9QF	168,840- 585- 70-C	K2T	W4D	W4D	W4D	
UZ9QWT (3 ops)	161,101- 793- 61-D	K2T	W4D	W4D	W4D	
UZ8QWE (UA8 OG,QJ,868-107,ops)	130,104- 569- 52-D	K2T	W4D	W4D	W4D	
Zone 22		K2T	W4D	W4D	W4D	
Asiatic RSFSR		K2T	W4D	W4D	W4D	
UA9CZ	205,200- 642- 72-D	K2T	W4D	W4D	W4D	
UZ9YWI (RA9JD,UA9JF,JE,opr)	151,165- 716- 49-D	K2T	W4D	W4D	W4D	
Zone 24		K2T	W4D	W4D	W4D	
Asiatic RSFSR		K2T	W4D	W4D	W4D	
UA9QY	6,510- 63- 30-B	K2T	W4D	W4D	W4D	
Zone 26		K2T	W4D	W4D	W4D	
Asiatic RSFSR		K2T	W4D	W4D	W4D	
UA9KA	19,275- 192- 25-A	K2T	W4D	W4D	W4D	
UA9KBV	43,792- 292- 34-B	K2T	W4D	W4D	W4D	
Zone 27		K2T	W4D	W4D	W4D	
Andorra		K2T	W4D	W4D	W4D	
C31LDL (C31s LFM,LK,ON,ops)	161,101- 793- 61-D	K2T	W4D	W4D	W4D</	

F9BB	402- 15- 6-B	HG5A (HA5s FM,GF,LN,MK,RY,SU, UA,WE,ops)	OL9CTG	1,134- 69- 9-B	Y51TG	23,552- 170- 46-A	Y09YE	12,460- 255- 20-B		
F9WE	63,312- 400- 48-C	1,285,550-2164-175-D	OK1DWJ	1,080- 54- 10-B	Y21TLA	20,340- 193- 36-A	Y04DCF	10,640- 253- 16-B		
FE8DRP	12,306- 160- 21-C	HG9R (HA9s PP,PV,RB,RP,RU,RX, ops)	OK4BOR	930- 57- 10-B	Y48YN	16,570- 205- 26-A	Y05NU	7,750- 157- 31-B		
F6VB	12,025- 179- 25-C	1,042,138-2288-142-D	OK5MVT/P	784- 36- 7-B	Y42YG	15,542- 182- 38-A	Y05ALH	7,518- 103- 21-B		
F6FHA	7,896- 111- 22-C	H55KDB (HA5s AIY,KQ,MY,OL,ops)	OK1DZD	616- 26- 7-B	Y46WA	13,528- 123- 38-A	Y03BWK	6,952- 80- 22-B		
FD1LMG	1,859- 43- 13-C	673,900-1788-115-D	OK3CXS	230- 38- 5-B	Y26JD	12,788- 239- 23-A	Y03BFJ/5	3,910- 81- 17-B		
<b>England</b>										
G3SJK	149,550- 614- 75-A	HG1Z (HA1s DRD,RS,RT,XR,XY,ZE, ops)	OK2PKN	212- 31- 4-B	Y35WF	12,412- 161- 29-A	Y05QCI	3,096- 47- 16-B		
G3AEV	131,108- 566- 73-A	HG6V (6 ops)	OK3CPY	195- 24- 5-B	Y32QD	8,991- 148- 27-A	Y06AW	2,651- 69- 11-B		
G3XTT	51,260- 270- 55-A	493,218-1592-106-D	OK1DRO	60- 20- 3-B	Y64ZF	8,866- 140- 22-A	Y06HQ	2,628- 74- 9-B		
G4ZFE	14,544- 254- 18-A	HG1S (6 ops)	OK2BQL	85,392- 374- 72-C	Y27AL/A	6,369- 85- 33-A	Y06MK	1,872- 80- 12-B		
G3TXF	287,023- 896- 97-B	406,080-1291- 90-D	OK2KNP	35,598- 343- 34-C	Y38XL	4,550- 57- 26-A	Y02CGU	1,800- 80- 10-B		
G4DRS	131,897-1031- 41-B	H55KFL (6 ops)	OK2HI	22,506- 272- 33-C	Y38SH	4,256- 86- 14-A	Y09HG	1,043- 65- 7-B		
G3ESF	107,008- 503- 64-B	370,458-1174- 99-D	OK2BII	21,648- 172- 44-C	Y59ZF	1,815- 39- 15-A	Y04CLC	812- 42- 7-B		
G3EOW	55,713- 383- 49-B	H3A3KNA (HA3s FTs NS,NU,OU,ops)	OK1CRH	16,962- 182- 33-C	Y25PE	30- 6- 3-A	Y08KGH	270- 25- 6-B		
G3/KB4GID	52,668- 302- 57-B	316,834-1134- 98-D	OK2PCL	11,400- 123- 24-C	Y31MO	256,672-1043- 77-B	Y06BTY	51- 17- 3-B		
GB6AR	260,988- 826- 91-C	HA0KLC (3 ops)	OK2MAJ	10,010- 169- 22-C	Y47VM	239,436- 795- 81-B	Y02AOB	90,650- 494- 70-C		
G4WZA	81,315- 409- 65-C	173,054- 650- 94-D	OK2BXA	5,516- 120- 14-C	Y51ZE	186,138- 762- 81-B	Y09DIA	38,001- 241- 53-C		
G3NT	14,511- 214- 21-C	H3A3KHC (+ ops)	OK2BSQ	3,838- 64- 5-C	Y25PF/A	140,632- 739- 72-B	Y02BEH	22,720- 285- 24-C		
G3WKS/P (G4s KIU, MXL, OTU, UPI, G8ZX/C,ops)	57,255- 414- 55-D	OK3KAG (+ ops)	OK2BII	2,710- 105- 10-C	Y25TG	103,600- 499- 74-B	Y09CEB	20,396- 311- 21-C		
G8OI (G4s IEB, XOM, YBT, G6VAT, G8AGH,ops)	93,940- 509- 61-D	707,397-1758-141-D	OK2OSN (+ ops)	OK2RAB	63,988- 307- 68-B	Y05BVG	14,400- 132- 32-C			
G8AOJ/A (+ G8s CMK, ECS, G1MXL)	62,434- 531- 38-D	HA6KNX (4 ops)	OK2PCL	273,408- 868- 96-D	Y27NM/A	23,750- 167- 50-B	Y09KPM	5,856- 67- 24-C		
G8AOJ/A (20,524- 501- 14-D)	32,040- 322- 40-D	OK2RAB (OK2PE, PDM,ops)	OK2RAB	51,191- 227- 71-B	Y21DG/A	1,196- 228- 26-C	Y02ASJ	13,048- 228- 26-C		
<b>Switzerland</b>										
GM8SQ	3,780- 57- 20-A	HB9QA	973- 45- 7-A	OK1OR	154,700- 693- 65-D	Y24J	13,770- 200- 27-B	Y06FL	4,950- 93- 22-C	
GM4ELV	22,678- 301- 29-C	HB9CSA	279,104- 910- 98-B	OK1ORA (OK1s AYD, -22310-23662, ops)	Y24SH/A	12,996- 158- 36-B	Y03DCO	3,450- 50- 23-C		
GM4WEW	14,352- 169- 23-C	HB9DX	32,214- 325- 42-B	OK3RMB (+ ops)	Y23CM	12,716- 102- 34-B	Y02CBF	2,928- 108- 16-C		
<b>Luxembourg</b>										
LB1JP	7,885- 167- 11-B	HB9AA	62,350- 310- 50-C	OK2KPS (+ ops)	Y21EA	12,224- 152- 32-B	Y03YB	2,592- 54- 16-C		
LB1EA	142,044- 593- 76-C	IO2UIY	684,087-1706-129-A	OK2OSU (+ ops)	Y22PM	11,320- 218- 20-B	Y08HP	2,100- 51- 12-C		
LB2QR	37,510- 384- 31-C	IK8KHP	67,275- 381- 69-A	OK2KPS	9,016- 102- 23-B	Y05BXE	2,026- 76- 14-C			
LB1AW	5,895- 131- 15-C	IK8CGO	32,716- 268- 42-A	OK2RAB	21,420- 212- 34-B	Y06CUF	1,456- 35- 16-C			
<b>Belgium</b>										
ON4AWK	75,166- 396- 59-C	IK6GASR	25,026- 200- 43-B	OK3KSQ (+ ops)	Y23WO	7,936- 86- 31-B	Y06CRO	128- 24- 4-C		
ON6WN	54,702- 341- 54-C	IV2AV	231,920- 901- 80-C	SP3BYZ	151,416-1361-116-D	Y31XN	7,920- 92- 33-B	Y05AXB	66- 13- 3-C	
ON5KY	43,648- 201- 64-C	IBBYG	181,424- 806- 92-C	SP3PL	57,260- 313- 71-A	Y37RB	6,463- 105- 23-B	Y06KAL (Y02CJX,Y06s BZ,B,E,V,EX, ops)	176,064- 660- 79-D	
ON6CR	19,320- 155- 40-C	IK2KYM	179,740- 679- 76-C	SP6BFK	66,906- 375- 63-A	Y62OH	5,522- 120- 22-B	Y05KDW (Y05s AXM,BRZ,BYV,ops)	54,648- 346- 66-D	
ON4GO (ON5s AV,ION6s AH, MH, QR,ops)	256,084- 988- 73-D	IK6HRB	65,000- 432- 52-C	SP7NJX	50,787- 338- 57-A	Y25PA	5,160- 152- 12-B	Y06KBM (Y06s AHP,DDF,ops)	26,884- 224- 47-D	
<b>Netherlands</b>										
PA3AIK	32,331- 257- 39-A	IS0OMH	40,443- 545- 39-B	OK3KSQ (+ ops)	Y31NJ	4,242- 72- 21-B	Y06KKK (Y06s QCO,UF,ops)	832- 56- 8-D		
PA2NUN	18,964- 114- 44-A	IK0EIE	16,523- 253- 31-C	SP4EAK	2,016- 52- 18-A	Y24J	13,770- 200- 27-B	Y03LW	195,534- 776- 71-C	
PA8INA	78,012- 385- 66-B	IK2FDV	5,040- 109- 16-C	SP6HEK	79,722- 548- 43-B	Y31XN	27,269- 234- 37-A	YU1LM	27,269- 234- 37-A	
PA6VHS	61,533- 347- 53-B	IV3BLQ/IL3 (+ IV3XLS)	13,205- 253- 33-B	SP5JTR	75,518- 354- 61-B	Y24J	23,958- 1089- 22-A	YU3XJ	23,958- 1089- 22-A	
PA3CWL	44,856- 263- 56-B	PA3BLU	26,136- 163- 44-B	SP9FER	70,070- 334- 55-B	Y24PM	12,224- 143- 41-C	YU7SF	114,987- 492- 77-B	
PA3BNT	17,571- 116- 47-B	PA3BNT	375,840-1174- 90-D	SP9ADY	61,050- 340- 50-B	Y25ML	10,170- 124- 41-C	YU4EJC	103,785- 638- 55-B	
PA8LKL	2,625- 61- 15-B	SP4PAZ	30,447- 218- 51-C	SP9ADY	14,688- 156- 36-A	Y65ZF	8,080- 151- 12-B	YU7KW	26,600- 444- 25-B	
PA3EJR	63,394- 358- 58-C	PA8QX	42,439- 243- 31-C	SP4EAK	55,029- 411- 39-B	Y26YM	7,920- 92- 33-B	YU2AKL	19,920- 281- 30-B	
PA8DUO	4,524- 134- 13-C	PA8DUO	5,454- 134- 13-C	SP2GUB	52,065- 204- 45-B	Y32ZB	6,463- 105- 23-B	YU7MGU	17,175- 195- 25-B	
PA3COA	4,410- 97- 15-C	PA3COA	357,175-1158- 91-A	SP3HC	79,722- 548- 43-B	Y38WE	5,100- 212- 24-C	YU3AM	8,364- 167- 17-B	
PA8BAGS	1,215- 47- 9-C	PA8BAGS	74,580- 583- 44-D	SP2BMX	80,260- 313- 71-A	Y42PM	5,040- 20- 9-C	YU3TW	6,368- 117- 16-B	
PA8KHS (PA3DQW,PE1LBX)	375,840-1174- 90-D	PA8KHS	101,304- 750- 42-B	SP3MY	4,634- 66- 14-B	Y44WA	2,899- 105- 13-C	YU3HR	195,534- 776- 71-C	
<b>ZONE 28</b>										
<b>Federal Republic of Germany</b>										
DL6RAI	358,668-1012-123-A	LB2KHB (LB2RM,opr)	LB2KPT	64,413- 441- 51-A	Y24J	2,899- 105- 13-C	YU1EXY (YU1s LA,WR,ops)	934,740-1955-135-D		
DL7YS	54- 12- 3-A	LB2ZL	9,740- 255- 26-A	SP6HEK	5,357- 75- 15-B	Y26YM	2,717- 53- 19-C	YT3L (YU3s BC,OH,ops)	566,091-1688- 93-D	
DL7MAE	333,986-1012-108-B	LB2ZL	101,304- 750- 42-B	SP5JTR	1,704- 32- 12-B	Y32ZF	1,650- 55- 11-C	YT2B (YU2s NK,SD,RS801,RS805, ops)	398,820-1317-102-D	
DL7MAH	222,042-1095- 65-B	LB2ZL	20,628- 220- 27-B	SP9DH	1,520- 36- 19-B	Y38WE	504- 20- 9-C	YU4IEF (+ YU2KI)	283,536-1046- 88-D	
DL1TH	53,926- 300- 59-B	LB2ZK	17,425- 231- 25-B	SP4FGF	729- 25- 9-B	Y41ZF (+ YU61F)	704,704-1779-121-D	<b>Yugoslavia</b>		
DL1ZQ	24,309- 250- 37-B	LB2ZK	6,540- 266- 13-B	SP6CYV	50,440- 269- 65-C	Y33ZL (+ Y26L1, Y33VL)	527,079-1410-133-D	YU1LM	27,269- 234- 37-A	
DK7QB	6,160- 210- 11-B	LB2ZL	5,124- 120- 21-B	SP9BMQ	15,425- 201- 25-C	Y63ZI (+ Y25K1, Y26K1, K1, UI)	147,181- 195- 25-B	YU3XJ	23,958- 1089- 22-A	
DF5WN	4,994- 92- 22-B	LB2ZKTS (LB2s CC,DF,HE,PO,UA, -E41,-E72,ops)	LB2ZL	12,210- 107- 37-C	Y47V18-1553-	47,417,718-1553- 97-D	YU7SF	114,987- 492- 77-B		
DL4BBO	1,341- 43- 9-B	LB2ZL	4,184- 318- 17-B	SP9ADY	7,266- 145- 21-C	Y62ZI/P (Y23F1, Y62s WI, Y1,ops)	325,583-1068-103-D	YU4EJC	103,785- 638- 55-B	
DL3ME	272- 29- 4-B	LB2ZL	2,046,240-2796-196-D	SP9PAZ	1,210- 374- 97-D	Y54ZA (Y25JA, Y26TA, VA,ops)	325,583-1068-103-D	YU4EFC	56,994- 378- 59-A	
DL8PC	403,208-1100-104-C	LB2ZL	175,392- 721- 87-D	SP9AVZ	10,800- 178- 20-C	Y54ZL (Y41RM, Y54QL,ops)	319,960-1214- 95-D	YU4EFC	27,432- 408- 24-A	
DL5ZBA	21,684- 223- 32-C	LB2ZL	175,392- 721- 87-D	SP9MRO	3,026- 45- 17-C	Y43ZD (Y21ID, Y25ID, Y43WD,ops)	283,101-1064- 91-D	YU2FA	7,575- 69- 25-B	
DJ4FU	10,991- 151- 29-C	LB2ZL	140,752- 575- 76-D	SP9FTJ	1,768- 28- 17-C	Y66EST (Y25IE, Y32s KE, ZE,ops)	323,552-1194- 72-D	UZ2FWA (UA2s FF, FJ, FM, FX, FZ, FGA, RA2FA,ops)	2,159,820-3189-195-D	
DF3IS	3,864- 94- 12-C	LB2ZL	49,500- 308- 55-D	SP7FQJ	808- 39- 8-C	Y33ZB (+ Y33TB)	101,864- 579- 68-D	<b>Malta</b>		
DL2RG	574- 30- 7-C	LB2KOT (2 ops)	47,760- 432- 40-D	SP1NQO	244- 33- 4-C	Y44ZD (+ Y44TN)	130,560- 799- 68-D	YU3DX	48,914- 455- 37-C	
<b>Hungary</b>										
HA8UB	435,645-1211-105-A	OK1AWH	89,124- 355- 84-B	SP3HD	210- 24- 5-C	Y25ML	12,716- 102- 34-B	YU4EFC	56,994- 378- 59-A	
HA7UJ	226,548- 929- 87-A	OK1AWH	74,710- 412- 82-B	SP2ZJF	287,370- 971- 93-D	Y62OBQ	43,150- 353- 50-A	YU2FA	27,432- 408- 24-A	
HA9RG	205,221- 982- 67-A	OK1AJN	142,575- 680- 75-A	SP9PDF	97,020- 586- 60-A	Y05AAAT	341,040-1020- 98-A	YU2FA	7,575- 69- 25-B	
HA5HH	58,272- 408- 48-A	OK1KZ	83,544- 527- 59-A	SP5PBE (SP5s ELA, LCT,ops)	98,636- 539- 76-D	Y47ZL	238,359- 773- 93-A	YU2FA	7,575- 69- 25-B	
HA9RT	48,412- 314- 52-A	OK1CK	70,366- 412- 64-A	SP3PLD (SP3NYS, SP-0079-ZG,ops)	51,156- 345- 58-D	Y42NDV	193,952- 818- 88-A	YU2FA	7,575- 69- 25-B	
HA9TA	33,056- 326- 32-A	OK1AGA	61,440- 346- 60-A	SP5PEN/4 (2 ops)	Y33UJ	66,843- 416- 63-A	YU2FW	147,700- 670- 70-A	YU2FA	7,575- 69- 25-B
HA1UB	29,400- 297- 28-A	OK1CKT	26,544- 217- 42-B	SP1PBW (+ ops)	66,112- 386- 64-A	Y02DFA	5,008- 161- 16-A	YU2FA	7,575- 69- 25-B</	

UW3TU	72,354- 355- 62-B	UZ3AXH (3 oprs)	111,910- 499- 62-D	UB5EDU	208,824- 805- 76-C	UP2BI	6,486- 110- 23-C	Kazakhstan	
UA6BPU	71,295- 521- 49-B	UZ6HXK (UA6s-168-1736-168-1834, oprs)	89,440- 573- 52-D	RB5HT	145,488- 554- 82-C	UP2BQ	116- 19- 4-C	UL7CW	623,480- 1232-110-B
UA1AFM	68,324- 401- 62-B	UZ3XWM (UA3s XEC,XEQ,XEU,oprs)	87,269- 615- 49-D	UB4JO	129,888- 576- 72-C	UP1BWU (UP2s BIJ,BKW,BMW,BO, -038-892,-038-1852,oprs)	UL7EDR	65,920- 389- 40-B	
UA1NA	62,244- 466- 57-B	UZ3EXA (UA3s EHV,EIW,EZ,oprs)	66,645- 515- 45-D	RB5EG	61,930- 390- 55-C	-618,205-1558-119-D	UL7LBI	43,560- 311- 33-B	
RZ3AW	61,752- 330- 62-B	UZ3RZZ (UW3RR,UA3s -157-40, -157-69,-157-78,oprs)	UT5RY	51,180- 294- 60-C	UP1BXB (RP2s BHY,BIT, UP2-038-1289,oprs)	UL7LFL	40,432- 325- 28-B		
RW3AL	60,720- 251- 66-B	UZ3EXA (UA3s EHV,EIW,EZ,oprs)	67,687- 359- 43-C	RB5IQ	47,687- 359- 43-C	31,752- 435- 28-D	RL7CT	8,119- 98- 23-B	
UA4ALI	60,420- 385- 57-B	UZ3DZD (RA3DSY,UA3s DTQ, -142-916,oprs)	63,986- 458- 42-D	UT4UXW (UB5XCW,UT4UZ,oprs)	725,160-1768-120-D	UP1BZM (UP2s-038-1744,-038-1751, oprs)	UL7TT	553- 17- 7-C	
UA3WW	42,420- 308- 43-B	UZ3PWJ (UA3s PL5,PNN,PNO,oprs)	62,040- 372- 56-D	UB4WZA (UB5x WCA,-068-453,oprs)	598,864-1880-112-D	RL8PYL (UL7PAE,PAZ,PCZ,RL7s PHO,PHL,PKF,RL8s PA,PY,oprs)	RL8PYL	2,186,688-2698-192-D	
UA4CN	41,800- 282- 50-B	UZ3QWM (RW3QA,UA3s QLJ, -121-3184,oprs)	60,019- 425- 47-D	UB4QWW (RB5QD,UB4QG, UB5-064-866,oprs)	513,042-1415-111-D	UL8LWO (UL7LFB,RL7LFA,oprs)	UL8LWO	1,342,009-2375-127-D	
UA4LX	41,262- 271- 46-B	UZ3DXF (RA3DLA,UA3-142-242, UA4-133-1268,oprs)	51,899- 312- 57-D	UB4JWP (+ oprs)	417,894-1274-102-D	52,832- 555- 32-D			
UA3XXB	41,250- 244- 55-B	UZ3QWQ (RW3QA,UA3s QLJ, -121-3184,oprs)	51,899- 312- 57-D	UB4HWB (+ oprs)	264,508- 983- 89-D	UL8PW (RL7PH,UL7s PEQ, -023-442,oprs)	UL8PW	4,642- 317- 34-D	
UA3ART	40,474- 311- 49-B	UZ3MWL (UA3s MDL,-158-532, -168-551,oprs)	49,385- 572- 57-D	UB4FWC (UB5s BZ,BFW,oprs)	251,655- 876- 95-D	44,642- 317- 34-D			
RA3SB	39,775- 319- 43-B	UZ3MNL (UA3s MDL,-158-532, -168-551,oprs)	49,385- 572- 57-D	UB4WWA (R55WW,UB5s -068-517, -068-844,oprs)	202,048- 891- 82-D	Kirghizia			
RA3ACD	36,924- 216- 51-B	UZ3DXF (RA3DLA,UA3-142-242, UA4-133-1268,oprs)	51,899- 312- 57-D	UB4QWA (R55WW,UB5s GDW,-037-116, -037-221,oprs)	176,820- 887- 70-D	RZ8MS	455- 25- 7-B		
RA3GJ	34,755- 300- 35-B	UZ3QWQ (RW3QA,UA3s QLJ, -121-3184,oprs)	51,899- 312- 57-D	UB4IXZ (3 oprs)	917,202-1899-143-D	UM8MMO	443,798- 898-118-C		
RA3VX	33,559- 310- 37-B	UZ3MNL (UA3s MDL,-158-532, -168-551,oprs)	51,899- 312- 57-D	UB4LWY (+ oprs)	183,050- 678- 75-D	UM8NBG	34,888- 304- 28-C		
UA3GEC	32,896- 321- 32-B	UZ3DXF (RA3DLA,UA3-142-242, UA4-133-1268,oprs)	51,899- 312- 57-D	UB4MZL (UB4MAH,UB5MVX,oprs)	130,620- 639- 70-D	ZONE 31			
UA4CHK	32,637- 295- 43-B	UZ3QWQ (RW3QA,UA3s QLJ, -121-3184,oprs)	51,899- 312- 57-D	UB4IVW (+ oprs)	99,008- 474- 68-D	Asiatic RSFSR			
UA3TFZ	27,528- 255- 37-B	UZ3MNL (UA3s MDL,-158-532, -168-551,oprs)	51,899- 312- 57-D	UB4LWY (+ oprs)	52,080- 366- 42-C	UA9YX	825,285-1658-111-A		
UA4YZ	27,280- 262- 31-B	UZ3DXF (RA3DLA,UA3-142-242, UA4-133-1268,oprs)	51,899- 312- 57-D	UB4SWK (+ oprs)	29,682- 330- 34-D	RW8UA	262,080- 792- 78-A		
UA4FEU	27,222- 268- 39-B	UZ3QWQ (RW3QA,UA3s QLJ, -121-3184,oprs)	51,899- 312- 57-D	UB4FWZ (RA4s FEE,FET, UA4-148-464,oprs)	78,602- 454- 51-D	RA9YG	245,861- 734- 77-B		
UA3GFG	26,379- 348- 27-B	UZ3MNL (UA3s MDL,-158-532, -168-551,oprs)	51,899- 312- 57-D	UB4IVW (+ oprs)	68,192- 453- 48-D	UA9ZAA	48,488- 488- 38-B		
RA4HW	24,076- 277- 26-B	UZ3TWL (3 oprs)	51,899- 312- 57-D	UB4EYB (2 oprs)	26,480- 256- 40-D	UA9URF	47,223- 328- 33-B		
UV6AY	24,012- 252- 29-B	UZ3TWL (3 oprs)	51,899- 312- 57-D	UB4EYB (2 oprs)	52,080- 366- 42-C	RW9UA	33,263- 347- 31-B		
UA4YCK	22,886- 277- 32-B	UZ6AXF (RA6AIN,UA6s AOC,ARQ, oprs)	51,899- 312- 57-D	UB4QXU (3 oprs)	20,460- 276- 31-D	RA9YP	311,058- 813- 89-C		
UA3ECQ	21,774- 263- 38-B	UZ6AXF (RA6AIN,UA6s AOC,ARQ, oprs)	51,899- 312- 57-D	UB4WWU (UB5WS,UB5-068-390, oprs)	10,440- 273- 15-D	UZ9HWW (+ oprs)	448,896-1231- 84-D		
UA1CED	19,616- 282- 32-B	Ukraine	51,899- 312- 57-D	UB4QXD (3 oprs)	6,888- 98- 21-D	ZONE 30			
UA3LAR	19,360- 114- 55-B	RA5IM	1,098,377-1698-173-A	UB4QXU (3 oprs)	9,177,202-1899-143-D	European RSFSR			
UA6HCE	18,096- 222- 26-B	RA5IF	814,590-1898-135-A	UB4LWY (+ oprs)	197,120- 768- 88-D	RA1GXZ (2 oprs)	197,120- 768- 88-D		
RW3AX	17,402- 349- 22-B	RA5IF	455,750-1136-125-A	UB4MZL (UB4MAH,UB5MVX,oprs)	132,930- 928- 95-B	UQ1GXJ (UQ2s -037-436,-037-462, oprs)	117,200- 527- 54-D		
UA3XAZ	15,630- 181- 30-B	RA5MD	341,288- 903-117-A	UB4IVW (+ oprs)	68,192- 453- 48-D	Kazakhstan			
UA3XCC	13,311- 121- 29-B	RT4UF	225,308-1069- 79-A	UB4EYB (2 oprs)	26,480- 256- 40-D	RL7GA	870,772- 454- 76-A		
UA3TU	11,424- 54- 51-B	RA5WD	73,131- 417- 57-A	UB4SWK (+ oprs)	29,682- 330- 34-D	UL7JW	352,160-1010- 80-B		
RA3DNC	11,154- 177- 26-B	UT4UX	164,238- 731- 76-A	UB4FWZ (RA4s FEE,FET, UA4-148-464,oprs)	32,208- 294- 33-B	UL7DA	37,856- 254- 32-C		
RA3DUU	8,160- 157- 24-B	UB5MLP	158,560- 570- 94-A	UB4QXU (3 oprs)	31,746- 281- 33-B	UL8GWW (RL7GN,UL7s GAP,-01899, oprs)	215,634- 797- 83-D		
UA1WAK	7,182- 193- 18-B	RB5WW	142,384- 528- 88-A	UB4WWU (UB5WS,UB5-068-390, oprs)	10,440- 273- 15-D	UZ4PXW (RA4PJ,UA4s PJP, -094-541,oprs)	94,556- 592- 44-D		
UA3MED	6,880- 163- 20-B	RT5UY	98,072- 345- 82-A	UB4QXD (3 oprs)	6,888- 98- 21-D	UZ4WWO (UA4s -095-682,-095-685, oprs)	94,556- 592- 44-D		
UA4LAF	6,162- 171- 13-B	UT5UCR	81,396- 359- 76-A	UB4QXU (3 oprs)	35,008- 352- 32-D	UZ9YXO (UA9s YH,YJP, -099-616, oprs)	202,578- 848- 57-D		
UA4CGR	3,780- 62- 21-B	UB5WDD	73,131- 417- 57-A	UB4LWY (+ oprs)	35,008- 352- 32-D	UZ9YXO (UA9s YH,YJP, -099-616, oprs)	117,200- 527- 54-D		
UA1WEJ	3,773- 241- 11-B	UB5IIA	70,028- 304- 82-A	UB4SWK (+ oprs)	29,682- 330- 34-D	Kazakhstan			
UA3MBE	2,873- 79- 17-B	UB5IA	66,708- 295- 88-A	UB4FWZ (RA4s FEE,FET, UA4-148-464,oprs)	32,208- 294- 33-B	RL7GA	870,772- 454- 76-A		
UZ3DWX	2,088- 50- 12-B	UB5SA	63,196- 398- 61-A	UB4QXU (3 oprs)	31,746- 281- 33-B	UL7JW	352,160-1010- 80-B		
UA3IAK	1,275- 29- 15-B	UB5PC	61,888- 286- 84-A	UB4WWU (UB5WS,UB5-068-390, oprs)	10,440- 273- 15-D	UL7DA	37,856- 254- 32-C		
UA3XCM	45- 5- 5-B	UB5MQF	53,704- 292- 49-A	UB4QXD (3 oprs)	6,888- 98- 21-D	UL8GWW (RL7GN,UL7s GAP,-01899, oprs)	360,390- 999- 82-D		
UA6ADC	172,640- 610- 83-C	UB5IBM	45,910- 223- 68-A	UB4QXU (3 oprs)	9,177,202-1899-143-D	UL8QWG (UL7s QBj,QBX,OCG,oprs)	131,955- 478- 95-D		
UA6GL	127,236- 557- 69-C	RB5MP	35,464- 161- 52-A	UB4LWY (+ oprs)	183,050- 678- 75-D	Kirghizia			
UA3TN	92,080- 351- 80-C	UB5IFN	35,388- 295- 43-A	UB4MZL (UB4MAH,UB5MVX,oprs)	130,620- 639- 70-D	UM8DX	113,738- 438- 58-A		
UA4CO	87,934- 377- 77-C	RB4IRO	33,891- 319- 57-A	UB4IVW (+ oprs)	99,008- 474- 68-D	UM8MZ	84,480- 346- 60-B		
UA4NC	80,480- 360- 80-C	UB5AE	30,808- 263- 55-A	UB4EYB (2 oprs)	52,080- 366- 42-C	UM8MZ	66,092- 222- 62-B		
RW4CA	72,064- 390- 84-C	RB5CY	20,429- 336- 31-A	UB4SWK (+ oprs)	29,682- 330- 34-D	UM8MBA	6,204- 100- 14-B		
UW3EQ	53,092- 305- 52-C	RB5AT	14,875- 138- 35-A	UB4FWZ (RA4s FEE,FET, UA4-148-464,oprs)	32,208- 294- 33-B	UM8MMG	17,746- 284- 19-C		
UA1CK	50,765- 251- 65-C	RB5QR	13,860- 106- 35-A	UB4QXU (3 oprs)	31,746- 281- 33-B	UM8QWC (+ oprs)	187,036- 547- 76-D		
UV3TE	47,196- 274- 46-C	UB6UCH	13,702- 75- 62-A	UB4LWY (+ oprs)	26,480- 256- 40-D	ZONE 32			
UA6HCK	33,429- 343- 26-C	UB5KW	10,488- 196- 19-A	UB4SWK (+ oprs)	29,682- 330- 34-D	Mongolia			
UA3DCK	22,540- 805- 28-C	UB5AF	8,208- 130- 27-A	UB4FWZ (RA4s FEE,FET, UA4-148-464,oprs)	32,208- 294- 33-B	JT1BG	7,006- 60- 31-C		
UA4ACP	21,804- 149- 44-C	UV5YY	5,290- 133- 14-A	UB4QXU (3 oprs)	31,746- 281- 33-B	Asiatic RSFSR			
UV3FD	19,400- 177- 40-C	UT5EW	2,744- 55- 24-A	UB4FWZ (RA4s FEE,FET, UA4-148-464,oprs)	32,208- 294- 33-B	EA9AD (UA9CIU,opr)	1,011,381-1790-119-A		
RA3AC	14,167- 189- 31-C	RB5IIU	1,001- 31- 11-A	UB4QXU (3 oprs)	31,746- 281- 33-B	UA9FAR	432,450-1090- 90-A		
UA6XT	13,440- 267- 21-C	RB5GW	845,759-1858-157-B	UB4LWY (+ oprs)	31,746- 281- 33-B	UA9ALD	124,558- 453- 62-A		
UD9DX	10,224- 140- 18-C	UB4EL	366,610-1083-105-B	UB4QXU (3 oprs)	31,746- 281- 33-B	UW9AG	105,910- 357- 70-A		
UA6WS	9,616- 93- 28-C	RB5QP	172,640- 771- 80-B	UB4FWZ (RA4s FEE,FET, UA4-148-464,oprs)	31,746- 281- 33-B	UA9CBO	88,655- 338- 65-A		
UA3TEP	6,600- 194- 15-C	UB5IJ	167,245- 651- 83-B	UB4QXU (3 oprs)	31,746- 281- 33-B	RA9FA	82,720- 431- 47-A		
UV3NB	5,253- 83- 17-C	UB5IAN	92,008- 566- 56-B	UB4LWY (+ oprs)	31,746- 281- 33-B	UA9AQ	210,720- 616- 54-A		
4J4F (UA4s FAO,FB,FD,FE,FER, FZ,oprs)	2,551,379-3596-199-D	UB5TN	78,678- 290- 93-B	UB4QXU (3 oprs)	31,746- 281- 33-B	UA9AQ	116,884- 355- 42-A		
UZ3LWZ (UA6s ID,II,UB5s IFK, IML,IOK,oprs)	1,806,143-2448-187-D	UB5FAN	76,128- 560- 61-B	UB4LWY (+ oprs)	31,746- 281- 33-B	UA9QAV	41,616- 151- 68-A		
UZ4WWB (+ oprs)	2,16,298- 858- 83-D	UB5FBC	45,800- 352- 53-B	UB4QXU (3 oprs)	31,746- 281- 33-B	UA9QSG	39,390- 303- 30-A		
UZ6AWF (UA6s AB,CQ,UB5WCA,oprs)	436,810-1301-110-D	UB5QB	56,140- 209- 70-B	UB4FWZ (RA4s LO,-004-124,oprs)	58,752- 376- 48-D	UA9WAZ	38,151- 343- 27-A		
UZ3DXW (UA3s DDB,DFO,-142-1918, -142-1944,oprs)	425,844-1178-108-D	UB5ZR	44,064- 295- 54-B	UB4QXU (3 oprs)	224- 26- 4-D	UA9SA	752,640-1374-120-B		
UZ1TWB (UA1s TAE,TEI,-144-388, oprs)	305,718-1130- 87-D	UB5VQ	33,624- 334- 41-B	UB4QXU (3 oprs)	157,122- 948- 58-D	UA9QWVW (+ oprs)	1,394,640-2218-130-D		
UZ1TWB (UA1s TAE,TEI,-144-388, oprs)	241,244-1015- 82-D	UB5VQ	34,844- 438- 31-B	UB4FWZ (RA4s LO,-004-124,oprs)	10,620- 102- 30-A	UZ9WWH (UA9s FW,WZ,RW9s WA, WC,WW,UA9s WD,WFG,WFM,WKY, UW9WWK,oprs)	243,660- 932- 60-D		
UZ2AWW (UA6s WAW,WD,WG,oprs)	241,244-1015- 82-D	UB5VQ	40,700- 316- 44-B	UB4QXU (3 oprs)	86,265- 674- 43-D	ZONE 33			
UZ2AWW (UA6s WAW,WD,WG,oprs)	241,244-1015- 82-D	UB5VQ	39,776- 320- 44-B	UB4FWZ (RA4s LO,-004-124,oprs)	10,620- 102- 30-A	Armenia			
UZ2AWW (UA6s WAW,WD,WG,oprs)	241,244-1015- 82-D	UB5VQ	39,424- 302- 44-B	UB4QXU (3 oprs)	86,265- 674- 43-D	UA9QAM	1,394,640-2218-130-D		
UZ2AWW (UA6s WAW,WD,WG,oprs)	241,244-1015- 82-D	UB5VQ	37,222- 376- 37-B	UB4FWZ (RA4s LO,-004-124,oprs)	10,620- 102- 30-A	UZ9WWH (UA9s FW,WZ,RW9s WA, WC,WW,UA9s WD,WFG,WFM,WKY, UW9WWK,oprs)	243,660- 932- 60-D		
UZ2AWW (UA6s WAW,WD,WG,oprs)	241,244-1015- 82-D	UB5VQ	37,222- 376- 37-B	UB4QXU (3 oprs)	86,265- 674- 43-D	Armenia			
UZ2AWW (UA6s WAW,WD,WG,oprs)	241,244-1015- 82-D	UB5VQ	37,222- 376- 37-B	UB4QXU (3 oprs)	86,265- 674- 43-D	UA9QAM	1,394,640-2218-130-D		
UZ2AWW (UA6s WAW,WD,WG,op									

EA8AMX	6,672-	60- 24-C	JA2YKA (JF2DQ,opr)	342,804- 907- 84-A	JA2BEY	9,030- 68- 30-C	<b>ZONE 53</b>	UV1OO	7,980- 250- 14-B		
<b>ZONE 37</b>			JH4UYB	209,948- 756- 73-A	JR7XYW	6,177- 73- 29-C	<b>Tanzania</b>				
<b>Portugal</b>			JA6BIF	150,146- 548- 74-A	JAIIT	3,111- 39- 17-C	5H3ZR	4,876- 48- 23-A	<b>ZONE 90</b>		
CT1CWT	3,357-	104- 25-B	JA9RPU	76,980- 302- 65-A	JQ1WJP	2,223- 29- 19-C	<b>Minami Torishima</b>				
CS2DZ	34,944-	280- 42-C	JA2UOT	72,704- 324- 64-A	JE4MYV	1,856- 40- 10-C	7J1ACH	30,600- 130- 51-A	<b>Checklogs</b>		
CT1QF	5,526-	91- 18-C	JE1AER	70,556- 308- 65-A	JA6TTT/1	580- 14- 8-C					
CT1BWW	3,488-	52- 17-C	JA7FAS	31,380- 255- 30-A	JH6FTJ	472- 21- 8-C	AA2Z, CE4ETZ, CT3DL, DK9EA, GM3AKM, HA8BB, HA8BD, HA8BH, HK3JJH, IK0DWN, LA7SI, LA8CE, LZ1KIA, LZ1OT, LZ2KSK, N3CZB, OE1IP, OE8PA8PUR, OH5FA, OK1US, ON5FV, OZ1JLX, OZ1JNR, OZ2JI, OZ3FC, OZ3G, PABUV, PA3BTB, PY1OL, RA3PA, RA6AJQ, RA6AP, RB8JX, RB5LM, RT5JH, RT5UE, RV9UV, RW3AZ, RZ8CZ, SM3CVM, SM6GOR, SM6KMD, SM6OLL, SM7KWE, SP1ICGP, SP1IHWY, SP2GJV, SP2GWH, SP4BY, SP4FGF, SP4LDT, SP5AHY, SP5BNB, SP5ENA, SP5ZIM/4, SP6ZB, SP8DIP, SP8GSC, SP8IMA, SP9AZL, SP9ENV, SP9JPA, UA6WDF, UA1AOB, UA1APJ, UA1NCO, UA1OGA/3, UA3ADQ, UA3DLD, UA3DTT, UA3EDF, UA3QQQ, UA3RDG, UA3TBW, UA4HJL, UA4HLX, UA4HPN, UA4LCH, UA4YAQ, UA6AJ, UA6AK, UA6HNZ, UA6HOF, UA6IBQ, UA6JDE, UA9ADG, UA9FF, UA9MA, UA9MRA, UA9XM, UB4CWV, UB4JCV, UB4LAT, UB4LDD, UB5CJII, UB5DED, UB5EEFA, UB5GDN, UB5IMD, UB5INQ, UB5OK, UB5VAA, UB5XBD, UB5ZY, UC2ADX, UC2LAR, UC2OR, UF8FFF, UL7ACI, UL8AWL, UM8MGO, UM9MW, UP2BEF, UP2BPK, UC2GKR, UQ2GKT, UR2QD, UV3DN, UV8UF, UV3EG, UW3GL, UW6HS, UY5GG, UZ8KWC, UZ9WWJ, UZ1AXB, UZ1OWZ, UZ1TWC, UZ3WWO/P, UZ6HHW, UZ9XWA, W8UV, Y21NE, Y21UD, Y22CF, Y23BF, Y23YE, Y24KG, Y24LA/P, Y25MG, Y26LG, Y26WM/A, Y28GO/A, Y39YM, Y43VF, Y492D, Y52ZE/A, Y53ZL, Y54OL/P, Y59YM, Y61XM, Y62SM, Y68ZNN, Y75YL, Y80ZEA, Y82KJI, Y86MH, YU2CAH				
CT1ITM	1,068-	28- 13-C	JA2YDC (JF2RIQ,opr)	21,294- 177- 42-A	JR3KAH	355- 21- 5-C					
<b>Spain</b>			JA6BCV	10,230- 88- 31-A	JG6LGE	350- 20- 7-C	<b>ZONE 54</b>				
EA1CIM	153,975-	521- 75-A	JA6IP	9,731- 83- 37-A	JA3RBC	180- 15- 4-C	<b>Indonesia</b>				
EA2CR	24,376-	182- 44-A	JH8TYD	5,016- 69- 24-A	JF4ECI	188- 10- 6-C	YB2FEA	22,072- 144- 31-B			
EA5FWU	177,385-	865- 65-B	JG3SJB	3,808- 66- 18-A	JH2WHS	182- 9- 6-C	YB4FNN	17,689- 189- 19-B			
EA1NZ	57,456-	268- 63-B	JA3UWB	3,744- 90- 18-A	JS1XNU/1	148- 9- 4-C	YB2SV	86,892- 345- 52-C			
EA3DXD	55,396-	377- 44-B	JH0XUP	3,536- 82- 17-A	JI1TTO	8- 2- 2-C	YC0EMJ	26,514- 297- 18-C			
EA3EYB	3,638-	60- 17-C	JA8PIF	1,280- 58- 9-A	JF2LTH	4- 2- 2-C	YC8SY	24,498- 274- 18-C			
EA5TX	2,856-	119- 8-B	JH7BMF	448- 22- 7-A	JF6FWT	3- 1- 1-C	YC7DF	8,736- 112- 16-C			
EA7FUR	51,414-	353- 41-C	JO1QYI	284- 22- 4-A	JA1YWX (JG1MM,JH1QI,JH1JR, JM1s CAX.LPN.MCF.JQ1s BMV, NAH.JF2IW1..J2GUT.JR4NIV, JE6MII,JH7PKU.JA6-9330.ops)	512,246-1251- 98-D	YB2EJB	4,480- 49- 20-C			
EA2BUI	48,914-	438- 37-C	JH7LVK	341,040- 818- 98-B	JA1YXA (JA3-30356,JE6BXJ,JH9s GRM,JFH,ops)						
EA7AVU	41,545-	378- 35-C	JA9DAI	217,086- 510- 97-B	JA9YBA (JA8s QWV.VDA, -10148,-18150,JH7IJR,ops)						
EA3ERT	37,800-	333- 35-C	JR3BOT	134,826- 496- 69-B	JA9YCA	366,113- 981- 83-D	<b>ZONE 55</b>				
EC8CJJE	32,688-	438- 24-C	JA1BNW	67,158- 380- 41-B	JA1YAD (JN1HYU,JP1DMX,JS1s KNE,PAQ,JH5GHM,JH7UCC, JH8UYB,JH9AMJ,ops)			<b>Australia</b>			
EA4CTU	15,813-	253- 21-C	JA3EJA	62,985- 233- 65-B	JA1YAF (JA3-30356,JE6BXJ,JH9s GRM,JFH,ops)			VK4XA	69,550- 288- 50-B		
EC8CGJ	10,635-	241- 15-C	JA1AFX	60,769- 255- 67-B	JA1YAH (JA3-30356,JE6BXJ,JH9s GRM,JFH,ops)			VK4TT	7,150- 67- 22-B		
EA1AHA	7,975-	106- 25-C	JE6JRY	60,062- 230- 59-B	JA1YAN (JA3-30356,JE6BXJ,JH9s GRM,JFH,ops)						
EA5EFV	6,490-	84- 13-C	JH3AUI	55,476- 262- 46-B	JA1YAO (JA3-30356,JE6BXJ,JH9s GRM,JFH,ops)						
EA5DIT	5,278-	51- 29-C	JH1SWD	45,880- 260- 40-B	JA1YAP (JA3-30356,JE6BXJ,JH9s GRM,JFH,ops)						
EA3FQV	1,608-	73- 8-C	JA3ARM	39,034- 163- 58-B	JA1YAR (JA3-30356,JE6BXJ,JH9s GRM,JFH,ops)						
<b>Balearic Islands</b>			JR3WXA	36,006- 210- 51-B	JA1YAS (JA3-30356,JE6BXJ,JH9s GRM,JFH,ops)						
EA6WX	16,060-	262- 20-A	JA1OP	19,264- 122- 43-B	JA1YAT (JA3-30356,JE6BXJ,JH9s GRM,JFH,ops)						
<b>ZONE 39</b>			JH7XGN	14,178- 80- 51-B	JA1YAU (JA3-30356,JE6BXJ,JH9s GRM,JFH,ops)						
<b>Israel</b>			JH1MTR	9,975- 73- 35-B	JA1YAV (JA3-30356,JE6BXJ,JH9s GRM,JFH,ops)						
4X4FL	7,965-	71- 27-C	JA2KPV	9,744- 86- 29-B	JA1YAY (JA3-30356,JE6BXJ,JH9s GRM,JFH,ops)						
4X6IF (+4Z9BAA)	41,004-	232- 36-D	JA7ASD	7,700- 73- 28-B	JA1YAZ (JA3-30356,JE6BXJ,JH9s GRM,JFH,ops)						
<b>Cyprus</b>			JN1VUB	6,250- 72- 25-B	JA1YBA (JA3-30356,JE6BXJ,JH9s GRM,JFH,ops)						
OH1RY/5B4	222,420-	708- 66-C	JA1AAT	5,934- 61- 23-B	JA1YBC (JA3-30356,JE6BXJ,JH9s GRM,JFH,ops)						
<b>ZONE 44</b>			JA2SAP/1	5,575- 43- 25-B	JA1YBD (JA3-30356,JE6BXJ,JH9s GRM,JFH,ops)						
<b>Korea</b>			JG2LGM	5,359- 55- 23-B	JA1YBE (JA3-30356,JE6BXJ,JH9s GRM,JFH,ops)						
HL4RW	10,440-	346- 10-A	JR4ISK	3,717- 65- 21-B	JA1YBF (JA3-30356,JE6BXJ,JH9s GRM,JFH,ops)						
HL1ABR	79,086-	625- 42-C	JR3EX	2,786- 45- 14-B	JA1YBG (JA3-30356,JE6BXJ,JH9s GRM,JFH,ops)						
HL1AQB	33,684-	655- 17-C	JA1YVY	2,108- 28- 17-B	JA1YCH (JA3-30356,JE6BXJ,JH9s GRM,JFH,ops)						
HL5VC	13,688-	268- 17-C	JR6PGB	156,282- 513- 79-C	JA1YCI (JA3-30356,JE6BXJ,JH9s GRM,JFH,ops)						
HL5K (HL2IDN,HL3EAT,ops)	113,092-	766- 49-D	JA1YDQ	98,816- 529- 48-C	JA1YCN (JA3-30356,JE6BXJ,JH9s GRM,JFH,ops)						
<b>ZONE 45</b>			JA1YFG	53,391- 305- 37-C	JA1YCP (JA3-30356,JE6BXJ,JH9s GRM,JFH,ops)						
<b>Japan</b>			JA8AD	25,515- 169- 35-C	JA1YCR (JA3-30356,JE6BXJ,JH9s GRM,JFH,ops)						
JH1YDT (JH4UTP,opr)	468,410-	990-105-A	JA1KTR	14,065- 119- 29-C	JA1YCS (JA3-30356,JE6BXJ,JH9s GRM,JFH,ops)						
			JA2FSM	12,672- 126- 22-C	JA1YCT (JA3-30356,JE6BXJ,JH9s GRM,JFH,ops)						
			JH7XWT	9,504- 101- 32-C	JA1YCU (JA3-30356,JE6BXJ,JH9s GRM,JFH,ops)						
					JA1YCV (JA3-30356,JE6BXJ,JH9s GRM,JFH,ops)						
					JA1YCW (DU1FP,DV1s AAR,ANX, AOC,AOT,ARC,ASM,ATB,AXK, DMD,FZ,ops)	92,352- 500- 37-D					
					JA1YCX (DU1FP,DV1s AAR,ANX, AOC,AOT,ARC,ASM,ATB,AXK, DMD,FZ,ops)	92,308- 400- 32-A					