

1998 IARU HF World Championship Results

Summertime contests are...different. Absorption creates difficult propagation, sporadic E can occur at any time, and summer thunderstorms present a special challenge to operation on the lower frequency bands. Squeeze in vacation time and trips to the beaches in the Northern Hemisphere. Sprinkle in cold winter nights south of the equator, and you find a number of challenges to be conquered. Nevertheless, once again the IARU HF Championship proved to be one of the most popular worldwide contests, attracting over 1300 entries from most of the IARU zones across the globe.

Three different continents produced champions this year. The place to be during this year's running appears to have been Cyprus (5B). The top finishers in the CW and Multiop categories hailed from that Mediterranean island, as well as two more Top Ten Phone stations and another Top Ten Multi-op station. Congratulations to world winners in Mixed Mode DL6FBL; Phone Only 5X1T (ON6TT op); CW Only C4A (5B4ADA op); and Multiop H2ØA. Kudos to 5B4ADA operating C4A who set a new IARU HF World Championship CW Only record with 2,768,640 points, shattering the old record by over 715,000 points. A special acknowledgement goes to LT1F who also shattered the old mark but fell 240,000 points off the torrid pace set at C4A.

On the W/VE side, Top Ten stations appeared from several regions, with Canadian XJ3EJ (VE3EJ op) placing third worldwide in the Mixed Mode category as well as taking top W/VE honors in that category. John also set a new Mixed Mode W/VE record of 2,137,960 which shattered the mark he set last year by 369,000 points. K5TR (at W5KFT) paced the Phone Only scores for W/VE while establishing a new record for the category. K5ZD led the way for CW Only and became the first W/VE to break the 2 million point barrier for that category. In one of the tightest finishes in quite a while the gang operating WU4G edged out the crew at N3BB to take the top Multioperator W/VE championship, even though both surpassed the old W/VE record set in 1992. Top Ten finishes are seen from many areas of the US and Canada as the multiplier

Top World Scores

Mixed Mode

Call	Score
DL6FBL	2,277,587
EA3/OH2BYS	2,268,344
XJ3EJ	2,137,960
(VE3EJ,op)	
EA3KU	1,895,517
WP2Z	1,833,349
(AG8L,op)	
W3LPL	1,826,140
(KE3Q,op)	
YT1AD	1,771,308
K3ZO	1,766,336
KQ2M	1,711,300
UA3RAR	1,615,866

Phone Only

Call	Score
5X1T	2,583,504
(ON6TT,op)	
4X2F	2,450,553
(4Z5JK,op)	
C4ØM	2,415,276
(5B4AFM,op)	
P3P	1,815,220
(5B4LP,op)	
IR6F	1,538,604
(IK6BOB,op)	
S5ØA	1,530,675
H22H	1,456,218
(5B4MF,op)	
UT7DX	1,418,178
UXØMM	1,374,478
K5TR	1,314,423
(at W5KFT)	

CW Only

Call	Score
C4A	2,768,640
(5B4ADA,op)	
LT1F	2,528,524
K5ZD	2,067,062
W4AN	1,846,678
8PØV	1,832,272
6Y6A	1,539,825
K1TO	1,509,567
9A7A	1,497,890
IR2W	1,448,160
(I2VXJ,op)	
9A9A	1,387,800

Multioperator

Call	Score
H2ØA	5,481,752
P3A	5,451,576
HG6N	3,560,270
HG1S	2,938,880
RZ9AZA	2,553,657
IR4T	2,550,000
EW5Ø	2,495,080
HC8A	2,417,415
RK3AWL	2,266,250
RZ3Q	2,184,744

Top W/VE Scores

Mixed Mode

Call	Score
XJ3EJ	2,137,960
(VE3EJ,op)	
W3LPL	1,826,140
(KE3Q,op)	
K3ZO	1,766,336
KQ2M	1,711,300
XK7SZ	1,329,482
(VE7NTT,op)	
N9AG	1,271,160
(at N8NR)	
W3GH	1,001,472
(KB3AFT,op)	

Phone Only

Call	Score
K5TR	1,314,423
(at W5KFT)	
WB9Z	1,069,328
N2QT	807,048
W7NN	762,246
VE1JX	659,664
(K6HNZ,op)	
N4UH	645,507
N2TX	604,044
WS1A	576,600
N6WLX	521,572
KQ3V	518,140

CW Only

Call	Score
K5ZD	2,067,062
W4AN	1,846,678
K1TO	1,509,567
N2IC	1,246,138
VO1MP	1,149,480
AA3B	1,060,514
KT3Y	958,433
WC4E	933,282
K9IG	921,225
K7SV	874,412

Multioperator

Call	Score
WU4G	1,796,005
N3BB	1,792,036
K5MR	1,599,442
N1BB	1,442,721
K8AZ	1,420,212
K8CC	1,398,600
W4PA	1,344,525
K2LE	1,173,879
K3EST	969,246
K5NZ	950,544

structure of the contest tends to level the playing field for entrants from all across North America.

For the Headquarters stations, there was



The UX3M team: (clockwise from back left) included UR5MTA, UR3MC, UR5MAW, UR5MTJ, UR7MR, UR5MNL and UR3MP.

DAØHQ, and then there was the rest of the pack. While their 11,110,944 points did not set a new HQ station record, it was good enough to distance themselves from the two runner-up stations; 12,568 QSOs and 377 multipliers under *any* condition is outstanding. OL8HQ took second place among the 34 HQ stations and IARU officials on the air for the event.

As in most competitive endeavors, that which is not prohibited under the rules is permitted. Rules for this contest are different from most others. There is no 500-meter circle rule for multiops, something that HQ stations and certain other multiops have used to their advantage. While there is a band change limitation for multiops, there has not been a mode change rule. This has allowed multiops in some jurisdictions to alternate CW and phone contacts on a single band—a great advantage over those who operated under the traditional rules. However, look for a rule change in 1999 requiring band and/or mode changes to be made under the 10-minute rule. It's hard to imagine how simultaneous transmissions, which aren't permitted under the rules except for HQ stations, are prevented with a combination of split site

IARU Headquarters Stations

DA0HQ (DF8XC, DJ7AA, DK3WW, DK4WA, DK7YY, DK8YY, DL1AOB, DL1AQQ, DL1ASA, DL1AWI, DL1AWD, DL1AUZ, DL1DTL, DL1VDL, DL2KUW, DL2OBF, DL2OE, DL2SAX, DL3ABL, DL3ALI, DL3APO, DL3DX, DL3OI, DL3TD, DL4ALB, DL5MX, DL5XU, DL5YY, DL6MHW, DL6MYL, DL7AU, DL7BY, DL7IO, DL7IQ, DL7VOA, DL7VRO, DL7UBA, DL7URH, DL7UTM, DL8AKA, DL8ALU, DL9AUA, DL8WAA, DL9AWI, YB1AQS, ops)	11,110,944	12568	377
OL8HQ (OK1ADM, OK1AEZ, OK1AU, OK1AXB, OK1CF, OK1CM, OK1CW, OK1DIG, OK1DNR, OK1FAU, OK1F, OK1FLM, OK1FUA, OK1GW, OK1HSK, OK1MD, OK1MD, OK1MR, OK1RI, OK1RR, OK1TA, OK1TC, OK1TN, OK2FD, OK2PAY, OK1RZ, OK1RZ, OK1ZU, ops)	10,059,626	10658	361
OM8HQ (OM8AA, OM8AU, OM2TW, OM3EI, OM5RW, OM5ZW, OM5RM, OM5DP, OM5MZ, OM3BH, OM6NM, OM1KM, OM3RG, OM3NA, OM5DX, OM2RA, OM3RM, OM3LU, OM3EA, OM8AM, OM8AW, OM3DX, OM3CD, OM5MB, OM5NA, OM3JW, OM5FM, OM5MF, ops)	9,490,357	9199	349
NU1AW (+K1CC, K1KI, K1RO, K1ZZ, N1RL, W1WEF, KM1P, K2KQ, K5FUV, N6BV, ops)	8,800,871	7871	317
R3HQ/6 (UA3AGW, RA4AJF/6, UA6AF, UA6AN, UA6AA, UA6AHF, UA6LO, UA6LU, UA6LV, UA6LFQ, UT6IZ, RA6AX, RA6CM, RA6CO, RA6YY, RA6YDX, RN6BN, RN6LG, RU6AB, RU6LG, RV6ASU, RV6LNA, RV6YY, RV6YZ, RW6YY, RX6BA, RZ6AZ, ops)	8,509,481	7736	347
HG5NHQ	8,065,008	7960	336
P40HQ (P43E, P43P, P43T, P43W, P49V, ops)	7,559,682	6340	247
YU0HQ (YU7AU, YU7AV, YU7AX, YU7BCL, YU7BJ, YU7BW, YU7CB, YU7CM, YU7FN, YU7JX, YU7KW, YU7GO, YU7GW, YU7NU, YU7NWW, YU7OA, YU7YA, YU7YG, YT7KF, YT7TY, YZ7AA, YZ7UN, 4N7EA, 4N7CA, 4N7DW, 4N7TW, 4N7ZZ, ops)	7,421,865	7872	341
YP0A	6,798,208	8434	346
PA6HQ (PA3REC, PA3EPD, PA3ELV, PA3BSQ, PA3FVW, PA3ALK, PA3BAG, PA3CMG, PA3GZX, PE1LAU, PB0ALB, PE1ALV, PA0LFE, PA0VHA, PA3FWG, PA1DF8M, PA1HA1AG, PA3BBP, PA3BTH, PA3CAL, PA3DMH, PA3ELD, PA3EWP, PA3FDO, PA3FQA, PA3GBQ, PB0AIC, PE1PZS, ops)	6,663,457	7187	313
LY60RMD (LY1BA, LY1BW, LY1DL, LY1DT, LY1DQ, LY1FF, LY2BIL, LY2BKF, LY2BT, LY2HM, LY2IJ, LY2KW, LY2PAJ, LY2PX, LY3JY, LY3MM, LY3NFW, LY4CW, ops)	6,411,333	6107	321
EM5HQ	6,086,430	6028	315
ER7A (US0ZZ, US7ZM, ER5WU, ER5OK, ER5DX, UX3FW, UX0FF, ER3DX, ER3OO, ER1LV, ER5AA, ER5AL, ER1DA, UR5FD, ER1OO, ops)	5,798,355	5781	305
W1AW/0 (K2VV, K4MA, K4VX, K9PG, AG9A, W9WI, W9WW, N9JF, W9QA, K9BGL, W0AII, N0SS, NS0B, N0NX, KK0DX, K0BJ, K0LL, K0CA, ops)	4,905,719	6832	259
GB5HQ (GM3WOJ, GM4FDM, GM4YXI, GM0NAI, ops)	3,467,360	4053	260
OH3X (OH1KAG, OH3HEI, OH3LQK, OH3MEP, OH3MMF, OH3MMH, OH3MYD, OH3RB, OH3RM, OH3WW, ops)	2,904,552	3823	238
OZ7D (OZ1BOH, OZ1FTU, OZ1IVA, OZ1JSH, OZ1KRF, OZ1RH, OZ3W, OZ5ABD, OZ5LH, ops)	2,500,165	3129	235
ES9A (ES5MC, ES5MG, ES5QX, ES5RN, ES5RW, ES5RY, ES4TG, ops)	1,969,605	3142	207
L77E (LU4DXU, op)	1,043,152	1267	176
LU2AH	1,010,244	1300	174
SK0HQ/SK3HQ (SM0HQ, SM0JSM, SM0KCO, SM0TX, SM3CER, SM3DMP, ops)	908,222	2769	203
EA4URE (EA4BPJ, EA4BT, EA4ECF, EA4ET, EB4EPJ, ops)	711,604	1598	146
TF3IRA (TF3HP, TF3GB, TF3DX, N6HR/TF, ops)	499,849	1493	101
PA0LOU	398,780	750	157
SV1SV	229,174	747	121
8J3JHQ (JA3MAU, JH3ERW, JH3JWR, JI3ERI, JJ3WPF, KJ3RXY, JL3MHD, JL3NEY, JE2PMC, JG2ONT, ops)	120,963	1203	61
W4RA	87,912	258	99
BV2Y (BV2TA, BV3FG, BV4ME, ops)	74,574	412	54
HC2EE	56,745	191	65
4Z1GY	54,355	334	35
OE1XHQ (OE1JNB, OE1TKW, ops)	41,108	168	86
VU2UR	29,810	144	55
VK3ADW	1,560	24	20
W1RU	1,356	25	12



The smiling faces of the second place W/VE multioperator group at N3BB included (clockwise from back left) N3BB, K5NA, WD5N, N5ZC and AB5EB.

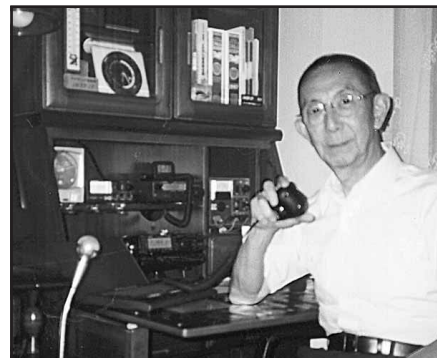
and same band different mode operation.

With help from N6AA, N6TR and N6TW, log checking is much improved this year. Most competitors will find their scores reduced from their submitted claimed scores. The more extensive log-checking was able to identify numerous busted calls and exchanges, and also pinned down many of the dreaded "not in logs." Many thanks to the volunteers who assisted with developing the more sophisticated log checking software. Their efforts have helped level the playing field even more, making the contest more competitive and fair for all participants.

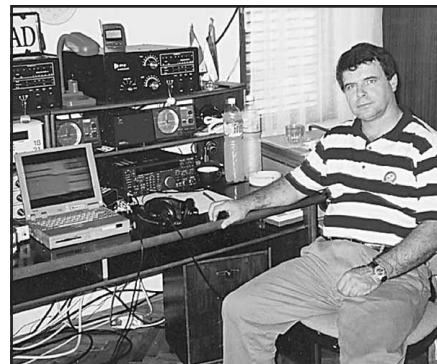
One additional rule change will affect the 1999 IARU HF World Championship, which is scheduled to be contested July 10 – 11. Beginning in 1999, **all logs that are contenders for certificates or Top Ten rankings must be submitted in digital format conforming to ARRL specifications.** E-mail submissions to iaruhf@arrl.org are preferred. Also starting in 1999 any paper entry which was logged on a computer must include a copy of the log files or it will become a check log. Submissions on 3.5-inch floppy disk are also acceptable. You need to include the required summary sheet file and the log files generated by your logging program. Participants outside the US should use air mail for their entries, as many entries postmarked in time actually arrived in December, after a considerable amount of log processing was already completed. Entries must be post-marked or e-mailed no later than 30 days after the end of the contest.

Remember it is the responsibility of the participants to keep up-to-date on rule changes and log requirements. The rules are published in *QST* before the contest as well as at the ARRL Contest Branch homepage on the Web. By visiting <http://www.arrl.org/contests> you can access all of the forms, rules, and log sheets re-

quired for any ARRL contest. Make sure you read the "General Rules for all ARRL Contests" as these contain the specific requirements for log submissions. If you have specific contest rules or inquiries, you can e-mail me at n1nd@arrl.org, or call or write to the phone and address in the front of each issue of *QST*. Good luck and see you in the IARU HF World Championships July 10-11!



JH3PJP putting Zone 45 on the air in the Phone Only category.



YT1AD with this station finished 7th worldwide in the Mixed-Mode category.

Scores

Scores are listed by ITU Zone and then by country, ARRL Section or Canadian Province within the zone. Line scores indicate call sign, final score, QSOs, multipliers, and entry class (A = single operator, B = single operator phone only. C = single operator CW only, D = multiplieroperator, single transmitter).

Table of scores organized by ITU Zone (Zone 1 to Zone 14) and then by country or province. Each entry includes call sign, final score, QSOs, multipliers, and entry class. Includes sub-sections for Eastern Washington, Idaho, Montana, Nevada, Utah, Western Washington, New Mexico, North Texas, Oklahoma, South Texas, Wyoming, Illinois, Indiana, Kentucky, Alabama, Georgia, North Carolina, Rhode Island, Vermont, Western Massachusetts, NYC-Long Island, Northern New Jersey, Southern New Jersey, Western New York, Michigan, and West Virginia.

Uruguay CX3DAT	29,720	150	40	B	UA9KM	80,640	274	70	A	DF6LQ	66,220	269	77	A	Switzerland HB9/NK6F	200,739	657	121	C	OM4DN	205,015	523	131	C
					UA9XMC	1,106,272	1368	181	B	DJ6DD	60,818	245	94	A	HB9ARF	132,496	418	112	C	OM1AF	130,272	443	96	C
Argentina LU7HN	231,334	541	94	A	RK9CWG (RV9CBT,RA9CGK, UA9-154-894,ops)	191,610	555	90	D	DL0MFL	57,054	275	74	A	HB9CVO	66,225	62	83	C	OM9TR	57,942	383	54	C
										DL1JPL	50,405	179	85	A	HB9AYZ	7,733	85	37	C	OM3CDN	45,978	228	73	C
LU7IDX	56,850	305	50	A	Zone 21 Asiatic Russia					DL2LAY	49,812	212	84	A	HB9QA	610	17	10	C	OM2TB	33,048	176	51	C
LU9HO	412,960	759	116	B	RA9JW	157,430	393	91	B	DL1ARJ	42,918	213	69	A	Liechtenstein HB9/DL1SBF/P	62,532	276	81	C	OM3KXR (OM3YDP,OM8DD,ops)	93,755	345	85	D
AY5E (LU5EUW,op)					UA0BGZ	50,440	198	65	B	DL4VAD	32,269	149	61	A	HB9/DL2JRM	168	8	7	C	Slovenia S53R	1,355,256	1568	252	A
LU4FM	106,878	260	89	B	RA9JW	157,430	393	91	B	DJ2JIA	15,190	126	62	A	HB9/P4TUE (PA3EZL,PA3GFE, PA3HCV,PE1PRG,ops)	343,212	688	148	D	S55A	1,142,064	1600	198	A
LU2FT	52,355	663	37	B	RJ9J (RA9JR,op)	831,252	1326	159	C	DL2AWA	13,630	103	47	A	Italy I07A	733,210	1198	190	A	S57W	948,270	1236	219	A
LU4FCZ	40,358	263	30	B	Zone 22 Asiatic Russia					DL7K7AN	576	15	12	A	IT9VDQ	30,975	161	59	A	S58A	951,014	1599	166	B
LU9HOA	31,650	231	30	B	UA0SJ	91,235	324	71	B	DL2LAK	576	15	12	A	IK3BSC	22,088	133	44	A	S59A	1,259,379	1481	233	C
LU1EGD	11,220	136	17	B	Zone 23 Asiatic Russia					DL5LAU	580,085	815	199	B	IK8OIN	21,253	111	53	A	S57DX	940,574	1345	214	C
LT1F	2,528,524	2644	212	C	UA0SK	101,024	284	88	A	DL8LPC	139,860	422	111	B	IR6F (IK6BOB,op)	1,538,604	1760	237	B	S57U	546,804	902	183	C
LU3EE (LU7EE,op)					UA0KA	18,018	110	39	B	DL1XAO	111,780	288	115	B	IN3ZR	882,880	1281	178	B	S57J	509,580	871	171	C
LU1FNH	496,248	772	138	C	Zone 24 Asiatic Russia					DL4R4L	72,010	276	95	B	IK1HSS	415,084	764	164	B	S53MJ	472,320	958	225	B
LU1EHL	209,620	596	94	C	UA0KCL	101,024	284	88	A	DL5FBX	67,700	259	100	B	IK6GPZ	213,134	520	122	B	S56A	880	688	135	C
LU1EWL	179,418	395	102	C	UA0KA	18,018	110	39	B	DL8NBE	65,325	249	75	B	IK2PQG	39,990	187	66	B	S57QJ	100,890	352	95	B
LU1FAM	20,130	289	22	C	Zone 25 Ireland					DL1NBE	48,453	178	93	B	IK3CXC	16,826	124	47	B	S58QX	1,025,336	1285	176	A
LU6N (LU2NI,LU9AY,LU8NA,LU1NDC, LU4N4Z,LU4N4S,ops)	1,578,786	1853	209	D	FR01	236,500	642	110	A	DL4B5A	47,124	206	84	B	IK8IFW	22,848	129	56	B	SP2DWG	166,497	407	127	A
LT5Y (LU1UY,LU2YAK,LU6YAR, LU7YAP,LU8Y,ops)	353,184	777	96	D	FR02	30,024	168	54	A	DL4V3B	27,470	128	67	B	IK3CXC	16,826	124	47	B	SP9FZC	132,756	346	111	A
Paraguay ZP0Z	354,222	974	99	B	FR03	14,063	81	47	A	DJ2JUB	27,430	152	65	B	IK2HPO	13,299	83	39	B	SQ9DXN	6,039	65	33	A
Zone 15 Brazil					FR04	30,024	168	54	A	DL5FCV	12,508	89	53	B	IK0SQR	105,228	403	174	B	SP5DDJ/J	4,284	57	28	A
PYZNY	213,210	508	90	A	FR05	14,063	81	47	A	DL6AKK	12,121	127	31	B	IK6SQR	39,990	187	66	B	SP9QMP	129,332	551	62	B
PY1KDR	73,568	352	44	B	FR06	14,063	81	47	A	DL3KDC	8,848	88	56	B	IK3CPG	32,026	154	67	B	SPZAIR	160,850	352	95	B
PY2ARF	67,896	224	69	A	FR07	1,225	25	25	A	DK6BT	6,534	64	33	B	IK3RCH	32,026	154	67	B	SP2HMH	511,100	806	190	A
PY2MNL	63,080	350	44	B	FR08	555,304	940	164	B	DL1HRSR	2,394	126	19	B	IK8IFW	22,848	129	56	B	SP2DWG	166,497	407	127	A
PY2RAF	56,160	213	65	B	FR09	61,424	222	88	B	DL9JW	700	25	14	B	IK3CXC	16,826	124	47	B	SP9FZC	132,756	346	111	A
PT2ADM	18,392	130	44	B	FR10	555,304	940	164	B	DL3YDY	324	10	9	B	IK0HPO	13,299	83	39	B	SQ9DXN	6,039	65	33	A
PY2ZD	13,684	79	44	B	FR11	61,424	222	88	B	DL1IAO	1,371,223	1739	217	C	IK2OPO	10,700	81	39	B	SP5DDJ/J	4,284	57	28	A
PY2OZF	3,960	44	22	B	FR12	555,304	940	164	B	DL3G1	1,04,880	1411	220	C	I28AJQ	8,241	84	41	B	SP9QMP	129,332	551	62	B
PY3MHZ (PU3AGP,PU3AFS,PU3BZA, PY3FOX,PU3MRZ,ops)	27,965	162	47	D	FR13	24,342	122	64	B	DL4BOE	397,554	1021	173	C	I26BYO	1,552	29	16	B	SP9XWD	86,300	272	100	B
					FR14	23,424	122	64	B	DL6KVA	350,784	474	192	C	IR2W (I2VXJ,op)	1,448,160	1771	240	C	SP6NVK	75,808	253	92	B
					FR15	21,888	114	57	B	DL5JAN	273,182	607	158	C	IK0HBN	416,024	807	152	C	SP8EEX	75,150	258	90	B
					FR16	18,460	113	52	B	DL1JF	272,250	519	150	C	IT9BLB	350,900	945	145	C	SP7A (SP7FQI,op)	70,748	245	92	B
					FR17	9,542	11	26	B	DL4HRM	251,020	623	140	C	IK0VXS	331,700	708	155	C	SP6JF	24,840	118	46	B
					FR18	7,134	90	29	B	DL1TH	217,490	511	130	C	IK3FHL	22,528	223	32	C	SP3JHY	19,393	121	41	B
					FR19	1,071,158	1550	181	D	DK5KM	200,780	544	130	C	IR4T					SP9JUN	18,656	108	53	B
					FR20	174,069	672	81	C	DL3ZAI	191,542	458	139	C	(IK1FH,IAJMY,IK4IEE,IK4UPB,IK4MTF, IK2QEI,IV3TAN,IV3TMY,ops)	2,550,000	2804	240	D	SP8M	6,375	65	30	B
					FR21	54,678	228	78	C	DL7ANR	175,260	434	127	C	IO2A (IK2HKT,I2IF,ops)	1,007,032	1668	184	D	SP3OOB	5,940	104	20	B
					FR22	53,612	283	52	C	DL1IA	151,200	303	160	C	IO0A (IK0ZT,IK0AZG,IK0XB,IK2QAE, IK0ZT,ops)	722,914	1170	181	D	SP3GHH/3	5,250	74	21	B
					FR23	35,328	188	69	C	DL9XY	136,104	383	106	C	IS0IGV	102,102	465	77	A	SP6YAO	1,323,216	1600	216	C
					FR24	15,826	96	41	C	DL5SVB	117,993	347	111	C	IM0/IK2AEQ	4,914	108	27	B	SP3KHK/3	5,250	74	21	B
					FR25	15,826	96	41	C	DL1ALN	113,752	325	118	C	IS0SDX	21,472	248	32	B	SP6YAO	1,323,216	1600	216	C
					FR26	10,711	313	111	C	DL2GBB	113,400	330	105	C	Sardinia IS0IGV	102,102	465	77	A	SP3KHK/3	5,250	74	21	B
					FR27	9,542	11	26	B	DJ5OJ	107,115	313	111	C	IM0/IK2AEQ	4,914	108	27	B	SP6YAO	1,323,216	1600	216	C
					FR28	9,542	11	26	B	DL7CF	107,115	285	106	C	IS0SDX	21,472	248	32	B	SP3KHK/3	5,250	74	21	B
					FR29	9,542	11	26	B	DK3AX	99,232	311	112	C	Bulgaria L21GU	290,580	459	167	A	SP3KHK/3	5,250	74	21	B
					FR30	9,542	11	26	B	DL4S2B	95,718	285	106	C	L21BU	222,226	479	78	A	SP3KHK/3	5,250	74	21	B
					FR31	9,542	11	26	B	DL1CW	90,270	307	118	C	L21BU	222,226	479	78	A	SP3KHK/3	5,250	74	21	B
					FR32	9,542	11	26	B	DK3KD	85,269	505	43	C	L21BU	222,226	479	78	A	SP3KHK/3	5,250	74	21	B
					FR33	9,542	11	26	B	DF2UG	75,537	281	99	C	L21BU	222,226	479	78	A	SP3KHK/3	5,250	74	21	B
					FR34	9,542	11	26	B	DL3HXS	61,655	187	95	C	L21BU	222,226	479	78	A	SP3KHK/3	5,250	74	21	B
					FR35	9,542	11	26	B	DL1LAW	61,285	312	67	C	L21BU	222,226	479	78	A	SP3KHK/3	5,250	74	21	B
					FR36	9,542	11	26	B	DL2ANM	55,056	204	93	C	L21BU	222,226	479	78	A	SP3KHK/3	5,250	74	21	B
					FR37	9,542	11	26	B	DL1OO	54,644	235	76	C	L21BU	222,226	479	78	A	SP3KHK/3	5,250	74	21	B
					FR38	9,542	11	26	B	DF0FBK	52,687	255	59	C	L21BU	222,226	479	78	A	SP3KHK/3	5,250	74	21	B
					FR39	9,542	11	26	B	DL3KWR	48,732	232	93	C	L21BU	222,226	479	78	A	SP3KHK/3	5,250	74	21	B
					FR40	9,542	11	26	B	DF52V	44,654	219	83	C	L21BU	222,226	479	78	A	SP3KHK/3	5,250	74	21	B
					FR41	9,542	11	26	B	DK5ZX	40,150	198	73	C	L21BU	222,226	479	78	A	SP3KHK/3	5,250	74	21	B
					FR42	9,542	11	26	B	DL3EFL	39,476	170	71	C	L21BU	222,226	479	78	A	SP3KHK/3	5,250	74	21	B
					FR43	9,542	11	26	B	DL3BFA	39,190	203	67	C	L21BU	222,226	479	78	A	SP3KHK/3	5,250	74	21	B
					FR44	9,542	11	26	B	DL3BRA	31,584	165	94	C	L21BU	222,226								

