

Results, 1989 IARU HF World Championship

By Billy Lunt, KR1R and Mark R Burke, KA1MIS
Contest Manager Contest Assistant

This year's IARU HF World Championship was held during the weekend of July 8-9, 1989. Dan, W7WA, finds that "summertime propagation makes this contest quite different from spring and fall contests." Even though the IARU HF World Championship may be quite different, good propagation was reported from all continents. KO9Y found, "The signals were strong with great openings throughout the night, even on the high bands." Hein, DL2OBF, had great fun and reports, "Wow! Nearly 700 QSOs in about 17 hours! All bands were open! Wait till next year, I will make 1000 QSOs." Even with all the good reports, 10 and 15 meters surfaced as the bands that produced the largest QSO totals. Multiop-station UQ0A claims, "We heard the US on 15 meters all 24 hours of the contest. There were nice pileups on 15 meters." IO4UFH conveyed, "Fantastic propagation to the US on 15 meters during the night!" WA2IUO was excited about "a great JA long-path opening on 10 meters during Sunday morning."

Contesting has the ability to draw casual operators into the main stream of the contest. Like many a casual operator, KC8WR relates, "I started out just giving other stations a few QSO points." Then the "contest bug" bit and Michael started going full bore and had a ball! His only resentments were that "if I had known the 'contest bug' would bite so hard, I would have taken a nap and operated the entire contest."

Activity increased for the 1989 contest with Box AAA receiving a total of 1477 logs. The CW-only entry category remains the most popular, with the phone-only entry category as the next favorite, followed by mixed-mode and multioperator.

Fourteen IARU member-society HQ stations submitted their logs. HG89HQ set a new record with 10 million points for first place. Second-place Y6IHQ scored 8 meg followed by LZ7A with 6 meg. Thanks to all the HQ stations that participated and gave out those extra multipliers.

The entire top ten in the world mixed-mode category scored over a million points as opposed to only the top six places in 1988. Gyozo, HA0MM, tried the mixed-mode category this year and finished on top, scoring 1.9 million points. 5H3TW (K3TW,op) finished second with 1.46 meg, with OK1RI close at his heels with 1.41 meg for a respectable third place. Rich, K1CC, took top state-side honors and finished sixth worldwide, scoring 1.2 meg. Seventh-place worldwide and

second-place W/VE went to veteran K3ZO, with 1.1 meg.

ZP0Y (ZP5JCY,op) scored over 2 million points to take first-place in the world phone-only category. C40A (5B4MF,op) finished in second place scoring 1.6 meg, and RB5MT finished third with 1.4 meg. Dan, W7WA, mustered 1.2 meg to finish in first place on W/VE phone-only and fifth place worldwide. Jack, W1WEF, finished second among W/VEs and sixth worldwide with 1.0 meg.

UW0LT moved up the ladder from sixth place in 1988 to win first-place worldwide CW, scoring 1.2-million points. RL7AB racked up 1.1 meg for a strong second-place finish. Dan, K1TO, mustered 1.0 meg for third-place worldwide and first-place W/VE. Jeff, KR0Y, stayed at home this year and secured fourth-place worldwide and second-place W/VE with close to 1.0 meg.

In the multioperator category, the top four scores were all from the USSR and were well over 2-million points each. Contest team, UC1OWA edged out rival RB8M for the top worldwide honors with RQ7W finishing third in the multioperator category. K6TMB moved up from sixth-place W/VE last year to finish

first among W/VE multiop entries. N5AN finished second for W/VE and N8CXK third.

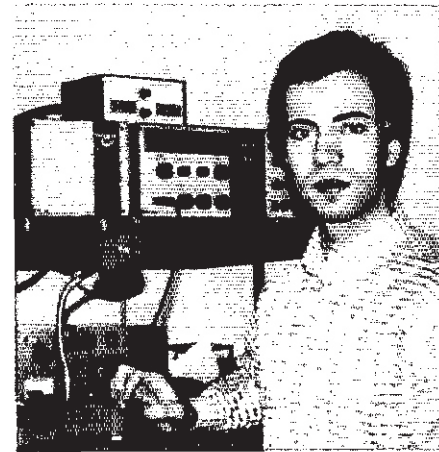
This summertime contest provides plenty of activity from around the world and with the 24-hour format, you still have time left over to spend with the family. If you haven't tried it, give the next one a whirl and see how you stack up against the worldwide competition. See you in the fifth IARU HF World Championship on the weekend of July 14-15, 1990.



Spyros, C40A (5B4MF,op), finished second-place world phone-only from Cyprus.



Alfredo, CU2BR, pictured with his dog, operated mixed mode from the Azores.



Sergio, IK4AUY, finished first-place phone in Italy.

Top World Scores

Mixed		CW	
Call	Score	Call	Score
HA0MM	1,928,690	UW0LT	1,253,212
5H3TW	1,464,672	RL7AB	1,105,247
(K3TW,op)		K1TO	1,093,652
OK1RI	1,416,012	KR0Y	998,880
RA9JX	1,281,852	W2GD	945,496
UA1DZ	1,259,280	I2VXJ	865,985
K1CC	1,203,210	WB2Q	848,817
K3ZO	1,180,155	CR5NH	827,480
RBSIM	1,177,405	(CT1BOH,op)	
RZ9UA	1,102,188	V56BG	821,500
HA5PP	1,091,270	DF0RX	807,402
		(K5ZD,op)	
Phone		Multioperator	
Call	Score	Call	Score
ZP0Y	2,001,846	UC1OWA	2,858,612
(ZP5JCY,op)		R8BM	2,774,778
C40A	1,618,871	RO7W	2,537,280
(5B4MF,op)		UB3IWA	2,319,648
RBSMT	1,473,342	UQ0A	1,806,080
RBSFF	1,311,393	UT4UXW	1,724,020
W7WA	1,252,672	UP1BWW	1,550,855
W1WEF	1,058,888	IQ4JFH	1,465,280
EA4KK	862,240	RL8PYL	1,438,896
YU3HR	811,008	R0C	1,411,580
RB5DX	810,968		
YU2W	772,507		
(YT2FI,op)			

SOAPBOX

Great contest! This was my first try at this one. I still enjoy contesting with no gadgets, computers and etc. I hope to get more than ten hours in the contest next year (W7HS). The IARU contest seems to be popular everywhere except in the US (W7WA). Sure was a nice European opening on 15 meters! I enjoy the 24-hour format. See you with more activity next year (N0AX/7). Wow! Conditions were superb! I had a great time. Thanks to K8CC for the use of his logging program (KR0Y). All my contacts were made using attic dipoles (NZ5V). I had a good time missing out on my sleep! This is the first time that I have entered a contest. The bands were not very cooperative in opening worldwide. Twenty meters was really dead to the west with no ZLs and only one VK (W0VKP). FB contest! I like the 24-hour format (WF5E). It was a lot of fun and was my first 24-hour contest. I drank lots of coffee. The only casualty was my preamp. It got zapped with RF around 2 AM. See you next year (KA1J). Good contest! I was glad that I stayed home for the weekend (W1WEF). Good conditions and interesting DX! I wish that I had more time to operate in the contest. Wait till next year (KB1BE). I thought that I was in the Everglades. There were so many "alligators" about! (KT2D). Good activity, beautiful weather, tough choice, I went 50/50 outside and on the air (K3WW). Thanks for sponsoring the contest. I would like to see it moved to lower QRN months (K4PQL). Incredible conditions to Japan from central Florida all night! Thanks to the JAs for standing by during checks for other parts of the world (AB4CQ). This was my first CW contest in 10 years. I had a great time! I missed some operating time due to a receiver failure. Murphy was born in my house! (W18W). It was basically a three-band contest here. I have no antennas for 160, 80 and 10 meters. I didn't miss them; 15 meters was open for all 24 hours. Enjoyed it! (N9AG). Last year, we went 57 days without rain. Guess which weekend the drought broke. I was off the air for four hours with thunderstorms! Had a great time anyway (K09Q). Excellent contest but what happened to 10 meters? Why did I fall asleep two hours before the end? (XE1THR). Conditions were not good. Fifteen meters was the best band. There was a great deal of aurora activity to the north (LA5QFA). Ten meters: poor conditions; fifteen meters: excellent conditions; twenty meters: in-between (LA2AD). I couldn't believe the pileups on 15 meters! Super conditions and great fun! (OH6NIO). A national ham meeting and no beam for 20 meters resulted in limited operating time in the contest. Super propagation helped me to make nearly 1400 QSOs in about 12 hours! (OH1AF). Thanks for FB contest. GL and 73 (OH7NW). Thanks for the nice test (OH3OJ). I worked eight new prefixes! (OZ7AX). GL! DX! 73! (UA1OAM). Very enjoyable as it was my first contest. I wasn't

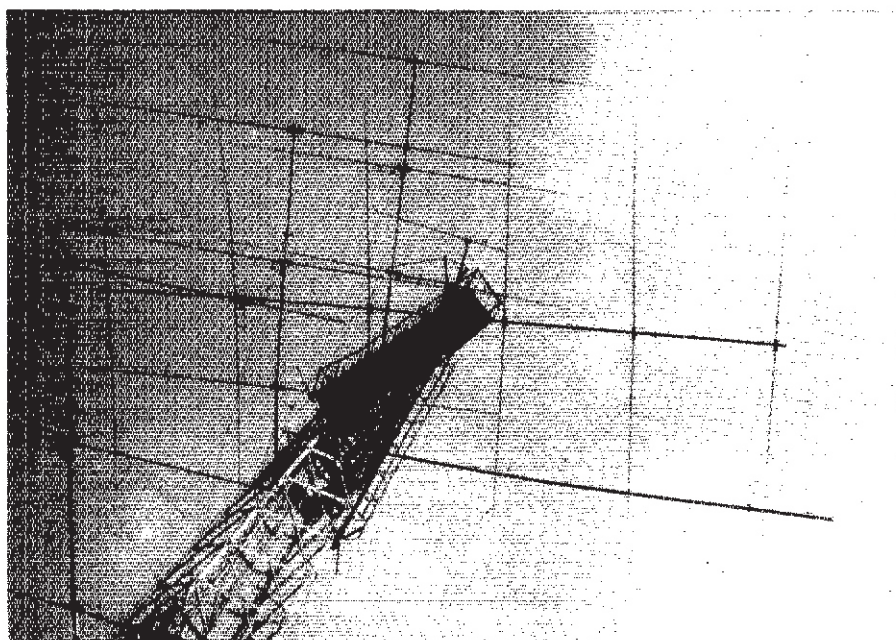
IARU Headquarters Stations

HG89HQ (HA1s VQ, WD, YA, YU, HA3s NX, UZ, HA4s FF, XH, XT, ZD, ZZ, HA5s BNL, DW, FM, GF, IW, LN, MK, ML, OM, RY, WA, WE, YLN, HA6s ND, NF, NQ, NY, ON, OQ, PX, HA7s JAO, UG, HA8s FM, IE, JP, JV, LKE, LLK, PG, RF, HA0DU, HA8-806,ops)	10,061,280-	10457-	272
Y61HQ (Y21s TL, YK, Y23EK, Y24UK, Y25ZO, Y27FN, Y32s JK, VK, Y37XJ, Y38YK, Y42s FK, GK, LK, MK, OK, Y58WA, ops)	8,024,109-	9515-	237
LZ7A (LZ1s BV, CL, MG, MK, NE, NQ, 1A245, 1F109, 194, 313, 1E289, LZ2s AB, AO, JE, KK, MG, QV, RS, UU, VU, ops)	6,891,424-	8183-	248
CT1REP (CT1s AHU, BOP, DIZ, ops)	1,269,492-	2429-	127
4U1ITU (KU2C, op)	863,330-	1941-	130
JA3RL (JA1VYI, JA3s MAU, NDM, JG2ULB, JG3s KUT, RPL, JI3s ERV, OYM, JJ3FZS, JR4ISF, JP3LKR, ops)	751,961-	1999-	119
IR2MQP (I2MQP, op)	517,041-	1443-	87
ON4UBA (ON4XG, ON5WL, ON6JG, ops)	364,670-	1108-	102
W1AW (KJ4KB, op)	171,996-	760-	66
LG5LG (LA9VDA, op)	166,740-	634-	70
SQ0DXC (SP9s ADV, BRP, JPA, ops)	100,200-	597-	60
HK3LR (HK3s BED, MLN, NTI, ops)	77,658-	381-	42
EI0RTS (EI2CL, op)	9,680-	70-	40
OK5MVT/P (OK1s DVK, FWW, ops)	1,800-	36-	12

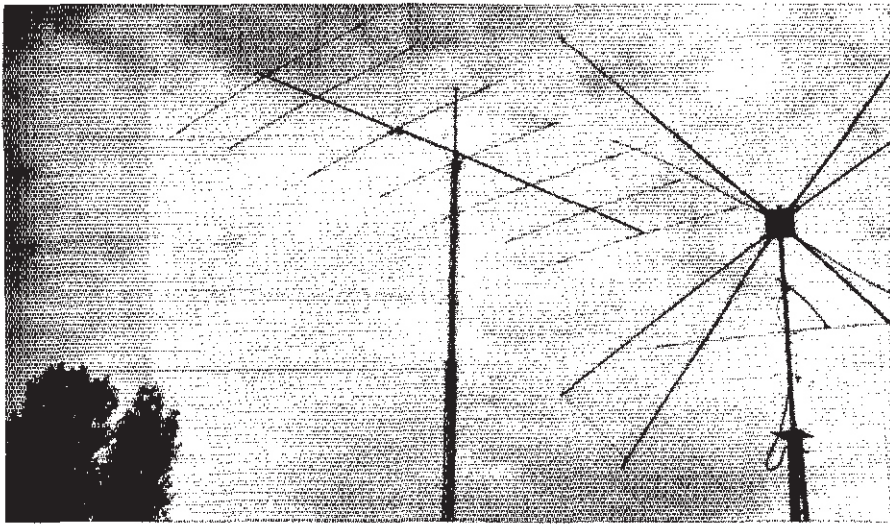
Top W/VE Scores

Mixed		CW	
Call	Score	Call	Score
K1CC	1,203,210	K1TO	1,093,652
K3ZO	1,180,155	KR0Y	998,880
AA4NC	903,636	W2GD	945,496
K2SD	710,565	WB2Q	848,817
N9AG	641,884	K8CC	762,723
WZ4F	629,481	K6LL	687,401
KA5W	511,438	KB0G	671,957
KV0I	381,988	AD5O	666,115
WE7B	365,120	N0BSH/9	657,340
WA8FGV	305,600	K2SX/1	599,424
Phone		Multioperator	
Call	Score	Call	Score
W7WA	1,252,672	K6TMB	1,106,930
W1WEF	1,058,888	N5AN	834,392
KA1ION	687,899	N8CXX	814,212
WB8JBM	582,360	N5EA	781,621
(NZ4K,op)		K2WI	643,734
WB2K	412,335	N0BNG	612,846
VE3CPA	375,597	K9SD	610,743
W2OW	363,092	AB4CQ	482,996
(N2HR,op)		WD8LLD	430,464
K5XI	342,693	KD9ST	354,256
KA5WSS	334,044		
K6SVL	331,905		

able to operate all the time as a new baby daughter played havoc with the household that evening (E16G). What an excellent contest! CW operation was down a bit due to the chief CW operator twisting his ankle while chasing a wild goat away from the mast guy ropes at four in the morning! Luckily he can send with the other foot but not as fast! See you next year (EJ1D). I was only able to operate for half of the contest. I found 21 and 28 MHz quiet (GM4ZFE). No activity on the low bands! See you next year (ON6AH). A good contest, but a great deal of QRN (PA0IJM). Nice contest as usual (PA3EOB). The contest was fun. I did well for my poor rig and antenna. See you next year (DF1LX). This was my first time in this contest. It was very interesting (DF8WS). Good conditions with much QRM, but it was one of the best contests (DL8PC). It was great fun working in the contest. I would have loved to be QRV for 24 hours, but I had to work the weekend (HB9CSA). It was fun (HB9CVO). Thanks for the interesting contest. I hope for a better score next year (IK5IU). Wonderful conditions, but a local thunderstorm didn't allow a good job on the low bands (I2VXJ). During the night, the propagation was beau-



A view of some of the antennas used by HQ-station HG89HQ.



Gyozo, HA0MM, finished first-place world mixed mode using these antennas.

tiful to the US (IN3ZNR). Next time, I will have a better 15-meter antenna. It was practically a single-band contest, and 15 meters is my worst band

(OK1RD). We had bad conditions and thunderstorms (SP9MRO). This was my first IARU contest. It was fun. I hope to do better next time (YO5BQ). Very

good contest! (YO2DFA). Extremely bad propagation! (RV6AF). Thanks for the nice contest (UA4LU). Thanks for FB contest (UA6LQ). Many thanks for the nice contest! It was my first championship (UA3RMM). Thanks for contest (UA3YAO). FB contest! (RV1AF). Sincere thanks for the fine contest. I hope to enter again next year (UA6EED). Thanks for the nice contest (UZ4CYJ). Thanks for the contest. The conditions were very good (RB5MT). This was my first time in the IARU championship. It is a very dynamic contest (RC2AZ). Great contest! Does anybody need zone 29? (UC2AB). Very FB conditions in Northern Europe (UQ2GD). Thanks for the nice contest QSOs (UQ2PP). FB contest (UR2RND). Thanks for the good contest (UA9CBO). I did not have good conditions! Hope they are better next year (UW9CP). Cheerio! (R18BN). Thanks for the very nice contest (UL7MU). The conditions were very poor for this important contest especially on 28 and 14 MHz (CT1BWW). Nice contest (EA7AAW). Very, very tired! (J11UTP/1). Good conditions for 10 meters! (JA1AAT). This is my first time in the contest (JR1TFR). The conditions and activity were not very good on 10 meters (JE1CKA). I was amazed when K3ZO called me on 28 MHz at 0749Z! Great conditions on all bands including many long-path openings (SH3TW). This was my first time in the contest. See you next year (VK8XX). There seemed to be plenty of activity, just a pity some stations don't spend a little more time listening between their CQs! Good to see 10 meters coming to life (ZM2AGY). Thanks for the FB contest! Greetings from FJL (UA0BEZ/UA1O). Thanks for the nice contest. 73 from FJL (UA1OT).

Scores

Scores are listed by ITU zone and then by country within that zone. The line score indicates the call sign, final score, QSOs, multipliers and entry class. The entry class letters indicate: A = single operator, mixed mode; B = single operator, phone only; C = single operator, CW only; D = multioperator, single transmitter.

Zone	Country	Call Sign	Score	QSOs	Multipliers	Entry Class	
Zone 1	Alaska	NL7DU	200,664	701	72	B	
		Zone 2					
		Alberta	VE8DZ	34,055	169	49	A
Zone 4	Quebec	VE2WAT	7,140	63	30	C	
		Zone 6					
		West Bay	N8EK	240,240	608	91	C
Zone 7	San Diego	K6ZH	196,350	462	105	B	
		Zone 8					
		West Texas	WF5E	215,138	774	77	B
Zone 9	Colorado	W0GQ	51,408	235	54	B	
		Zone 10					
		Western Massachusetts	KG1S	1,056	34	11	
Zone 11	Eastern New York	KE2GL	53,290	53	3		
		Zone 12					
		North Texas	K5W	342,893	904	101	B
Zone 13	New Mexico	AASJF	89,856	345	72	A	
		Zone 14					
		South Texas	NZSV	43,017	309	39	A
Zone 15	California	N8BP	25,312	110	56	A	
		Zone 16					
		Arizona	K6LL	687,401	1319	121	C
Zone 17	Oregon	WA7OEM	115,620	379	82	A	
		Zone 18					
		Utah	WE7B	365,120	1176	80	A
Zone 19	Washington	NX7K	170,872	611	62	A	
		Zone 20					
		Wyoming	KB7M	2,964	36	19	B
Zone 21	Arkansas	WA5VBE	46,256	229	55	A	
		Zone 22					
		Missouri	NS0B	24,840	120	54	A
Zone 23	Minnesota	W8RXL	22,386	132	42	A	
		Zone 24					
		Nebraska	KV8I	381,968	1078	89	A
Zone 25	South Dakota	WD8BMR	56,347	221	57	B	
		Zone 26					
		Nebraska	K8SW	14,469	63	39	C
Zone 27	Connecticut	K1CC	1,203,210	1910	145	A	
		Zone 28					
		Eastern Massachusetts	WB2DND	100,492	296	74	A
Zone 29	Maine	KN1M	230,289	631	87	A	
		Zone 30					
		Rhode Island	K1PLX	228,570	590	95	B
Zone 31	Vermont	WB1GDR	94,024	411	96	D	
		Zone 32					
		Western Massachusetts	KG1S	1,056	34	11	
Zone 33	New York	KE2GL	53,290	53	3		
		Zone 34					
		North Carolina	N10C	79,820	320	65	D
Zone 35	Mississippi	MS0B	24,840	120	54	A	
		Zone 36					
		Alabama	AL10	10,410	89	30	B
Zone 37	Louisiana	K2SD	710,585	1377	127	A	
		Zone 38					
		West Virginia	WV10	10,410	89	30	B
Zone 39	Kentucky	K10A	1,058,688	1823	126	B	
		Zone 40					
		Ohio	OH10	10,410	89	30	B
Zone 41	Indiana	IN10	10,410	89	30	B	
		Zone 42					
		Illinois	IL10	10,410	89	30	B
Zone 43	Michigan	MI10	10,410	89	30	B	
		Zone 44					
		Wisconsin	WI10	10,410	89	30	B
Zone 45	Minnesota	MN10	10,410	89	30	B	
		Zone 46					
		North Dakota	ND10	10,410	89	30	B
Zone 47	South Dakota	SD10	10,410	89	30	B	
		Zone 48					
		Nebraska	NE10	10,410	89	30	B
Zone 49	Kansas	KS10	10,410	89	30	B	
		Zone 50					
		Oklahoma	OK10	10,410	89	30	B
Zone 51	Texas	TX10	10,410	89	30	B	
		Zone 52					
		Missouri	MO10	10,410	89	30	B
Zone 53	Illinois	IL10	10,410	89	30	B	
		Zone 54					
		Indiana	IN10	10,410	89	30	B
Zone 55	Ohio	OH10	10,410	89	30	B	
		Zone 56					
		Michigan	MI10	10,410	89	30	B
Zone 57	Wisconsin	WI10	10,410	89	30	B	
		Zone 58					
		Minnesota	MN10	10,410	89	30	B
Zone 59	North Dakota	ND10	10,410	89	30	B	
		Zone 60					
		South Dakota	SD10	10,410	89	30	B
Zone 61	Nebraska	NE10	10,410	89	30	B	
		Zone 62					
		Kansas	KS10	10,410	89	30	B
Zone 63	Oklahoma	OK10	10,410	89	30	B	
		Zone 64					
		Texas	TX10	10,410	89	30	B
Zone 65	Missouri	MO10	10,410	89	30	B	
		Zone 66					
		Illinois	IL10	10,410	89	30	B
Zone 67	Indiana	IN10	10,410	89	30	B	
		Zone 68					
		Ohio	OH10	10,410	89	30	B
Zone 69	Michigan	MI10	10,410	89	30	B	
		Zone 70					
		Wisconsin	WI10	10,410	89	30	B
Zone 71	Minnesota	MN10	10,410	89	30	B	
		Zone 72					
		North Dakota	ND10	10,410	89	30	B
Zone 73	South Dakota	SD10	10,410	89	30	B	
		Zone 74					
		Nebraska	NE10	10,410	89	30	B
Zone 75	Kansas	KS10	10,410	89	30	B	
		Zone 76					
		Oklahoma	OK10	10,410	89	30	B
Zone 77	Texas	TX10	10,410	89	30	B	
		Zone 78					
		Missouri	MO10	10,410	89	30	B
Zone 79	Illinois	IL10	10,410	89	30	B	
		Zone 80					
		Indiana	IN10	10,410	89	30	B
Zone 81	Ohio	OH10	10,410	89	30	B	
		Zone 82					
		Michigan	MI10	10,410	89	30	B
Zone 83	Wisconsin	WI10	10,410	89	30	B	
		Zone 84					
		Minnesota	MN10	10,410	89	30	B
Zone 85	North Dakota	ND10	10,410	89	30	B	
		Zone 86					
		South Dakota	SD10	10,410	89	30	B
Zone 87	Nebraska	NE10	10,410	89	30	B	
		Zone 88					
		Kansas	KS10	10,410	89	30	B
Zone 89	Oklahoma	OK10	10,410	89	30	B	
		Zone 90					
		Texas	TX10	10,410	89	30	B
Zone 91	Missouri	MO10	10,410	89	30	B	
		Zone 92					
		Illinois	IL10	10,410	89	30	B
Zone 93	Indiana	IN10	10,410	89	30	B	
		Zone 94					
		Ohio	OH10	10,410	89	30	B
Zone 95	Michigan	MI10	10,410	89	30	B	
		Zone 96					
		Wisconsin	WI10	10,410	89	30	B
Zone 97	Minnesota	MN10	10,410	89	30	B	
		Zone 98					
		North Dakota	ND10	10,410	89	30	B
Zone 99	South Dakota	SD10	10,410	89	30	B	
		Zone 100					
		Nebraska	NE10	10,410	89	30	B

SP8NR 181,396-498-101-C
SP9BBH 132,314-359-91-C
SPIAEN 90,506-424-58-C
SPREY 65,431-294-58-C
SPAGFG 59,148-302-82-C
SPSCJQ 42,924-364-42-C
SP3LPR 970-28-10-C
SP3PLD (SP3s 184,MY3,888,ops)
254,834-787-107-D
SP1PBW (SP1s AMU,BZZ,ops)
223,890-588-102-D

German Democratic Republic

Y21RMA 834,240-1402-158-A
Y35VM 413,187-880-129-A
Y34SG 303,471-815-118-A
Y21VFA 343,090-959-110-A
Y25TO 330,210-721-135-A
Y22EK 284,502-677-112-A
Y48HL 271,953-758-99-A
Y31WI 180,992-682-92-A
Y32WF 189,274-551-101-A
Y32PIV 151,298-512-96-A
Y21W 114,390-431-82-A
Y44NO 113,442-547-74-A
Y22IH 103,968-410-76-A
Y55QH 98,358-463-67-A
Y38UE 96,284-622-42-A
Y31SJ 77,482-298-77-A
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Y22WK 73,125-438-65-A
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Y64XH 22,545-155-45-A
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Y26JU/A 20,988-108-53-A
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Y38YE 10,622-99-28-A
Y42ZH 10,052-88-28-A
Y65KM 9,901-99-33-A
Y42FM 8,954-100-22-A
Y22HF 7,326-86-30-A
Y44WA/P 3,878-90-17-A
Y61OG 3,728-84-23-A
Y22WH 2,982-99-14-A
Y62PM 2,835-39-16-A
Y32EE 2,304-42-16-A
Y64XH 1,911-39-18-A
Y25TM 1,887-33-17-A
Y28DM 1,862-33-14-A
Y71Z/P 1,550-100-10-A
Y48ZD 1,456-31-16-A
Y25MOP 1,280-58-15-A
Y24HB 896-26-14-A
Y26RL 594-26-9-A
Y38GG 140-7-4-A
Y22VI 38,008-190-62-B
Y45LJ 36,388-178-54-B
Y25ML 34,503-211-53-B
Y68TH 34,498-198-56-B
Y68YFP 29,806-189-46-B
Y54TA 19,385-125-45-B
Y41JH 15,414-103-42-B
Y67PN 14,314-123-34-B
Y25PO/P 11,340-110-35-B
Y46C/P 9,867-97-33-B
Y43XE 6,340-95-20-B
Y25DF/P 2,720-43-16-B
Y25AH 1,872-33-16-B
Y24MB 1,320-54-10-B
Y31CN 1,082-18-13-B
Y24CE/A 174-7-6-B
Y25TG 215,870-730-91-C
Y75IN 135,490-512-85-C
Y56ZA 124,800-450-80-C
Y28O/A 115,423-527-77-C
Y23IA 107,756-390-79-C
Y23TL 74,324-328-68-C
Y38ZJ 69,642-281-73-C
Y25J 54,078-244-72-C
Y23VB 45,868-261-49-C
Y71TA 36,250-186-58-C
Y25SQ 31,868-170-52-C
Y25GE 30,854-333-51-C
Y71RA 27,195-182-48-C
Y23HJ 24,274-153-53-C
Y23CM 22,790-142-35-C
Y23GB 20,331-209-27-C
Y79WN 18,610-110-55-C
Y61XM 15,429-128-37-C
Y52ZF 10,184-91-33-C
Y21YA 9,085-99-23-C
Y42YM 8,883-103-27-C
Y23YMA 8,180-125-20-C
Y21CL 6,792-79-24-C
Y23HN 5,827-88-17-C
Y74XG 4,950-43-30-C
Y77YH 2,700-112-15-C
Y37NM 2,236-46-19-C
Y23UE 1,017-59-9-C
Y23JA 900-42-10-C
Y24SH 440-33-5-C
Y48ZL 351-9-9-C
Y24TG 339-12-7-C
Y38YQ 1-1-1-C

Y36I (Y44s TL,X,ZI,ops)
{,314,039-1932-179-D
Y36L (Y26BL,Y33s TL,UL,ops)
,013,235-1722-155-D
Y22YD (+Y24YH,Y25TD)
729,820-1381-140-D
Y39CH (Y39s OH,SH,ZH,ops)
496,188-1034-132-D
Y32CN (Y24NL,Y32s WN,YN,ops)
396,858-975-113-D
Y56CJ (Y24WJ,Y55TJ,ops)
377,194-1087-113-D
Y62CUP (Y82s SI,UI,XI,ops)
364,088-1008-108-D
Y44CN (Y23TN,Y44s SN,ZN,ops)
318,511-905-97-D
Y33CC (Y21BC,Y22C,ops)
305,200-839-109-D
Y43CO (Y21RO,Y43s GO,ZO,ops)
304,408-896-104-D
Y33CJP (Y33s QJ,UJ,WJ,ops)
275,216-777-103-D
Y73SOP (Y21s EA,FA,Y23FA,Y42HA,
Y25QA,ops)
238,104-916-88-D
Y54CO (Y54s NL,TO,ZO,ops)
178,958-705-87-D
Y44CF (Y25OF,Y63YF,ops)
122,048-438-71-D
Y52CE (Y22KE,Y52s DE,TE,ops)
108,799-485-73-D
Y53CNP (Y53s VN,XN,YN,ops)
95,130-421-70-D
Y66CA (Y66s QA,ZA,ops)
83,224-449-58-D
Y49CM (Y49s JM,LM,MM,ops)
56,615-298-65-D
Y33CB (Y33s UB,YB,ZB,ops)
53,280-323-48-D
Y42CB (Y22YB,Y23UB,ops)
52,608-273-64-D
Y72CM (Y72s XM,YM,ZM,ops)
49,242-240-58-D
Y34CC (Y34s TC,UC,YC,ops)
47,840-273-60-D
Y37CE (Y25LE,Y37ZE,ops)
20,852-210-28-D
Y54CE (Y54s SE,VE,ZE,ops)
18,152-150-38-D
Y38CB (Y38s RB,YB,ops)
15,880-135-40-D
Y63CG (Y63s VG,-08-G,ops)
14,171-128-37-D
Y39CL (Y39s UL,ZL,ops)
10,130-113-30-D

Romania

Y05BQ 107,325-425-81-A
Y02AQB 86,190-333-70-A
Y05KLE 56,628-435-52-A
Y02AQB 39,738-291-37-A
Y06ADW 33,239-249-43-A
Y02BLP 11,087-150-31-A
Y02ARF 8,517-133-17-A
Y06BFC 3,840-138-12-A
Y06DIA 143,985-535-87-B
Y03DCO 66,432-300-64-B
Y02LBN 13,784-120-37-B
Y08RVG 5,700-74-25-B
Y08AHX 3,111-53-17-B
Y08DHY 2,785-72-13-B
Y07AOZ 2,385-57-15-B
Y05OAW 2,262-81-13-B
Y09IAB 2,028-83-13-B
Y09FEH 840-30-10-B
Y05OBL 300-33-5-B
Y08EXL 129,108-521-84-C
Y02DFA 117,572-406-91-C
Y03AAQ 29,256-180-53-C
Y02BKK 12,150-147-27-C
Y06VZ 0,556-112-22-C
Y08BPY 2,100-40-15-C
Y09AWV 864-18-15-C
Y08BTY 140-20-5-C
Y08KZD (Y08s CQ,DDP,EB,ops)
428,512-137-112-D
Y08KQX (Y08s QAL,Y08RAX,ops)
3,418-108-14-D

Yugoslavia

YT7M (YU7RU,op)
433,820-1198-113-A
YU2TY 179,802-510-89-A
YU3HR 811,008-1579-128-B
YU2W (YT2FI,op)
772,507-1439-131-B
YU7FT 112,340-405-82-B
YU1ADO 14,805-168-23-B
YU5DC 7,896-117-21-B
YU3EA 607,050-1160-142-C
YU7BJ 574,362-1528-102-C
YU7SF 258,774-641-118-C
YU4BR 215,628-725-84-C
YU5GK 172,304-544-88-C
YU1BM 163,540-538-90-C
YU5GB 142,278-552-72-C
YU3JZ 118,272-327-86-C
YU7KM 49,848-225-62-C
YU3NP 13,050-118-25-C
Y23A (Y23s CT,EF,IN,YU3WF,
4N3BMK,ops)
458,722-1225-101-D
YU4ELI (+ops) 37,131-563-89-D

Malta

9H3KL (HA8UB,op)
477,064-1676-98-A

Zone 29

Kaliningrad

UA2EC 23,850-141-60-C
UA2FU 8,160-56-30-C
UZ2FWN 2,444-96-13-C

European Russian RSFSR

UA3RAR 1,077,072-1727-152-A
RW3AU 400,928-846-134-A
UW4CO 175,360-715-70-A
UA36BW 157,130-459-95-A
UA1WBV 145,029-549-87-A
RA3AD 113,057-369-81-A
UA6JD 84,388-303-68-A
UA3TS 81,218-397-64-A
RA3AO 78,300-483-60-A
RA3VA 65,928-224-82-A
UA3DCZ 65,038-292-71-A
UA3DK 53,858-355-58-A
UA3SFH 52,746-265-59-A
UZ2HC 50,917-503-83-A
RA1QM 44,419-369-43-A
UA3RLZ 42,128-435-42-A
RA3RMV 38,300-279-50-A
RV6LA 38,558-318-39-A
UW6HK 35,130-209-65-A
UA3DJJ 34,743-255-37-A
RA3DJA 28,023-155-52-A
RA3QSU 24,530-128-55-A
UA4LU 23,100-280-39-A
RV6AF 20,540-120-52-A
RW3DD 17,889-109-67-A
UV3QMU 13,734-281-21-A
UA3TAM 12,454-154-26-A
UA1ANA 7,317-89-27-A
UA3MB 820-13-0-A
UA6AD 613,184-1303-134-B
UA3LQ 325,458-855-98-B
RA3ZH 249,324-766-87-B
UA6XT 200,970-675-90-B
UA3RMM 188,245-670-95-B
RW3DW 164,979-581-81-B
RA6LBS 109,798-422-82-B
RW3ZC 98,185-343-73-B
UA4AC 98,900-468-78-B
UA4CC 75,820-324-80-B
RW3ZA 69,615-321-69-B
UA3TN 69,108-258-78-B
UW3ZJ 67,900-322-70-B
UW6LGP 61,391-295-59-B
UA3DNR 55,158-300-58-B
RA3DNC 49,020-305-38-B
UA4AC 40,420-276-47-B
UW6LAP 38,566-223-54-B
UA6EUC 34,144-370-32-B
UA6HON 32,760-351-54-B
RA3TF 26,678-252-38-B
UW3LL 22,103-197-31-B
UA3BSJ 18,352-178-31-B
UA3CS 17,581-287-65-B
UW6LO 18,884-142-36-B
RA1CQ 14,280-153-36-B
UA4LE 13,311-185-27-B
RA4SBV 12,087-254-38-B
UW3DCR 4,355-81-17-B
UA6LTA 2,610-52-15-B
UW3AA 773,924-1427-163-C
RA3ZC 303,105-795-121-C
UZ2AXE (RA6AOS,op)
278,816-778-114-C
UA3YAO 208,280-598-108-C
UA4AGP 205,766-887-94-C
RA4AV 203,500-815-100-C
UA4YR 184,128-645-84-C
UA4CPW 151,128-657-82-C
UA1ANP 144,910-555-88-C
UA1AUA 137,982-583-78-C
RV1AF 133,284-582-77-C
UA6EE 129,184-493-88-C
RA3RN 128,415-365-105-C
UA4AHA 120,480-512-80-C
UW3TU 114,700-497-74-C
UW6PI 107,408-355-112-C
UA3DEW 98,915-458-73-C
RA3PQ 89,391-327-83-C
UW4CU 88,292-343-82-C
UA4YJ 87,872-321-78-C
UA6BJQ 81,055-249-65-C
UW3AO 80,860-370-64-C
UA4FFV 75,880-469-39-C
UA4HJ 75,278-323-69-C
UA4LD 75,228-409-49-C
UA3VLO 72,072-290-77-C
UA6BGL 70,040-270-89-C
UA4OK 67,184-372-58-C
UA1AJ 66,859-413-47-C
UA6EED 66,270-323-61-C
UW2HWS 59,276-332-58-C
RA4AI 58,356-284-72-C
RA1CT 57,688-374-59-C
UA4LAF 57,164-328-62-C
UA4HNP 55,278-303-52-C
UA3ICJ 52,650-303-54-C
UA3TU 50,715-102-105-C
UA3RU 48,850-302-50-C
OK3JA/UA3 42,300-274-45-C
UA4HVW 38,824-352-38-C
UA4ANZ 38,016-172-66-C
UA3AAJ 35,387-300-32-C
UA6HPT 32,780-276-42-C
RA1QZ 32,025-293-35-C
UA3IA 30,855-285-33-C
UA5YF 26,433-306-33-C
UA4SS 24,583-336-31-C
UW6LEC 19,834-180-47-C

UA6LAK 15,490-261-31-C
UW4SA 15,300-119-34-C
UA3BK 12,800-167-40-C
UW6LIE 12,258-145-46-C
UW6LDP 5,180-43-28-C
RA6LE 3,736-52-21-C
UW6LIP 565-65-5-C
UW6AGF 165-15-5-C
UZ1AWT (UA1ALZ,UW1AE,UV1AA,
UA1-169-100,ops)
1,183,812-1670-166-D
US4P (RA4PO,UA4s PBX,PO,QM,RL,RZ,
-094-152,-094-883,K7s RA,UDG,ZR,
KE7V,W7R7Q,ops)
1,070,740-1940-187-D
UZ4CYJ (+ops)
724,128-1322-152-D
UZ3EWD (RA3EA,UA3s EDQ,EKG,EJK,
UA3-147s 386,389,421,ops)
513,790-1209-130-D
UZ6LWA (UA6LT,UW6NU,ops)
464,116-1266-116-D
UZ1TWB (RA1TE,UA1s TAF,UM,ops)
493,948-1239-116-D
UZ1AWO (+ops)
438,518-1107-119-D
UZ6HXK (UA6-108s 1838,1870,1874,ops)
424,731-1053-93-D
UZ9HWA (RA6HT,UA6s HRZ,HSV,ops)
410,034-1168-111-D
UZ6LWU (UA6s LCW,-150-1092,
-150-1415,ops)
399,726-1170-108-D
UZ4FWA (UA4FZ,UA4-148s 363,
466,481,ops)
374,256-1017-119-D
UZ3XWC (UA3-127s 565,577,578,ops)
260,458-911-88-C
UZ2TWO (+ops)
276,992-371-42-D
UZ4FWZ (+ops)
246,776-645-109-D
RZ6LXN (RW6s LP,LQ,UZ28L,ops)
199,236-598-98-D
UZ4LWZ (+ops)
180,732-721-82-D
UZ4YWY (+ops)
170,786-683-77-D
RA3AF3 (UA6BHF,UA6A-158-876,ops)
163,350-580-75-D
UZ3RWM (RW3RV,UA3RPL,ops)
157,788-668-82-D
UZ3DWX (+UA3-170-998)
118,820-388-90-D
UZ3MWA (U3MA,UA3s MDL,MES,ops)
107,599-417-77-D
UZ6LWB (RA6LW,UA6RS,UA6-150s
1344,-1443,ops)
96,720-462-78-D
UZ3DWH (UA3s DVB,-142-610,ops)
71,253-307-83-D
UZ3YXP (UA3s YFO,-118-152,118
-478,ops)
70,800-308-60-D
UZ4AYN (+ops)
53,400-457-40-D
UZ4PWY (+ops)
37,349-339-47-D
UZ3TWN (UW3TX,UA3-122-1258,ops)
21,238-54-54-D
UZ3LWF (UA3s LID,LGN,-155-581,ops)
18,873-270-27-D

Ukraine

RB5IM 1,177,405-1648-181-A
RB4IRO 495,180-1214-128-A
RB5CGN 361,880-782-120-A
RB5FAN 174,000-708-75-A
UV5TE 149,234-588-89-A
RB5MLP 130,464-425-96-A
RB4JDM 123,878-792-48-A
UA6IF 84,864-399-52-A
RB4UM 79,295-435-67-A
RB5HDQ 79,294-300-63-A
RB5EQA 78,480-308-80-A
RB5Q 73,432-312-87-A
UB4AR 64,180-499-40-A
UB8MZ 62,144-253-64-A
RB5IU 47,920-181-80-A
RB5IEH 41,684-254-49-A
RB5CDX 40,088-221-56-A
RB5IF 35,448-270-37-A
RB5EVN 34,695-271-45-A
RB5CL 29,428-287-39-A
RB5IKY 24,192-118-54-A
UB5CCP 18,370-102-55-A
UB5AJP 15,840-131-36-A
RB5NK 8,228-127-27-A
UB8QZ 1,411-40-17-A
RB5MT 1,473,342-2184-189-B
RB5FT 1,311,389-1910-177-B
RB5DX 810,968-1384-134-B
RB5EAZ 291,665-1002-93-B
UB5VT 234,270-819-90-B
UB5MDD 146,700-750-80-B
UV5IF 70,224-440-58-B
UB5CBB 53,380-305-58-B
UB5BCX 34,858-274-54-B
RB5TK 33,345-258-45-B
UB4JO 32,298-254-42-B
RB5ICY 26,714-234-36-B
UB4ED 19,280-194-30-B
UB5IKN 18,540-200-30-B
UB4LFP 15,776-136-32-B
UB5ZHQ 4,178-72-18-B
UB5SEL 780-32-10-B

RB5GW 686,424-1392-14
RB5CF 493,107-1225-12
RB5SIAN 300,584-845-11
UB5IOM 279,748-864-10
UB5LF 263,463-691-11
RB4JF 256,641-805-10
UB5JCF 214,840-751-8
UB5QBC 210,780-665-6
UB5PAG 154,468-599-9
UT4UN 134,421-343-11
UB4LAA 111,311-499-7
UB5AFG 99,840-488-6
UB5EF 96,633-413-8
UV5Z 89,131-277-8
UB5CG 86,760-516-6
RB5UE 75,150-340-7
UB5MTM 70,380-322-4
UB5PAN 70,200-426-3
UB53MP 69,860-315-7
UB5HQ 62,090-293-6
UB5EOB 60,770-288-5
UB4AO 58,451-283-5
UB4X 56,808-200-7
UB5TN 52,984-198-7
UB5OV 52,458-374-4
UB4LAT 51,744-253-5
RB5MU 49,408-222-8
UB5ZFN 49,077-207-4
RB5FT 47,034-295-5
UB5BCJ 46,280-890-5
UB5JNW 42,330-419-3
UB5EEP 38,205-277-4
UB5EA 32,802-290-3
UB4JL 32,457-292-3
UB5XCU 30,852-257-3
UB5JS 29,018-302-3
UB5SB 28,880-253-4
UV5WA 24,828-258-3
UB5FCN 23,470-311-3
UB5QBF 22,194-291-4
UB5REF 21,898-282-3
UT6LF 14,819-115-3
UB5DCD 12,914-285-2
UB4IM 9,044-81-2
UB5LFG 5,188-92-17
UB5VK 3,024-72-18
UB5NCD 1,848-34-13
UB4JW 708-74-6
UB5SBR 520-17-8
RB5M (RB4s MB,MC,RB5s MA,MP,
UB4ML,UB5s MDA,MDN,-059-12,op)
2,774,778-3477-382
UB3IWA (UB5s IFZ,IML,LOK,ops)
2,319,848-2819-219
UT4UXW (UT3UA,UT4UT,UT5UGR,
1,724,020-2552-195
UB4CWW (RB5s CB,CQ,CW,UB5s (-
-080-70,ops)
1,292,581-2452-157
UB4WZA (UB5WXC,UB5-088s 995,9
997,998,ops) 702,190-1352-142
UB4AWW (UB5s AEM,AFM,ops)
499,348-1310-124
UB5ILK (RB5s IU,IKY,UB5INO,ops)
416,919-1113-111
UB4FWC (+UB5FV)
295,785-1020-105
UB4MXR (UB4s MLD,MLP,UB5MYK
218,925-899-105
UB4QYA (+ops)
183,722-788-77
UB4FXX (RB5FK,UB5s FEO,
-070-433,ops)
149,789-874-73
UB4LWY (UB4LR,UB5-077s 1880,
2252,ops) 143,673-488-83
RB4MYC (UB5s MAA,MFC,ops)
141,805-407-79
UB4WVC (+ops)
100,711-558-61
UB4VZR (+ops)
76,180-355-69
RB5EXN (+ops)
61,712-369-58
UB4RWO (UB5s RCL,HCU,-081-802,
37,728-238-94
RB5XQ (UB5s XCA,XCU,ops)
34,817-310-37
RB4FYJ (RB5QD,UB5-073s 3972,
4284,ops) 21,361-255-46
UB4JXB (+ops)
20,933-288-43

Byelorussia

RC2AZ 633,500-1383-140
RC2CR 92,582-516-49
UC2AB 78,020-363-60
UC2AJE 97,370-276-37
UC2AHZ 27,778-288-52
UC2AI 84,194-288-26
UC2OS 254,560-736-107
RC2AU 137,381-632-79
UC2AS 43,164-355-33
UC2AT 32,384-134-58
UC2AT 16,699-143-36
UC2OT 482-40-7
UC1OWA (+ops)
2,858,512-3693-214
UC1LWN (+ops)
305,704-1067-103
UC1WXE (+ops)
12,544-216-28

rbaijan			
KJK	173,583-	453-	81- C
KW	68,742-	320-	57- C
rgia			
2R	202,350-	588-	71- B
FH	18,110-	139-	30- B
erina			
3Q	363,225-	1415-	75- C
davia			
JW	108,896-	412-	66- A
JA	71,001-	318-	63- A
DN	65,892-	406-	57- A
uania			
JU	298,120-	777-	110- A
3Q	95,036-	567-	46- A
JM	70,512-	335-	68- A
3NC	61,842-	578-	37- A
3KT	44,505-	423-	43- A
3DN	23,820-	124-	5- A
3BM	384-	18-	6- A
3H	270,684-	771-	103- B
3QQ	73,281-	407-	61- B
3R	67,118-	334-	74- B
3D	31,836-	232-	42- B
3Z	112,770-	473-	70- C
3FO	72,543-	311-	73- C
3B	6,164-	68-	23- C
3WV (UP2s BA, BIJ, BMW, BO, BRP, -038-1162, UVR9CF, ops)	1,530,855-	2273-	185- D
3WR (RP25JT, UZ2BL, ops)	184,628-	541-	102- D
3ZR (+ ops)	67,575-	315-	75- D
na			
3D	1,085,700-	1883-	153- A
3R	63,570-	364-	65- A
3HB	43,493-	224-	61- A
3P	5,278-	41-	29- A
3TF	56-	8-	4- A
3CV	90,335-	285-	98- C
3MB	66,704-	368-	72- C
3EO	52,542-	421-	42- C
3EC	44,574-	306-	51- C
3N	11,888-	140-	24- C
N (UQ2s GAG, GJR, GOU, -037-83, -116, ops)	2,537,280-	3373-	192- D
A (RQ2GN, UQ2s GKL, GID, GM, ops)	1,806,080-	2739-	170- D
JWW (+ ops)	313,710-	1205-	110- D
3XJ (+ UQ2-037-221)	120,080-	518-	69- D
nia			
RND	243,504-	666-	114- C
RD	5,126-	112-	22- C
RWL (+ ops)	123,000-	577-	75- D
RWQ (UR2-083s 1081, 1082, ops)	79,857-	428-	57- D
ie 30			
open Russian RSFSR			
IRZ	43,950-	237-	50- A
IC	244,316-	640-	103- C
NAM	61,932-	378-	39- C
NAD	28,830-	217-	30- C
NWY (RW4s WR, WZ, UA4s WAW, /ops)	353,312-	870-	122- D
itic RSFSR			
CDV	165,598-	553-	64- A
CBO	68,620-	180-	94- A
3G	55,814-	327-	43- A
IZ	26,334-	129-	57- A
IT	17,284-	86-	52- A
2A	405,682-	868-	106- B
QA	404,992-	817-	112- B
AB	244,984-	560-	94- B
3N	73,514-	272-	59- B
IG	41,107-	247-	37- B
SG	22,392-	141-	36- B
IR	6,960-	100-	15- B
VD	653,012-	1235-	118- C
CP	458,940-	945-	110- C
NB	376,110-	808-	105- C
ZZ	192,465-	493-	73- C
3CU	147,064-	523-	62- C
3GL	107,778-	369-	71- C
3BR	95,820-	353-	60- C
3M	87,178-	283-	68- C
3FV	55,830-	391-	30- C
3KS	43,719-	225-	39- C
CZ	34,891-	217-	37- C
3HU	25,628-	354-	40- C
FAZUA9G	24,140-	301-	20- C
VZZ	2,420-	41-	20- C
AFV	672-	20-	7- C
NWB (UA9s WPI, WQK, UV9WR, -084s 153s, 1539, ops)	445,094-	871-	108- D
C (+ ops)	399,100-	877-	100- D
LYN (UA9-165s 1836, 1841, 1842, -1, 1852, ops)	132,930-	436-	76- D

UZ9CWF (UV9CAG, UA9-154s 1198, 1220, ops)			
UZ9AXX (+ ops)	19,412-	179-	23- D
UZ9BXX (+ ops)	12,808-	331-	28- D
Uzbekistan			
RIBAB	543,358-	1133-	108- B
UIBZAA	178,228-	565-	88- B
UIBDAQ	249,600-	795-	65- C
UIBBAA	90,915-	235-	87- C
RIBBN	84,240-	582-	30- C
Tadzhikistan			
UJ8KA	75,759-	283-	59- A
UJ8JME	17,498-	165-	24- A
UJ8JCM	457,520-	1087-	95- B
UJ8JA	584,084-	1157-	108- C
Kazakhstan			
RL7AE	51,537-	281-	41- A
RL7PEO	96,822-	399-	54- B
RL7I/RA9SB	58,803-	270-	51- B
UL7OBA	47,926-	338-	30- B
UL7OBH	11,858-	103-	21- B
RL7AB	1,105,247-	1853-	131- C
UL7MU	554,082-	1162-	106- C
UL7BN	317,191-	692-	113- C
UL8/UL9/SWO	46,001-	330-	31- C
RL8PYL (UL7s PCZ, FL, RL8s PY, PZ, ops)	1,438,898-	1942-	178- D
UL8LYA (UL7s LEG, LO, -028-177, ops)	1,139,848-	1973-	122- D
UL8CWW (UL7s CAA, CC, CT, ops)	741,831-	1484-	107- D
UL8RWR (UL7s RE, RFR, -178-5, -178-15, -178-18, ops)	35,019-	265-	27- D
Kirghizia			
UM8MAU	23,825-	209-	25- B
Zone 31			
Asiatic RSFSR			
RZ9UA	1,102,188-	1562-	159- A
UW9PW	32,650-	153-	50- C
UZ9HYN (+ ops)	902,421-	1711-	117- D
Kazakhstan			
UL7JW	553,110-	1187-	103- C
UL8BV	213,476-	610-	83- C
UL8FWA (RL7s FGP, FGV, UL7FCP, ops)	44,157-	256-	41- D
UL8GWK (UL7GAL, UL8s GDM, -190-088, ops)	11,946-	179-	22- D
Kirghizia			
RW3QA/RM3M	211,487-	775-	61- A
RM1M/UW3QD	52,777-	300-	39- A
UM8MBA	61,576-	310-	43- C
UM9MZA (+ ops)	56,975-	299-	43- D
Zone 32			
Asiatic RSFSR			
UA8TO	1,008,432-	1711-	141- A
RA8SK	63,140-	270-	55- A
UA8SR	532,158-	1254-	114- B
UA8SU	47,435-	214-	53- B
UA8SAU	732,530-	1196-	139- C
UBAL	153,328-	805-	58- C
UA8SY	105,630-	158-	42- C
RW8AM	63,140-	288-	82- C
UZ8AXX (UA8s AFC, AGI, AMA, ANW, -103-73, 103-267, ops)	1,268,628-	1714-	183- D
UA8T/UZ4FWO (RA3FB, UA3RZ, UA4s FAD, -149-677, -149-669, ops)	870,247-	1688-	119- D
UZ8WWR (+ ops)	69,339-	373-	39- D
Zone 33			
Asiatic RSFSR			
UA8JAG	80,703-	313-	61- A
UA8JB	48,195-	371-	27- C
RA8JD	28,156-	133-	52- C
RA8JIR	24,808-	219-	28- C
UZ8DWD (RA8DAG, UA8s -111-1, -111-8, ops)	88,808-	349-	68- D
Zone 34			
Asiatic RSFSR			
RA8LDX	574,893-	1459-	99- A
UA8FF	238,329-	806-	91- B
UN8LAP	125,400-	766-	38- B
UN8LT	1,250,212-	1830-	173- C
UA8LH	207,710-	953-	89- C
UA8LJ	80,736-	334-	58- C
UA8IBB	15,325-	172-	25- C
UW8FP	7,878-	83-	26- C
UW8CP	3,315-	51-	15- C

R8C (RW8CA, UA8s CDX, CU, UW8s CA, CN, CW, ops)			
UZ8LWK (UW8s LCN, LDU, ops)	1,411,580-	1996-	163- D
UZ8LWX (+ ops)	7,521-	107-	23- D
Zone 35			
Asiatic RSFSR			
UA8ADD	185,840-	474-	92- B
UA8ZCL	25,740-	172-	36- B
UA8ZDA	19,803-	157-	69- C
Zone 36			
Madeira Islands			
CU2BR	764,804-	1584-	134- A
Canary Islands			
EAB8D	31,383-	203-	33- B
EAB8A	345,802-	937-	74- C
EAB8BG	18,150-	190-	17- C
Zone 37			
Portugal			
CT1BBJ	23,576-	240-	28- B
CT1CF	18,834-	121-	31- B
CT1BWW	15,381-	160-	51- B
CR5CQK (CT1CQK, op)	6,153-	77-	21- B
CR5NH (CT1BOH, op)	827,480-	1810-	137- C
CR8CWT	44,520-	229-	53- C
Spain			
EAB2R	21,285-	133-	43- A
EAB4K	862,240-	532-	44- B
EAB5CPH	36,660-	167-	52- B
EAB5DT	36,120-	161-	58- B
EAB7BYM	23,500-	148-	47- B
EAB5JC	17,974-	98-	43- B
EAB1AHA	12,121-	117-	31- B
EAB7GHB	2,018-	40-	14- B
EABEHQ	1,694-	49-	11- B
EAB7CA	57,568-	288-	56- C
EAB7AAW (+ ops)	10,583-	183-	19- C
EC7DMU	2,988-	77-	12- C
EAB7V	480-	12-	8- C
EAB2SJ (+ EA2s CFZ, CGA)	1,130-	37-	10- D
Balearic Islands			
EC8PG	23,985-	183-	39- A
Zone 39			
Jordan			
JY9SR	53,218-	495-	22- A
JY9LC	68,024-	368-	44- B
Cyprus			
C48A (5B4MF, op)	1,618,871-	2293-	151- B
Zone 41			
India			
AT8T	73,374-	393-	42- B
Zone 44			
China			
BY8RF (+ ops)	59,046-	398-	39- D
Hong Kong			
V88BG	821,500-	1499-	124- C
Zone 45			
Japan			
JG3KT	275,238-	775-	79- A
JE7WB/1	260,178-	508-	103- A
JE32FS	254,127-	625-	87- A
JH4UTP	178,984-	408-	104- A
JH4NMT	129,978-	360-	83- A
JA8BSL/1	110,400-	330-	75- A
JA8BMS/1	64,501-	301-	53- A
JA8BPY/8	58,408-	228-	58- A
JA7DOT	56,808-	216-	81- A
JH1WBG	55,650-	270-	53- A
JA1BUJ	44,288-	158-	84- A
JH1PGO	40,520-	124-	80- A
JE7JTP	23,405-	191-	31- A
JO1CRA	10,452-	53-	52- A
JM1NKT	8,978-	94-	24- A
JR2IGV	5,538-	58-	26- A
JA9RYL	4,515-	47-	41- A
JH1UTP/1	2,380-	36-	17- A
JA1AAT	1,598-	25-	14- A
JR1GSE	167,090-	470-	77- B
JA7NVF	126,228-	408-	87- B
JH1UUT	55,408-	199-	87- B
JE7DOT	54,117-	212-	63- B
JL1MWI	41,930-	256-	35- B
JA4DUD	28,600-	118-	54- B
JP1SRG	18,138-	103-	39- B
JA8AD	17,625-	155-	25- B
JA7JH	13,885-	81-	35- B
JA2YL	12,731-	103-	29- B
JH4UHW	11,880-	114-	22- B

JA6EFT	10,125-	85-	27- B
JAZBEY	9,800-	66-	35- B
JR7LVK	9,048-	83-	29- B
JARONH	8,175-	71-	25- B
JABAW	8,118-	64-	23- B
JR1TFR	5,875-	49-	25- B
JASEO	5,375-	53-	25- B
JABAJ	3,122-	47-	14- B
JA1JLP	2,518-	30-	17- B
JA1XPU	2,348-	34-	17- B
JA3HPD	2,337-	27-	19- B
JA3FZJ	1,648-	25-	18- B
JH1RMH	1,558-	20-	19- B
JAZJEG	1,458-	29-	18- B
JH2WHS	1,440-	26-	18- B
JR1MRG	1,391-	25-	13- B
JO1MCC	910-	18-	13- B
JR3KAH	640-	16-	10- B
JA1QE	540-	12-	9- B
JH9CAV	365-	13-	6- B
JR1GAV	135-	11-	3- B
JH7WQK	710,840-	1248-	126- C
JA1NUT	489,800-	1002-	105- C
JR1JUV	484,596-	947-	108- C
JA8DAJ	445,380-	750-	130- C
JA8CWT	282,816-	644-	96- C
JR3BOT	237,180-	746-	67- C
JR7OMD/2	208,125-	428-	111- C
JE1CKA	188,828-	482-	98- C
JF3GKE	174,760-	554-	68- C
JA1BNW	167,180-	448-	84- C
JH1YDT (JO1DL, op)	161,084-	479-	77- C
JA8NCE	108,792-	337-	72- C
JA8T5I	104,842-	266-	89- C
JH4JNG	98,454-	362-	61- C
JG2CZL	98,388-	355-	64- C
JE4VRF	80,582-	254-	73- C
JA2NPF	79,950-	253-	82- C
JA3ARM	65,880-	214-	74- C
JA1WYQ	48,251-	173-	61- C
JA4ETH	48,188-	369-	28- C
JR4ISK	41,470-	183-	58- C
JA9YE	28,755-	106-	71- C
JA1KFX	23,114-	203-	28- C
JO1QZI	22,724-	105-	52- C
JA1GAD	21,935-	117-	41- C
JA2KPV	13,202-	176-	41- C
JA8AJE	12,362-	84-	32- C
JA8HBO	9,090-	69-	30- C
JN1MKZ/2	7,890-	83-	30- C
JA1OP	5,957-	55-	23- C
JA8GVS	3,560-	40-	20- C
JG1BPS	2,865-	40-	17- C
JH1PXY	2,090-	24-	19- C
JA8GZ	1,428-	18-	17- C
J12AAF (W1END			