

2011 IARU HF World Championship Results

We've come a long way...

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The July 2011 running of the IARU HF World Championship was very similar to the July 1998 event — both were during the initial ascent of a solar cycle — Cycle 23 for the 1998 contest and Cycle 24 for the 2011 contest. Figure 1 depicts “where we are” and “where we were.”

So what's happened to this increasingly popular summer contest in the last 13 years? The most obvious difference is the number of logs submitted. Back in 1998 there were 1340 log submittals. The 2011 event ended up with 3676 log submittals. That's almost a three-fold increase in participation that gives everyone that many more people to work (and don't forget that translates into more stations to work on all the bands and on the two modes, too).

With more logs submitted, one would expect higher scores in 2011 compared to 1998. Indeed, the scores are higher — except for the World Phone category. See the web version online for score details. (I assumed High Power for 2011, whereas the 1998 contest did not delineate power.) But I also believe operator skill, available operator tools and station improvements have pushed scores higher in the 13 years since 1998.

From Novice Roundup to IARU HF Championship

Jim, N1RU, posted this to the Soapbox area on the ARRL website about IARU 2011: “This was the first contest that I'd entered since the 1981 Novice Roundup. I had a great time. After nearly 20 years off the air, I'm back on HF with a QRP signal and an attic antenna. I'm enjoying ham radio as much as ever, and I'm looking forward to my next contest.”

Jim participated in the 1981 ARRL Novice Roundup (NR) as a Technician with the call N3BLZ/T from Maryland-DC. He made 53 QSOs in 29 sections and operated a total of 10 hours: In 1981 the NR was 9 days long and you could operate a total of 30 hours. Welcome back to contesting, Jim!

The old NR was a great event geared toward Novices and Technicians to whet their appetite to contesting, to increase their WAS and DXCC totals, and to increase their code speed. I can vouch that all three of these enticements worked, based on my participation in the 1962 NR.

Propagation

As Cycle 24 continues its ascent, we will experience better propagation. The July 2011 running of the IARU contest took advantage of the improved conditions on the higher bands. Figure 1 shows Cycle 24 is on the increase but what's not certain is how high it will go. Most solar scientists believe it will be below average with a peak smoothed sunspot number of 90 in early 2013.

The 10.7 cm solar flux hovered around 90 for the contest weekend. That's not bad but being in the summer months doesn't help the maximum useable frequency (MUF) on the higher bands as much as it would help in the fall, winter and spring months.

There were a couple of B-Class solar flares (the smallest ones on the B, C, M and X scale) on the 9th and 10th, but their effect was minimal. The K index was well-behaved for the most part — mostly 3 and under from 1200 UTC on July 9 to 1200 UTC on July 10. The K indices were a bit higher than on previous days due to a high-speed stream of material from a coronal hole.

Overall, we had pretty decent space weather for the 2011 contest, which re-

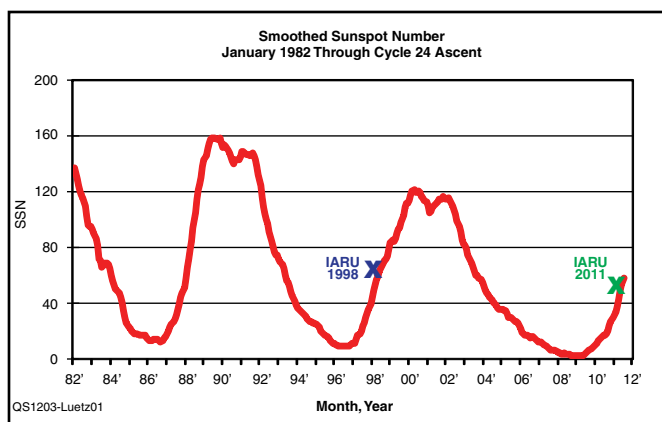


Figure 1 — Solar activity during the 2011 and 1998 IARU contests.

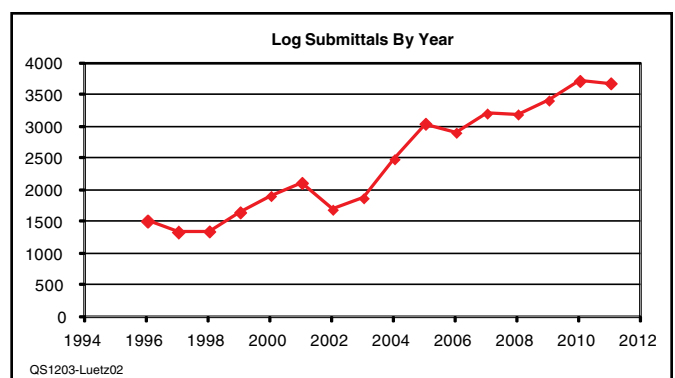


Figure 2 — Log submittals by year.

sulted in pretty decent propagation. Next year should be better with even higher solar flux/sunspot numbers (barring a major solar eruption that would adversely affect the ionosphere).

2011 Participation Statistics

Logs — As mentioned above, the 2011 event had 3676 logs submitted, containing over 1.2 million QSOs. There were almost 1.4 million QSOs in 2010 — no doubt WRTC 2010 in Russia helped last year. The 2011 event didn't break last year's record number of logs of 3714 but it wasn't far behind (only 1% lower). Figure 2 shows a steady increase in log submittals each year.

Zones — Participants from 52 ITU zones submitted logs for the contest. Zone 28 (eastern and southern Europe) led the pack with the most submitted logs — approximately 30% of the logs submitted came from Zone 28. Zone 29 (the old European Russia) was a distant second (approximately 13% of the logs). Rounding out the Top Five was Zone 8 (east coast of North America), Zone 27 (northwestern Europe) and Zone 45 (Japan).

Category and Power — With respect to category and power, CW Low Power was the most popular at just over 21% of the participants. Phone Low Power was next with just under 20% of the participants. In third was Mixed Low Power (15.5%), and in fourth was MultiOp with just under 15%. Only 48 and 47 contesters braved Mixed QRP and Phone QRP, respectively. By category, CW led the group, Phone was second, and Mixed was last. By power, Low Power won handily with over 56% of the participants running barefoot. High Power was second with about 24% of the participants and QRP was third with about 6%.

Bands — As expected from previous years' results, 20 meters had the most QSOs — almost one half of the total. Coming in second for the total of QSOs was 40 meters at about 20% and 15 meters was right behind at 18.4%. With increased solar activity, 10 meters (7.3%) beat out 80 meters (6.4%). As expected, 160 meters was the least-used band at 1.2%.



W/VE

Single Operator, Mixed Mode, QRP	
K8ZT	112,592
NN7SS (K6UFO, op)	72,242
K54X	21,632
W9XN	11,100
ND3D	8,658

Single Operator, Mixed Mode, Low Power	
VE3DZ	1,196,192
N8OO	1,036,350
K2PO	487,277
K9OM	431,148
NR3X (N4YDU, op)	387,660
W9IU	351,650
N7ZG	317,312
AD4Z	312,984
VE1ZA	237,690
W1WBB	226,980

Single Operator, Mixed Mode, High Power	
VY2ZM (K1ZM, op)	2,989,540
VE3EJ	2,544,638
K3CR (LZ4AX, op)	2,494,800
N5DX	2,395,215
NK7U (KL9A, op)	1,921,539
W2GD	1,582,725
K3ZO	1,478,304
K7RL	1,456,730
W4AN (K4BAL, op)	1,425,936
K6XX	1,126,816

Single Operator, Phone Only, QRP	
W6QU (W8QZA, op)	39,375
NT4TS	21,294
KC5WA	8,502
VA7IR	4,375
VA3WVP	3,332
N6LB	1,020
KD4OFG	960
N8XA	900
AA2VK	209
N6RWT	116

Single Operator, Phone Only, Low Power	
W4SVO	633,060
K1WO	110,445
K5DHY	83,904
W5GFI	78,806
VA3GKO	65,504
N8RF	47,988
WB0TSR	42,918
K4WES	38,252
K3FIV	37,520
VE2HIT	34,880

Single Operator, Phone Only, High Power	
W7WA	1,314,975
KK1KW	996,060
WB9Z	799,755
K5EF	293,454
N2RJ	259,000
KM2O	239,580
K9MWM	169,944
NN4F	145,530
K7LY	135,920
AC8G	133,868

Single Operator, CW Only, QRP	
VE3GTC	100,580
K0PK	80,301
K4OPL	71,024
W5GAI	28,221
A9K	27,898
KK1W	25,694
VA3RJ	13,275
N3CZ	12,246
N8XX	11,886
K5TA	10,152

Single Operator, CW Only, Low Power	
W1NN	576,774
K2SSS	533,822
VA1CHP	531,632
VE1RGB	492,072
W1E	423,984
WB4TDH	389,973
KB1T	388,700
KV8Q	325,872
VE3EY	322,230
N2GA	311,454

Single Operator, CW Only, High Power	
K8PO	2,216,578
AA3B	2,061,210
WC1M	1,762,736
N2IC	1,710,859
NY3A	1,690,242
N4QGW	1,421,192
N9RV	1,389,617
K9NW	1,093,260
K5TR (K5OT, op)	1,066,338
N4AF	1,011,675

Multioperator	
NN3W	2,390,710
N0NI	1,878,170
K0RF	1,774,150
K8AZ	1,743,605
NX5M	1,738,100
NR4M	1,557,612
W1UJ	1,536,270
K2LE	1,296,012
WT1T	1,174,187
N1LN	1,117,185

Worldwide

Single Operator, Mixed Mode, QRP	
HA8BE	520,905
R3VA	328,933
US2IZ	231,568
SP4GFG	181,350
RW7M	159,555
CT7/LZ3ND	155,064
9A2EY	148,992
SP5DDJ	120,704
LY4BF	120,523
K8ZT	112,592

Single Operator, Mixed Mode, Low Power	
LY9A	1,536,954
S53MM	1,240,680
RW0A (RA0AM, op)	1,223,592
VE3DZ	1,196,192
LY4L	1,085,696
JT0YPS (UA9YPS, op)	1,045,302
N8OO	1,036,350
Z71SJ	1,005,916
RW9C	948,090
PY2SEX	936,792

Single Operator, Mixed Mode, High Power	
CN3A (IK2QE1, op)	4,281,588
UP0L	3,627,600
RG9A	3,621,264
UP2L (UA9BA, op)	3,553,932
UU7J (UU4JMG, op)	3,135,114
RG3K	3,080,916
R9DX	3,004,410
VY2ZM (K1ZM, op)	2,989,540
ES5TV	2,771,454
OM3BH	2,576,284

Single Operator, Phone Only, QRP	
HG1W (HA1WD, op)	298,284
HA5BKV (HA5NB, op)	182,864
TG9ANF	145,432
SP4LVK	106,368
IV3AOL	83,974
IZ1JLF	59,994
OK4AS	45,479
W6QU (W8QZA, op)	39,375
M0LPT	38,024
US5IND	36,672

Single Operator, Phone Only, Low Power	
ZX2B	740,624
UV8M (UX3MR, op)	705,572
HA3DX (HA4XH, op)	653,691
W4SVO	633,060
KP2/AA1BU	632,487
RW1CW	622,557
IW1QN	543,982
CR5M (CT1DHM, op)	542,304
UA3BL	416,355
HI3TEJ	399,312

Single Operator, Phone Only, High Power	
PP5XX	2,249,190
ES5RW	1,781,472
US5D (UT7DX, op)	1,511,486
EA4KD	1,377,068
UX0FF	1,373,157
W7WA	1,314,975
YO3CZW	1,172,947
KK1KW	996,060
F4BKV	952,754
EA1PP	909,792

Single Operator, CW Only, Low Power	
UR9QQ	595,629
OK3C (OK2ZC, op)	551,050
UU2CW	499,083
HA6NL	481,580
RA3AN	425,500
UA6LCLJ	210,456
DD1IM	176,547
UA6AK	152,963
LZ1MG	142,884
UX8ZA	131,068

Single Operator, CW Only, High Power	
CR6K (CT11LT, op)	3,200,313
PJ4C (N5WR, op)	2,967,030
ST2AR	2,948,268
LZ8E (LZ2BE, op)	2,731,750
UT5UGR	2,629,566
TA2ZF (UT5UDX, op)	2,387,952
K8PO	2,216,578
UW1M (URS5MW, op)	2,212,116
YU1LA	2,206,413
UW3U (UT7UJ, op)	2,114,637

Multioperator	
P33W	7,236,873
RT4F	4,483,534
UZ2M	4,331,353
C49C	3,780,324
HG6N	3,497,364
4O3A	3,323,571
SN3R	3,305,904
PS2T	3,059,442
RT5G	2,831,444
RM5A	2,816,105

IARU HF Championship Records

World Records	Call	Score	Year
Single-Op HP Mixed	3V1A	4,414,517	2007
Single-Op LP Mixed	HG3M (HA3MY op)	2,095,522	2005
Single-Op QRP Mixed	HG5Y	1,067,647	2007
Single-Op HP Phone	CN2R (W7EJ op)	4,718,736	2005
Single-Op LP Phone	D4C	2,975,632	2008
Single-Op QRP Phone	HG1W (HA1WD op)	348,517	2007
Single-Op HP CW	5B/W2TAA (RV1AW op)	4,219,995	2010
Single-Op LP CW	HA8DU	2,278,782	2006
Single-Op QRP CW	HA5KDQ (HA7ANT op)	1,412,260	2006
Multioperator	P33W	7,236,873	2011

W/VE Records	Call	Score	Year
Single-Op HP Mixed	VY2ZM (K1ZM op)	2,989,540	2011
Single-Op LP Mixed	VE3DZ	1,196,192	2011
Single-Op QRP Mixed	N0KE	187,590	2008
Single-Op HP Phone	KH6ND	2,257,190	2002
Single-Op LP Phone	W4SVO	633,060	2011
Single-Op QRP Phone	KC5R	172,080	2007
Single-Op HP CW	VY2ZM (K5ZD op)	2,631,694	2005
Single-Op LP CW	W1RM	1,135,630	2010
Single-Op QRP CW	W2GD	427,392	2009
Multioperator	W1AW/4	10,720,370	2000

Continental Leaders

Table shows Call, Score, Class and Power. For class: A=Mixed Mode, B=Phone Only, C=CW Only, D=Multioperator. For Power, A=QRP, B=Low Power, C=High Power.

Africa				ZC4LI	1,810,575	C	B	UT5UGR	2,629,566	C	C	VK7ZE	718,510	B	C
3V8SS				RA9AP	905,532	C	B					KH2JU	132,056	B	C
(KF5EYY, op)	682,195	A	B	VU2PTT	391,685	C	B					WH7Z			
EA8BQM	206,142	A	B					RT4F	4,483,534	D		(W0CN, op)	65,940	B	C
5N6/YL2SW	151,938	A	B	TA2ZF				UZ2M	4,331,353	D					
				(UT5UDX, op)	2,387,952	C	C	HG6N	3,497,364	D		KH6ZM	613,802	C	B
CN3A				R9FT	1,714,840	C	C					YB3BOA	45,695	C	B
(IK2QEI, op)	4,281,588	A	C	RT9A	1,696,613	C	C	North America							
EA8AGF	1,932	A	C					CO8ZZ	29,016	A	B	VK2IM	664,125	C	C
				P33W	7,236,873	D		XE2B	16,264	A	B	ZM4G	411,464	C	C
EC8ADW	39,931	B	B	C49C	3,780,324	D		FG1PP	5,952	A	B	ZL3TE	222,500	C	C
SU1HZ	6,156	B	B	RF9C	2,561,878	D									
EA8CST	5,883	B	B	Europe											
				HA8BE	520,905	A	A	HI8A	63,336	A	C	DU1/JJ5GMJ	255,588	D	
CT3HF	188,244	B	C	R3VA	328,933	A	A	TG9ANF	145,432	B	A	YB1ALL	172,900	D	
ZS5NK	12,054	B	C	US2IZ	231,568	A	A	XE2JA	10,638	B	A	DV1/JO7KMB	124,338	D	
EA8BVP	3,255	C	A	LY9A	1,536,954	A	B	KP2/AA1BU	632,487	B	B	South America			
				S53MM	1,240,680	A	B	HI3TEJ	399,312	B	B	PY2SEX	936,792	A	B
V51YJ	165,024	C	B	LY4L	1,085,696	A	B	TI2CDA	212,816	B	B	PY2NY	759,962	A	B
EA8DA	130,356	C	B									PY1NB	497,006	A	B
EC8AFM	40,600	C	B	UU7J				XP1A	232,288	B	C				
				(UU4JMG, op)	3,135,114	A	C	J68HS	4,980	B	C	PP5BZ	1,726,368	A	C
ST2AR	2,948,268	C	C	RG3K	3,080,916	A	C	AH0AH/KL7	28	B	C	YW4D	1,574,191	A	C
ZS4TX	605	D		ES5TV	2,771,454	A	C					AY5F			
								FP/VA2WA				(LU5FC, op)	1,535,600	A	C
Asia				HG1W				(VA2WDQ, op)	1,093,791	C	B				
JR3RWB	95,996	A	A	(HA1WD, op)	298,284	B	A	WP3C	65,377	C	B	LU1FM	660	B	A
RK9DO	56,620	A	A	HA5BKV				KV4FZ							
JK1TCV	47,520	A	A	(HA5NB, op)	182,864	B	A	(N2TTA, op)	37,708	C	B	ZX2B	740,624	B	B
				SP4LVK	106,368	B	A					LU1FU	151,360	B	B
								VP5CW				LW7DUC	67,800	B	B
RW0A				UV8M				(W5CW, op)	1,450,068	C	C	PP5XX	2,249,190	B	C
(RA0AM, op)	1,223,592	A	B	(UX3MR, op)	705,572	B	B	KL7DX				ZV2K	235,520	B	C
JT0YPS				HA3DX				(W6NV, op)	631,116	C	C	PY5KW			
(UA9YPS, op)	1,045,302	A	B	(HA4XH, op)	653,691	B	B	NP2X	235,492	C	C	(PY2DJ, op)	130,644	B	C
7Z1SJ	1,005,916	A	B	RW1CW	622,557	B	B								
				ES5RW	1,781,472	B	C	KL2R	67,306	D		AY9F			
UP0L	3,627,600	A	C	US5D				AL1G	41,407	D		(LU5FZ, op)	114,933	C	A
RG9A	3,621,264	A	C	(U77DX, op)	1,511,486	B	C	HH2/PY1ZV	39,660	D		PY4ZO	9,328	C	A
UP2L				EA4KD	1,377,068	B	C	Oceania							
(UA9BA, op)	3,553,932	A	C					YB3IZK	33,192	A	B	PY3OZ	143,448	C	B
				UR9QQ	595,629	C	A	DV1UBY	1,508	A	B	PY2IU	94,650	C	B
JA2MWW	9,553	B	A	OK3C				ZL2K	370	A	B	PY4HO	50,700	C	B
VU2GUR	636	B	A	(OK2ZC, op)	551,050	C	A	KH7X				PJ4C			
ZC4MIS	84	B	A	UU2CW	499,083	C	A	(KH6ND, op)	1,723,623	A	C	(N5WR, op)	2,967,030	C	C
								VK4CT				PR7AR	159,783	C	C
R9FR	110,448	B	B	UX4U				(VK4EMM, op)	1,028,196	A	C		96,943	C	C
TA1DK	107,219	B	B	(US7UX, op)	1,538,840	C	B	VK3TDX	601,216	A	C				
RW9TP	101,864	B	B	YT3M	1,440,283	C	B					PS2T	3,059,442	D	
				LZ3FN	1,408,365	C	B	YB0NFL	78,898	B	B	LS1D	1,833,192	D	
JA2IVK	442,874	B	C					YC8AHH	45,950	B	B	HK1NA	1,574,672	D	
RA8T				CR6K				YB0MWM	39,840	B	B				
(RA9SPF, op)	320,250	B	C	(CT1ILT, op)	3,200,313	C	C								
UA9JDP	271,746	B	C	LZ8E											
				(LZ2BE, op)	2,731,750	C	C								
RU9UN	123,656	C	A												
BD4GNV	33,480	C	A												
JR1NKN	26,680	C	A												



Gayle, K6GO/ZF2GO (L) and Anna, W6NN/ZF2LL joined Joe, W6VNR/ZF2AH to put the Cayman Amateur Radio Society (CARS) HQ station, ZF1A, on the air for IARU. They used the club shack and excellent antenna farm on ZF1EJ's property to give out the CARS HQ multiplier in Zone 11. Outside the contest Gayle, Joe and Anna spent time relaxing on Seven Mile Beach on the west side of the island.

[Anna Sombor, W6NN]

Records

Four new records were set in the 2011 event. One was a new World record and the other three were W/VE records. Way to go, everyone!

The World Multiop record by P3A in 2003 was broken by P33W. One of the P33W ops, RW4WR, was also on the 2003 P3A team.

The W/VE Mixed High Power record by KQ2M in 2001 was beaten by VY2ZM (K1ZM). Interestingly, the VY2ZM station now holds two W/VE records — CW High Power in 2005 when K5ZD keyed this fine station to a win and now K1ZM operating his own station in 2011.

VE3DZ decided to go after his old 2009 record in W/VE Mixed Low Power and squeaked by it by 1.5% (1,179,150 in 2009 versus 1,196,192 in 2011).

Finally, the W/VE Phone Low Power record by NIUR set in the 2010 event fell to W4SVO by a decent amount — 7%.

