

**2021**  
**SCANDINAVIAN**  
**ACTIVITY CONTEST**  
**THE POLAR BATTLE**



**RESULTS AND STORIES**  
**TO AND FROM PARTICIPANTS**

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# IT TAKES TWO TO TANGO

# Introduction

As the new Teamleader of the SAC Contest Committee I will start with a short introduction of myself. I started as HAM in 1975 bringing my military CW skills into my hobby and was quickly caught by the Contest games. The years went by and, as so many others, I got family etc etc and the hobby was stuffed together in some boxes and put away for about 25 years.

In 2011 the time was right for me to start up again and quickly I was caught by the Contest games once more. Since then I do as much contest as possible and furthermore I have combined it with one of my other great interests, traveling.

I have been a member of SAC CC since 2013 and was elected as TL starting in 2022.

My approach to contests is reasonably pragmatic. I am of the belief that radio sports should be fun, challenging and at the same time create a lot of activity on our amateur bands.

When a participant submits a log to a specific category and with an appropriate overlay, it is a matter of trust that the log contains the correct information. I attach great importance to this. It is an insurmountable workload if we in the Contest Committee have to check whether the rules have been complied with and it shall not be necessary.

The logs are checked with some new algorithms that find errors which can be read out of the individual QSO data and that check should be sufficient. Investigating whether a participant uses more power or may not have as limited antennas as in the Overlay selected is impossible and this is where the trust between participant and sponsor is so important. I hope this trust can last.

We are working on renewing SAC and you will find some of the key points we are investigating in this regard. There is a fantastic development all the time and more and more auxiliary tools for the contest operators are emerging at the same time as better and better antennas and radio equipment are coming.

And then the digital world has also made its entrance to the radio waves with tremendous success and huge increase in activity. We will also address this in 2022.

Keep an eye on our website where we will publish our thoughts and where we also expect that we can create a debate about the changes.

Finally I would like to thank you all for your support of SAC by participating. The enthusiasm and passion you show is what keeps SAC going stronger than ever.

73 & CU in SAC 2022

Henning OZ2I

SAC CC Teamleader



SAC is sponsored by **NRAU**, Nordic Radio Amateur Union  
 SAC Contest Committee 2022: SM5AJV – OH2BH - OZ2I - LB8DC

Booklet Layout and Design 2021 by OZ2I Henning Andresen  
 Frontpage picture: Scandinavia from ISS spacecenter 2017 from Illustreret Videnskab [www.illvid.dk](http://www.illvid.dk)

# Scandinavian Cup

The *Scandinavian Cup* is a competition between the Nordic Regions as defined in the rules §1. All entrants' scores for both CW and SSB are accumulated to a total for each region. All logs, except for checklogs, are counted towards the total. A circulating trophy is awarded to the national society of the region that wins the Cup.

As you may see the trophy goes to Finland in 2021. Actually this has happened the last ten years and we must search back to 2010 to find Sweden as the winner. Ever after that it has been the OH contesters earning the trophy.

NO	COUNTRY	CW LOGS	CW SCORE	SSB LOGS	SSB SCORE	TOTAL LOGS	TOTAL SCORE
1	OH - Finland	99	18.312.964	99	9.818.748	198	28.131.712
2	SM - Sweden	84	13.282.643	89	5.214.938	173	18.497.581
3	LA - Norway	29	4.137.351	32	2.243.335	61	6.380.686
4	OZ - Denmark	26	4.393.920	25	1.238.162	51	5.632.082
5	OH0 - Aland Islands	3	2.230.183	1	907.424	4	3.137.607
6	TF - Iceland	3	41.063	4	246.320	7	287.383
7	OX - Greenland	1	138.105	0	0	1	138.105
8	OY - Faroe Islands	2	111.960	0	0	2	111.960
9	JW - Svalbard	0	0	1	64.588	1	64.588
	All Nordic Regions	247	42.648.189	251	19.733.515	498	62.381.704

## NRAU

### Nordic Radio Amateur Union

All the Nordic countries have our own national Amateur Radio organization. More of the countries have similar languages making both general understanding and cultural understanding across the borders much easier. Additionally, we also have many common interests and goals regarding Amateur Radio as such.

These are just some of the reasons why the organizations joined our forces in establishing a Nordic amateur radio community named the "Nordic Radio Amateur Union" (NRAU).

NRAU is a Nordic organization composed of individual national organization. NRAU's aim is to coordinate radio amateur activities, and to work towards a common solution for the Nordic countries.

NRAU holds a meeting ahead of every IARU conference, where all proposed agenda items are duly discussed in the attempt to reach a mutual Nordic understanding and agreement, when possible.

***NRAU is the sponsor of the Scandinavian Activity Contest.***





## JW5X Svalbard

Erling, LA6VM, Just, LA9DL and I, Halvard LA7XK have been operating in SAC phone contest from Longyearbyen as JW5X every year since 2001.

Before and after the contest we have been QRV as JW9DL, JW6VM and JW7XK. During these years we have experienced good radio conditions and total blackout due to aurora. This probably has to be expected at 78 degrees north.

This year, LA6VM Erling was unable to take part in the contest. LA9DL and I, LA7XK had to manage on our own. We ended up with 432 Q's and 67 multipliers. Over the years we have done worse and we have done better.

We were using an IC-7300 for operation before, after and during the contest. We had serious problems with interference from the local AM broadcast station on 1,485MHz. On some bands JW5E had band pass filters that reduced the receiver overload but on other bands the splatter was bad. A good band stop filter for 1,485 in addition to good band pass filters is a must when using the IC-7300.

We are already looking forward to SAC Phone in October 2022.

For JW5X, Halvard LA7XK / JW7XK



# SAC Plaque winners 2021

## Scandinavia

CW		
SINGLE-OP HIGH ALL	OH0T	- (op. OH2GEK)
SINGLE-OP LOW ALL	SM5IMO	
SINGLE-OP QRP ALL	<b>OH0V</b> <b>New Record</b>	- (op. OH6LI)
SINGLE-OP HIGH ALL TB-WIRES	LA8OM	
SINGLE-OP HIGH ALL ROOKIE	SA6NIA	
SINGLE-OP HIGH ALL WIRE-ONLY	LC5T	- (op. LB5WB)
MULTI-ONE HIGH ALL	SJ2W	- (op. SA2CLC SM2LIY SM2WMV)
MULTI-MULTI HIGH ALL	OF1F	- (op. OH1TM OH1NOA OH1RX OH1HS)
SSB		
SINGLE-OP HIGH ALL	OH0V	- (op. OH6LI)
SINGLE-OP LOW ALL	OG4W	- (op. OH4KZM)
SINGLE-OP QRP ALL TB-WIRES	8S3DX	- (op. SM3LDP)
SINGLE-OP HIGH ALL TB-WIRES	<b>OH6DX</b> <b>New Record</b>	
SINGLE-OP HIGH ALL ROOKIE	<b>SA6NIA</b> <b>New Record</b>	
SINGLE-OP HIGH ALL WIRE-ONLY	OV9M	- (op. DF9TM)
MULTI-ONE HIGH ALL	OF1F	- (op. OH1NOA OH1TM)
MULTI-MULTI HIGH ALL	LN8W	- (op. LA5KO LB1G LB1HI LB1RH LB1TI LB3RE LB7PI)

## Africa

### CW

SINGLE-OP HIGH ALL – EA8/OG60BBM

### SSB

SINGLE-OP HIGH ALL – EA8/OG60BBM

## Asia

### CW

SINGLE-OP HIGH ALL – RG9A

SINGLE-OP HIGH LOW-BAND – UA9W **New Record**

MULTI-ONE HIGH ALL – RZ9L (op. R8LA R8LAM RO9L)

### SSB

SINGLE-OP HIGH ALL – 5B4WN

SINGLE-OP HIGH LOW-BAND – RA9MX

MULTI-ONE HIGH ALL – YM1KE (op. TA1BX-TA1KEH)

## Europe

### CW

SINGLE-OP HIGH ALL – LZ5R (op. LZ3ND)

SINGLE-OP HIGH LOW-BAND – SN5X (op. SP5GRM)

MULTI-ONE HIGH ALL – HG7T (op. HA7TM HG5DX)

### SSB

SINGLE-OP HIGH ALL – LZ6E (op. LZ1GU)

SINGLE-OP HIGH LOW-BAND – S51CK

MULTI-ONE HIGH ALL – IQ0HV (op. I0KNQ IK0RPV IW0DJC)

## North America

### CW

SINGLE-OP HIGH ALL – VA2WA

SINGLE-OP HIGH LOW-BAND – K1LZ

MULTI-ONE HIGH ALL – WB9Z (op. NV9L WB9Z)

### SSB

SINGLE-OP HIGH ALL – N9NC

MULTI-ONE HIGH ALL – NV9L (op. NV9L WB9Z)

## Oceania

### CW

SINGLE-OP HIGH ALL – ZL2AGY

SINGLE-OP HIGH LOW-BAND – ZL3P (op. ZL3PAH)

### SSB

SINGLE-OP LOW ALL – 4I1EBD

MULTI-ONE HIGH ALL – DV1IIV (op. DV1IIV 4G1LDC)

**New Record**

## South America

### CW

SINGLE-OP HIGH ALL – PY5AMF

### SSB

SINGLE-OP HIGH ALL – PY5QW

MULTI-ONE HIGH ALL – CE2LS (op. CE2RTF CE2SQE)

<http://www.sactest.net>

# Sponsored Plaque winners 2021

<b>SPONSORED PLAQUE</b>		
<b>For non-Scandinavian single operators</b> (CW + SSB combined, unless otherwise mentioned)	<b>SPONSOR</b>	<b>WINNER</b>
Worked most LA	Morten Kvernmoen, LB8DC	<b>LZ6E</b>
Worked most OH	Jukka Kulha OH2MA	<b>LY5W</b>
Worked most OZ	Thomas Andersen, OZ1AA	<b>LZ6E</b>
Worked most SM	Tore Andersson SM0T	<b>LZ6E</b>
Worked most TF	Thorvaldur Stefansson, TF4M	<b>HA3DX</b>
Best combined score	Jari Perkiömäki OH6BG	<b>LY5W</b>
Best YL/XYL	Veijo Kontas, OH6KN	<b>LY5XX</b>
Best NA	Hans Johansson, SM0IMJ	<b>VA2WA</b>
Best Baltic	Jyrki Nieminen, OH6CS	<b>LY5W</b>
Best Italy	Helga Ferrante Picelli IN3FHE	<b>I2WIJ</b>
Best European Russia	Anton Teterin	<b>RL4A</b>
Most multipliers	Arto Liimatta OH2KW	<b>YL7X</b>
CW Best Germany + Poland	Uwe Dowidat DL8UD	<b>SP1NY</b>
CW: Best Bulgaria + Hungary	Zaba Hubach, OH1ZAA	<b>LZ5R</b>
CW: Best BY	Mats Ericson, SM4EPR	<b>BG4NMT</b>
CW: Best JA	Jari Perkiömäki OH6BG	<b>JH4UYB</b>
CW: Best accuracy (at least 200 QSOs)	Henning Andresen, OZ2I	<b>EW1P</b>
CW: First over 1000 QSOs	Jörg Pamp, DF6JC	<b>NONE</b>
CW: SOAB HP ASEAN (XZ HS XW XU 3W 9M 9V V85 YB DU)	SIAM DX GROUP E2A	<b>E21EIC</b>
CW: SOAB LP ASEAN (XZ HS XW XU 3W 9M 9V V85 YB DU)	SIAM DX GROUP E2A	<b>YB4HQ</b>
SSB: Best BY	Ville Lintervo OH1JD	<b>BG5TOX</b>
SSB: Best JA	Kari Viitamäki, OH6FSG	<b>JR3AAZ</b>
SSB: First over 1000 QSOs	Jörg Pamp, DF6JC	<b>NONE</b>
SSB: SOAB HP ASEAN (XZ HS XW XU 3W 9M 9V V85 YB DU)	SIAM DX GROUP E2A	<b>E25KAE</b>
SSB: SOAB LP ASEAN (XZ HS XW XU 3W 9M 9V V85 YB DU)	SIAM DX GROUP E2A	<b>4I1EBD</b>
SSB Best Germany + Poland	Uwe Dowidat DL8UD	<b>DG9SEH</b>
<b>For non-Scandinavian multi operators</b>	<b>SPONSOR</b>	<b>WINNER</b>
Best combined score Multi High All	Polenta & Cannoli Group, IK2WAD&co	<b>RK4HYT</b>
<b>For Scandinavian single operators</b>	<b>SPONSOR</b>	<b>WINNER</b>
CW + SSB: Best SOAB HP NON-assisted Scandinavia	Ville Lintervo OH1JD	<b>LA8OM</b>
CW + SSB: Best YL/XYL	Ulf Melin, SB3W	<b>SI9YL</b>
CW + SSB: Best OX/OY/OZ	David Siddall K3ZJ	<b>OZ3SM</b>
CW: Best young operator (under 25)	Kim Östman, OH6KZP	<b>OH5CZ</b>
CW: Best accuracy (at least 300 QSOs)	Henning Andresen, OZ2I	<b>SM5CIL</b>
CW: Best SOAB HP Sweden	Mikael Larssmark, SJ2W	<b>SE5E</b>
CW: Best Low Power Single Wire	Kenneth Lykke Poulsen, OZ1BIZ	<b>LB6GG</b>
SSB: Best young operator (under 25)	René Matthes, DL2JRM	<b>OH3BKL</b>
SSB: Best SOAB HP Sweden	Mikael Larssmark, SJ2W	<b>SE5E</b>

**Sponsor your own favorite plaque**  
[Read more here](#)

## OH2BH Martti



Martti, OH2BH/CU2KG, 75, who has participated the SAC for several years remotely from well-known CR2X Contest QTH in Azores. He is holding the SAC SSB SOAB record from 1999 with highest ever multiplier, 304.

## OH5BM Tapani



Tapani, OH5BM, 71, enjoy working on his towers and scored fifth (5) in the SAC 2021 SOAB SSB.

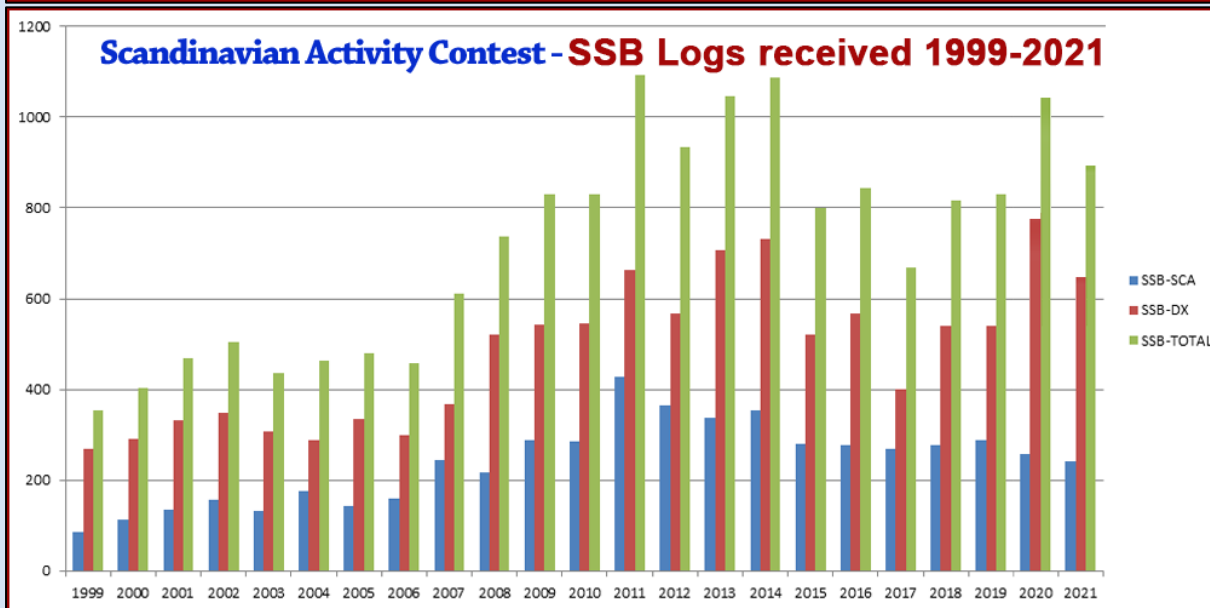
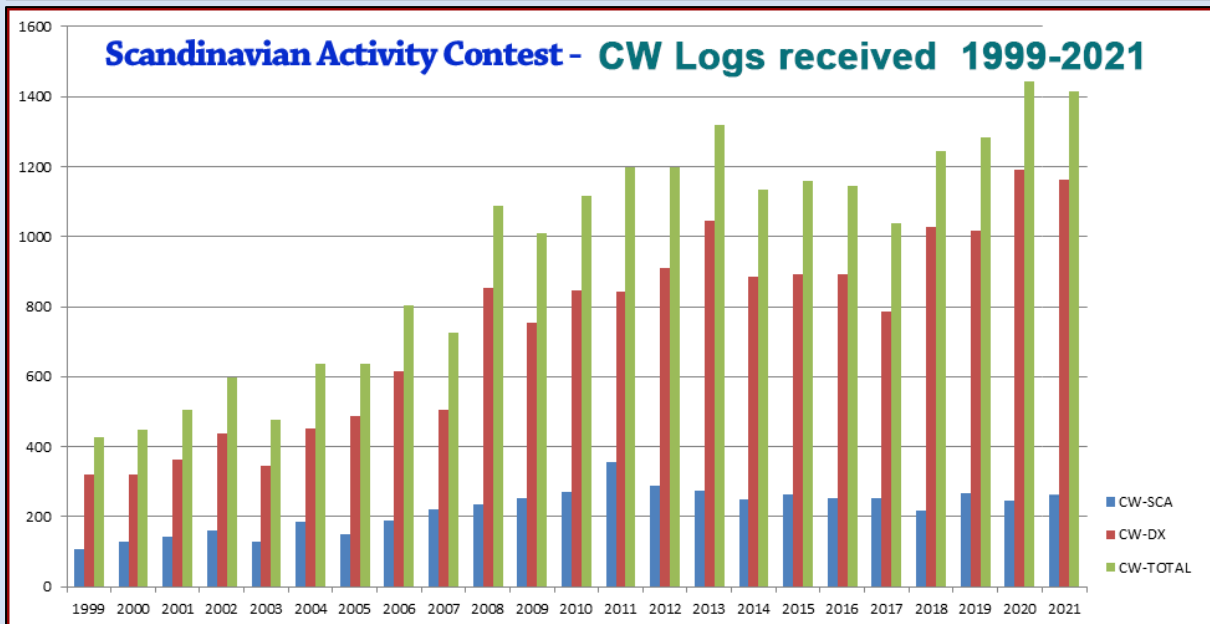
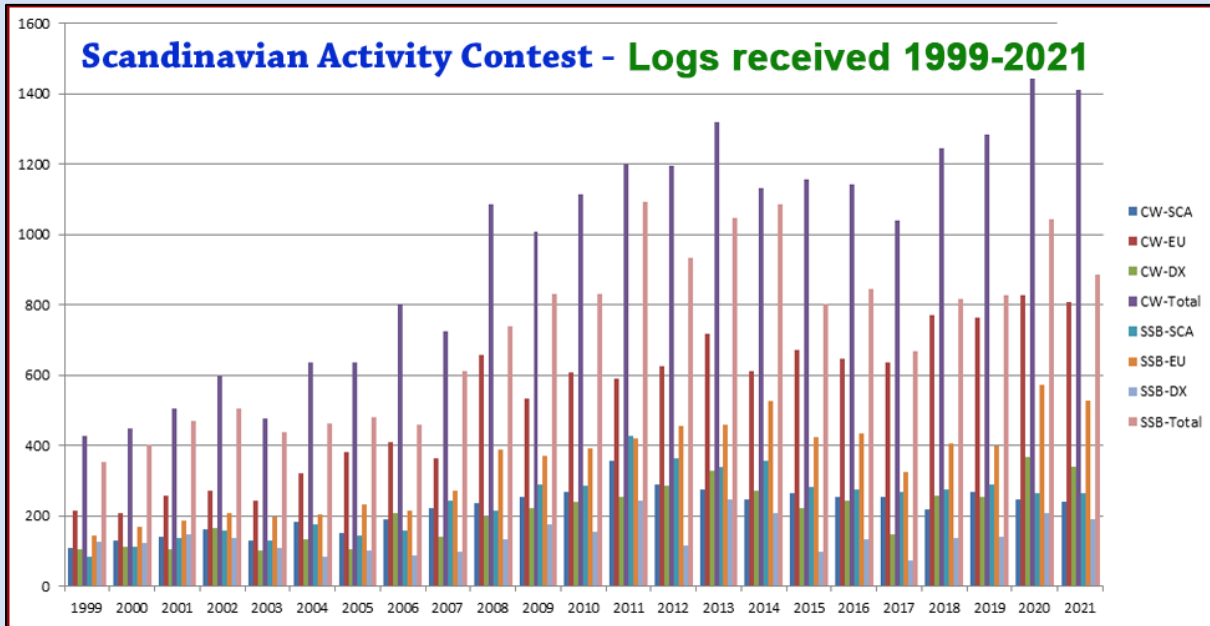
He share his recent frozen picture of the Create Design 80M beam. It is absolutely amazing how the Japanese aluminum can handle the ice loading and at the end of the day always come back straight.



In the SAC 2021 top-10, SOAB CW listing have six (6) 80M beams of various kind. Create is dominating with total of four (4); OH1TX, OH5BM, OH2PM, OH0T and W6RJ/M2 design at OH2BH and home design at OH8X.



# Statistic



# Records

## SCANDINAVIA

### CW

CAT	CALL	YEAR	QSO	POINTS	MULT.	SCORE	OPR.
SO AB HIGH	OH0V	2014	2.519	5.995	274	1.642.630	OH6LI
SO AB LOW	OH0V	2013	1.872	4.225	202	853.450	OH6LI
SO AB QRP	OH0V	2021	801	1.742	126	219.492	OH6LI
SO TB-WIRE HIGH	LA8OM	2016	1.828	4.220	189	797.580	LA8OM
SO TB-WIRE LOW	OH1RX	2013	1.433	3.139	169	530.491	OH1RX
SO ROOKIE HIGH	OH5CZ	2016	1.354	3.072	158	485.376	OH5CZ
SO ROOKIE LOW	OH5CZ	2015	803	1.701	126	214.326	OH5CZ
SO WIRE HIGH	OH6AC	2016	1.349	2.970	162	481.140	OH6CS
SO WIRE LOW	SD7W	2019	1.133	2.374	127	301.498	DL2SWW
SO 80M	8S0DX	2016	616	1.326	50	66.300	SM0DSG
SO 40M	OH7N	2010	1.120	2.602	70	182.140	OH7MA
SO 20M	OH8L	2016	1.240	3.083	80	246.640	OH8LQ
SO 15M	OH6AC	2002	1.074	2.706	77	208.362	OH6CS
SO 10M	OH5BM	2002	635	1.605	66	105.930	
MULTI-ONE	OH1F	2002	2.174	5.248	292	1.532.416	OH1MDR OH1MM OH1NOA
MULTI-MULTI	SK3W	2002	3.871	9.419	342	3.221.298	SM0GNU SM0OEK SM3EVR SM3OSM SM3SGP SM5IMO

### SSB

CAT	CALL	YEAR	QSO	POINTS	MULT.	SCORE	OPR.
SO AB HIGH	OH0B	1999	2.777	7.326	304	2.227.104	OH2BH
SO AB LOW	OH4R	2002	1.373	3.278	230	753.940	OH4JFN
SO AB QRP	LA1DSA	2014	236	504	83	41.832	LA1DSA
SO TB-WIRE HIGH	OH6DX	2021	1.147	2.538	184	466.992	OH6DX
SO TB-WIRE LOW	OH3JP	2014	818	1.756	166	291.496	OH3JP
SO ROOKIE HIGH	SA6NIA	2021	331	733	68	49.844	SA6NIA
SO ROOKIE LOW	OH6ECM	2013	627	1.358	129	175.182	OH6ECM
SO WIRE HIGH	OH6AC	2018	587	1.223	124	151.652	OH6CS
SO WIRE LOW	SF3A	2016	489	1.030	81	83.430	SM3CER
SO 80M	OH6RX	2008	551	1.142	51	58.242	
SO 40M	OH0JFP	2009	1.154	2.624	61	160.064	SM0TQX
SO 20M	OH4A	2002	1.827	4.871	79	384.809	OH6LI
SO 15M	OH5BM	2000	1.573	4.323	88	380.424	
SO 10M	OY9JD	2002	1.185	2.971	81	240.651	
MULTI-ONE	SK3W	2002	2.503	6.524	311	2.028.964	SM0GNU SM3EVR SM5IMO
MULTI-MULTI	OH2U	1999	4.560	12.066	363	4.379.958	OH1JT OH2BVI OH2HE OH2IW OH2JTE OH2XX OH6CT OH7JR



# SCANDINAVIAN ACTIVITY CONTEST

# AFRICA

## CW

CAT	CALL	YEAR	QSO	POINTS	MULT.	SCORE	OPR.
SO AB HIGH	EA8/OH0XX	2020	396	772	128	98.816	OH0XX
SO AB LOW	EA8CN	2001	183	315	97	30.555	
SO AB QRP	EA8/DL2TM	2019	31	31	18	558	

## SSB

CAT	CALL	YEAR	QSO	POINTS	MULT.	SCORE	OPR.
SO AB HIGH ASS	CR3L	2012	532	826	143	118.118	DF3FS
SO AB LOW	EA8/OH2BP	2014	266	340	103	35.020	OH2BP

# ASIA

## CW

CAT	CALL	YEAR	QSO	POINTS	MULT.	SCORE	OPR.
SO AB HIGH ASS	RG9A	2014	765	1.345	186	250.170	RG9A
SO AB LOW ASS	RA9AP	2014	624	1.014	177	179.478	RA9AP
SO AB QRP	RA9SO	2012	339	575	118	67.850	RA9SO
SO LB HIGH ASS	UA9W	2021	267	801	71	56.871	UA9W
MULTI-ONE	UO5L	2011	742	1.258	179	225.182	UN7LZ UN9LAB

## SSB

CAT	CALL	YEAR	QSO	POINTS	MULT.	SCORE	OPR.
SO AB HIGH ASS	5B4AIF	2011	835	1.217	184	223.928	5B4AIE
SO AB LOW	RF9C	2012	475	701	141	98.841	RV9CBW
SO AB QRP	RV9WP	2003	145	227	67	15.209	
SO LB HIGH ASS	RA9MX	2021	16	48	12	576	RA9MX
MULTI-ONE	RK9CWW	2002	455	711	161	114.471	RZ9CO UA9CIR

# EUROPE

## CW

CAT	CALL	YEAR	QSO	POINTS	MULT.	SCORE	OPR.
SO AB HIGH ASS	DL6FBL	2011	955	955	201	191.955	
SO AB LOW ASS	S50XX	2014	705	705	186	131.130	S50XX
SO AB QRP ASS	RW4WA	2014	514	514	177	90.978	RW4WA
SO LB HIGH ASS	LY5W	2015	379	379	80	30.320	LY5W
MULTI-ONE	9A5Y	2014	792	792	192	152.064	9A3NM, 9A5CM, 9A5TO, 9A7DX

## SSB

CAT	CALL	YEAR	QSO	POINTS	MULT.	SCORE	OPR.
SO AB HIGH ASS	LX7I	2012	928	928	191	177.248	OH6KZP
SO AB LOW	I2PJA	2014	667	667	158	105.386	
SO AB QRP	HG3M	2014	431	431	137	59.047	HA3MY
SO LB HIGH ASS	9A9A	2017	359	359	78	28.002	
MULTI-ONE	LZ5R	2012	818	818	180	147.240	LZ1UK LZ3RR LZ4UU

## NORTH AMERICA

### CW

CAT	CALL	YEAR	QSO	POINTS	MULT.	SCORE	OPR.
SO AB HIGH ASS	N2KW	2011	569	983	165	162.195	N2KW
SO AB LOW	VE3DZ	2013	427	691	133	91.903	VE3DZ
SO AB QRP	KR2Q	2010	210	348	80	27.840	
SO LB HIGH ASS	AA2A	2016	203	609	66	40.194	N2KW
MULTI-ONE	AA3B	2010	418	726	125	90.750	

### SSB

CAT	CALL	YEAR	QSO	POINTS	MULT.	SCORE	OPR.
SO AB HIGH	K3ZO	2013	376	530	140	74.200	
SO AB LOW	VE3DZ	2002	268	346	100	34.600	
SO AB QRP	N4BP	2001	206	206	82	16.892	
MULTI-ONE	VA6MA	2013	291	399	105	41.895	VE6JY,VA6MA @ VE6JY

## OCEANIA

### CW

CAT	CALL	YEAR	QSO	POINTS	MULT.	SCORE	OPR.
SO AB HIGH	VK2APK	2002	220	266	88	23.408	
SO AB LOW	VK2APK	2001	219	267	83	22.161	
SO AB QRP	YB0ANN	2015	25	25	19	475	
SO LB HIGH ASS	ZM4G	2015	88	264	33	8.712	ZL2IFB
MULTI-ONE	DU1/JJ5GMJ	2010	34	76	25	1.900	

### SSB

CAT	CALL	YEAR	QSO	POINTS	MULT.	SCORE	OPR.
SO AB HIGH	VK5GN	2001	210	246	80	19.680	
SO AB LOW	VK2APK	2001	205	255	80	20.400	
SO AB QRP	YB2OK	2003	36	36	20	720	
SO LB HIGH ASS	YC5ACD	2020	21	63	12	756	
MULTI-ONE	DV1IIV	2021	47	49	27	1.323	DV1IIV 4G1LDC

## SOUTH AMERICA

### CW

CAT	CALL	YEAR	QSO	POINTS	MULT.	SCORE	OPR.
SO AB HI ASS	PY2ZEA	2011	578	970	156	151.320	OH2MM
SO AB LO	PY4FQ	2011	247	325	104	33.800	PY4FQ
SO AB QRP	PY4ZO	2011	135	175	75	13.125	PY4ZO
SO LB HIGH ASS	CX6VM	2016	47	139	39	5.421	
MULTI-ONE	PT5T	2011	430	718	153	109.854	PP5EG PP5NZ

### SSB

CAT	CALL	YEAR	QSO	POINTS	MULT.	SCORE	OPR.
SO AB HI	PY2ZEA	2012	360	508	133	67.564	OH2MM
SO AB LO	YV8AD	2011	171	317	74	23.458	YV8AD
SO AB QRP	PY4ZO	2011	24	24	18	432	PY4ZO
SO LB HI ASS	PY5DC	2016	10	30	8	240	PY5DC
MULTI-ONE	PS2T	2007	203	377	75	28.275	

# ZD7BG St.Helena

Gilbert, ZD7BG one of the rarest multiplier in the 2021 SAC CW/SSB contests writes:



## Greetings from St. Helena Island in the South Atlantic Ocean.

I started Amateur Radio in 1996 after being persuaded by Derek ZD7CTO that there were many Hams out there looking for CW from St. Helena Island. My first evening on the air was simply amazing! I had heard of pile ups but was not prepared to hear so many stations calling me at the same time. CW continues to be my main mode of operation from the island and I do really enjoy giving everyone the opportunity to log a CW QSO from ZD7 land.

I am now retired after working 45 years in the island's Communications Centre which included the maritime coast station (St. Helena Radio, call sign ZHH). During this period I had the opportunity to witness the island's transformation from HF Radio to today's Satellite Communications.

My station consists of a Yaesu FT-950 transceiver and Cushcraft R8 vertical and G5RV antennas.

Summary - ZD7BG						Rate	
BAND	QSO	DUP	MLTS	POINTS	AVG		
80	0	0	0	0	0.00	All bands - All modes	
40	3	0	3	9	3.00	Last hour: 10 Q/h	
20	45	0	22	45	1.00	10 last QSO: 6 Q/h	
15	55	1	22	55	1.00	100 last QSO: 4 Q/h	
10	1	0	1	1	1.00	Since 1000z: 0 QSO	
TOTAL	104	1	48	110	1.06	Time ON: 7 h 14 min	
<b>FINAL SCORE: 5 280</b>						Time OFF: 13 h 07 min	
						CW 30 WPM	

07/02/2022 07:31:17

The construction of the St. Helena runway was finished in 2015 and the airport opened in 2016. The inaugural scheduled flight was delayed but general aviation, charter, and medical evacuation flights were able to serve the airport from May 2016.



The airport began scheduled commercial services on 14 October 2017, when the South African carrier Airlink inaugurated a weekly service from O. R. Tambo International Airport in Johannesburg, South Africa, via Walvis Bay Airport, Namibia, using an Embraer E190-100IGW, about one and a half years

after the originally expected inauguration date, and with a smaller-sized aircraft, because of wind shear problems affecting the airport.



Additionally, monthly charter flights operate between Ascension Island and Saint Helena.



# SAC Results 2021

## Scandinavia CW

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	OH0T		SO2R	ALL	HI	-	2202	4.919	209	1.028.071	OH2GEK
2	OF5Z		SO2R	ALL	HI	-	2158	4.858	208	1.010.464	OH5CZ
3	OF2BH		SO2R	ALL	HI	-	2071	4.736	202	956.672	ES2RR
4	OH2PM	A		ALL	HI	-	1664	3.727	200	745.400	
5	OF1TX	A		ALL	HI	-	1495	3.279	211	691.869	OH6KZP
6	SE5E	A	SO2R	ALL	HI	-	1637	3.575	188	672.100	SM5AJV
7	OG4X			ALL	HI	-	1636	3.670	174	638.580	OH1MA
8	OG6N	A	SO2R	ALL	HI	-	1637	3.569	172	613.868	OH6NIO
9	OH8X			ALL	HI	-	1624	3.756	163	612.228	OH2MM
10	SM6M	A	SO2R	ALL	HI	-	1430	3.151	172	541.972	
11	OG7A	A		ALL	HI	-	1341	2.994	181	541.914	OH6MW
12	OF4X	A		ALL	HI	-	1497	3.299	163	537.737	OF4X
13	OH8WW	A		ALL	HI	-	1465	3.244	164	532.016	OH8WW
14	OF5TS	A		ALL	HI	-	1392	3.108	165	512.820	OH5TS
15	OF5LF	A		ALL	HI	-	1473	3.330	149	496.170	OH7WV
16	OF1D	A		ALL	HI	-	1252	2.829	169	478.101	OH1JD
17	OF2CV	A		ALL	HI	-	1297	2.870	154	441.980	OH2CV
18	OZ1IKY	A		ALL	HI	-	1294	2.893	152	439.736	
19	LA8OM		SO2R	ALL	HI	TB-WIRE	1483	3.244	134	434.696	LA8OM
20	OH6CT	A		ALL	HI	-	1303	2.875	151	434.125	OH6CT
21	OF3FM	A		ALL	HI	TB-WIRE	1301	2.808	142	398.736	OF3FM
22	OG3B			ALL	HI	TB-WIRE	1265	2.712	146	395.952	OH3RB
23	OH1CX			ALL	HI	-	1133	2.534	150	380.100	OH1CX
24	SB7S	A		ALL	HI	TB-WIRE	1185	2.579	136	350.744	SB7S
25	OV3X	A		ALL	HI	TB-WIRE	1115	2.396	145	347.420	OZ8AE
26	OZ8SW	A		ALL	HI	-	1040	2.298	143	328.614	
27	SM5EPO	A		ALL	HI	-	1063	2.361	138	325.818	SM5EPO
28	OZ2TF			ALL	HI	-	1000	2.225	143	318.175	OZ2TF
29	OZ0B	A		ALL	HI	TB-WIRE	1015	2.199	144	316.656	OZ1ISY
30	LC5T	A		ALL	HI	WIRE	1131	2.420	122	295.240	LB5WB
31	OZ3SM			ALL	HI	TB-WIRE	1114	2.378	121	287.738	OZ3SM
32	OH6OS	A		ALL	HI	-	973	2.165	131	283.615	OH6OS
33	OH3Z			ALL	HI	-	905	1.997	141	281.577	OH1NX
34	LA7AK			ALL	HI	TB-WIRE	1137	2.367	117	276.939	LA7AK
35	SE0X	A		ALL	HI	-	849	1.930	136	262.480	SM0MDG
36	OZ4UN			ALL	HI	-	955	2.026	126	255.276	OZ4UN
37	SD7W			ALL	HI	WIRE	1011	2.165	117	253.305	DL2SWW
38	OH2XX	A		ALL	HI	-	893	1.985	126	250.110	
39	OH1VR			ALL	HI	-	868	1.974	121	238.854	OH1VR
40	LA0CX	A		ALL	HI	-	891	1.950	119	232.050	LA0CX
41	SM3EVR			ALL	HI	-	819	1.809	127	229.743	SM3EVR
42	SF1Z	A		ALL	HI	TB-WIRE	882	1.861	119	221.459	SM0HEV
43	OH7KBF	A		ALL	HI	-	924	1.977	108	213.516	OH7KBF
44	OH2OA			ALL	HI	-	877	1.879	110	206.690	OH2BLV
45	LA7GIA			ALL	HI	-	855	1.869	110	205.590	LA7GIA

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
46	SM6EAN			ALL	HI	-	894	1.903	107	203.621	SM6EAN
47	SD6M			ALL	HI	-	912	1.973	103	203.219	SA6BGR
48	SC6N		SO2R	ALL	HI	-	743	1.638	124	203.112	
49	SM2EZT	A		ALL	HI	-	777	1.680	119	199.920	SM2EZT
50	OF5YU			ALL	HI	-	818	1.748	109	190.532	OH5YU
51	SM0HRP		SO2R	ALL	HI	-	811	1.777	107	190.139	SM0HRP
52	LA5UF			ALL	HI	-	730	1.602	114	182.628	LA5UF
53	OZ2U	A		ALL	HI	-	754	1.610	107	172.270	
54	SM5GLC			ALL	HI	TB-WIRE	642	1.431	116	165.996	SM5GLC
55	OU4N	A		ALL	HI	-	703	1.561	105	163.905	OU4N
56	OH5KW	A		ALL	HI	-	661	1.443	113	163.059	OH5KW
57	OH2KI			ALL	HI	-	678	1.452	112	162.624	
58	SJ3A	A		ALL	HI	-	682	1.467	105	154.035	SM3OMO
59	SM5CCE			ALL	HI	-	681	1.493	102	152.286	
60	LC0C			ALL	HI	-	636	1.467	96	140.832	LA3MHA
61	OX3LX	A		ALL	HI	-	559	1.395	99	138.105	OX3LX
62	SG0M			ALL	HI	-	575	1.210	111	134.310	SA0AQT
63	SM0FPR	A		ALL	HI	WIRE	683	1.452	92	133.584	SM0FPR
64	OF4BCS			ALL	HI	-	565	1.220	106	129.320	OH1ZAA
65	OH3JR			ALL	HI	-	585	1.263	99	125.037	
66	OH2BO	A		ALL	HI	-	497	1.087	114	123.918	OH2BO
67	SM6E	A	SO2R	ALL	HI	-	570	1.254	95	119.130	SM6FUD
68	OY1CT	A		ALL	HI	-	695	1.468	70	102.760	OY1CT
69	SM0S			ALL	HI	-	664	1.417	71	100.607	
70	OH2BA			ALL	HI	-	552	1.212	79	95.748	JK3GAD
71	SE5B			ALL	HI	WIRE	426	930	85	79.050	SE5B
72	OH6XA	A		ALL	HI	TB-WIRE	430	963	81	78.003	OH6XA
73	OH6BA	A		ALL	HI	WIRE	445	939	82	76.998	OH6BA
74	OH6RE	A		ALL	HI	-	452	968	72	69.696	OH6RE
75	OF8CW			ALL	HI	WIRE	429	901	77	69.377	OH8CW
76	SE0B			ALL	HI	-	362	809	71	57.439	SE0B
77	OH3WS			ALL	HI	-	319	672	65	43.680	OH3WS
78	OH1MM			ALL	HI	TB-WIRE	262	546	77	42.042	OH1MM
79	SM3PZG			ALL	HI	-	242	525	69	36.225	SM3PZG
80	OH2BFG			ALL	HI	-	222	484	69	33.396	
81	OH5NE			ALL	HI	-	203	427	65	27.755	OH5NE
82	OH3PE			ALL	HI	-	161	355	69	24.495	
83	OH3EX	A		ALL	HI	-	182	384	54	20.736	OH3EX
84	SA6NIA	A		ALL	HI	ROOKIE	238	541	35	18.935	SA6NIA
85	SM5EIE			ALL	HI	-	136	301	42	12.642	SM5EIE
86	SC0T			ALL	HI	TB-WIRE	62	128	26	3.328	SA0BVX
87	LA7SI			ALL	HI	-	38	80	24	1.920	LA7SI
88	LA7XK	A		ALL	HI	-	28	66	22	1.452	LA7XK
89	OH5SW			ALL	HI	-	23	56	16	896	
90	SM6LJU			ALL	HI	-	23	50	16	800	SM6LJU
91	OH1EB	A		ALL	HI	-	21	52	10	520	OH1EB
92	OH6LNI	A		ALL	HI	TB-WIRE	11	30	7	210	OH6LNI

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	SM5IMO	A		ALL	LO	-	1245	2.706	144	389.664	SM5IMO
2	LA2AB			ALL	LO	-	1143	2.482	130	322.660	LA7MFA
3	OG4W	A		ALL	LO	-	1070	2.319	136	315.384	OH4KZM
4	SM5CSS			ALL	LO	-	1119	2.405	131	315.055	SM5CSS
5	SM6F	A		ALL	LO	TB-WIRE	918	2.009	137	275.233	SM6CUK
6	LB6GG			ALL	LO	WIRE	1011	2.179	117	254.943	
7	SF5O	A		ALL	LO	WIRE	973	2.057	123	253.011	SM0EOS
8	OZ4O	A		ALL	LO	-	803	1.723	116	199.868	OZ4O
9	SD6F	A	SO2R	ALL	LO	TB-WIRE	849	1.796	110	197.560	SM6JWR
10	OZ1AAR			ALL	LO	-	800	1.710	114	194.940	OZ1AAR
11	SE4E	A		ALL	LO	WIRE	795	1.685	104	175.240	SM4DQE
12	SM6FPC	A		ALL	LO	-	626	1.352	113	152.776	SM6FPC
13	OZ/DF4ZL	A		ALL	LO	WIRE	734	1.526	98	149.548	DF4ZL
14	OH3GGQ	A		ALL	LO	-	682	1.436	98	140.728	OH3GGQ
15	SM5DXR			ALL	LO	-	680	1.437	92	132.204	SM5DXR
16	SM5ACQ			ALL	LO	-	682	1.434	89	127.626	SM5ACQ
17	SF6W			ALL	LO	WIRE	664	1.398	91	127.218	SM6EWB
18	SM7FDO			ALL	LO	-	604	1.271	96	122.016	SM7FDO
19	SM5COP			ALL	LO	-	603	1.310	90	117.900	SM5COP
20	OZ7BQ			ALL	LO	-	616	1.293	91	117.663	OZ7BQ
21	SM5S	A		ALL	LO	WIRE	540	1.147	92	105.524	SM5SIC
22	OZ6SYL			ALL	LO	-	569	1.189	87	103.443	DL3KWR
23	SF0A	A		ALL	LO	TB-WIRE	569	1.197	86	102.942	SM0LPO
24	OH3NAQ	A		ALL	LO	WIRE	557	1.165	84	97.860	OH3NAQ
25	SK5AA	A		ALL	LO	-	531	1.129	85	95.965	SM5KRI
26	SF5X	A		ALL	LO	-	509	1.088	86	93.568	SM5EFX
27	SI6T	A		ALL	LO	WIRE	538	1.139	82	93.398	SM6LZQ
28	LA5LJA	A		ALL	LO	TB-WIRE	605	1.287	72	92.664	LA5LJA
29	OZ1IIVA	A		ALL	LO	WIRE	541	1.119	82	91.758	OZ1IIVA
30	SF7M			ALL	LO	WIRE	538	1.122	77	86.394	SM7DUZ
31	SM3EAE	A		ALL	LO	-	561	1.194	71	84.774	SM3EAE
32	SE6U			ALL	LO	-	419	910	90	81.900	SE6U
33	SM6EAT	A		ALL	LO	TB-WIRE	462	1.010	81	81.810	SM6EAT
34	SM5CIL			ALL	LO	TB-WIRE	428	944	82	77.408	SM7CIL
35	SM6OEF			ALL	LO	-	485	1.003	77	77.231	
36	LA2HFA			ALL	LO	-	467	976	79	77.104	LA2HFA
37	SM0Q	A		ALL	LO	TB-WIRE	464	975	77	75.075	SM0Q
38	SM6IQD	A		ALL	LO	-	341	736	86	63.296	SM6IQD
39	SM6NT			ALL	LO	-	424	905	67	60.635	SM6NT
40	OG4T	A		ALL	LO	-	366	757	73	55.261	OH4MFA
41	OH8WR			ALL	LO	-	383	820	66	54.120	OH8WR
42	SM5MX	A		ALL	LO	WIRE	374	769	70	53.830	SM5MX
43	OH2CI			ALL	LO	WIRE	342	715	69	49.335	OH2CI
44	LC4C			ALL	LO	WIRE	319	674	67	45.158	LA5FBA
45	OH5XO			ALL	LO	-	308	665	66	43.890	OH5XO
46	LC9A	A		ALL	LO	-	346	731	55	40.205	LC9A
47	SM6TOL			ALL	LO	-	312	700	56	39.200	SM6TOL
48	OZ5DX			ALL	LO	-	251	554	70	38.780	OZ5DX
49	OZ3TQ			ALL	LO	WIRE	331	666	57	37.962	OZ3TQ
50	SE0C			ALL	LO	TB-WIRE	251	529	70	37.030	SM0CUH



Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
51	SF7X			ALL	LO	-	273	600	56	33.600	SM7HVQ
52	SD5M			ALL	LO	WIRE	243	522	62	32.364	SM5DFM
53	OH2LU			ALL	LO	TB-WIRE	244	508	59	29.972	OH2LU
54	TF3EO			ALL	LO	-	212	491	49	24.059	TF3EO
55	SM7RYR	A		ALL	LO	TB-WIRE	205	476	42	19.992	SM7RYR
56	SE6K			ALL	LO	-	177	369	50	18.450	SM6FZO
57	OH2EV	A		ALL	LO	-	163	339	51	17.289	OH2EV
58	OH5UQ			ALL	LO	-	146	313	51	15.963	OH5UQ
59	OH8TX			ALL	LO	-	164	345	39	13.455	OH8TX
60	OF8KA	A		ALL	LO	-	128	266	44	11.704	OH8KA
61	SM5GRD			ALL	LO	-	130	303	35	10.605	
62	OY/LB5SH			ALL	LO	-	108	230	40	9.200	LB5SH
63	OH2HZ			ALL	LO	WIRE	94	195	38	7.410	OH2HZ
64	SM3U	A		ALL	LO	WIRE	73	159	42	6.678	SM0MPV
65	SJ6A	A		ALL	LO	-	87	190	35	6.650	
66	OH2EA	A		ALL	LO	-	130	264	25	6.600	OH2EA
67	LA6GX			ALL	LO	-	81	179	33	5.907	LA6GX
68	OH1TS			ALL	LO	-	59	129	28	3.612	OH1TS
69	OZ1THC			ALL	LO	-	47	99	27	2.673	OZ1THC
70	OH5MQ			ALL	LO	-	45	99	27	2.673	OH5MQ
71	SM2OTU			ALL	LO	-	40	86	28	2.408	SM2OTU
72	OH2BN			ALL	LO	-	50	105	22	2.310	OH2BN
73	OH2MAS			ALL	LO	-	37	77	17	1.309	OH2MAS
74	OZ2OS			ALL	LO	-	25	58	21	1.218	OZ2OS
75	LB5DI			ALL	LO	WIRE	27	55	15	825	LB5DI
76	SM6LPF	A		ALL	LO	TB-WIRE	20	47	14	658	SM6LPF
77	SM6USS			ALL	LO	TB-WIRE	20	41	15	615	SM6USS
78	OH8FKK			ALL	LO	TB-WIRE	17	39	13	507	
79	OZ5UR			ALL	LO	-	20	41	11	451	OZ5UR
80	LC5W			ALL	LO	-	17	37	12	444	LC5W
81	OH7QR			ALL	LO	-	15	32	12	384	OH7QR
82	SM6GBM			ALL	LO	-	15	31	11	341	SM6GBM
83	LA2XNA			ALL	LO	-	13	30	10	300	LA2XNA
84	TF3VS			ALL	LO	-	8	20	7	140	TF3VS
85	OH3KX			ALL	LO	-	5	12	5	60	OH3KX

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	OH0V	A	SO2R	ALL	QRP	-	801	1.742	126	219.492	OH6LI
2	SM9X	A		ALL	QRP	TB-WIRE	690	1.452	109	158.268	SM0OEK
3	OG3X	A		ALL	QRP	TB-WIRE	287	632	85	53.720	OH3KRH
4	OF3KQ			ALL	QRP	-	239	504	66	33.264	OH3KQ
5	OU2V	A		ALL	QRP	WIRE	250	511	56	28.616	OZ1FJB
6	LA3NGA			ALL	QRP	TB-WIRE	162	363	28	10.164	LA3NGA

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	LA8OM		SO2R	ALL	HI	TB-WIRE	1483	3.244	134	434.696	LA8OM
2	OF3FM	A		ALL	HI	TB-WIRE	1301	2.808	142	398.736	OF3FM
3	OG3B			ALL	HI	TB-WIRE	1265	2.712	146	395.952	OH3RB
4	SB7S	A		ALL	HI	TB-WIRE	1185	2.579	136	350.744	SB7S
5	OV3X	A		ALL	HI	TB-WIRE	1115	2.396	145	347.420	OZ8AE
6	OZ0B	A		ALL	HI	TB-WIRE	1015	2.199	144	316.656	OZ1ISY
7	OZ3SM			ALL	HI	TB-WIRE	1114	2.378	121	287.738	OZ3SM
8	LA7AK			ALL	HI	TB-WIRE	1137	2.367	117	276.939	LA7AK
9	SF1Z	A		ALL	HI	TB-WIRE	882	1.861	119	221.459	SM0HEV
10	SM5GLC			ALL	HI	TB-WIRE	642	1.431	116	165.996	SM5GLC
11	OH6XA	A		ALL	HI	TB-WIRE	430	963	81	78.003	OH6XA
12	OH1MM			ALL	HI	TB-WIRE	262	546	77	42.042	OH1MM
13	SC0T			ALL	HI	TB-WIRE	62	128	26	3.328	SA0BVX
14	OH6LNI	A		ALL	HI	TB-WIRE	11	30	7	210	OH6LNI

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	LC5T	A		ALL	HI	WIRE	1131	2.420	122	295.240	LB5WB
2	SD7W			ALL	HI	WIRE	1011	2.165	117	253.305	DL2SWW
3	SM0FPR	A		ALL	HI	WIRE	683	1.452	92	133.584	SM0FPR
4	SE5B			ALL	HI	WIRE	426	930	85	79.050	SE5B
5	OH6BA	A		ALL	HI	WIRE	445	939	82	76.998	OH6BA
6	OF8CW			ALL	HI	WIRE	429	901	77	69.377	OH8CW

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	SA6NIA	A		ALL	HI	ROOKIE	238	541	35	18.935	SA6NIA

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	SM6F	A		ALL	LO	TB-WIRE	918	2.009	137	275.233	SM6CUK
2	SD6F	A	SO2R	ALL	LO	TB-WIRE	849	1.796	110	197.560	SM6JWR
3	SM9X	A		ALL	QRP	TB-WIRE	690	1.452	109	158.268	SM0OEK
4	SF0A	A		ALL	LO	TB-WIRE	569	1.197	86	102.942	SM0LPO
5	LA5LJA	A		ALL	LO	TB-WIRE	605	1.287	72	92.664	LA5LJA
6	SM6EAT	A		ALL	LO	TB-WIRE	462	1.010	81	81.810	SM6EAT
7	SM5CIL			ALL	LO	TB-WIRE	428	944	82	77.408	SM7CIL
8	SM0Q	A		ALL	LO	TB-WIRE	464	975	77	75.075	SM0Q
9	OG3X	A		ALL	QRP	TB-WIRE	287	632	85	53.720	OH3KRH
10	SE0C			ALL	LO	TB-WIRE	251	529	70	37.030	SM0CUH
11	OH2LU			ALL	LO	TB-WIRE	244	508	59	29.972	OH2LU
12	SM7RYR	A		ALL	LO	TB-WIRE	205	476	42	19.992	SM7RYR
13	LA3NGA			ALL	QRP	TB-WIRE	162	363	28	10.164	LA3NGA
14	SM6LPF	A		ALL	LO	TB-WIRE	20	47	14	658	SM6LPF
15	SM6USS			ALL	LO	TB-WIRE	20	41	15	615	SM6USS
16	OH8FKK			ALL	LO	TB-WIRE	17	39	13	507	

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	LB6GG			ALL	LO	WIRE	1011	2.179	117	254.943	
2	SF5O	A		ALL	LO	WIRE	973	2.057	123	253.011	SM0EOS
3	SE4E	A		ALL	LO	WIRE	795	1.685	104	175.240	SM4DQE
4	OZ/DF4ZL	A		ALL	LO	WIRE	734	1.526	98	149.548	DF4ZL
5	SF6W			ALL	LO	WIRE	664	1.398	91	127.218	SM6EWB
6	SM5S	A		ALL	LO	WIRE	540	1.147	92	105.524	SM5SIC
7	OH3NAQ	A		ALL	LO	WIRE	557	1.165	84	97.860	OH3NAQ
8	SI6T	A		ALL	LO	WIRE	538	1.139	82	93.398	SM6LZQ
9	OZ1IIVA	A		ALL	LO	WIRE	541	1.119	82	91.758	OZ1IIVA
10	SF7M			ALL	LO	WIRE	538	1.122	77	86.394	SM7DUZ
11	SM5MX	A		ALL	LO	WIRE	374	769	70	53.830	SM5MX
12	OH2CI			ALL	LO	WIRE	342	715	69	49.335	OH2CI
13	LC4C			ALL	LO	WIRE	319	674	67	45.158	LA5FBA
14	OZ3TQ			ALL	LO	WIRE	331	666	57	37.962	OZ3TQ
15	SD5M			ALL	LO	WIRE	243	522	62	32.364	SM5DFM
16	OU2V	A		ALL	QRP	WIRE	250	511	56	28.616	OZ1FJB
17	OH2HZ			ALL	LO	WIRE	94	195	38	7.410	OH2HZ
18	SM3U	A		ALL	LO	WIRE	73	159	42	6.678	SM0MPV
19	LB5DI			ALL	LO	WIRE	27	55	15	825	LB5DI

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	7S1DX	A		80M		-	557	1.167	43	50.181	SM0DSG
2	OH3RF			80M		-	387	793	36	28.548	OH3RF
3	OF2YL	A		80M		-	381	782	33	25.806	OF2YL
4	OZ/DL3KWF			80M		-	111	223	25	5.575	
1	OH7N			40M		-	974	2.169	61	132.309	OH2KW
2	OZ2A			40M		-	820	1.720	54	92.880	OZ2A
3	SD1A			40M		-	584	1.197	43	51.471	SM1TDE
4	SF6J			40M		-	418	859	38	32.642	SM6DHF
5	OG7F			40M		-	370	788	39	30.732	OG7F
6	SE6J	A		40M		-	387	805	37	29.785	
7	SM5NBE			40M		-	270	552	33	18.216	SM5NBE
8	LA7AZ			40M		-	191	388	32	12.416	LA7RRA
9	OF7KC			40M		-	175	361	30	10.830	OF7KC
10	OH8TU	A		40M		-	153	308	25	7.700	OH8TU
11	OH7L			40M		-	125	257	24	6.168	OH8TV
12	OH6DX	A		40M		-	81	163	16	2.608	OH6DX
13	OH5QY			40M		-	73	149	17	2.533	OH5QY
14	OH1MAR			40M		-	11	22	4	88	
15	SE1X	A		40M		-	3	6	1	6	
1	OH7K	A		20M		-	1094	2.592	69	178.848	OH7CW
2	OF8L			20M		-	966	2.333	64	149.312	OH8LQ
3	OG5O	A		20M		-	628	1.444	62	89.528	OG55W
4	OH2BKX	A		20M		-	603	1.392	59	82.128	OH2BKX
5	OH7R			20M		-	697	1.605	51	81.855	
6	OG2X	A		20M		-	598	1.337	58	77.546	OH2RM
7	LA9OI			20M		-	621	1.337	53	70.861	LA9OI
8	LB6KC	A		20M		-	432	1.007	43	43.301	LB6KC
9	OH6TN			20M		-	219	526	39	20.514	OH6TN

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
10	TF3W	A		20M		-	215	496	34	16.864	TF3DC
11	OF7KA	A		20M		-	202	451	36	16.236	OH3KAV
12	LA7JO			20M		-	208	451	31	13.981	LA7JO
13	LA2US			20M		-	139	307	30	9.210	LA2US
14	OG3G			20M		-	115	293	27	7.911	OG3G
15	SM3CZS			20M		-	131	282	28	7.896	
16	OH8DR	A		20M		-	117	260	29	7.540	OH8DR
17	LA9DK			20M		-	100	217	21	4.557	LA9DK
18	OF1KH			20M		-	47	105	22	2.310	
19	SM2C			20M		-	53	118	18	2.124	SM2C
20	LA8CJ	A		20M		-	24	55	12	660	LA8CJ
21	OH1XY			20M		-	20	45	13	585	OH1XY
22	OH4KA	A		20M		-	0	0	0	0	OH4KA
1	OH1XX			15M		-	68	155	30	4.650	
2	OH2BJ			15M		-	56	129	27	3.483	OH2BJ
3	OH3AR			15M		-	36	83	18	1.494	OH3MC
4	OZ4ABH			15M		-	28	64	15	960	OZ4ABH
5	OH2LIR			15M		-	5	13	4	52	OH2LIR
6	OH1QX			15M		-	2	6	2	12	OH1ZAA

Multi Operator CW									
#	Call	Class	Band	PWR	QSO	Point	Mult	Score	Operators
1	SJ2W	MULTI-ONE	ALL	HI	2173	5.010	206	1.032.060	SA2CLC SM2LIY SM2WMV
2	OH0Z	MULTI-ONE	ALL	HI	2073	4.770	206	982.620	OH6EI OH2N OH6DD OH2XX
3	OH2BAH	MULTI-ONE	ALL	HI	1409	3.164	165	522.060	OH2BAH OH2BMN OH2PQ
4	SM2U	MULTI-ONE	ALL	HI	1436	3.286	157	515.902	SM0CXU SM0DZB SA0BYP @SM0T
5	SC3A	MULTI-ONE	ALL	HI	1413	3.175	161	511.175	SM3WMU SM3RAB
6	OV2T	MULTI-ONE	ALL	HI	1243	2.669	140	373.660	PA7JWC PA0ABM PD2R
7	OZ0MF	MULTI-ONE	ALL	HI	1116	2.401	135	324.135	DJ4MF DL2JRM
8	OF3AD	MULTI-ONE	ALL	HI	949	2.066	117	241.722	OH7MRU OH8MSG
9	SK0QO	MULTI-ONE	ALL	HI	770	1.690	119	201.110	SM0DSF SM0NUE SM0DCD SA0BJL SM5OUU
10	SJ0X	MULTI-ONE	ALL	HI	798	1.754	107	187.678	SA0LAT SM0JCA SM0W
11	SG4G	MULTI-ONE	ALL	HI	784	1.674	107	179.118	SM0JST SM0NSJ
12	LA3OCT	MULTI-ONE	ALL	HI	290	609	70	42.630	LA1LO LA1BN

Multi Operator CW									
#	Call	Class	Band	PWR	QSO	Point	Mult	Score	Operators
1	OF1F	MULTI-MULTI	ALL	HI	2598	5.909	228	1.347.252	OH1TM OH1NOA OH1RX OH1HS
2	LN8W	MULTI-MULTI	ALL	HI	2625	5.937	222	1.318.014	LA0GE LA3BO LA6YEA LB3RE LB8DC
3	OF9W	MULTI-MULTI	ALL	HI	2220	4.853	186	902.658	OH2BCI OH2TA OH2LQ OH5BQ OH5LLR
4	SK3W	MULTI-MULTI	ALL	HI	1839	4.139	192	794.688	SM0GNU SM3SGP
5	SC7DX	MULTI-MULTI	ALL	HI	1701	3.730	176	656.480	SM7GIB SM7IUN SM0HJZ SM7JNT SM7VZX

## Checklogs CW

LA1U, OU2W, TF3DC

# Scandinavia SSB

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	OH0V	A	SO2R	ALL	HI	-	1697	4.051	224	907.424	OH6LI
2	SE5E	A	SO2R	ALL	HI	-	1317	2.987	196	585.452	SM5AJV
3	OF2R	A	SO2R	ALL	HI	-	1287	2.867	204	584.868	OH2GEK
4	OH8L	A	SO2R	ALL	HI	-	1282	2.970	181	537.570	OH8LQ
5	OF4X	A		ALL	HI	-	1134	2.551	205	522.955	OH5BM
6	OG6N	A	SO2R	ALL	HI	-	1222	2.723	185	503.755	OH6NIO
7	OG5A	A		ALL	HI	-	1070	2.421	196	474.516	OH5TS
8	OH6DX	A		ALL	HI	TB-WIRE	1147	2.538	184	466.992	OH6DX
9	OZ4MD			ALL	HI	-	907	2.140	163	348.820	OZ4MD
10	SG0X	A		ALL	HI	-	965	2.162	149	322.138	SM0MLZ
11	OH6RE	A		ALL	HI	-	853	1.798	160	287.680	OH6RE
12	OG7A	A		ALL	HI	-	765	1.825	151	275.575	OH6MW
13	OH3Z			ALL	HI	-	649	1.508	150	226.200	OH3Z
14	OG2T	A		ALL	HI	-	720	1.552	145	225.040	OH5LLR
15	OH2OA			ALL	HI	-	789	1.660	128	212.480	OH2BLV
16	OH6OS	A		ALL	HI	-	644	1.460	131	191.260	OH6OS
17	SA6U	A		ALL	HI	-	575	1.307	139	181.673	SM6LJU
18	OF1RX	A		ALL	HI	-	514	1.130	145	163.850	OH1RX
19	OF100SRAL	A		ALL	HI	-	584	1.270	129	163.830	OH2CV
20	OH3JR			ALL	HI	-	593	1.285	126	161.910	OH3JR
21	SE0X	A		ALL	HI	-	633	1.375	112	154.000	DD1MAT
22	SI9YL	A		ALL	HI	-	582	1.267	100	126.700	SM3LIV
23	OH5NBJ			ALL	HI	-	522	1.097	108	118.476	OH5NBJ
24	OV9M			ALL	HI	WIRE	516	1.077	106	114.162	DF9TM
25	LA8OM			ALL	HI	TB-WIRE	508	1.105	102	112.710	LA8OM
26	SM5EPO	A		ALL	HI	-	418	969	111	107.559	SM5EPO
27	LA7AK			ALL	HI	TB-WIRE	533	1.083	99	107.217	LA7AK
28	OH1X			ALL	HI	-	380	853	118	100.654	OH3WW
29	OZ0J	A		ALL	HI	-	381	927	100	92.700	OZ0J
30	OH9GGY			ALL	HI	TB-WIRE	506	1.065	86	91.590	OH9GGY
31	SM6MVE	A		ALL	HI	TB-WIRE	378	789	108	85.212	SM6MVE
32	SG0M			ALL	HI	-	424	878	96	84.288	SA0AQT
33	OH2KI			ALL	HI	-	363	768	109	83.712	
34	OV7X	A		ALL	HI	WIRE	390	845	98	82.810	DM7XX
35	SM6NT			ALL	HI	-	365	791	103	81.473	SM6NT
36	SC7DX	A		ALL	HI	-	339	778	102	79.356	SM7GIB
37	SM2S			ALL	HI	-	485	1.027	75	77.025	SM2S
38	8S0C	A		ALL	HI	TB-WIRE	344	750	100	75.000	SM0MPV
39	SM2M	A		ALL	HI	-	404	927	79	73.233	SM2LIY
40	OH8WR		SO2R	ALL	HI	-	396	857	82	70.274	OH8WR
41	OH2LH			ALL	HI	WIRE	415	851	79	67.229	OH2LH
42	SM5V			ALL	HI	-	313	673	92	61.916	SM5V
43	OG6B			ALL	HI	-	321	671	90	60.390	OH1ZAA
44	SE6U			ALL	HI	-	295	658	90	59.220	SM6KNL
45	SB7W			ALL	HI	TB-WIRE	296	648	90	58.320	
46	SA6NIA			ALL	HI	ROOKIE	331	733	68	49.844	SA6NIA
47	OZ2PBS	A		ALL	HI	-	272	648	76	49.248	OZ2PBS
48	OH1EB	A		ALL	HI	-	297	663	68	45.084	OH1EB

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
49	LC5C			ALL	HI	WIRE	270	553	57	31.521	LA6KOA
50	LA4ESA			ALL	HI	TB-WIRE	212	446	68	30.328	LA4ESA
51	TF8KY			ALL	HI	-	195	453	60	27.180	TF8KY
52	SM2CEW			ALL	HI	-	207	432	60	25.920	SM2CEW
53	OF1TD	A		ALL	HI	-	176	370	66	24.420	OF1TD
54	SF1Z			ALL	HI	TB-WIRE	182	397	59	23.423	SM0HEV
55	5Q2J	A		ALL	HI	-	174	427	51	21.777	5Q2J
56	OF7KC	A		ALL	HI	-	168	348	57	19.836	OH7MFO
57	OZ5E			ALL	HI	-	126	286	62	17.732	OZ5E
58	OZ400HS			ALL	HI	-	130	309	47	14.523	5P1KZX
59	LC5W			ALL	HI	-	139	291	48	13.968	LC5W
60	SE5N	A		ALL	HI	-	120	267	49	13.083	SM5ISM
61	OH1XY			ALL	HI	-	99	223	53	11.819	OH1XY
62	SA6SKA			ALL	HI	TB-WIRE	116	240	48	11.520	SA6SKA
63	SM5B			ALL	HI	TB-WIRE	119	246	45	11.070	SM5EMR
64	SM7ATL			ALL	HI	-	110	233	45	10.485	SM7ATL
65	SM5W			ALL	HI	-	93	211	46	9.706	SM5W
66	OH2XX	A		ALL	HI	-	126	321	29	9.309	
67	SM6YEC	A		ALL	HI	-	101	207	44	9.108	SM6YEC
68	LA5VK			ALL	HI	-	102	211	34	7.174	LA5VK
69	LA8CJ	A		ALL	HI	-	82	212	26	5.512	LA8CJ
70	SA6P			ALL	HI	-	69	154	32	4.928	SA6P
71	OH6CT	A		ALL	HI	-	52	122	28	3.416	OH6CT
72	SA5HUB			ALL	HI	WIRE	50	102	32	3.264	SA5HUB
73	SE6C			ALL	HI	-	56	118	26	3.068	SE6C
74	OZ8AGB	A		ALL	HI	WIRE	57	116	22	2.552	OZ8AGB
75	OH5NE			ALL	HI	-	43	88	22	1.936	OH5NE
76	OH3KX			ALL	HI	-	42	86	22	1.892	OH3KX
77	LA6GHA			ALL	HI	-	25	51	18	918	
78	SM7IUN			ALL	HI	WIRE	23	53	17	901	
79	OF1D	A		ALL	HI	-	24	58	15	870	OH1JD
80	SM5TNL			ALL	HI	-	21	43	14	602	SM5TNL
81	LA6LLA			ALL	HI	-	21	42	14	588	LA6LLA
82	SD1A			ALL	HI	WIRE	13	27	9	243	SM1TDE
83	OZ1KIH	A		ALL	HI	-	12	24	9	216	OZ1KIH
84	SM0WJH			ALL	HI	-	11	23	6	138	
85	OH5SW			ALL	HI	-	2	4	1	4	OH5SW

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	OG4W	A		ALL	LO	-	647	1.365	142	193.830	OH4KZM
2	OH1Z	A	SO2R	ALL	LO	-	624	1.328	142	188.576	OH1LEG
3	OH6ECM			ALL	LO	TB-WIRE	554	1.182	109	128.838	OH6ECM
4	SM5IMO	A		ALL	LO	-	487	1.105	107	118.235	SM5IMO
5	SB7S	A		ALL	LO	WIRE	486	1.008	113	113.904	SB7S
6	OG2Y			ALL	LO	-	451	943	113	106.559	OH3BKL
7	OH6F	A		ALL	LO	-	417	874	100	87.400	OH6F
8	LA7WRA			ALL	LO	-	272	557	82	45.674	LA7WRA
9	OH6LW			ALL	LO	-	308	638	65	41.470	OH6LW

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
10	OZ1D			ALL	LO	-	233	503	80	40.240	OZ1HHH
11	SM5DXR			ALL	LO	-	262	535	74	39.590	SM5DXR
12	LC1P			ALL	LO	WIRE	224	467	81	37.827	LA1DSA
13	LA3BPA	A		ALL	LO	-	199	422	76	32.072	LA3BPA
14	OF3RF			ALL	LO	-	197	433	71	30.743	OF3RF
15	OH5FM			ALL	LO	TB-WIRE	199	428	68	29.104	OH5KIZ
16	SK6BA			ALL	LO	WIRE	183	397	73	28.981	SM6TZL
17	SM3EAE	A		ALL	LO	-	265	543	51	27.693	SM3EAE
18	OH6BQH			ALL	LO	TB-WIRE	241	498	55	27.390	OH6BQH
19	SE6K	A		ALL	LO	-	170	353	65	22.945	SM6FZO
20	OZ1KVM	A		ALL	LO	-	134	299	67	20.033	OZ1KVM
21	OZ1KKH			ALL	LO	TB-WIRE	136	292	61	17.812	OZ1KKH
22	OH2BRG	A		ALL	LO	ROOKIE	170	353	49	17.297	OH2BRG
23	OH8RX			ALL	LO	ROOKIE	132	277	60	16.620	
24	OH2NC			ALL	LO	WIRE	153	317	52	16.484	OH2NC
25	SE5Z	A		ALL	LO	WIRE	123	265	54	14.310	SA5BCG
26	OH9EGH			ALL	LO	-	126	262	51	13.362	OH9EGH
27	TF2MSN			ALL	LO	-	126	282	46	12.972	TF2MSN
28	SB7A	A		ALL	LO	-	133	274	47	12.878	SA7LAK
29	LC7D			ALL	LO	-	107	223	56	12.488	LA6PBA
30	OZ4NA			ALL	LO	TB-WIRE	118	247	49	12.103	OZ4NA
31	OH3UAI			ALL	LO	-	111	236	51	12.036	OH3UAI
32	SM3KJA			ALL	LO	-	112	231	49	11.319	SM3KJA
33	SB5X			ALL	LO	-	97	219	49	10.731	SB5X
34	LA7TN			ALL	LO	-	120	249	43	10.707	LA7TN
35	OH2HZ			ALL	LO	TB-WIRE	105	224	46	10.304	OH2HZ
36	SM5ACQ			ALL	LO	-	108	220	46	10.120	SM5ACQ
37	SA0JSJ			ALL	LO	-	94	196	50	9.800	SA0JSJ
38	OH4MVH	A		ALL	LO	TB-WIRE	93	202	46	9.292	OH4MVH
39	OZ3ANT			ALL	LO	TB-WIRE	88	187	46	8.602	OZ3ANT
40	SM5JVF			ALL	LO	-	91	193	42	8.106	SM5JVF
41	OZ0MF	A		ALL	LO	WIRE	98	207	39	8.073	DL2JRM
42	LA2GKA	A		ALL	LO	-	87	179	41	7.339	LA2GKA
43	SJ6A			ALL	LO	-	97	206	35	7.210	SM6JSM
44	SE4E	A		ALL	LO	WIRE	78	167	40	6.680	SM4DQE
45	SM5MRQ			ALL	LO	-	73	150	41	6.150	SM5MRQ
46	SA6IMI			ALL	LO	ROOKIE	83	169	34	5.746	SA6IMI
47	LB4YI			ALL	LO	ROOKIE	65	137	40	5.480	LB4YI
48	OH6JE			ALL	LO	-	66	138	39	5.382	OH6JE
49	OH3NAQ			ALL	LO	WIRE	64	136	39	5.304	OH3NAQ
50	SD3T			ALL	LO	-	69	146	35	5.110	SM7XEN
51	SE5W	A		ALL	LO	-	62	136	37	5.032	SM5NQB
52	OH3BKN	A		ALL	LO	TB-WIRE	61	136	35	4.760	OH3BKN
53	SI0W	A		ALL	LO	TB-WIRE	63	143	31	4.433	SM0NSJ
54	OH6EHZ	A		ALL	LO	-	56	123	33	4.059	OH6EHZ
55	SM6USS			ALL	LO	TB-WIRE	57	134	30	4.020	SM6USS
56	SM6IQD	A		ALL	LO	-	59	128	31	3.968	SM6IQD
57	OH1PG			ALL	LO	WIRE	54	116	34	3.944	OH1PG
58	SK6L			ALL	LO	TB-WIRE	60	128	30	3.840	SK6L
59	OZ5XN			ALL	LO	WIRE	48	108	34	3.672	OZ5XN

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
60	OH8KVY	A		ALL	LO	-	64	135	27	3.645	OH8KVY
61	LB4ZI			ALL	LO	ROOKIE	55	121	30	3.630	LB4ZI
62	OH3RF	A		ALL	LO	-	57	126	28	3.528	OF3RF
63	OZ1DYI			ALL	LO	-	51	109	32	3.488	OZ1DYI
64	OF2BGR			ALL	LO	TB-WIRE	46	99	31	3.069	
65	LA5LJA			ALL	LO	-	59	125	24	3.000	LA5LJA
66	OF5MQ			ALL	LO	-	44	92	28	2.576	OF5MQ
67	SA6KOD			ALL	LO	ROOKIE	48	97	23	2.231	SA6KOD
68	LA6GX			ALL	LO	-	43	87	25	2.175	LA6GX
69	OH5UQ			ALL	LO	-	40	83	26	2.158	OH5UQ
70	OH3WS			ALL	LO	-	35	74	21	1.554	OH3WS
71	OF2BXT			ALL	LO	TB-WIRE	30	63	22	1.386	OH2BXT
72	SA2APO			ALL	LO	TB-WIRE	34	70	18	1.260	SA2APO
73	SA0SOA			ALL	LO	ROOKIE	25	55	20	1.100	
74	SF5O	A		ALL	LO	WIRE	28	56	19	1.064	SM0EOS
75	OH1POR			ALL	LO	-	27	56	19	1.064	OH1POR
76	LA8RTA			ALL	LO	-	27	55	16	880	
77	SA5JUS	A		ALL	LO	WIRE	25	53	16	848	SA5JUS
78	SA6FAX			ALL	LO	ROOKIE	28	56	13	728	SA6FAX
79	LA3RNA			ALL	LO	-	18	39	14	546	LA3RNA
80	SA4DHT			ALL	LO	WIRE	18	37	14	518	
81	SM5LSM			ALL	LO	-	17	35	14	490	SM5LSM
82	SM0WAV			ALL	LO	WIRE	17	34	10	340	SM0WAV
83	SM4FYX			ALL	LO	WIRE	10	20	9	180	SM4FYX
84	OH8FKK			ALL	LO	TB-WIRE	9	18	8	144	
85	SM4HBG			ALL	LO	WIRE	9	18	7	126	
86	LB2VI			ALL	LO	-	8	16	7	112	LB2VI
87	OH5NS			ALL	LO	-	6	12	5	60	OH5NS
88	SM5S			ALL	LO	WIRE	5	10	4	40	SM5SIC
89	SA4AVS			ALL	LO	-	5	10	4	40	SA4AVS
90	OH2CCD			ALL	LO	ROOKIE	4	8	3	24	OH2CCD
91	SM3TTZ			ALL	LO	-	3	6	3	18	SM3TTZ
92	OH2ECG			ALL	LO	WIRE	3	6	3	18	
93	LA7USA			ALL	LO	TB-WIRE	3	6	3	18	
94	OF2II			ALL	LO	TB-WIRE	3	6	1	6	

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	8S3DX			ALL	QRP	TB-WIRE	183	419	74	31.006	SM3LDP
2	LB1LG			ALL	QRP	TB-WIRE	75	156	31	4.836	LB1LG
3	LC4C			ALL	QRP	WIRE	67	136	33	4.488	LC4C
4	OH3KQ			ALL	QRP	-	44	95	27	2.565	OH3KQ
5	SE5M			ALL	QRP	WIRE	7	15	5	75	SA5QED
6	OU2V	A		ALL	QRP	-	1	3	1	3	OZ1FJB



Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	OH6DX	A		ALL	HI	TB-WIRE	1147	2.538	184	466.992	OH6DX
2	LA8OM			ALL	HI	TB-WIRE	508	1.105	102	112.710	LA8OM
3	LA7AK			ALL	HI	TB-WIRE	533	1.083	99	107.217	LA7AK
4	OH9GGY			ALL	HI	TB-WIRE	506	1.065	86	91.590	OH9GGY
5	SM6MVE	A		ALL	HI	TB-WIRE	378	789	108	85.212	SM6MVE
6	8S0C	A		ALL	HI	TB-WIRE	344	750	100	75.000	SM0MPV
7	SB7W			ALL	HI	TB-WIRE	296	648	90	58.320	
8	LA4ESA			ALL	HI	TB-WIRE	212	446	68	30.328	LA4ESA
9	SF1Z			ALL	HI	TB-WIRE	182	397	59	23.423	SM0HEV
10	SA6SKA			ALL	HI	TB-WIRE	116	240	48	11.520	SA6SKA
11	SM5B			ALL	HI	TB-WIRE	119	246	45	11.070	SM5EMR

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	OH6ECM			ALL	LO	TB-WIRE	554	1.182	109	128.838	OH6ECM
2	8S3DX			ALL	QRP	TB-WIRE	183	419	74	31.006	SM3LDP
3	OH5FM			ALL	LO	TB-WIRE	199	428	68	29.104	OH5KIZ
4	OH6BQH			ALL	LO	TB-WIRE	241	498	55	27.390	OH6BQH
5	OZ1KKH			ALL	LO	TB-WIRE	136	292	61	17.812	OZ1KKH
6	OZ4NA			ALL	LO	TB-WIRE	118	247	49	12.103	OZ4NA
7	OH2HZ			ALL	LO	TB-WIRE	105	224	46	10.304	OH2HZ
8	OH4MVH	A		ALL	LO	TB-WIRE	93	202	46	9.292	OH4MVH
9	OZ3ANT			ALL	LO	TB-WIRE	88	187	46	8.602	OZ3ANT
10	LB1LG			ALL	QRP	TB-WIRE	75	156	31	4.836	LB1LG
11	OH3BKN	A		ALL	LO	TB-WIRE	61	136	35	4.760	OH3BKN
12	SI0W	A		ALL	LO	TB-WIRE	63	143	31	4.433	SM0NSJ
13	SM6USS			ALL	LO	TB-WIRE	57	134	30	4.020	SM6USS
14	SK6L			ALL	LO	TB-WIRE	60	128	30	3.840	SK6L
15	OF2BGR			ALL	LO	TB-WIRE	46	99	31	3.069	
16	OF2BXT			ALL	LO	TB-WIRE	30	63	22	1.386	OH2BXT
17	SA2APO			ALL	LO	TB-WIRE	34	70	18	1.260	SA2APO
18	OH8FKK			ALL	LO	TB-WIRE	9	18	8	144	
19	LA7USA			ALL	LO	TB-WIRE	3	6	3	18	
20	OF2II			ALL	LO	TB-WIRE	3	6	1	6	

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	OV9M			ALL	HI	WIRE	516	1.077	106	114.162	DF9TM
2	OV7X	A		ALL	HI	WIRE	390	845	98	82.810	DM7XX
3	OH2LH			ALL	HI	WIRE	415	851	79	67.229	OH2LH
4	LC5C			ALL	HI	WIRE	270	553	57	31.521	LA6KOA
5	SA5HUB			ALL	HI	WIRE	50	102	32	3.264	SA5HUB
6	OZ8AGB	A		ALL	HI	WIRE	57	116	22	2.552	OZ8AGB
7	SM7IUN			ALL	HI	WIRE	23	53	17	901	
8	SD1A			ALL	HI	WIRE	13	27	9	243	SM1TDE

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	SB7S	A		ALL	LO	WIRE	486	1.008	113	113.904	SB7S
2	LC1P			ALL	LO	WIRE	224	467	81	37.827	LA1DSA
3	SK6BA			ALL	LO	WIRE	183	397	73	28.981	SM6TZL
4	OH2NC			ALL	LO	WIRE	153	317	52	16.484	OH2NC
5	SE5Z	A		ALL	LO	WIRE	123	265	54	14.310	SA5BCG
6	OZ0MF	A		ALL	LO	WIRE	98	207	39	8.073	DL2JRM
7	SE4E	A		ALL	LO	WIRE	78	167	40	6.680	SM4DQE
8	OH3NAQ			ALL	LO	WIRE	64	136	39	5.304	OH3NAQ
9	LC4C			ALL	QRP	WIRE	67	136	33	4.488	LC4C
10	OH1PG			ALL	LO	WIRE	54	116	34	3.944	OH1PG
11	OZ5XN			ALL	LO	WIRE	48	108	34	3.672	OZ5XN
12	SF5O	A		ALL	LO	WIRE	28	56	19	1.064	SM0EOS
13	SA5JUS	A		ALL	LO	WIRE	25	53	16	848	SA5JUS
14	SA4DHT			ALL	LO	WIRE	18	37	14	518	
15	SM0WAV			ALL	LO	WIRE	17	34	10	340	SM0WAV
16	SM4FYX			ALL	LO	WIRE	10	20	9	180	SM4FYX
17	SM4HBG			ALL	LO	WIRE	9	18	7	126	
18	SE5M			ALL	QRP	WIRE	7	15	5	75	SA5QED
19	SM5S			ALL	LO	WIRE	5	10	4	40	SM5SIC
20	OH2ECG			ALL	LO	WIRE	3	6	3	18	

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	SA6NIA			ALL	HI	ROOKIE	331	733	68	49.844	SA6NIA

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	OH2BRG	A		ALL	LO	ROOKIE	170	353	49	17.297	OH2BRG
2	OH8RX			ALL	LO	ROOKIE	132	277	60	16.620	
3	SA6IMI			ALL	LO	ROOKIE	83	169	34	5.746	SA6IMI
4	LB4YI			ALL	LO	ROOKIE	65	137	40	5.480	LB4YI
5	LB4ZI			ALL	LO	ROOKIE	55	121	30	3.630	LB4ZI
6	SA6KOD			ALL	LO	ROOKIE	48	97	23	2.231	SA6KOD
7	SA0SOA			ALL	LO	ROOKIE	25	55	20	1.100	
8	SA6FAX			ALL	LO	ROOKIE	28	56	13	728	SA6FAX
9	OH2CCD			ALL	LO	ROOKIE	4	8	3	24	OH2CCD

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	OU8A			80M		-	107	215	23	4.945	5P00
2	SM0N			80M		-	86	172	21	3.612	SM0JCA
3	OZ3SM			80M		-	63	127	19	2.413	OZ3SM
1	OH2BJ			40M		-	479	976	49	47.824	OH2BJ
2	OF2MZA			40M		-	63	127	17	2.159	OH1ZAA
3	OZ8ZS	A		40M		-	42	84	11	924	
4	OZ9V			40M		-	25	50	13	650	OZ9V
5	OH9FOXI			40M		-	0	0	0	0	
1	TF3T			20M		-	1283	3.154	64	201.856	

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
2	SG8X			20M		-	1098	2.621	73	191.333	SG8X
3	OH7K			20M		-	1154	2.647	72	190.584	OH7JL
4	SM5X			20M		-	847	2.019	67	135.273	SM5GMZ
5	OH8X			20M		-	851	1.950	63	122.850	OH8NC
6	LA7JO			20M		-	761	1.640	66	108.240	LA7JO
7	SF4D	A		20M		-	526	1.162	62	72.044	SM4LMV
8	OF8Z	A		20M		-	379	783	46	36.018	OH8MCT
9	OH6XY			20M		-	349	763	44	33.572	OH6XY
10	OH7R			20M		-	276	585	43	25.155	
11	LA0GE			20M		-	192	418	41	17.138	LA0GE
12	OG66X			20M		-	193	484	29	14.036	OH8WW
13	LC8C			20M		-	145	311	38	11.818	LA8FTA
14	OH3BHL			20M		-	150	320	33	10.560	OH3BHL
15	OG2X			20M		-	113	243	29	7.047	OH2RM
16	SM6C			20M		-	89	189	29	5.481	
17	SE4L			20M		-	79	172	30	5.160	SA0FIA
18	TF3AO	A		20M		-	91	196	22	4.312	TF3AO
19	OH4KA			20M		-	44	89	16	1.424	OH4KA
20	OF5C			20M		-	39	80	15	1.200	OH5CW
21	OH1MM			20M		-	26	55	12	660	OH1MM
22	SK6QA	A		20M		-	20	40	12	480	SA6AXR
23	OF4BCS			20M		-	13	28	10	280	OH1ZAA
1	OG5O	A		15M		-	268	678	49	33.222	OG55W
2	OH8WW			15M		-	262	624	53	33.072	OH8WW
3	SK3W			15M		-	213	578	47	27.166	SM0GNU
4	OH3XA			15M		-	150	384	36	13.824	OH3XA
5	OH1VR			15M		-	92	243	29	7.047	OH1VR
6	OG3B			15M		-	90	201	30	6.030	OH3RB
7	OF5ZA			15M		-	12	31	8	248	OH1ZAA
8	OH5C			15M		-	11	25	7	175	OH5CW
9	SM6WYN			15M		-	5	12	5	60	
1	OH5LAQ			10M		-	3	8	3	24	OH5CW
2	OH5CY			10M		-	1	3	1	3	OH5CY
3	OF3BCX			10M		-	1	3	1	3	OH1ZAA

Multi Operator SSB									
#	Call	Class	Band	PWR	QSO	Point	Mult	Score	Operators
1	OF1F	MULTI-ONE	ALL	HI	1573	3.664	237	868.368	OH1NOA OH1TM
2	OF9W	MULTI-ONE	ALL	HI	1075	2.426	179	434.254	OH2BCI OH2KW OH2TA OH5BQ
3	OH2BAH	MULTI-ONE	ALL	HI	1039	2.305	177	407.985	OH2BAH OH2BMN OH2PQ
4	SC3A	MULTI-ONE	ALL	HI	885	1.942	150	291.300	SM3WMU SM3RAB
5	OI3V	MULTI-ONE	ALL	HI	902	1.938	150	290.700	OH3BJL OH3KAV OH3LB
6	OF5Z	MULTI-ONE	ALL	HI	752	1.709	162	276.858	OH5CZ OH6XX OH7WV
7	SK6AW	MULTI-ONE	ALL	HI	760	1.687	143	241.241	SA6CBY SA6BGR SA6CBN
8	SM2U	MULTI-ONE	ALL	HI	747	1.668	136	226.848	SM0T SM0CXU @SM0T
9	LN1B	MULTI-ONE	ALL	HI	697	1.579	131	206.849	LA4XLA LA6VQ
10	OH6K	MULTI-ONE	ALL	HI	691	1.528	121	184.888	OH6MSZ OH6FSG
11	OZ6HR	MULTI-ONE	ALL	HI	668	1.408	119	167.552	OZ1QZ OZ7MC
12	SJ2W	MULTI-ONE	ALL	HI	521	1.209	118	142.662	SA2CLC SM2WMV

Multi Operator SSB									
#	Call	Class	Band	PWR	QSO	Point	Mult	Score	Operators
13	SK4AO	MULTI-ONE	ALL	HI	493	1.120	119	133.280	SK4AO
14	SK0QO	MULTI-ONE	ALL	HI	465	979	114	111.606	SM0DCD SM0BYO SM0NUE SM0DSF SA0SOA
15	SJ3A	MULTI-ONE	ALL	HI	433	905	101	91.405	SM3OMO SA3MYS
16	OF4O	MULTI-ONE	ALL	HI	380	807	105	84.735	OH2GTQ OH5HQO OH2LGW
17	JW5X	MULTI-ONE	ALL	HI	432	964	67	64.588	LA7XK LA9DL
18	LA1UKA	MULTI-ONE	ALL	HI	117	246	38	9.348	LB5DH LB0VG LB5PI LB9WI LB7IG LB1AJ
19	SK6MA	MULTI-ONE	ALL	HI	59	122	32	3.904	SM7HVQ SM6XWE SA6ANW SM6VAG

Multi Operator SSB									
#	Call	Class	Band	PWR	QSO	Point	Mult	Score	Operators
1	LN8W	MULTI-MULTI	ALL	HI	1933	4.803	234	1.123.902	LA5KO LB1G LB1HI LB1RH LB1TI LB3RE LB7PI
2	SK6HD	MULTI-MULTI	ALL	HI	1277	2.890	215	621.350	SA6BET SM6FKF SM6NCS SM6NOC
3	LN2T	MULTI-MULTI	ALL	HI	931	2.064	138	284.832	LA3WAA LB5SH LB6VI
4	OZ4EDR	MULTI-MULTI	ALL	HI	724	1.612	126	203.112	OZ30EU OZ1CFT OZ4P

### Checklogs SSB

LA2HFA, LB0NH, SD4C, SD6W, SM/OZ4PAT, SM0HRP, SM4HFI

## OH2MM – OH2PM



Two Old Papay's from 1950's with many SAC wins under their belts; left; Ville, OH2MM/PY2ZEA, 78, operator at OH8X, number nine (9) and right; Pertti, OH2PM/OH0R, 81, number four (4) in the 2021 SAC.

# Africa

## Single Operator CW

#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	EA8/OG60BBM			ALL	HI	-	335	467	127	59.309	EA8/OG60BBM
2	V51YJ			ALL	HI	-	145	179	67	11.993	V51YJ
3	EA8DIG	A		ALL	HI	-	95	145	47	6.815	EA8DIG
4	ZD7BG			ALL	HI	-	104	110	48	5.280	ZD7BG
5	EA8DHV			ALL	HI	-	32	32	25	800	EA8DHV
1	5Z4VJ			ALL	LO	-	98	124	60	7.440	5Z4VJ

Checklogs EA8BQM

# Africa

## Single Operator SSB

#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	EA8/OG60BBM			ALL	HI	-	312	436	115	50.140	EA8/OG60BBM
2	EA8DED		SO2R	ALL	HI	-	233	311	94	29.234	OH2BP
3	ZD7BG			ALL	HI	-	78	78	46	3.588	ZD7BG
4	ZS2ABE			ALL	HI	-	78	80	38	3.040	ZS2ABE
1	CT3IQ			ALL	LO	-	194	298	89	26.522	CT3IQ
2	CT9ABN	A		ALL	LO	-	95	151	69	10.419	OM3RM
3	7X2GK			ALL	LO	-	50	54	31	1.674	7X2GK
4	EA8DHH			ALL	LO	-	36	36	24	864	EA8DHH

## Asia

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	RG9A	A	SO2R	ALL	HI	-	499	1,079	112	120.848	RG9A
2	R8WF	A		ALL	HI	-	456	970	109	105.730	
3	P3X	A		ALL	HI	-	357	843	105	88.515	UT5UDX
4	JH4UYB	A		ALL	HI	-	276	502	87	43.674	JH4UYB
5	UP5B	A		ALL	HI	-	268	502	66	33.132	UN7ZO
6	UN9GD			ALL	HI	-	231	371	78	28.938	UN9GD
7	RK8I	A		ALL	HI	-	186	246	54	13.284	
8	4X1VF	A		ALL	HI	-	162	186	69	12.834	4X1VF
9	RD0A	A		ALL	HI	-	123	239	49	11.711	Y IN
10	4Z1DZ	A		ALL	HI	-	107	239	46	10.994	4Z1DZ
11	RJ9J	A		ALL	HI	-	141	199	52	10.348	RJ9J
12	E21EIC	A	SO2R	ALL	HI	-	101	203	46	9.338	E21EIC
13	JN1THL	A		ALL	HI	-	103	161	44	7.084	JN1THL
14	JE1NVD	A		ALL	HI	-	129	145	45	6.525	JE1NVD
15	UN7LZ	A		ALL	HI	-	157	157	38	5.966	
16	JA6BZI	A		ALL	HI	-	104	116	35	4.060	JA6BZI
17	JQ3ALW			ALL	HI	-	68	106	31	3.286	
18	RU0LL	A		ALL	HI	-	101	101	31	3.131	RU0LL
19	RM0F	A		ALL	HI	-	93	93	33	3.069	RM0F
20	RK9DO	A		ALL	HI	-	95	95	32	3.040	RK9DO
21	RA9JM	A		ALL	HI	-	97	97	28	2.716	RA9JM
22	4L8A			ALL	HI	-	42	100	27	2.700	4L8A
23	R9AE	A		ALL	HI	-	65	65	31	2.015	R9AE
24	UA0DAR			ALL	HI	-	42	72	26	1.872	UA0DAR
25	JF2OZH	A		ALL	HI	-	57	57	24	1.368	JF2OZH
26	JR2PMT			ALL	HI	-	35	51	23	1.173	
27	JA7GYP	A		ALL	HI	-	46	46	24	1.104	JA7GYP
28	UA0UV	A		ALL	HI	-	50	50	22	1.100	UA0UV
29	JH1JNJ	A		ALL	HI	-	39	47	22	1.034	
30	VU2DED	A		ALL	HI	-	41	41	19	779	VU2DED
31	JA1AYO			ALL	HI	-	29	37	21	777	
32	UN8GA			ALL	HI	-	41	41	17	697	UN8GA
33	JF2FIU			ALL	HI	-	34	34	20	680	
34	JR6CSY			ALL	HI	-	37	37	18	666	
35	JA2HYD	A		ALL	HI	-	32	32	17	544	
36	BG6GQE	A		ALL	HI	-	28	28	15	420	BG6GQE
37	JJ1QLT			ALL	HI	-	27	27	15	405	
38	JG1LHB			ALL	HI	-	23	23	16	368	
39	JO7KMB	A		ALL	HI	-	11	29	10	290	
40	JH1NXU			ALL	HI	-	22	22	12	264	
41	JA3XOG			ALL	HI	-	19	19	13	247	JA3XOG
42	JH9FCP			ALL	HI	-	14	14	8	112	
43	JA3VOV			ALL	HI	-	7	13	7	91	JA3VOV
44	JS1NDM			ALL	HI	-	10	10	9	90	
45	RZ9A			ALL	HI	-	6	6	6	36	

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	UN4L	A		ALL	LO	-	299	537	99	53.163	
2	P3AA	A		ALL	LO	-	237	359	87	31.233	
3	UN6LN	A		ALL	LO	-	262	420	74	31.080	
4	RU9TN	A		ALL	LO	-	185	299	69	20.631	
5	UN0LM	A		ALL	LO	-	208	316	62	19.592	
6	EX8MJ			ALL	LO	-	156	258	69	17.802	EX8MJ
7	RX9L			ALL	LO	-	154	292	52	15.184	RX9L
8	RW0AJ	A		ALL	LO	-	145	227	58	13.166	RW0AJ
9	4X1ST	A		ALL	LO	-	130	200	65	13.000	4X1ST
10	RC9A	A		ALL	LO	-	149	231	50	11.550	RC9A
11	UI8C	A		ALL	LO	-	156	222	49	10.878	
12	UN7CN			ALL	LO	-	133	221	49	10.829	UN7CN
13	RN9RF			ALL	LO	-	128	188	46	8.648	
14	UA9SMU			ALL	LO	-	86	258	29	7.482	UA9SMU
15	RA9AP	A		ALL	LO	-	148	158	44	6.952	RA9AP
16	JE4MHL			ALL	LO	-	88	138	40	5.520	JE4MHL
17	R9CX	A		ALL	LO	-	71	119	44	5.236	R9CX
18	R9QQ			ALL	LO	-	80	134	38	5.092	
19	RW9AV			ALL	LO	-	105	129	35	4.515	RW9AV
20	TA4CS	A		ALL	LO	-	62	106	36	3.816	TA4CS
21	BG4NMT			ALL	LO	-	70	98	33	3.234	BG4NMT
22	UA9JNT			ALL	LO	-	73	103	30	3.090	UA9JNT
23	R9SS	A		ALL	LO	-	50	84	31	2.604	/R9SS 1
24	HS8HEX	A		ALL	LO	-	62	84	29	2.436	HS8HEX
25	E29TGW	A		ALL	LO	-	49	87	27	2.349	E29TGW
26	UB8A			ALL	LO	-	41	77	29	2.233	UB8A
27	E21YDP			ALL	LO	-	49	79	28	2.212	E21YDP
28	4Z4KX	A		ALL	LO	-	36	108	19	2.052	4Z4KX
29	JA1MZM	A		ALL	LO	-	62	62	26	1.612	JA1MZM
30	9M2A			ALL	LO	-	29	83	19	1.577	9M2LAN
31	9M2ZAK	A		ALL	LO	-	35	67	23	1.541	9M2ZAK
32	JH3SIF	A		ALL	LO	-	64	64	24	1.536	
33	4Z5LU			ALL	LO	-	37	37	27	999	4Z5LU
34	BG8PM			ALL	LO	-	32	44	22	968	BG8PM
35	RW9MZ			ALL	LO	-	49	49	19	931	
36	UN7EV			ALL	LO	-	41	47	19	893	UN7EV
37	JA6FFK			ALL	LO	-	43	43	20	860	
38	JK8PBO			ALL	LO	-	44	44	19	836	
39	JA2AXB			ALL	LO	-	43	43	19	817	JA2AXB
40	JG1EIQ	A		ALL	LO	-	42	42	18	756	JG1EIQ
41	JE1RZR			ALL	LO	-	37	37	19	703	JE1RZR
42	JK1JAS			ALL	LO	-	21	35	20	700	
43	JA1GQC			ALL	LO	-	33	35	20	700	
44	HS8NKB	A		ALL	LO	-	38	38	18	684	HS8NKB
45	JH6QIL	A		ALL	LO	-	30	30	18	540	CHI OTO
46	JH6WHN	A		ALL	LO	-	28	28	19	532	JH6WHN
47	TA3DJ			ALL	LO	-	16	34	15	510	
48	BG3ILY	A		ALL	LO	-	16	42	12	504	BG3ILY
49	JH1MTR/4			ALL	LO	-	33	33	15	495	
50	JA2GHP			ALL	LO	-	27	27	16	432	JA2GHP

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
51	4K9W			ALL	LO	-	13	39	10	390	
52	JE6LZN			ALL	LO	-	22	22	16	352	
53	JA6CVR			ALL	LO	-	24	24	14	336	
54	VU2BQN			ALL	LO	-	13	25	11	275	VU2BQN
55	JA2KKA			ALL	LO	-	21	21	13	273	
56	JA1GZK			ALL	LO	-	10	30	9	270	
57	JA0BJY			ALL	LO	-	20	20	13	260	
58	JL1FAR			ALL	LO	-	18	18	13	234	
59	JK7UST			ALL	LO	-	18	18	11	198	
60	JJ3TBB			ALL	LO	-	14	18	11	198	JJ3TBB
61	RG0A	A		ALL	LO	-	17	17	10	170	RG0A
62	JE8UHY			ALL	LO	-	16	16	9	144	JE8UHY
63	JE1GWO			ALL	LO	-	13	13	11	143	
64	BA3AX			ALL	LO	-	14	14	10	140	BA3AX
65	JF1TEU			ALL	LO	-	14	14	9	126	JF1TEU
66	JG3XDR			ALL	LO	-	13	13	9	117	
67	RQ9O			ALL	LO	-	8	8	7	56	RQ9O
68	JH1BHW			ALL	LO	-	8	8	7	56	
69	JE3EDJ			ALL	LO	-	8	8	7	56	
70	HL1VAU	A		ALL	LO	-	8	8	7	56	
71	TA4RC			ALL	LO	-	7	7	7	49	TA4RC
72	JK1HIY			ALL	LO	-	7	7	7	49	
73	JK1BQC	A		ALL	LO	-	7	7	4	28	
74	JN1GNL			ALL	LO	-	3	3	3	9	
75	JR7ASO			ALL	LO	-	3	3	2	6	
76	JR6KBF			ALL	LO	-	2	2	2	4	
77	JO1WIZ			ALL	LO	-	2	2	2	4	
78	JE8KKX			ALL	LO	-	2	2	2	4	
79	JE1HXZ			ALL	LO	-	2	2	1	2	
80	JG1WKM			ALL	LO	-	1	1	1	1	

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	UA9R	A		ALL	QRP	-	147	251	47	11.797	
2	RX9CC			ALL	QRP	-	81	161	40	6.440	
3	UA9CHL			ALL	QRP	-	100	144	44	6.336	UA9CHL
4	RM8Y	A		ALL	QRP	-	62	96	29	2.784	RW9Y
5	BD3TE			ALL	QRP	-	34	66	20	1.320	BD3TE
6	JH7UJU			ALL	QRP	-	42	46	22	1.012	
7	UA0SBQ			ALL	QRP	-	35	35	17	595	
8	JK7DWD	A		ALL	QRP	-	31	31	15	465	
9	TA1TMY			ALL	QRP	-	10	10	8	80	
10	JE1ILP			ALL	QRP	-	7	7	7	49	
11	JM2RUV			ALL	QRP	-	2	2	2	4	
12	JR1NKN			ALL	QRP	-	1	1	1	1	JR1NKN



Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	UA9W	A		LO-B	HI	-	267	801	71	56.871	UA9W
2	UN7LDR			LO-B	HI	-	107	321	41	13.161	
3	RO9A	A		LO-B	HI	-	114	342	32	10.944	RO9A
4	JA6GCE	A		LO-B	HI	-	85	255	34	8.670	JA6GCE
5	RA9MX	A		LO-B	HI	-	62	186	33	6.138	RA9MX
6	JG1LFR	A		LO-B	HI	-	24	72	16	1.152	
7	JH1BBT			LO-B	HI	-	8	24	6	144	JH1BBT

### Multi Operator

#	Call	Class	Band	PWR	QSO	Point	Mult	Score	Operators
1	RZ9L	MULTI-ONE	ALL	HI	201	341	58	19.778	R8LA R8LAM RO9L
2	JG6YLY	MULTI-ONE	ALL	HI	156	260	53	13.780	JA6BXA JA6WFM

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## Asia SSB

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	5B4WN	A	SO2R	ALL	HI	-	398	598	149	89.102	
2	RZ9WU			ALL	HI	-	113	175	60	10.500	RZ9WU
3	UF0B	A		ALL	HI	-	139	139	68	9.452	UF0B
4	TA1API			ALL	HI	-	71	87	43	3.741	TA1API
5	JR3AAZ			ALL	HI	-	81	81	43	3.483	
6	E25KAE			ALL	HI	-	61	75	40	3.000	E25KAE
7	JA0FVU	A		ALL	HI	-	59	59	39	2.301	JA0FVU
8	BG5TOX	A		ALL	HI	-	58	58	32	1.856	BG5TOX
9	UA9URI			ALL	HI	-	38	52	26	1.352	
10	A62A	A		ALL	HI	-	41	41	32	1.312	A65BP
11	VU2DED	A		ALL	HI	-	37	41	27	1.107	VU2DED
12	JA8IJI			ALL	HI	-	36	36	21	756	
13	RA0LMO			ALL	HI	-	31	31	21	651	
14	JA3LEZ			ALL	HI	-	34	34	16	544	
15	JH1CML			ALL	HI	-	22	22	19	418	
16	RW0UM			ALL	HI	-	12	12	12	144	XX9XX
17	JA3FRI			ALL	HI	-	7	7	6	42	A
18	JA1CRJ			ALL	HI	-	5	5	5	25	
19	JE1CWQ			ALL	HI	-	2	2	2	4	
20	JP3UBR			ALL	HI	-	1	1	1	1	

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	UA9CUA	A		ALL	LO	-	197	197	62	12.214	
2	UN8PT			ALL	LO	-	140	152	65	9.880	UN8PT
3	TA3OER			ALL	LO	-	95	143	53	7.579	TA3OER
4	R8KAY			ALL	LO	-	103	129	51	6.579	
5	UN6LN	A		ALL	LO	-	76	102	47	4.794	
6	TA3DE			ALL	LO	-	63	113	42	4.746	TA3DE

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
7	TA0ACL			ALL	LO	-	57	67	39	2.613	TA0ACL
8	UA9JNT			ALL	LO	-	65	65	38	2.470	UA9JNT
9	TA4RC			ALL	LO	-	40	72	32	2.304	TA4RC
10	4X1ST	A		ALL	LO	-	40	50	28	1.400	4X1ST
11	E29TGW	A		ALL	LO	-	42	42	33	1.386	E29TGW
12	BD3TE			ALL	LO	-	48	48	26	1.248	BD3TE
13	YI1WWA			ALL	LO	-	38	40	26	1.040	YI1WWA
14	EX0M			ALL	LO	-	31	31	26	806	EX0M
15	TA3EP			ALL	LO	-	29	29	21	609	TA3EP
16	UB8QAA			ALL	LO	-	33	33	18	594	
17	JA8RWU	A		ALL	LO	-	21	21	16	336	JA8RWU
18	TA7OYG			ALL	LO	-	8	24	7	168	TA7OYG
19	JA2GHP			ALL	LO	-	14	14	10	140	JA2GHP
20	E24OYI	A		ALL	LO	-	12	12	9	108	E24OYI
21	JE6KFN			ALL	LO	-	10	10	10	100	
22	JA3COA			ALL	LO	-	11	11	9	99	
23	R9RA	A		ALL	LO	-	10	10	7	70	R9RA
24	JR0DZH			ALL	LO	-	8	8	8	64	
25	JA6CVR			ALL	LO	-	8	8	7	56	
26	7L3ETZ/3			ALL	LO	-	8	8	7	56	
27	UN7GN			ALL	LO	-	6	6	6	36	UN7GN
28	JG1GCO			ALL	LO	-	2	2	2	4	
29	JF1VKY			ALL	LO	-	2	2	2	4	
30	BU2EV	A		ALL	LO	-	1	1	1	1	BU2EV
31	BU2EP	A		ALL	LO	-	1	1	1	1	BU2EP

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	JA7HYS			ALL	QRP	-	18	18	16	288	
2	UA0SBQ			ALL	QRP	-	4	4	4	16	
3	JH7UJU			ALL	QRP	-	3	3	3	9	

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	RA9MX	A		LO-B	HI	-	16	48	12	576	RA9MX

Multi Operator SSB											
#	Call	Class	Band	PWR	QSO	Point	Mult	Score	Operators		
1	YM1KE	MULTI-ONE	ALL	HI	186	192	60	11.520	TA1BX-TA1KEH		
2	RA0AY	MULTI-ONE	ALL	HI	52	52	34	1.768	RA0AY R0AA		

Checklogs UP5B

# Europe CW

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	LZ5R	A		ALL	HI	-	636	636	155	98.580	LZ3ND
2	YL7X	A		ALL	HI	-	544	544	150	81.600	YL2LY
3	LY5W	A		ALL	HI	-	551	551	143	78.793	LY5W
4	LZ6E	A		ALL	HI	-	516	516	137	70.692	LZ1GU
5	I2WIJ	A	SO2R	ALL	HI	-	493	493	140	69.020	
6	YQ6A	A	SO2R	ALL	HI	-	456	456	135	61.560	YO6BHN
7	HA1DAE	A		ALL	HI	-	487	487	119	57.953	HA1DAE
8	UT5EL	A		ALL	HI	-	438	438	130	56.940	UT5EL
9	SP1NY	A	SO2R	ALL	HI	-	436	436	129	56.244	SP1NY
10	RM4F	A		ALL	HI	-	450	450	121	54.450	
11	HA3DX	A		ALL	HI	-	410	410	130	53.300	HA3DX
12	YO4NF	A		ALL	HI	-	437	437	115	50.255	YO4NF
13	DL6KVA	A		ALL	HI	-	375	375	132	49.500	DL6KVA
14	UR7LY	A		ALL	HI	-	439	439	112	49.168	UR7LY
15	LZ3R	A		ALL	HI	-	404	404	115	46.460	LZ1ZJ
16	LZ5DB	A		ALL	HI	-	365	365	125	45.625	
17	4O4T			ALL	HI	-	358	358	120	42.960	4O4T
18	LY2A	A		ALL	HI	-	375	375	113	42.375	LY2KA
19	UY5ZZ	A		ALL	HI	-	334	334	118	39.412	
20	EW1M	A		ALL	HI	-	364	364	104	37.856	EW1M
21	UV1IX			ALL	HI	-	362	362	104	37.648	UV1IX
22	OE5TXF	A		ALL	HI	-	357	357	104	37.128	G3TXF
23	HA2KMR	A		ALL	HI	-	346	346	107	37.022	
24	EW8DX	A		ALL	HI	-	353	353	103	36.359	EW8DX
25	DF5EG	A		ALL	HI	-	339	339	106	35.934	
26	F5OHM			ALL	HI	-	326	326	110	35.860	
27	HA7RY	A		ALL	HI	-	355	355	101	35.855	
28	RA4PQ	A		ALL	HI	-	339	339	104	35.256	RA4PQ
29	OQ5M	A		ALL	HI	-	318	318	108	34.344	ON5ZO
30	M1X	A		ALL	HI	-	343	343	100	34.300	G0CKP
31	UC7A	A		ALL	HI	-	346	346	98	33.908	UC7A
32	G3SWC			ALL	HI	-	345	345	96	33.120	G3SWC
33	RM2D	A		ALL	HI	-	318	318	104	33.072	SM6LRR
34	UT2UB			ALL	HI	-	344	344	94	32.336	
35	R4IO	A		ALL	HI	-	344	344	92	31.648	R4IO
36	OL70DG	A		ALL	HI	-	320	320	98	31.360	
37	IZ3SQW	A		ALL	HI	-	302	302	102	30.804	
38	YO9HP	A	SO2R	ALL	HI	-	301	301	101	30.401	YO9HP
39	UR5EDX	A		ALL	HI	-	313	313	97	30.361	UR5EDX
40	ES2MC	A		ALL	HI	-	249	249	121	30.129	
41	R6DJM	A		ALL	HI	-	314	314	94	29.516	R6DJM
42	F6AUS			ALL	HI	-	303	303	94	28.482	
43	R3AQ	A		ALL	HI	-	288	288	95	27.360	R3AQ
44	ON6NL	A		ALL	HI	-	250	250	101	25.250	ON6NL
45	RL4A	A		ALL	HI	-	231	231	102	23.562	
46	UA3R	A		ALL	HI	-	249	249	93	23.157	UA3RC
47	UA3LEO			ALL	HI	-	238	238	88	20.944	

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
48	PA4M	A		ALL	HI	-	245	245	83	20.335	PA4M
49	EI5KF	A	SO2R	ALL	HI	-	226	226	79	17.854	
50	OK6DJ	A		ALL	HI	-	210	210	85	17.850	OK6DJ
51	DL1NKS	A		ALL	HI	-	209	209	84	17.556	DL1NKS
52	OK1OA			ALL	HI	-	208	208	84	17.472	OK1OA
53	OM3CPF			ALL	HI	-	215	215	81	17.415	
54	RK3P	A		ALL	HI	-	216	216	80	17.280	RK3P
55	UR3QX	A		ALL	HI	-	220	220	75	16.500	UR3QX
56	RK3TD	A		ALL	HI	-	211	211	78	16.458	
57	RN6A	A		ALL	HI	-	238	238	69	16.422	RN6A
58	RD4A	A		ALL	HI	-	207	207	79	16.353	
59	SQ8N	A		ALL	HI	-	195	195	83	16.185	SQ8N
60	DK9IP	A		ALL	HI	-	147	147	108	15.876	DK9IP
61	LZ1QN	A		ALL	HI	-	191	191	83	15.853	LZ1QN
62	PA3AAV	A		ALL	HI	-	199	199	79	15.721	PA3AAV
63	S57DX	A		ALL	HI	-	209	209	73	15.257	S57DX
64	UT7IS	A		ALL	HI	-	231	231	66	15.246	UT7IS
65	UA9FGJ			ALL	HI	-	205	205	73	14.965	
66	UX2MF			ALL	HI	-	189	189	76	14.364	
67	RT4P	A		ALL	HI	-	179	179	80	14.320	R8FF
68	RT2C	A		ALL	HI	-	206	206	69	14.214	RV3FF
69	R4BZ	A		ALL	HI	-	194	194	73	14.162	R4BZ
70	LY3CY	A		ALL	HI	-	223	223	63	14.049	LY3CY
71	DL1WA	A	SO2R	ALL	HI	-	185	185	75	13.875	
72	DG9SEH	A		ALL	HI	-	176	176	77	13.552	DG9SEH
73	SP4AWE			ALL	HI	-	199	199	66	13.134	SP4AWE
74	DJ3CQ	A		ALL	HI	-	161	161	80	12.880	DJ3CQ
75	DL5AXX	A		ALL	HI	-	112	112	112	12.544	
76	UA5G	A		ALL	HI	-	188	188	65	12.220	RU3GF
77	IK1BPL			ALL	HI	-	180	180	67	12.060	
78	HB9AZZ			ALL	HI	-	159	159	73	11.607	
79	YL2BJ	A		ALL	HI	-	193	193	59	11.387	
80	PA5KT	A		ALL	HI	-	158	158	71	11.218	PA5KT
81	R7AC			ALL	HI	-	162	162	65	10.530	
82	SP5AUY	A		ALL	HI	-	148	148	71	10.508	SP5AUY
83	LY2AX	A		ALL	HI	-	152	152	69	10.488	LY2AX
84	F5PHY			ALL	HI	-	162	162	64	10.368	F5PHY
85	RU6MO			ALL	HI	-	181	181	57	10.317	RU6MO
86	GW4J	A		ALL	HI	-	136	136	75	10.200	GW0ETF
87	RL3T	A		ALL	HI	-	172	172	59	10.148	RL3T
88	CU2KG	A		ALL	HI	-	132	132	76	10.032	OH2BH
89	HB0/DL5YM			ALL	HI	-	143	143	67	9.581	
90	SP2FAP			ALL	HI	-	156	156	60	9.360	
91	UX5UO	A		ALL	HI	-	132	132	66	8.712	
92	HB9EBC			ALL	HI	-	136	136	64	8.704	(EX SM0TXM)
93	IV3KKW	A		ALL	HI	-	130	130	66	8.580	
94	LZ8E	A		ALL	HI	-	146	146	58	8.468	LZ2BE
95	EU1AI			ALL	HI	-	149	149	56	8.344	
96	SV1ENG	A		ALL	HI	-	200	200	41	8.200	SV1ENG

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
97	YU7KW	A		ALL	HI	-	118	118	66	7.788	
98	DL1DTL	A		ALL	HI	-	142	142	53	7.526	
99	RD1A	A		ALL	HI	-	115	115	65	7.475	
100	UA3UBT			ALL	HI	-	109	109	63	6.867	
101	UT3UV	A		ALL	HI	-	108	108	62	6.696	UT3UV
102	G3ZGC	A		ALL	HI	-	115	115	57	6.555	G3ZGC
103	9A1CFR			ALL	HI	-	166	166	39	6.474	9A2NO
104	OK1KTI			ALL	HI	-	114	114	55	6.270	OK1KTI
105	UA6AA	A		ALL	HI	-	146	146	42	6.132	UA6AA
106	IT9ESW	A		ALL	HI	-	85	85	72	6.120	
107	SP3HLM			ALL	HI	-	98	98	62	6.076	
108	R6CW	A		ALL	HI	-	113	113	50	5.650	R6CW
109	UR7GO	A		ALL	HI	-	99	99	57	5.643	UR7GO
110	HG6Y	A		ALL	HI	-	96	96	58	5.568	
111	EB5F	A		ALL	HI	-	124	124	44	5.456	EB5F
112	RT5Q	A		ALL	HI	-	121	121	45	5.445	
113	LY5O	A		ALL	HI	-	110	110	48	5.280	LY5O
114	LZ3V			ALL	HI	-	127	127	41	5.207	LZ1NY
115	G4RCG	A		ALL	HI	-	94	94	54	5.076	G4RCG
116	IT9SSI	A		ALL	HI	-	108	108	46	4.968	
117	EA3AKA	A		ALL	HI	-	89	89	55	4.895	EA3AKA
118	PG3N	A		ALL	HI	-	99	99	49	4.851	PG3N
119	DL2NFC	A		ALL	HI	-	99	99	49	4.851	
120	OK4MM			ALL	HI	-	99	99	47	4.653	OK4MM
121	MM3N			ALL	HI	-	99	99	47	4.653	GM4SID
122	EW8OM			ALL	HI	-	84	84	52	4.368	
123	GD4EIP	A		ALL	HI	-	92	92	47	4.324	GD4EIP
124	PA5WT	A		ALL	HI	-	97	97	42	4.074	PA5WT
125	S52WW	A		ALL	HI	-	91	91	43	3.913	S52WW
126	CT7AUP			ALL	HI	-	81	81	48	3.888	CT7AUP
127	Z61DX	A		ALL	HI	-	104	104	37	3.848	Z61DX
128	F5PAL			ALL	HI	-	112	112	34	3.808	F5PAL
129	RN3T	A		ALL	HI	-	100	100	38	3.800	UA3TW
130	SP3VT	A		ALL	HI	-	112	112	32	3.584	
131	R4HM	A		ALL	HI	-	100	100	33	3.300	R4HM
132	R7MW			ALL	HI	-	97	97	32	3.104	
133	DH1NBE	A		ALL	HI	-	71	71	41	2.911	DH1NBE
134	IW2EVH	A		ALL	HI	-	63	63	46	2.898	IW2EVH
135	RV1OO			ALL	HI	-	70	70	41	2.870	
136	DL7UXG			ALL	HI	-	89	89	31	2.759	
137	9A3EZ			ALL	HI	-	88	88	31	2.728	
138	DK3GI			ALL	HI	-	72	72	37	2.664	
139	IK3SCB	A		ALL	HI	-	74	74	33	2.442	IK3SCB
140	HB9IQB			ALL	HI	-	66	66	37	2.442	
141	SO4P	A		ALL	HI	-	81	81	29	2.349	SP4DEU
142	OE120BKC			ALL	HI	-	56	56	41	2.296	
143	R7GU			ALL	HI	-	76	76	30	2.280	R7GU
144	OE1XA	A		ALL	HI	-	60	60	37	2.220	OE1BPU
145	IZ3GNG			ALL	HI	-	59	59	37	2.183	

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
146	IZ3ZBP			ALL	HI	-	62	62	35	2.170	
147	RA4AR			ALL	HI	-	77	77	28	2.156	
148	DF5SI			ALL	HI	-	56	56	37	2.072	DF5SI
149	RW3AG			ALL	HI	-	76	76	27	2.052	
150	UR5R	A		ALL	HI	-	58	58	35	2.030	UT0RM
151	HA5TI	A		ALL	HI	-	50	50	40	2.000	
152	RA1QD	A		ALL	HI	-	60	60	33	1.980	RA1QD
153	UI3A	A		ALL	HI	-	58	58	31	1.798	UI3A
154	EB5A	A		ALL	HI	-	45	45	39	1.755	EB5A
155	SP1JQJ			ALL	HI	-	62	62	25	1.550	SP1JQJ
156	PA3OES	A		ALL	HI	-	48	48	29	1.392	PA3OES
157	OK2QA			ALL	HI	-	49	49	25	1.225	OK2QA
158	DL5KVV	A		ALL	HI	-	48	48	25	1.200	DL5KVV
159	DF5BX			ALL	HI	-	45	45	25	1.125	DF5BX
160	US1IV			ALL	HI	-	42	42	25	1.050	
161	IK4VET	A	SO2R	ALL	HI	-	36	36	29	1.044	
162	DL6SRD			ALL	HI	-	33	33	25	825	
163	IZ8DVD	A		ALL	HI	-	32	32	24	768	IZ8DVD
164	G4BSW	A		ALL	HI	-	29	29	22	638	G4BSW
165	DM1BM			ALL	HI	-	29	29	21	609	
166	PA3EZC	A		ALL	HI	-	40	40	15	600	PA3EZC
167	ES1BH	A		ALL	HI	-	30	30	20	600	ES1BH
168	IT9BLB	A		ALL	HI	-	27	27	22	594	
169	IK2GZU	A		ALL	HI	-	32	32	18	576	IK2GZU
170	DK8ZZ	A		ALL	HI	-	25	25	22	550	
171	UT7ZM			ALL	HI	-	28	28	19	532	UT7ZM
172	G0IBN	A		ALL	HI	-	34	34	15	510	G0IBN
173	CT7/PA3GCU	A		ALL	HI	-	27	27	18	486	CT7/PA3GCU
174	YL2LW			ALL	HI	-	27	27	18	486	YL2LW
175	EA3X			ALL	HI	-	24	24	20	480	EA3X
176	PA0MIR			ALL	HI	-	30	30	14	420	PA0MIR
177	G1SCT			ALL	HI	-	28	28	13	364	G1SCT
178	9A2EU	A		ALL	HI	-	18	18	18	324	9A2EU
179	UA3DSN			ALL	HI	-	23	23	14	322	
180	EC3AIT	A		ALL	HI	-	13	13	11	143	EC3AIT
181	IK1UGX			ALL	HI	-	12	12	10	120	
182	OK2SWD			ALL	HI	-	12	12	9	108	OK2SWD
183	DM7X	A		ALL	HI	-	10	10	9	90	DL1PAN
184	EA5L	A		ALL	HI	-	9	9	9	81	
185	DF5DK			ALL	HI	-	10	10	8	80	DF5DK
186	UA9XO			ALL	HI	-	4	4	4	16	UA9XO

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	E77R	A		ALL	LO	-	466	466	126	58.716	E77R
2	RA3Y	A		ALL	LO	-	462	462	121	55.902	RA3Y
3	DK8NT	A		ALL	LO	-	375	375	115	43.125	DK8NT
4	TM6M	A		ALL	LO	-	345	345	122	42.090	
5	R6CC	A		ALL	LO	-	366	366	108	39.528	R6CC

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
6	RW4S	A	SO2R	ALL	LO	-	385	385	95	36.575	RU4SS
7	IV3JCC	A		ALL	LO	-	310	310	111	34.410	IV3JCC
8	LZ3QE	A		ALL	LO	-	328	328	104	34.112	LZ3QE
9	HA8WY	A		ALL	LO	-	298	298	108	32.184	HA8WY
10	YT1Q			ALL	LO	-	300	300	106	31.800	YT1Q
11	SN5J	A	SO2R	ALL	LO	-	338	338	94	31.772	SP5JXK
12	OK7T	A		ALL	LO	-	306	306	97	29.682	OK1FHI
13	DL1CW	A	SO2R	ALL	LO	-	284	284	100	28.400	DL1CW
14	SP7CF	A		ALL	LO	-	301	301	94	28.294	SP7CF
15	YO4DG	A		ALL	LO	-	321	321	87	27.927	YO4DG
16	HA3GO	A		ALL	LO	-	279	279	98	27.342	
17	SP1AEN			ALL	LO	-	316	316	83	26.228	SP1AEN
18	LY5XX	A		ALL	LO	-	304	304	85	25.840	
19	DL5JQ	A		ALL	LO	-	253	253	102	25.806	
20	IV3EAD			ALL	LO	-	268	268	96	25.728	
21	LY7Z	A		ALL	LO	-	223	223	115	25.645	
22	YU1YV			ALL	LO	-	252	252	101	25.452	
23	US7IY	A		ALL	LO	-	282	282	90	25.380	
24	S53V	A		ALL	LO	-	246	246	100	24.600	S53V
25	UR7HY			ALL	LO	-	266	266	91	24.206	UR7HY
26	YO3APJ			ALL	LO	-	258	258	93	23.994	YO3APJ
27	DR7T	A		ALL	LO	-	261	261	90	23.490	DF1DN
28	UA6GO			ALL	LO	-	280	280	83	23.240	UA6GO
29	RA4ACX			ALL	LO	-	275	275	84	23.100	RA4ACX
30	PA0JLS	A		ALL	LO	-	252	252	89	22.428	PA0JLS
31	US1VM			ALL	LO	-	245	245	91	22.295	US1VM
32	IK4DCX	A		ALL	LO	-	215	215	96	20.640	IK4DCX
33	IN3FHE	A		ALL	LO	-	254	254	80	20.320	
34	SP9DLY	A		ALL	LO	-	240	240	83	19.920	SP9DLY
35	UW7EF			ALL	LO	-	239	239	82	19.598	UW7EF
36	F5SGI			ALL	LO	-	225	225	86	19.350	F5SGI
37	EV6Z			ALL	LO	-	246	246	76	18.696	EV6Z
38	UT5VX			ALL	LO	-	214	214	87	18.618	UT5VX
39	I6FDJ			ALL	LO	-	226	226	82	18.532	
40	UX1AA	A		ALL	LO	-	235	235	78	18.330	UX1AA
41	RN4HAB	A		ALL	LO	-	246	246	73	17.958	RN4HAB
42	EM30UA			ALL	LO	-	210	210	85	17.850	EM30UA
43	UY2IG	A		ALL	LO	-	223	223	80	17.840	
44	RU4LM	A		ALL	LO	-	229	229	77	17.633	RU4LM
45	EW1P	A		ALL	LO	-	218	218	79	17.222	EW1P
46	S56A	A		ALL	LO	-	187	187	91	17.017	S56A
47	UR1YAA	A		ALL	LO	-	211	211	80	16.880	UR1YAA
48	LZ1ND	A		ALL	LO	-	242	242	69	16.698	LZ1ND
49	RV3ZN			ALL	LO	-	196	196	85	16.660	RV3ZN
50	DL6AG	A		ALL	LO	-	210	210	78	16.380	
51	ES5EP			ALL	LO	-	210	210	76	15.960	ES5EP
52	LY2DX	A		ALL	LO	-	198	198	78	15.444	
53	PA2TA	A		ALL	LO	-	207	207	73	15.111	PA2TA
54	YO2IS			ALL	LO	-	182	182	82	14.924	YO2IS

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
55	CT1DRB	A		ALL	LO	-	183	183	81	14.823	
56	SP7P	A		ALL	LO	-	197	197	74	14.578	SP7AH
57	EA4BAS	A		ALL	LO	-	179	179	81	14.499	EA4BAS
58	RW3DY	A		ALL	LO	-	195	195	74	14.430	RW3DY
59	YO5AXF			ALL	LO	-	179	179	79	14.141	YO5AXF
60	OK4RQ			ALL	LO	-	203	203	69	14.007	
61	YU5T			ALL	LO	-	214	214	65	13.910	
62	DL7UGN	A		ALL	LO	-	162	162	84	13.608	
63	DJ1OJ	A		ALL	LO	-	170	170	79	13.430	DJ1OJ
64	HA7PO	A		ALL	LO	-	183	183	73	13.359	HA7PO
65	IU0ITX	A		ALL	LO	-	175	175	74	12.950	IU0ITX
66	SP9GMI			ALL	LO	-	161	161	80	12.880	SP9GMI
67	S57X			ALL	LO	-	167	167	77	12.859	S57X
68	LZ2CH			ALL	LO	-	202	202	63	12.726	LZ2CH
69	DL1DQW	A		ALL	LO	-	163	163	78	12.714	DL1DQW
70	ON4CAS	A		ALL	LO	-	180	180	70	12.600	ON4CAS
71	DL5CL	A		ALL	LO	-	188	188	66	12.408	
72	IV3HAX	A		ALL	LO	-	157	157	79	12.403	
73	LZ2PS			ALL	LO	-	194	194	63	12.222	LZ2PS
74	F8CRS	A		ALL	LO	-	169	169	72	12.168	
75	EA3FZT		SO2R	ALL	LO	-	169	169	71	11.999	EA3FZT
76	DL7VHP			ALL	LO	-	175	175	68	11.900	
77	DL6RAI	A		ALL	LO	-	197	197	60	11.820	
78	S51ZJ	A		ALL	LO	-	175	175	67	11.725	S51ZJ
79	R3VL	A		ALL	LO	-	175	175	65	11.375	R3VL
80	LZ1DQ			ALL	LO	-	194	194	58	11.252	LZ1DQ
81	DG7EE			ALL	LO	-	186	186	59	10.974	DG7EE
82	Z32U	A		ALL	LO	-	156	156	70	10.920	
83	UX1CL			ALL	LO	-	148	148	73	10.804	
84	F5JU			ALL	LO	-	150	150	72	10.800	F5JU
85	DJ0YZ			ALL	LO	-	160	160	66	10.560	
86	UA9XF			ALL	LO	-	167	167	63	10.521	
87	OK1FCA			ALL	LO	-	157	157	67	10.519	OK1FCA
88	RM7C			ALL	LO	-	159	159	66	10.494	
89	HA8FD			ALL	LO	-	156	156	67	10.452	HA8FD
90	EI8GP			ALL	LO	-	156	156	67	10.452	EI8GP
91	R4WAE			ALL	LO	-	174	174	60	10.440	R4WAE
92	LY5T	A		ALL	LO	-	171	171	61	10.431	LY5T
93	UW1WU	A		ALL	LO	-	149	149	69	10.281	UW1WU
94	LZ1MC	A		ALL	LO	-	163	163	62	10.106	LZ1MC
95	9A4W			ALL	LO	-	153	153	66	10.098	
96	9A2EY			ALL	LO	-	173	173	56	9.688	9A2EY
97	DM2RN	A		ALL	LO	-	146	146	66	9.636	DM2RN
98	RN4SC			ALL	LO	-	149	149	64	9.536	RN4SC
99	RT2F	A		ALL	LO	-	171	171	55	9.405	RT2F
100	LZ2GS			ALL	LO	-	154	154	61	9.394	LZ2GS
101	LY4BF	A		ALL	LO	-	177	177	53	9.381	LY2BBF
102	OK2QX			ALL	LO	-	133	133	70	9.310	OK2QX
103	UT1WW			ALL	LO	-	135	135	68	9.180	



Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
104	DL4DRW	A		ALL	LO	-	136	136	67	9.112	
105	IK1RGK			ALL	LO	-	130	130	70	9.100	
106	OK1DVA			ALL	LO	-	141	141	64	9.024	
107	G3SVK			ALL	LO	-	136	136	66	8.976	G3SVK
108	IT9RZU	A		ALL	LO	-	113	113	79	8.927	IT9RZU
109	R4WZ			ALL	LO	-	147	147	60	8.820	
110	EW1TZ			ALL	LO	-	151	151	58	8.758	EW1TZ
111	DL5ARM	A		ALL	LO	-	146	146	59	8.614	DL5ARM
112	GM4JYB			ALL	LO	-	144	144	59	8.496	GM4JYB
113	UA3YDI			ALL	LO	-	132	132	63	8.316	
114	DL1RTL	A		ALL	LO	-	141	141	58	8.178	
115	ES3RF			ALL	LO	-	153	153	53	8.109	ES3RF
116	DM5WGL			ALL	LO	-	135	135	60	8.100	
117	DL6NBS			ALL	LO	-	139	139	57	7.923	DL6NBS
118	PA2W			ALL	LO	-	123	123	64	7.872	PA2W
119	OE1CIW			ALL	LO	-	123	123	64	7.872	
120	IK0PXD			ALL	LO	-	131	131	60	7.860	
121	E77EA	A		ALL	LO	-	132	132	59	7.788	
122	DM6EE	A		ALL	LO	-	111	111	70	7.770	DM6EE
123	UT8AQ			ALL	LO	-	127	127	61	7.747	
124	HB9CIC	A		ALL	LO	-	140	140	55	7.700	HB9CIC
125	ON7XN	A		ALL	LO	-	123	123	62	7.626	ON7XN
126	DM3M	A		ALL	LO	-	136	136	55	7.480	DM3XRF
127	YL3GQ			ALL	LO	-	136	136	55	7.480	YL3GQ
128	US3EW			ALL	LO	-	135	135	55	7.425	
129	R4WT	A		ALL	LO	-	121	121	61	7.381	R4WT
130	ON1DX			ALL	LO	-	149	149	49	7.301	ON1DX
131	YO4FPF	A		ALL	LO	-	128	128	57	7.296	YO4FPF
132	OK2ZV	A		ALL	LO	-	137	137	53	7.261	
133	OK2ABU			ALL	LO	-	119	119	61	7.259	
134	IK2AOO			ALL	LO	-	139	139	52	7.228	IK2AOO
135	YO4SI			ALL	LO	-	111	111	65	7.215	YO4SI
136	UY5TE			ALL	LO	-	130	130	55	7.150	UY5TE
137	EU1ST	A		ALL	LO	-	141	141	49	6.909	EU1ST
138	RG2M			ALL	LO	-	123	123	56	6.888	RG2M
139	F6GGA	A		ALL	LO	-	127	127	54	6.858	F6GGA
140	UR2VA	A		ALL	LO	-	138	138	49	6.762	UR2VA
141	DL/YL3GX			ALL	LO	-	120	120	56	6.720	DL/YL3GX
142	YO6FGZ			ALL	LO	-	120	120	56	6.720	YO6FGZ
143	CT1ELZ			ALL	LO	-	117	117	57	6.669	CT1ELZ
144	R5FP			ALL	LO	-	122	122	54	6.588	R5FP
145	RA7R	A		ALL	LO	-	149	149	44	6.556	RA7R
146	UT3EV			ALL	LO	-	163	163	40	6.520	
147	RV6AA/P			ALL	LO	-	133	133	49	6.517	
148	UR4LIN	A		ALL	LO	-	116	116	55	6.380	
149	DL2LRT	A		ALL	LO	-	116	116	55	6.380	
150	OK1FMG			ALL	LO	-	110	110	57	6.270	
151	DJ1MM	A		ALL	LO	-	111	111	56	6.216	DJ1MM
152	RL6MF	A		ALL	LO	-	121	121	51	6.171	RL6MF

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
153	PA7RA	A		ALL	LO	-	108	108	57	6.156	PA7RA
154	OM8VL			ALL	LO	-	118	118	52	6.136	OM8VL
155	UD4W			ALL	LO	-	122	122	50	6.100	
156	SV5/DL3DRN			ALL	LO	-	108	108	56	6.048	DL3DRN
157	UA5R	A		ALL	LO	-	115	115	52	5.980	UA5R
158	IK2UEX			ALL	LO	-	127	127	47	5.969	
159	RN3S	A		ALL	LO	-	96	96	62	5.952	
160	DL9SEV	A		ALL	LO	-	104	104	57	5.928	DL9SEV
161	UT5C	A		ALL	LO	-	107	107	55	5.885	UT5C
162	PG7M	A		ALL	LO	-	98	98	60	5.880	PG7M
163	YO4AAC			ALL	LO	-	136	136	43	5.848	YO4AAC
164	PG7R			ALL	LO	-	102	102	57	5.814	PG7R
165	GM0WED			ALL	LO	-	114	114	51	5.814	GM0WED
166	OM2DT			ALL	LO	-	105	105	55	5.775	OM2DT
167	YO4GO	A		ALL	LO	-	117	117	49	5.733	YO4GO
168	UA1OM			ALL	LO	-	130	130	44	5.720	
169	RN4SS			ALL	LO	-	104	104	55	5.720	RN4SS
170	PA2PKZ	A		ALL	LO	-	100	100	57	5.700	PA2PKZ
171	RK4NB			ALL	LO	-	102	102	55	5.610	RK4NB
172	EA1CS	A		ALL	LO	-	110	110	51	5.610	EA1CS
173	RK2M	A		ALL	LO	-	105	105	53	5.565	RK2M
174	S5/M0MPPM	A		ALL	LO	-	96	96	57	5.472	S5/M0MPPM
175	IK4MTF			ALL	LO	-	105	105	52	5.460	
176	PA0CT			ALL	LO	-	102	102	53	5.406	PA0CT
177	DL5XJ	A		ALL	LO	-	144	144	37	5.328	
178	DL5SDN	A		ALL	LO	-	102	102	52	5.304	
179	OL3E			ALL	LO	-	106	106	50	5.300	OK1JOC
180	LZ1VKD			ALL	LO	-	145	145	36	5.220	LZ1VKD
181	ES3BH	A		ALL	LO	-	115	115	45	5.175	
182	DK5ZX			ALL	LO	-	103	103	50	5.150	DK5ZX
183	LZ2FN			ALL	LO	-	100	100	51	5.100	LZ2FN
184	E72U	A		ALL	LO	-	100	100	51	5.100	E72U
185	PA0GJV	A		ALL	LO	-	96	96	53	5.088	PA0GJV
186	PE1EEC	A		ALL	LO	-	94	94	54	5.076	PE1EEC
187	RD1T			ALL	LO	-	103	103	49	5.047	RD1T
188	PB0ACU			ALL	LO	-	97	97	52	5.044	PB0ACU
189	SP2MKI	A		ALL	LO	-	147	147	34	4.998	SP2MKI
190	DL9MWG			ALL	LO	-	108	108	46	4.968	DL9MWG
191	ON6LO	A		ALL	LO	-	95	95	52	4.940	
192	RN5AA			ALL	LO	-	95	95	51	4.845	
193	OK2PIM			ALL	LO	-	89	89	54	4.806	
194	OE5CYL			ALL	LO	-	98	98	49	4.802	OE5CYL
195	HA8EN			ALL	LO	-	132	132	36	4.752	
196	RV3YR			ALL	LO	-	86	86	55	4.730	
197	RT5P	A		ALL	LO	-	84	84	56	4.704	RT5P
198	SV9RNG	A		ALL	LO	-	92	92	51	4.692	SV9RNG
199	M4N	A		ALL	LO	-	98	98	47	4.606	G4IZZ @G4IZZ
200	SN5WD	A		ALL	LO	-	104	104	44	4.576	SO5WD
201	DF6QE			ALL	LO	-	84	84	54	4.536	DF6QE

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
202	OM7AT			ALL	LO	-	95	95	47	4.465	
203	YL2EA			ALL	LO	-	95	95	46	4.370	YL2EA
204	PA3EWG			ALL	LO	-	97	97	45	4.365	PA3EWG
205	F5TRB			ALL	LO	-	90	90	48	4.320	F5TRB
206	F5PBM	A		ALL	LO	-	100	100	43	4.300	
207	SP9R			ALL	LO	-	97	97	44	4.268	SP9BRP
208	GM3ZRT	A		ALL	LO	-	99	99	43	4.257	GM3ZRT
209	OE1TKW			ALL	LO	-	90	90	47	4.230	
210	PA3ARM			ALL	LO	-	100	100	42	4.200	PA3ARM
211	PG2AA	A		ALL	LO	-	93	93	45	4.185	PG2AA
212	UR7VA			ALL	LO	-	104	104	40	4.160	
213	F5IND	A		ALL	LO	-	90	90	46	4.140	F5IND
214	PA2DK	A		ALL	LO	-	81	81	51	4.131	PA2DK
215	HB9HQX			ALL	LO	-	86	86	48	4.128	HB9HQX
216	DK3WN			ALL	LO	-	103	103	40	4.120	DK3WN
217	DF6RI			ALL	LO	-	98	98	42	4.116	DF6RI
218	EA2KV	A		ALL	LO	-	93	93	44	4.092	EA2KV
219	SP5UFG			ALL	LO	-	85	85	48	4.080	SP5UFG
220	M0VCP			ALL	LO	-	92	92	44	4.048	M0VCP
221	IK7RVY			ALL	LO	-	100	100	40	4.000	
222	DL3CX	A		ALL	LO	-	88	88	45	3.960	DL3CX
223	RD3FT			ALL	LO	-	86	86	46	3.956	
224	OM7SR			ALL	LO	-	93	93	42	3.906	OM7SR
225	IZ6BXQ			ALL	LO	-	76	76	50	3.800	
226	OK1MMN			ALL	LO	-	71	71	52	3.692	OK1MMN
227	SP7OGP			ALL	LO	-	113	113	32	3.616	SP7OGP
228	PA9M	A		ALL	LO	-	79	79	45	3.555	PA9M
229	OK5SA			ALL	LO	-	104	104	34	3.536	
230	LY2J	A		ALL	LO	-	97	97	36	3.492	LY2J
231	M5P	A		ALL	LO	-	91	91	38	3.458	M5BIR
232	M5G			ALL	LO	-	80	80	43	3.440	G3PLE
233	DL7YS	A		ALL	LO	-	74	74	46	3.404	
234	ON5ZZ	A		ALL	LO	-	81	81	42	3.402	ON5ZZ
235	DJ4WT	A		ALL	LO	-	87	87	39	3.393	
236	YL2NK			ALL	LO	-	75	75	45	3.375	YL2NK
237	UR4MF			ALL	LO	-	102	102	33	3.366	
238	RA4L			ALL	LO	-	101	101	33	3.333	RA4L
239	DJ4MX	A		ALL	LO	-	68	68	49	3.332	
240	IK2NUX			ALL	LO	-	88	88	37	3.256	
241	SP2MKT	A		ALL	LO	-	105	105	31	3.255	SP2MKT
242	R1QE			ALL	LO	-	81	81	40	3.240	R1QE
243	DF3CE			ALL	LO	-	70	70	45	3.150	DF3CE
244	YO8ST	A		ALL	LO	-	89	89	35	3.115	YO8ST
245	OK1PFM			ALL	LO	-	73	73	42	3.066	
246	F5ROX			ALL	LO	-	74	74	41	3.034	
247	OM5MX			ALL	LO	-	78	78	38	2.964	OM5MX
248	PD1RP	A		ALL	LO	-	86	86	34	2.924	PD1RP
249	OM6TU			ALL	LO	-	73	73	40	2.920	OM6TU
250	PA2A	A		ALL	LO	-	71	71	41	2.911	PA2A

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
251	EA4FME			ALL	LO	-	66	66	44	2.904	EA4FME
252	OK8KM			ALL	LO	-	76	76	38	2.888	OK8KM
253	YO9GR			ALL	LO	-	90	90	32	2.880	YO9GR
254	SP9KJU			ALL	LO	-	70	70	41	2.870	SP9MDY
255	DK5WO	A		ALL	LO	-	79	79	36	2.844	DK5WO
256	DL7LX			ALL	LO	-	67	67	42	2.814	DL7LX
257	PA1BBO			ALL	LO	-	72	72	39	2.808	PA1BBO
258	9A3TU			ALL	LO	-	73	73	38	2.774	9A3TU
259	DM7CW			ALL	LO	-	99	99	27	2.673	
260	IK6QRH	A		ALL	LO	-	66	66	39	2.574	
261	SV1CEI			ALL	LO	-	62	62	41	2.542	
262	RW3VM			ALL	LO	-	90	90	28	2.520	RW3VM
263	PD0ME	A		ALL	LO	-	74	74	34	2.516	PD0ME
264	OK2GU			ALL	LO	-	61	61	41	2.501	OK2GU
265	YU1ML			ALL	LO	-	67	67	37	2.479	
266	IV3ELR			ALL	LO	-	65	65	38	2.470	IV3ELR
267	UA6ARR			ALL	LO	-	85	85	29	2.465	UA6ARR
268	PA3HCC	A		ALL	LO	-	72	72	34	2.448	PA3HCC
269	SP2FWC	A		ALL	LO	-	66	66	37	2.442	
270	UG4A	A		ALL	LO	-	83	83	29	2.407	LY AMOV
271	PC1PM	A		ALL	LO	-	75	75	32	2.400	PC1PM
272	M0SEV			ALL	LO	-	96	96	25	2.400	M0SEV
273	G0AJJ			ALL	LO	-	65	65	36	2.340	G0AJJ
274	YO5ODT			ALL	LO	-	66	66	35	2.310	YO5ODT
275	DJ3GE			ALL	LO	-	60	60	37	2.220	DJ3GE
276	RK4K	A		ALL	LO	-	61	61	36	2.196	UA4HGL
277	DL5CC			ALL	LO	-	73	73	30	2.190	DL5CC
278	DL4VK	A		ALL	LO	-	68	68	32	2.176	DL4VK
279	ON3ND			ALL	LO	-	75	75	29	2.175	
280	PG6F	A		ALL	LO	-	61	61	35	2.135	PA0GRU
281	ON9TT	A		ALL	LO	-	61	61	35	2.135	ON9TT
282	DJ9SN			ALL	LO	-	70	70	30	2.100	
283	PA3DBS			ALL	LO	-	57	57	36	2.052	PA3DBS
284	YO4BEX			ALL	LO	-	63	63	32	2.016	YO4BEX
285	US3LX			ALL	LO	-	53	53	38	2.014	
286	EA5DD	A		ALL	LO	-	51	51	39	1.989	EA5DD
287	S55N			ALL	LO	-	56	56	35	1.960	S55N
288	G0JOS			ALL	LO	-	63	63	31	1.953	G0JOS
289	UY3MW			ALL	LO	-	51	51	38	1.938	
290	F5ICC			ALL	LO	-	69	69	28	1.932	F5ICC
291	LZ1GE			ALL	LO	-	71	71	27	1.917	LZ1GE
292	PC4Y			ALL	LO	-	58	58	33	1.914	PC4Y
293	DL9ZP			ALL	LO	-	67	67	28	1.876	DL9ZP
294	HA9RC			ALL	LO	-	72	72	26	1.872	HA9RC
295	DL9GMC			ALL	LO	-	69	69	27	1.863	
296	DL1DQJ			ALL	LO	-	53	53	35	1.855	
297	IU6FUB	A		ALL	LO	-	56	56	33	1.848	
298	IK0OKY			ALL	LO	-	65	65	28	1.820	IK0OKY
299	UA1AUW			ALL	LO	-	60	60	30	1.800	UA1AUW

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
300	IK0NOJ			ALL	LO	-	52	52	34	1.768	
301	OK2LF			ALL	LO	-	53	53	33	1.749	
302	SP5WAZ	A		ALL	LO	-	52	52	33	1.716	SP5WAZ
303	IK5MEP	A		ALL	LO	-	60	60	28	1.680	
304	G3RTU	A		ALL	LO	-	48	48	34	1.632	G3RTU
305	DL2AXM			ALL	LO	-	48	48	34	1.632	DL2AXM
306	9A9J	A		ALL	LO	-	45	45	36	1.620	9A7ZZ
307	UT1IM			ALL	LO	-	60	60	27	1.620	
308	SV1MO	A		ALL	LO	-	62	62	26	1.612	
309	G3YJQ	A		ALL	LO	-	67	67	24	1.608	G3YJQ
310	OK2SGY			ALL	LO	-	50	50	32	1.600	OK2SGY
311	PD7CJT			ALL	LO	-	57	57	28	1.596	PD7CJT
312	UW3HM	A		ALL	LO	-	49	49	32	1.568	UW3HM
313	US6EX			ALL	LO	-	46	46	34	1.564	US6EX
314	DL8UKE			ALL	LO	-	47	47	33	1.551	
315	PA0WKI			ALL	LO	-	50	50	31	1.550	PA0WKI
316	DK3CC			ALL	LO	-	51	51	30	1.530	
317	DA3T	A		ALL	LO	-	61	61	25	1.525	DL8DXL
318	R1NW			ALL	LO	-	47	47	32	1.504	
319	RA5AQ			ALL	LO	-	50	50	30	1.500	RA5AQ
320	DJ8RS			ALL	LO	-	57	57	26	1.482	DJ8RS
321	LY2BAA			ALL	LO	-	47	47	31	1.457	LY2BAA
322	OK1DKE			ALL	LO	-	66	66	22	1.452	OK1DKE
323	SN4D	A		ALL	LO	-	50	50	29	1.450	SP4GAP
324	CR6BWW			ALL	LO	-	45	45	32	1.440	CR6BWW
325	OM5CM	A		ALL	LO	-	55	55	26	1.430	
326	DL4AC	A		ALL	LO	-	55	55	26	1.430	DL4AC
327	IK5BDG			ALL	LO	-	52	52	27	1.404	
328	EA6NB			ALL	LO	-	46	46	30	1.380	
329	RX1AG			ALL	LO	-	65	65	21	1.365	RX1AG
330	EA3NO	A		ALL	LO	-	47	47	29	1.363	EA3NO
331	DH0JAE			ALL	LO	-	52	52	26	1.352	
332	EA1IQM	A		ALL	LO	-	44	44	30	1.320	EA1IQM
333	LZ1KZ			ALL	LO	-	48	48	27	1.296	LZ1KZ
334	SN0R			ALL	LO	-	48	48	26	1.248	SQ9IAU
335	IU6AIG			ALL	LO	-	43	43	29	1.247	
336	HB9BGF			ALL	LO	-	47	47	26	1.222	HB9BGF
337	IZ5IMB			ALL	LO	-	55	55	22	1.210	IZ5IMB
338	IK4XQT			ALL	LO	-	52	52	23	1.196	IK4XQT
339	UA4FDL			ALL	LO	-	44	44	27	1.188	UA4FDL
340	PA2VS			ALL	LO	-	54	54	22	1.188	PA2VS
341	PE1HWO	A		ALL	LO	-	41	41	28	1.148	PE1HWO
342	DF7OA			ALL	LO	-	49	49	22	1.078	
343	F1IKA	A		ALL	LO	-	41	41	26	1.066	
344	3Z8Z			ALL	LO	-	41	41	26	1.066	3Z8Z
345	DL2MM			ALL	LO	-	44	44	24	1.056	DL2MM
346	EA3CWT	A		ALL	LO	-	42	42	25	1.050	EA3CWT
347	UR5CC			ALL	LO	-	43	43	24	1.032	UR5CC
348	US7IGN	A		ALL	LO	-	44	44	23	1.012	US7IGN

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
349	PA3EVY	A		ALL	LO	-	34	34	29	986	PA3EVY
350	DK9ZE			ALL	LO	-	38	38	25	950	DK9ZE
351	SP4AAZ			ALL	LO	-	47	47	20	940	SP4AAZ
352	EA5IFY			ALL	LO	-	37	37	25	925	EA5IFY
353	E78CB			ALL	LO	-	44	44	21	924	
354	YO4FZX			ALL	LO	-	34	34	27	918	YO4FZX
355	S52ON	A		ALL	LO	-	41	41	22	902	S52ON
356	R1LN			ALL	LO	-	37	37	23	851	
357	DQ5M	A		ALL	LO	-	35	35	23	805	DK6SP
358	IN3OWY			ALL	LO	-	34	34	23	782	IN3OWY
359	DL3GJ			ALL	LO	-	39	39	20	780	DL3GJ
360	PC7E	A		ALL	LO	-	37	37	21	777	PC7E
361	Z32ZZZ			ALL	LO	-	32	32	24	768	Z32ZZZ
362	RM1F			ALL	LO	-	36	36	21	756	
363	OM6TX			ALL	LO	-	36	36	21	756	OM6TX
364	SP2DKI	A		ALL	LO	-	37	37	20	740	SP2DKI
365	PA0RRS	A		ALL	LO	-	33	33	22	726	PA0RRS
366	RK1NA			ALL	LO	-	33	33	22	726	RK1NA
367	R1CX	A		ALL	LO	-	36	36	20	720	R1CX
368	EA2SN			ALL	LO	-	32	32	21	672	EA2SN
369	RM2P			ALL	LO	-	29	29	23	667	
370	DL1BZA			ALL	LO	-	37	37	18	666	DL1BZA
371	OK2BLD			ALL	LO	-	34	34	19	646	OK2BLD
372	OE5FDM			ALL	LO	-	30	30	21	630	OE5FDM
373	IK2AUK			ALL	LO	-	30	30	21	630	
374	DL0GEO			ALL	LO	-	35	35	18	630	DL2YAK
375	DK4EF			ALL	LO	-	30	30	20	600	DK4EF
376	DL2VN			ALL	LO	-	29	29	20	580	
377	DL3RDM	A		ALL	LO	-	26	26	22	572	
378	IS0LYN			ALL	LO	-	28	28	19	532	
379	DK5WN			ALL	LO	-	31	31	17	527	
380	UT7MR			ALL	LO	-	27	27	18	486	UT7MR
381	DL4DZ			ALL	LO	-	25	25	19	475	DL4DZ
382	DL2DRM			ALL	LO	-	25	25	19	475	
383	PA7KY			ALL	LO	-	24	24	18	432	PA7KY
384	DG6UAX			ALL	LO	-	22	22	19	418	DG6UAX
385	DL1JHW	A		ALL	LO	-	26	26	16	416	DL1JHW
386	UF1A			ALL	LO	-	25	25	16	400	
387	OK1FIA			ALL	LO	-	26	26	15	390	OK1FIA
388	IN3HUU			ALL	LO	-	21	21	18	378	
389	PA2CHM			ALL	LO	-	34	34	11	374	PA2CHM
390	IK8YJQ			ALL	LO	-	22	22	16	352	
391	EA5ITT			ALL	LO	-	21	21	16	336	
392	UA3X	A		ALL	LO	-	20	20	16	320	UA3X
393	RT6N	A		ALL	LO	-	20	20	15	300	
394	F4GFT			ALL	LO	-	21	21	14	294	F4GFT
395	IT9VDQ	A		ALL	LO	-	17	17	17	289	IT9VDQ
396	EA3DMN			ALL	LO	-	19	19	15	285	
397	OK1DXW			ALL	LO	-	18	18	15	270	OK1DXW

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
398	HB9GFT	A		ALL	LO	-	18	18	15	270	HB9GFT
399	RA3DGH			ALL	LO	-	18	18	14	252	
400	DL4EAX	A		ALL	LO	-	16	16	15	240	DL4EAX
401	G4ETS	A		ALL	LO	-	21	21	11	231	G4ETS
402	DO7ES			ALL	LO	-	19	19	12	228	
403	G0SAC			ALL	LO	-	19	19	11	209	G4WGE
404	F5TYT			ALL	LO	-	17	17	12	204	F5TYT
405	F5MA			ALL	LO	-	18	18	11	198	
406	EW6F			ALL	LO	-	14	14	13	182	EW6GF
407	OK5SWL			ALL	LO	-	16	16	11	176	OK2SWD
408	PA8R	A		ALL	LO	-	13	13	13	169	PA8R
409	R3SM	A		ALL	LO	-	16	16	10	160	
410	F6API			ALL	LO	-	14	14	11	154	F6API
411	SP9DUX			ALL	LO	-	12	12	9	108	SP9DUX
412	ON5IA			ALL	LO	-	12	12	9	108	ON5IA
413	DJ5KW			ALL	LO	-	12	12	9	108	
414	OL1AIY			ALL	LO	-	10	10	10	100	OK1DJS
415	DF1GRA			ALL	LO	-	11	11	8	88	DF1GRA
416	DL8UKW			ALL	LO	-	10	10	8	80	DL8UKW
417	DL1HBT			ALL	LO	-	10	10	8	80	
418	DM5A			ALL	LO	-	10	10	7	70	DJ5NN
419	IK2IKW			ALL	LO	-	8	8	8	64	IK2IKW
420	UA6ADC			ALL	LO	-	10	10	6	60	UA6ADC
421	DF7CP			ALL	LO	-	8	8	7	56	DF7CP
422	RA3FD	A		ALL	LO	-	6	6	6	36	RA3FD
423	DO1PE			ALL	LO	-	6	6	6	36	DO1PE
424	CT/IZ5BBS			ALL	LO	-	6	6	6	36	
425	IK5OJB			ALL	LO	-	7	7	5	35	
426	IV3UHL			ALL	LO	-	5	5	5	25	
427	RA9XSL			ALL	LO	-	5	5	4	20	RA9XSL
428	SP5BN	A	SO2R	ALL	LO	-	4	4	4	16	SP5BN
429	DK6SP	A		ALL	LO	-	3	3	3	9	
430	IK7UKF			ALL	LO	-	2	2	2	4	
431	R2SAG			ALL	LO	-	1	1	1	1	R2SAG 2
432	OK7SE			ALL	LO	-	1	1	1	1	
433	DC1MBR			ALL	LO	-	1	1	1	1	

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	UT8AS			ALL	QRP	-	295	295	92	27.140	
2	RM5F	A	SO2R	ALL	QRP	-	282	282	88	24.816	RM5F
3	LZ2RS			ALL	QRP	-	263	263	85	22.355	LZ2RS
4	YO8DOH	A		ALL	QRP	-	260	260	81	21.060	YO8DOH
5	DL1EFW	A		ALL	QRP	-	257	257	81	20.817	DL1EFW
6	SP1C	A		ALL	QRP	-	261	261	73	19.053	SP1C
7	YL3FW			ALL	QRP	-	200	200	65	13.000	
8	EA7AAW			ALL	QRP	-	159	159	72	11.448	EA7AAW/QRP
9	RU6YJ			ALL	QRP	-	174	174	65	11.310	RU6YJ
10	UX8IW	A		ALL	QRP	-	150	150	70	10.500	UX8IW

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
11	HG6C			ALL	QRP	-	157	157	65	10.205	HA6IAM
12	HF5WIM			ALL	QRP	-	160	160	61	9.760	HF5WIM
13	GW4W	A		ALL	QRP	-	136	136	69	9.384	GW4EVX
14	F6CWA			ALL	QRP	-	142	142	56	7.952	
15	OK6OK			ALL	QRP	-	139	139	57	7.923	OK6OK
16	YL0A	A		ALL	QRP	-	144	144	55	7.920	YL2KA
17	RD3ARU	A		ALL	QRP	-	141	141	54	7.614	RD3ARU
18	UY7RR			ALL	QRP	-	119	119	63	7.497	UY7RR
19	R5FQ			ALL	QRP	-	136	136	55	7.480	R5FQ
20	IV3DRP			ALL	QRP	-	137	137	54	7.398	
21	F6FTB			ALL	QRP	-	127	127	56	7.112	F6FTB
22	YL2EM			ALL	QRP	-	123	123	49	6.027	YL2EM
23	9A4LW			ALL	QRP	-	101	101	59	5.959	9A4LW
24	F6HHR			ALL	QRP	-	106	106	54	5.724	
25	DL8TG	A		ALL	QRP	-	108	108	53	5.724	DL8TG
26	PE2K	A		ALL	QRP	-	116	116	49	5.684	PE2K
27	OK1KDN			ALL	QRP	-	109	109	50	5.450	
28	DL8MBS			ALL	QRP	-	107	107	50	5.350	DL8MBS
29	HG7J			ALL	QRP	-	101	101	52	5.252	
30	RM7F			ALL	QRP	-	113	113	44	4.972	RM7F
31	UV2IZ	A		ALL	QRP	-	84	84	58	4.872	UV2IZ
32	SQ2RH			ALL	QRP	-	98	98	47	4.606	SQ2RH
33	DJ1XT	A		ALL	QRP	-	93	93	47	4.371	DJ1XT
34	EW8G			ALL	QRP	-	102	102	42	4.284	EW8G
35	UT5EOX			ALL	QRP	-	84	84	48	4.032	
36	RV3DBK			ALL	QRP	-	103	103	39	4.017	RV3DBK
37	ON7CC			ALL	QRP	-	77	77	50	3.850	ON7CC
38	YL3AD			ALL	QRP	-	114	114	32	3.648	YL3AD
39	US5VX			ALL	QRP	-	87	87	40	3.480	US5VX
40	IW3ILM	A		ALL	QRP	-	90	90	37	3.330	IW3ILM
41	DK4CU			ALL	QRP	-	78	78	38	2.964	
42	UA3GDU			ALL	QRP	-	68	68	43	2.924	UA3GDU
43	YO4TL			ALL	QRP	-	73	73	40	2.920	
44	M0ORY			ALL	QRP	-	62	62	41	2.542	M0ORY
45	RW3AI			ALL	QRP	-	61	61	41	2.501	
46	OK1FKD	A		ALL	QRP	-	49	49	49	2.401	
47	DF7XR			ALL	QRP	-	67	67	33	2.211	
48	R3IBT	A		ALL	QRP	-	56	56	35	1.960	R3IBT
49	PC5D	A		ALL	QRP	-	56	56	32	1.792	PC5D
50	SP2FOV			ALL	QRP	-	66	66	26	1.716	SP2FOV
51	IZ3NVR			ALL	QRP	-	62	62	27	1.674	IZ3NVR
52	PA0VLA			ALL	QRP	-	55	55	29	1.595	PA0VLA
53	ON6PJ			ALL	QRP	-	52	52	30	1.560	ON6PJ
54	PD0JMH	A		ALL	QRP	-	49	49	31	1.519	PD0JMH
55	G4OZG	A		ALL	QRP	-	50	50	30	1.500	G4OZG
56	G4ENZ	A		ALL	QRP	-	51	51	28	1.428	G4ENZ
57	OK2SLS			ALL	QRP	-	42	42	33	1.386	
58	DL7UKT			ALL	QRP	-	36	36	27	972	DL7UKT
59	SP9VFX			ALL	QRP	-	35	35	25	875	



Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
60	IW1CHX			ALL	QRP	-	38	38	22	836	
61	EA2CAR			ALL	QRP	-	36	36	22	792	
62	R7MT			ALL	QRP	-	32	32	24	768	R7MT
63	UA3PP			ALL	QRP	-	36	36	17	612	AI KOV
64	9A5MPV	A		ALL	QRP	-	33	33	16	528	9A5MPV
65	SP9MZH	A		ALL	QRP	-	21	21	18	378	SP9MZH
66	DF3IAL	A		ALL	QRP	-	27	27	14	378	SM6CNN
67	US1UU			ALL	QRP	-	20	20	18	360	US1UU
68	YO5DBM			ALL	QRP	-	21	21	16	336	YO5DBM
69	SP6IHE			ALL	QRP	-	17	17	17	289	SP6IHE
70	DK7OG			ALL	QRP	-	18	18	15	270	
71	G0UCP			ALL	QRP	-	20	20	12	240	G0UCP
72	9A5YY	A		ALL	QRP	-	18	18	13	234	9A5YY
73	OM3WZ			ALL	QRP	-	15	15	15	225	OM3WZ
74	DL6OZ	A		ALL	QRP	-	15	15	13	195	DL6OZ
75	DK1TBL			ALL	QRP	-	10	10	10	100	DK1TBL
76	DL2PR	A		ALL	QRP	-	10	10	7	70	
77	SV1GRN	A		ALL	QRP	-	1	1	1	1	SV1GRN

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	SN5X	A		LO-B	HI	-	336	336	78	26.208	SP5GRM
2	DR5X	A		LO-B	HI	-	335	335	77	25.795	DL9EE
3	LY8A	A		LO-B	HI	-	339	339	75	25.425	LY8A
4	EU8U	A		LO-B	HI	-	327	327	74	24.198	
5	LY4G	A		LO-B	HI	-	329	329	72	23.688	
6	SN1T	A		LO-B	HI	-	309	309	76	23.484	SP1NQN
7	RW1A	A		LO-B	HI	-	301	301	77	23.177	RW1A
8	DL3DTH	A		LO-B	HI	-	300	300	77	23.100	DL3DTH
9	LY2NK			LO-B	HI	-	309	309	72	22.248	LY2NK
10	YL2PJ			LO-B	HI	-	286	286	75	21.450	YL2PJ
11	DL8QS	A		LO-B	HI	-	285	285	74	21.090	DL8QS
12	LY5I	A		LO-B	HI	-	266	266	73	19.418	LY5I
13	SP2R	A		LO-B	HI	-	262	262	72	18.864	SP2R
14	OL6D	A		LO-B	HI	-	252	252	73	18.396	OK1DWQ
15	SO3O			LO-B	HI	-	260	260	69	17.940	
16	UZ1WW	A		LO-B	HI	-	241	241	72	17.352	UZ1WW
17	OK3X	A		LO-B	HI	-	232	232	71	16.472	OK1VK
18	YL7A	A		LO-B	HI	-	230	230	71	16.330	YL7A
19	LY2MM	A		LO-B	HI	-	233	233	67	15.611	LY2MM
20	G3P	A		LO-B	HI	-	230	230	67	15.410	G3WPH
21	LY2TS	A		LO-B	HI	-	217	217	70	15.190	LY2TS
22	SP7IIT	A		LO-B	HI	-	227	227	65	14.755	SP7IIT
23	DF8AA	A		LO-B	HI	-	215	215	67	14.405	
24	LZ5N			LO-B	HI	-	208	208	67	13.936	LZ1HW
25	DL2FQ	A		LO-B	HI	-	203	203	68	13.804	
26	DL5KUD			LO-B	HI	-	203	203	66	13.398	DL5KUD
27	HB9TSW	A		LO-B	HI	-	183	183	71	12.993	HB9TSW
28	DL4ME	A		LO-B	HI	-	192	192	66	12.672	DL4ME

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
29	YL2PP			LO-B	HI	-	189	189	65	12.285	
30	YL3GAZ	A		LO-B	HI	-	196	196	62	12.152	YL3GAZ
31	S54X	A		LO-B	HI	-	184	184	66	12.144	S54X
32	LY2SA	A		LO-B	HI	-	198	198	61	12.078	LY2SA
33	YL2TD	A		LO-B	HI	-	197	197	61	12.017	YL2TD
34	DK2FG	A		LO-B	HI	-	187	187	63	11.781	DK2FG
35	SP3CW	A		LO-B	HI	-	180	180	64	11.520	SP3CW
36	YL3JD	A		LO-B	HI	-	180	180	60	10.800	YL3JD
37	G4ERW	A		LO-B	HI	-	155	155	68	10.540	G4ERW
38	OM5KM	A		LO-B	HI	-	172	172	61	10.492	OM5KM
39	9A1AA	A		LO-B	HI	-	163	163	64	10.432	
40	DM5DM	A		LO-B	HI	-	167	167	62	10.354	DM5DM
41	R3RK	A		LO-B	HI	-	175	175	59	10.325	R3RK
42	SP2KAC	A		LO-B	HI	-	166	166	60	9.960	SP2KAC
43	SP2HMT			LO-B	HI	-	157	157	63	9.891	
44	SN1D	A		LO-B	HI	-	160	160	61	9.760	SP1GZF
45	OE6MMD	A		LO-B	HI	-	137	137	66	9.042	OE6MMD
46	DK4LX			LO-B	HI	-	157	157	57	8.949	DK4LX
47	S51W	A		LO-B	HI	-	155	155	55	8.525	S51W
48	SQ3WW			LO-B	HI	-	135	135	62	8.370	SQ3WW
49	IV3DXW	A		LO-B	HI	-	135	135	57	7.695	IV3DXW
50	SP2XX			LO-B	HI	-	132	132	53	6.996	
51	LY2MC	A		LO-B	HI	-	126	126	54	6.804	LY2MC
52	R1AO			LO-B	HI	-	134	134	50	6.700	R1AO
53	R3LC	A		LO-B	HI	-	119	119	55	6.545	R3LC
54	HA8TP	A		LO-B	HI	-	154	154	40	6.160	HA8TP
55	DJ3RA			LO-B	HI	-	122	122	50	6.100	DJ3RA
56	ON5WL			LO-B	HI	-	114	114	51	5.814	ON5WL
57	OK1HCG			LO-B	HI	-	111	111	51	5.661	
58	RG2Y	A		LO-B	HI	-	109	109	51	5.559	
59	HA3OU	A		LO-B	HI	-	97	97	47	4.559	HA3OU
60	DL2LDE	A		LO-B	HI	-	125	125	36	4.500	DL2LDE
61	SO0N	A		LO-B	HI	-	87	87	51	4.437	SQ9CNN
62	UA6AK			LO-B	HI	-	121	121	36	4.356	
63	M8A	A		LO-B	HI	-	88	88	47	4.136	M0HDF
64	RN2FQ			LO-B	HI	-	95	95	43	4.085	RN2FQ
65	OT5Q	A		LO-B	HI	-	119	119	34	4.046	OT5Q
66	UY3AW			LO-B	HI	-	82	82	49	4.018	UY3AW
67	PA0JED	A		LO-B	HI	-	90	90	44	3.960	PA0JED
68	YL2HB			LO-B	HI	-	82	82	36	2.952	
69	R2ATC			LO-B	HI	-	68	68	39	2.652	R2ATC
70	DL1HUH	A		LO-B	HI	-	63	63	32	2.016	
71	EA5O	A		LO-B	HI	-	65	65	28	1.820	EA5O
72	OM5VS			LO-B	HI	-	50	50	34	1.700	OM5VS
73	DG0KS	A		LO-B	HI	-	59	59	22	1.298	DG0KS
74	DK3WW	A		LO-B	HI	-	34	34	24	816	DK3WW

Multi Operator CW									
#	CALL	CLASS	BAND	PWR	QSO	POINTS	MULT.	SCORE	OPERATORS
1	HG7T	MULTI-ONE	ALL	HI	582	582	156	90.792	HA7TM HG5DX
2	LZ7A	MULTI-ONE	ALL	HI	378	378	115	43.470	LZ1AO LZ5EE LZ1RF
3	YP5A	MULTI-ONE	ALL	HI	272	272	88	23.936	YO5CBX YO5OLD
4	RK4HYT	MULTI-ONE	ALL	HI	249	249	85	21.165	A Y
5	9A7T	MULTI-ONE	ALL	HI	193	193	99	19.107	9A5MR 9A5B
6	F8KLY	MULTI-ONE	ALL	HI	195	195	63	12.285	F6HJO F4HMX
7	UW6M	MULTI-ONE	ALL	HI	163	163	72	11.736	UR2MR UY7MF RA7KY US2MT
8	HG52IEC	MULTI-ONE	ALL	HI	104	104	61	6.344	
9	HB9EP	MULTI-ONE	ALL	HI	78	78	29	2.262	HB9GFT HB9GZP HB9FBL HB9DQP

## Checklogs

4U1A, DC60, DF8TY, DF9ZV, DL1LZ, DL2LFH, DL4CF, DL6KWN, DL7USW/P, DL8ULF, DQ850DOM, EA1G, EA1IQ, EA4OR, EA5T, EI6KW, EW1TO, F3WT, G0ORH, HA0GK, HA1RJ, HA2OS, HA3HX, HB9AMO, HG4I, HG5D, IQ2CJ, IT9ORA, IT9UFP, IV3FPX, LY1CT, LY3NX, LY4T, LY7M, LZ1JZ, LZ1YF, LZ5XQ, OK1ITK, OK7CM, PG7V, R5AG, RT4W, RU4SO, RX3QNE, S51J, SN2S, SP0DXC, SP3JIA, SP7FCX, SP9H, SP9JZT, SP9YGD, SV2SIF, SV3RF, SV4FFL, TM0SOC, UA3QPA, UA6YH, UT4LW, UT5NR, UW7CN, UX7IW, YO2CEQ, YO7HGM, YT5N

## Europe SSB

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	LZ6E	A		ALL	HI	-	465	465	144	66.960	LZ1GU
2	HA3DX	A		ALL	HI	-	460	460	141	64.860	HA4XH
3	LY5W	A	SO2R	ALL	HI	-	436	436	144	62.784	LY5W
4	YL7X	A		ALL	HI	-	400	400	146	58.400	YL2LY
5	YP0C			ALL	HI	-	397	397	131	52.007	YO3CZW
6	DG9SEH	A		ALL	HI	-	375	375	121	45.375	DG9SEH
7	RL4A	A		ALL	HI	-	327	327	127	41.529	
8	RA3OA	A		ALL	HI	-	323	323	115	37.145	RA3OA
9	F5OHM			ALL	HI	-	334	334	99	33.066	
10	EO50FF			ALL	HI	-	319	319	103	32.857	UX0FF
11	I2WIJ	A	SO2R	ALL	HI	-	275	275	109	29.975	
12	DG6SA			ALL	HI	-	290	290	96	27.840	DG6SA
13	EA3HJO			ALL	HI	-	267	267	100	26.700	EA3HJO
14	HA3NU	A		ALL	HI	-	236	236	92	21.712	
15	SN7R			ALL	HI	-	249	249	87	21.663	SP7RFF
16	S57DX	A		ALL	HI	-	233	233	90	20.970	S57DX
17	ES3TI	A		ALL	HI	-	200	200	104	20.800	
18	US5QRW			ALL	HI	-	214	214	97	20.758	
19	OE5TXF	A		ALL	HI	-	233	233	89	20.737	G3TXF
20	CU2KG			ALL	HI	-	207	207	99	20.493	
21	DL8AAE	A		ALL	HI	-	226	226	90	20.340	DL8AAE
22	IX1HPN	A		ALL	HI	-	242	242	80	19.360	
23	YO4NF	A		ALL	HI	-	214	214	82	17.548	YO4NF
24	EA2AOO/P	A		ALL	HI	-	208	208	84	17.472	EA2AOO
25	OM4M			ALL	HI	-	223	223	78	17.394	OM4KK
26	PC2K	A		ALL	HI	-	195	195	83	16.185	PC2K
27	F1ADG	A		ALL	HI	-	175	175	72	12.600	
28	IZ2ODM	A		ALL	HI	-	164	164	76	12.464	
29	G4ERW	A		ALL	HI	-	148	148	80	11.840	G4ERW

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
30	IT9OPR	A		ALL	HI	-	176	176	63	11.088	
31	EA5O	A		ALL	HI	-	138	138	78	10.764	EA5O
32	UR5EDX	A		ALL	HI	-	161	161	65	10.465	UR5EDX
33	PA3GVQ			ALL	HI	-	146	146	70	10.220	PA3GVQ
34	IU3BTY	A		ALL	HI	-	206	206	48	9.888	IU3BTY
35	GW4BKG	A		ALL	HI	-	152	152	65	9.880	
36	OK1OA			ALL	HI	-	139	139	71	9.869	OK1OA
37	HB9CIC	A		ALL	HI	-	157	157	62	9.734	HB9CIC
38	I4AUM			ALL	HI	-	129	129	64	8.256	
39	S52WW	A		ALL	HI	-	143	143	54	7.722	S52WW
40	G3SWC			ALL	HI	-	120	120	64	7.680	G3SWC
41	DL1INKS	A		ALL	HI	-	117	117	63	7.371	DL1INKS
42	PI4RCB	A		ALL	HI	-	118	118	60	7.080	PI4RCB
43	F1GRH			ALL	HI	-	112	112	61	6.832	F1GRH
44	DK7AM	A		ALL	HI	-	110	110	62	6.820	
45	DB7BN	A		ALL	HI	-	109	109	61	6.649	DB7BN
46	DM5I	A		ALL	HI	-	107	107	61	6.527	DF3VM
47	DL2BDA	A		ALL	HI	-	113	113	57	6.441	DL2BDA
48	IU0OVB	A		ALL	HI	-	111	111	58	6.438	IU0OVB
49	HG4I	A		ALL	HI	-	163	163	39	6.357	
50	PE1PIX	A		ALL	HI	-	107	107	52	5.564	PE1PIX
51	LY3CY			ALL	HI	-	97	97	56	5.432	LY3CY
52	PA3AAV	A		ALL	HI	-	101	101	53	5.353	
53	F6GPT			ALL	HI	-	97	97	52	5.044	F6GPT
54	OT3T	A		ALL	HI	-	91	91	55	5.005	ON7EQ
55	9A1CVG			ALL	HI	-	100	100	50	5.000	9A5OIA
56	GS8VL			ALL	HI	-	118	118	42	4.956	GM0AXY
57	DJ2VA	A		ALL	HI	-	88	88	50	4.400	DJ2VA
58	I0MQV			ALL	HI	-	82	82	53	4.346	I0MQV
59	US5QUB	A		ALL	HI	-	85	85	49	4.165	US5QUB
60	DL6RBO	A		ALL	HI	-	102	102	40	4.080	
61	RW1CW			ALL	HI	-	79	79	50	3.950	RW1CW
62	F4FNT			ALL	HI	-	79	79	49	3.871	
63	RT2C	A		ALL	HI	-	84	84	46	3.864	RV3FF
64	DK5AV	A		ALL	HI	-	76	76	49	3.724	DK5AV
65	RT2H			ALL	HI	-	67	67	53	3.551	
66	RT5Q	A		ALL	HI	-	97	97	34	3.298	
67	RN3T	A		ALL	HI	-	95	95	33	3.135	UA3TW
68	Z61DX	A		ALL	HI	-	87	87	36	3.132	Z61DX
69	HA3GO			ALL	HI	-	69	69	45	3.105	
70	ES1BH	A		ALL	HI	-	63	63	41	2.583	ES1BH
71	DH2RTW			ALL	HI	-	89	89	29	2.581	DH2RTW
72	F1PNJ			ALL	HI	-	61	61	40	2.440	F1PNJ
73	YU6TM			ALL	HI	-	63	63	38	2.394	YU6TM
74	IZ2LQD			ALL	HI	-	70	70	34	2.380	
75	IK4AUY			ALL	HI	-	55	55	38	2.090	
76	SP7MU			ALL	HI	-	62	62	30	1.860	SP7MU
77	F4HPX			ALL	HI	-	60	60	29	1.740	F4HPX
78	LY2AX	A		ALL	HI	-	44	44	39	1.716	LY2AX

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
79	SP6FAF			ALL	HI	-	61	61	26	1.586	SP6FAF
80	SV3SPC	A	SO2R	ALL	HI	-	45	45	35	1.575	SV3SPC
81	IK2LOL			ALL	HI	-	44	44	33	1.452	IK2LOL
82	TK4QL			ALL	HI	-	50	50	29	1.450	
83	PD0WVB			ALL	HI	-	49	49	29	1.421	PD0WVB
84	DK6BA	A		ALL	HI	-	43	43	33	1.419	
85	IZ3GNG			ALL	HI	-	51	51	27	1.377	
86	IZ4UFB			ALL	HI	-	50	50	26	1.300	IZ4UFB
87	PA0MIR			ALL	HI	-	50	50	23	1.150	PA0MIR
88	IN3IIR			ALL	HI	-	45	45	25	1.125	
89	DL3LJ			ALL	HI	-	37	37	30	1.110	DL3LJ
90	OK2ABU			ALL	HI	-	50	50	21	1.050	
91	PD1HDV			ALL	HI	-	39	39	26	1.014	PD1HDV
92	SP1JQJ			ALL	HI	-	42	42	24	1.008	SP1JQJ
93	DL1DTL	A		ALL	HI	-	37	37	26	962	
94	RW1F	A		ALL	HI	-	33	33	25	825	
95	MI5K			ALL	HI	-	35	35	23	805	MI5K
96	DG7NFX	A		ALL	HI	-	40	40	18	720	DG7NFX
97	YO3GNF			ALL	HI	-	33	33	21	693	YO3GNF
98	HA3MGA			ALL	HI	-	29	29	22	638	
99	HG3FNC			ALL	HI	-	31	31	18	558	
100	HA3IW			ALL	HI	-	29	29	19	551	
101	DL5YM	A		ALL	HI	-	28	28	19	532	
102	IU0APU			ALL	HI	-	24	24	22	528	
103	RA4Y	A		ALL	HI	-	25	25	21	525	RA4Y
104	DD5VL	A		ALL	HI	-	23	23	22	506	
105	EC3AIT	A		ALL	HI	-	24	24	21	504	EC3AIT
106	HG3IP			ALL	HI	-	27	27	15	405	
107	LZ2HM	A		ALL	HI	-	18	18	12	216	
108	DK1AX	A		ALL	HI	-	15	15	14	210	
109	OQ5M	A		ALL	HI	-	17	17	11	187	ON5ZO
110	DL8LSK			ALL	HI	-	15	15	12	180	
111	RD1A	A		ALL	HI	-	14	14	12	168	
112	DL1LOD	A		ALL	HI	-	16	16	10	160	DL1LOD
113	M0CGF			ALL	HI	-	6	6	6	36	M0CGF
114	UT0RS			ALL	HI	-	7	7	5	35	UT0RS
115	PA1JN			ALL	HI	-	2	2	2	4	PA1JN
116	F1IKA			ALL	HI	-	2	2	2	4	

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	LY9A	A	SO2R	ALL	LO	-	396	396	144	57.024	
2	IT9FRX	A		ALL	LO	-	388	388	124	48.112	
3	E73PS			ALL	LO	-	346	346	118	40.828	
4	IV3KKW	A		ALL	LO	-	300	300	101	30.300	
5	LY5XX	A	SO2R	ALL	LO	-	293	293	99	29.007	
6	SV3RPQ	A		ALL	LO	-	296	296	95	28.120	SV3RPQ
7	OK2MBP			ALL	LO	-	257	257	93	23.901	OK2MBP
8	LZ1JZ	A		ALL	LO	-	236	236	88	20.768	LZ1JZ

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
9	RZ3Z	A		ALL	LO	-	238	238	87	20.706	RZ3Z
10	UR4QFP	A		ALL	LO	-	213	213	82	17.466	UR4QFP
11	G0AJJ			ALL	LO	-	226	226	77	17.402	G0AJJ
12	IZ0VXY			ALL	LO	-	234	234	74	17.316	
13	IU5ICR			ALL	LO	-	196	196	86	16.856	
14	G9P			ALL	LO	-	198	198	83	16.434	
15	IT9FIQ	A		ALL	LO	-	212	212	77	16.324	
16	UW7EF			ALL	LO	-	194	194	81	15.714	UW7EF
17	EA3FP	A		ALL	LO	-	180	180	78	14.040	EA3FP
18	2E0SPS			ALL	LO	-	167	167	84	14.028	2E0SPS
19	G3R			ALL	LO	-	173	173	79	13.667	G0CDA
20	DG5MLA			ALL	LO	-	186	186	71	13.206	
21	F6DRP			ALL	LO	-	185	185	71	13.135	F6DRP
22	R3LC	A		ALL	LO	-	158	158	79	12.482	R3LC
23	IV3EAD			ALL	LO	-	149	149	83	12.367	
24	9A9J	A		ALL	LO	-	187	187	63	11.781	9A7ZZ
25	LZ2ZY			ALL	LO	-	172	172	68	11.696	LZ2ZY
26	DJ9ZB	A		ALL	LO	-	169	169	65	10.985	DJ9ZB
27	LZ1DQ			ALL	LO	-	160	160	65	10.400	LZ1DQ
28	IZ8EPX	A		ALL	LO	-	168	168	61	10.248	
29	LZ1ND	A		ALL	LO	-	154	154	66	10.164	LZ1ND
30	IK7ZLW			ALL	LO	-	131	131	76	9.956	
31	YO7ARZ			ALL	LO	-	155	155	64	9.920	YO7ARZ
32	DH1PAL			ALL	LO	-	141	141	68	9.588	DH1PAL
33	DK5WO	A		ALL	LO	-	134	134	67	8.978	DK5WO
34	DL8UV			ALL	LO	-	124	124	71	8.804	
35	ON5RZ	A		ALL	LO	-	130	130	67	8.710	ON5RZ
36	PE0CD	A		ALL	LO	-	124	124	69	8.556	PE0CD
37	LY5GT			ALL	LO	-	138	138	61	8.418	LY5GT
38	MU0GSY			ALL	LO	-	151	151	55	8.305	MU0GSY
39	LY5AX	A		ALL	LO	-	115	115	69	7.935	LY5AX
40	PC1PM	A		ALL	LO	-	129	129	61	7.869	PC1PM
41	F4HCK			ALL	LO	-	122	122	63	7.686	F4HCK
42	PA3EOU			ALL	LO	-	123	123	61	7.503	
43	EI3ENB			ALL	LO	-	123	123	61	7.503	EI3ENB
44	F4IEX			ALL	LO	-	117	117	63	7.371	F4IEX
45	ON4BHQ	A		ALL	LO	-	114	114	64	7.296	ON4BHQ
46	RN4HAB			ALL	LO	-	123	123	59	7.257	RN4HAB
47	G8S	A		ALL	LO	-	115	115	63	7.245	G4IDF
48	DL6MRM			ALL	LO	-	127	127	57	7.239	DL6MRM
49	UX7MR			ALL	LO	-	110	110	64	7.040	UX7MR
50	G4POF			ALL	LO	-	119	119	58	6.902	G4POF
51	DL9HB			ALL	LO	-	115	115	60	6.900	
52	9A2EY			ALL	LO	-	125	125	54	6.750	9A2EY
53	IU5KRE			ALL	LO	-	128	128	52	6.656	
54	DL3ABY			ALL	LO	-	112	112	59	6.608	DL3ABY
55	IW0HEI	A		ALL	LO	-	106	106	62	6.572	
56	LY5I	A		ALL	LO	-	99	99	66	6.534	LY5I
57	IK4OMU	A		ALL	LO	-	148	148	44	6.512	IK4OMU

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
58	YO8RZJ			ALL	LO	-	122	122	53	6.466	YO8RZJ
59	R2EL			ALL	LO	-	111	111	57	6.327	R2EL
60	SP9ODM			ALL	LO	-	115	115	55	6.325	SP9ODM
61	ON5GM	A		ALL	LO	-	124	124	51	6.324	ON5GM
62	HB9HID			ALL	LO	-	117	117	54	6.318	HB9HID
63	SP8KM			ALL	LO	-	120	120	52	6.240	SP8KM
64	IK4RQJ			ALL	LO	-	86	86	72	6.192	
65	I4ABG	A		ALL	LO	-	100	100	58	5.800	
66	M7TXR	A		ALL	LO	-	107	107	54	5.778	M7TXR
67	PH4E			ALL	LO	-	99	99	58	5.742	PH4E
68	OE1HHB	A		ALL	LO	-	117	117	48	5.616	OE1HHB
69	IZ8GNR	A		ALL	LO	-	111	111	50	5.550	
70	EA1T	A		ALL	LO	-	103	103	53	5.459	EA1T
71	EI3CTB	A		ALL	LO	-	113	113	48	5.424	EI3CTB
72	SP9AB			ALL	LO	-	97	97	55	5.335	SP9AB
73	SN4D	A		ALL	LO	-	95	95	56	5.320	SP4GAP
74	OM1EE			ALL	LO	-	101	101	52	5.252	
75	SV6NNZ/P			ALL	LO	-	95	95	55	5.225	SV6NNZ
76	PA2PKZ	A		ALL	LO	-	95	95	55	5.225	PA2PKZ
77	EA6ACF			ALL	LO	-	93	93	56	5.208	EA6ACF
78	DL/YL3GX			ALL	LO	-	102	102	51	5.202	YL3GX
79	OK2TS			ALL	LO	-	119	119	43	5.117	OK2TS
80	HB9HHN			ALL	LO	-	93	93	55	5.115	
81	SQ5DTL			ALL	LO	-	104	104	49	5.096	SQ5DTL
82	OM8JP			ALL	LO	-	104	104	48	4.992	
83	IZ6DWH			ALL	LO	-	92	92	53	4.876	
84	2E0EVM			ALL	LO	-	85	85	55	4.675	2E0EVM
85	PE0CWK			ALL	LO	-	107	107	43	4.601	PE0CWK
86	PD5ISW			ALL	LO	-	104	104	44	4.576	PD5ISW
87	M7CDJ			ALL	LO	-	92	92	49	4.508	
88	R6LBK			ALL	LO	-	85	85	50	4.250	R6LBK
89	PA3MM	A		ALL	LO	-	94	94	44	4.136	PA3MM
90	2M0YTN			ALL	LO	-	82	82	50	4.100	
91	F4HGU	A		ALL	LO	-	105	105	39	4.095	F4HGU
92	IU7CUE			ALL	LO	-	73	73	56	4.088	
93	IU5HES			ALL	LO	-	90	90	44	3.960	
94	IW0HLZ			ALL	LO	-	87	87	45	3.915	
95	SP1FRC			ALL	LO	-	79	79	49	3.871	
96	DF9IX			ALL	LO	-	104	104	37	3.848	
97	UT1WW			ALL	LO	-	81	81	47	3.807	
98	IZ1RDQ			ALL	LO	-	74	74	51	3.774	
99	EB5CS			ALL	LO	-	73	73	51	3.723	EB5CS
100	YO3XX/P	A		ALL	LO	-	78	78	47	3.666	YO3XX
101	DL5MHK	A		ALL	LO	-	77	77	47	3.619	DL5MHK
102	DL4MFR	A		ALL	LO	-	67	67	54	3.618	
103	EA5JDN	A		ALL	LO	-	73	73	49	3.577	EA5JDN
104	SP4BAO			ALL	LO	-	73	73	49	3.577	
105	US1VM			ALL	LO	-	85	85	41	3.485	US1VM
106	PD1TV			ALL	LO	-	97	97	35	3.395	PD1TV

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
107	ON6LR	A		ALL	LO	-	67	67	50	3.350	
108	OM5NL	A		ALL	LO	-	101	101	33	3.333	
109	TK4TH			ALL	LO	-	86	86	38	3.268	TK4TH
110	SP9KJU			ALL	LO	-	71	71	46	3.266	SP9MDY
111	PD8DX			ALL	LO	-	73	73	44	3.212	PD8DX
112	IK4ZIF	A		ALL	LO	-	74	74	42	3.108	
113	YO5PVZ			ALL	LO	-	64	64	48	3.072	YO5PVZ
114	DH9DX/P			ALL	LO	-	85	85	36	3.060	
115	YO4SI			ALL	LO	-	65	65	46	2.990	YO4SI
116	IK7RVY			ALL	LO	-	96	96	31	2.976	
117	9A/TA2BDD			ALL	LO	-	62	62	48	2.976	AN KAYA
118	YO3HEX	A		ALL	LO	-	99	99	30	2.970	YO3HEX
119	IK4XQT			ALL	LO	-	76	76	39	2.964	
120	F5TAB	A		ALL	LO	-	74	74	40	2.960	F5TAB
121	9A0DIG			ALL	LO	-	77	77	38	2.926	9A3SM
122	DL9OHA	A		ALL	LO	-	68	68	43	2.924	
123	F8CRS	A		ALL	LO	-	96	96	30	2.880	
124	G1K			ALL	LO	-	71	71	40	2.840	M0RTQ
125	IN3FHE	A		ALL	LO	-	89	89	31	2.759	
126	DJ6DO			ALL	LO	-	86	86	32	2.752	DJ6DO
127	DG2BPW	A		ALL	LO	-	61	61	45	2.745	DG2BPW
128	SP9MAT			ALL	LO	-	92	92	29	2.668	SP9MAT
129	OM6AT			ALL	LO	-	72	72	36	2.592	OM6AT
130	HB9DXB			ALL	LO	-	63	63	41	2.583	HB9DXB
131	GM0TKB			ALL	LO	-	66	66	39	2.574	GM0TKB
132	PA2Z			ALL	LO	-	77	77	32	2.464	PA2Z
133	UA4HGL			ALL	LO	-	60	60	41	2.460	UA4HGL
134	F6HJO			ALL	LO	-	71	71	34	2.414	F6HJO
135	PA5JD			ALL	LO	-	74	74	32	2.368	PA5JD
136	LZ6DX	A		ALL	LO	-	75	75	30	2.250	LZ6DX
137	IW1RMM			ALL	LO	-	59	59	38	2.242	
138	SP5NZF			ALL	LO	-	57	57	36	2.052	SP5NZF
139	PA2VS			ALL	LO	-	76	76	27	2.052	PA2VS
140	IK4DCX	A		ALL	LO	-	53	53	38	2.014	
141	2E0GYI			ALL	LO	-	55	55	35	1.925	2E0GYI
142	EA6EA			ALL	LO	-	48	48	39	1.872	EA6EA
143	IN3JRZ			ALL	LO	-	58	58	32	1.856	
144	DK7SM	A		ALL	LO	-	53	53	35	1.855	
145	DB9OH			ALL	LO	-	53	53	35	1.855	DB9OH
146	SP4CUF			ALL	LO	-	61	61	30	1.830	SP4CUF
147	IZ2ZQP			ALL	LO	-	55	55	33	1.815	
148	OK1TK			ALL	LO	-	60	60	30	1.800	OK1TK
149	PA3CGJ			ALL	LO	-	60	60	30	1.800	PA3CGJ
150	E73AA	A		ALL	LO	-	58	58	31	1.798	E73AA
151	DF6NI			ALL	LO	-	62	62	28	1.736	DF6NI
152	DM5ML			ALL	LO	-	51	51	34	1.734	
153	YO5CTS			ALL	LO	-	61	61	28	1.708	YO5CTS
154	2E0INN			ALL	LO	-	71	71	24	1.704	2E0INN
155	ES2IPA			ALL	LO	-	53	53	32	1.696	



Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
156	DF8HS			ALL	LO	-	53	53	31	1.643	DF8HS
157	G0JDL			ALL	LO	-	52	52	31	1.612	G0JDL
158	OM7AT			ALL	LO	-	49	49	32	1.568	
159	GB1OOH			ALL	LO	-	61	61	25	1.525	G0WJK
160	RA3DGH			ALL	LO	-	54	54	28	1.512	
161	HB9GPG			ALL	LO	-	58	58	26	1.508	
162	YL3GQ	A		ALL	LO	-	52	52	29	1.508	YL3GQ
163	EA2SN			ALL	LO	-	47	47	32	1.504	EA2SN
164	RZ6D			ALL	LO	-	48	48	31	1.488	
165	EA2EWL			ALL	LO	-	47	47	31	1.457	
166	HA2EAV			ALL	LO	-	50	50	29	1.450	
167	SP3POB	A		ALL	LO	-	45	45	32	1.440	SP3TYJ
168	DG7SCB	A		ALL	LO	-	52	52	26	1.352	DG7SCB
169	DL2MM			ALL	LO	-	56	56	24	1.344	DL2MM
170	IU3OCN			ALL	LO	-	42	42	31	1.302	
171	DG9FBA			ALL	LO	-	51	51	25	1.275	
172	OM1AVV	A		ALL	LO	-	48	48	26	1.248	OM1AVV
173	ES6RMR			ALL	LO	-	42	42	29	1.218	ES6RMR
174	IK1RGK			ALL	LO	-	41	41	29	1.189	
175	OK2GU			ALL	LO	-	41	41	28	1.148	OK2GU
176	PD1ABO			ALL	LO	-	44	44	26	1.144	PD1ABO
177	IK2SAR			ALL	LO	-	44	44	26	1.144	IK2SAR
178	S56VHR			ALL	LO	-	40	40	27	1.080	S56VHR
179	PA1BD	A		ALL	LO	-	56	56	19	1.064	PA1BD
180	IK1VQY			ALL	LO	-	48	48	22	1.056	IK1VQY
181	DB4LL			ALL	LO	-	48	48	22	1.056	DB4LL
182	YO4BXX			ALL	LO	-	39	39	27	1.053	YO4BXX
183	F5MA			ALL	LO	-	42	42	25	1.050	
184	RW9XU			ALL	LO	-	40	40	26	1.040	KOV R C
185	G1PCR			ALL	LO	-	47	47	22	1.034	G1PCR
186	DL7VRG			ALL	LO	-	39	39	25	975	DL7VRG
187	LY1NDN			ALL	LO	-	36	36	27	972	
188	PD7CJT			ALL	LO	-	44	44	22	968	PD7CJT
189	Z35W			ALL	LO	-	45	45	21	945	
190	DL3MB			ALL	LO	-	40	40	23	920	DL3MB
191	9A2GA	A		ALL	LO	-	38	38	24	912	9A2GA
192	IU1IPB	A		ALL	LO	-	36	36	24	864	
193	ON9TT	A		ALL	LO	-	39	39	22	858	ON9TT
194	ER3CT			ALL	LO	-	34	34	25	850	ER3CT
195	E70AW			ALL	LO	-	42	42	20	840	
196	OM6TX			ALL	LO	-	44	44	19	836	OM6TX
197	DO1CS			ALL	LO	-	35	35	23	805	
198	LZ2JU	A		ALL	LO	-	34	34	23	782	LZ2JU
199	DL4VAI	A		ALL	LO	-	36	36	21	756	DL4VAI
200	9A1BN			ALL	LO	-	37	37	20	740	
201	YO4BEX			ALL	LO	-	37	37	20	740	YO4BEX
202	IK8UND			ALL	LO	-	42	42	17	714	
203	GU0UVH			ALL	LO	-	39	39	18	702	GU0UVH
204	DL1JPF			ALL	LO	-	33	33	21	693	

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
205	PG6F	A		ALL	LO	-	46	46	15	690	PG6F/P
206	CS7AUJ			ALL	LO	-	31	31	22	682	CS7AUJ
207	DN1EAR			ALL	LO	-	29	29	23	667	DN1EAR
208	F5OQL			ALL	LO	-	30	30	21	630	
209	YU1ML			ALL	LO	-	27	27	23	621	
210	SQ3PMX			ALL	LO	-	32	32	19	608	SQ3PMX
211	RA3DQP			ALL	LO	-	32	32	19	608	
212	DL1OJ	A		ALL	LO	-	30	30	20	600	DL1OJ
213	HB9GKM			ALL	LO	-	27	27	22	594	HB9GKM
214	IK2IKW			ALL	LO	-	27	27	21	567	IK2IKW
215	ON6VOX			ALL	LO	-	28	28	20	560	
216	G4PVM	A		ALL	LO	-	27	27	20	540	G4PVM
217	RM7C			ALL	LO	-	28	28	19	532	
218	G0ATG			ALL	LO	-	28	28	19	532	G0ATG
219	IZ3ZOH			ALL	LO	-	26	26	20	520	IZ3ZOH
220	ON3ND			ALL	LO	-	28	28	18	504	
221	SP3BBS	A		ALL	LO	-	28	28	18	504	SP3BBS
222	PA7TG			ALL	LO	-	25	25	20	500	
223	PA3HCC	A		ALL	LO	-	29	29	17	493	PA3HCC
224	OE9SEV	A		ALL	LO	-	28	28	17	476	OE9SEV
225	IK0UGC			ALL	LO	-	28	28	17	476	
226	SN3N			ALL	LO	-	26	26	18	468	SP3ATB
227	DL1MOS			ALL	LO	-	26	26	18	468	DL1MOS
228	YO8ERC			ALL	LO	-	26	26	18	468	
229	G8NVY			ALL	LO	-	28	28	16	448	G8NVY
230	PA8KW	A		ALL	LO	-	24	24	18	432	PA8KW
231	UW5EMC	A		ALL	LO	-	25	25	17	425	UW5EMC
232	DM7CW			ALL	LO	-	25	25	17	425	
233	M0YDK	A		ALL	LO	-	26	26	16	416	M0YDK
234	HA3FHH			ALL	LO	-	20	20	20	400	HA3FHH
235	YO4FZX			ALL	LO	-	22	22	18	396	YO4FZX
236	YO9HG			ALL	LO	-	22	22	18	396	YO9HG
237	DL4NHP			ALL	LO	-	23	23	17	391	DL4NHP
238	F4IYJ	A		ALL	LO	-	24	24	16	384	
239	DL8MEF			ALL	LO	-	21	21	18	378	
240	SQ9S	A		ALL	LO	-	24	24	15	360	
241	SP2TQQ			ALL	LO	-	24	24	15	360	SP2TQQ
242	RG1A			ALL	LO	-	21	21	17	357	RYEV NDER
243	SP5BN	A		ALL	LO	-	23	23	15	345	SP5BN
244	SP3LM			ALL	LO	-	23	23	14	322	SP3LM
245	DL7FUA			ALL	LO	-	23	23	14	322	
246	SQ3R	A		ALL	LO	-	19	19	16	304	SQ3HMM
247	M7SNG			ALL	LO	-	19	19	16	304	M7SNG
248	SQ6ILH			ALL	LO	-	19	19	15	285	SQ6ILH
249	EI9ES			ALL	LO	-	19	19	15	285	EI9ES
250	DO3MNA	A		ALL	LO	-	19	19	15	285	
251	PA3DBS			ALL	LO	-	20	20	14	280	PA3DBS
252	F4IDD	A		ALL	LO	-	23	23	12	276	F4IDD
253	IU7EDX	A		ALL	LO	-	19	19	14	266	

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
254	LZ1KZ			ALL	LO	-	17	17	15	255	LZ1KZ
255	EI5IMB	A		ALL	LO	-	19	19	13	247	
256	PD0YL			ALL	LO	-	18	18	13	234	
257	ON5ZZ	A	SO2R	ALL	LO	-	19	19	12	228	ON5ZZ
258	IV3IDP			ALL	LO	-	17	17	13	221	
259	EB3AKL	A		ALL	LO	-	14	14	14	196	
260	ON3AT	A		ALL	LO	-	14	14	13	182	ON3AT
261	SQ5SUL			ALL	LO	-	16	16	11	176	
262	SP2R	A		ALL	LO	-	14	14	12	168	SP2R
263	GM4UYZ	A		ALL	LO	-	14	14	12	168	
264	DK3RN			ALL	LO	-	14	14	12	168	
265	2E0JQB			ALL	LO	-	14	14	11	154	
266	DL0GEL	A		ALL	LO	-	14	14	10	140	DL0GEL
267	SP9DLS			ALL	LO	-	14	14	9	126	SP9DLS
268	G6MXL			ALL	LO	-	11	11	11	121	
269	HB9HEI			ALL	LO	-	13	13	9	117	HB9HEI
270	OM6AMP			ALL	LO	-	12	12	9	108	OM6AMP
271	SQ7BTY			ALL	LO	-	11	11	9	99	SQ7BTY
272	SQ3TGN	A		ALL	LO	-	12	12	8	96	SQ3TGN
273	EB7A	A	SO2R	ALL	LO	-	10	10	9	90	
274	UA1ABJ			ALL	LO	-	10	10	7	70	UA1ABJ
275	UA6ADC			ALL	LO	-	9	9	7	63	UA6ADC
276	IU3EDK			ALL	LO	-	7	7	6	42	
277	DO1PE			ALL	LO	-	6	6	6	36	DO1PE
278	DL4HCF/P			ALL	LO	-	6	6	5	30	DL4HCF
279	DC4KJS	A		ALL	LO	-	6	6	5	30	
280	RN1AO			ALL	LO	-	7	7	4	28	RN1AO
281	DO1HGS	A		ALL	LO	-	7	7	4	28	
282	IT9HNQ	A		ALL	LO	-	4	4	4	16	
283	DO5LE			ALL	LO	-	4	4	4	16	DO5LE
284	EI8KW			ALL	LO	-	2	2	2	4	EI8KW
285	DO1TOM			ALL	LO	-	1	1	1	1	DO1TOM
286	EA5/SM3MHZ			ALL	LO	-	1	1	1	1	EA5/SM3MHZ
287	C31LK			ALL	LO	-	1	1	1	1	C31LK

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	LZ1DM			ALL	QRP	-	170	170	73	12.410	LZ1DM
2	IZ4AIF			ALL	QRP	-	131	131	73	9.563	
3	R4DI			ALL	QRP	-	121	121	67	8.107	
4	F6HHR			ALL	QRP	-	102	102	57	5.814	
5	PC2F	A		ALL	QRP	-	96	96	49	4.704	PC2F
6	IZ6JPK			ALL	QRP	-	94	94	49	4.606	
7	YO4AAC			ALL	QRP	-	95	95	41	3.895	YO4AAC
8	YU5VUK			ALL	QRP	-	81	81	47	3.807	
9	PA0AWH			ALL	QRP	-	75	75	49	3.675	
10	HA1TI			ALL	QRP	-	67	67	44	2.948	HA1TI
11	YL3AD			ALL	QRP	-	72	72	33	2.376	YL3AD
12	YT3NB			ALL	QRP	-	63	63	37	2.331	

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
13	PE2K	A		ALL	QRP	-	68	68	33	2.244	PE2K
14	HA5PA	A		ALL	QRP	-	66	66	32	2.112	HA5PA
15	DL1DXA	A		ALL	QRP	-	69	69	28	1.932	
16	RW3AI			ALL	QRP	-	47	47	29	1.363	
17	SY1AEA			ALL	QRP	-	44	44	29	1.276	
18	EC4AA			ALL	QRP	-	44	44	28	1.232	EC4AA
19	M0XLT			ALL	QRP	-	38	38	26	988	M0XLT
20	IU2HEE			ALL	QRP	-	32	32	21	672	
21	EA4HIH			ALL	QRP	-	32	32	19	608	EA4HIH
22	PA5DX			ALL	QRP	-	29	29	16	464	PA5DX
23	UX3IT			ALL	QRP	-	20	20	17	340	UX3IT
24	IK3XTY			ALL	QRP	-	21	21	15	315	
25	EA3GYE			ALL	QRP	-	18	18	14	252	EA3GYE
26	DK6YA			ALL	QRP	-	18	18	11	198	
27	DB7KK			ALL	QRP	-	10	10	6	60	
28	ON6EB			ALL	QRP	-	4	4	4	16	ON6EB

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	S51CK	A		LO-B	HI	-	240	240	72	17.280	
2	LY2MM	A		LO-B	HI	-	157	157	63	9.891	LY2MM
3	SP3J	A		LO-B	HI	-	132	132	55	7.260	
4	M0MCV			LO-B	HI	-	115	115	56	6.440	M0MCV
5	YL3GAZ	A		LO-B	HI	-	104	104	52	5.408	YL3GAZ
6	SP7O	A		LO-B	HI	-	122	122	36	4.392	SP7O
7	EM30EUARL			LO-B	HI	-	60	60	41	2.460	UT5ECZ
8	SP2GOW	A		LO-B	HI	-	63	63	39	2.457	SP2GOW
9	SP5DRE			LO-B	HI	-	78	78	31	2.418	
10	UT4EK			LO-B	HI	-	52	52	30	1.560	UT4EK
11	SQ5EXM			LO-B	HI	-	38	38	25	950	SQ5EXM
12	LY2CX			LO-B	HI	-	11	11	11	121	LY2CX
13	ES8SX			LO-B	HI	-	5	5	5	25	

EU Multi Operator SSB											
#	Call	Class	Band	PWR	QSO	Point	Mult	Score	Operators		
1	IQ0HV	MULTI-ONE	ALL	HI	281	281	107	30.067	I0KNQ IK0RPV IW0DJC		
2	HB9BC	MULTI-ONE	ALL	HI	242	242	89	21.538	HB9GNZ HB9GHC LA0FD HB9GYY HB9GYW HB9HBS HB9HDD HB9TPU HB9GYF		
3	RK4HYT	MULTI-ONE	ALL	HI	200	200	92	18.400	A Y		
4	UW6U	MULTI-ONE	ALL	HI	175	175	82	14.350	UT2UM UX3UU UT3UHA UT2UZ		
5	MS0FNR	MULTI-ONE	ALL	HI	163	163	72	11.736	MS0FNR		
6	OE1XA	MULTI-ONE	ALL	HI	110	110	57	6.270	OE1EPU OE1LZS OE1MIV OE1RHC		
7	OK1KKI	MULTI-ONE	ALL	HI	86	86	43	3.698	OK1KKI		
8	HB9EP	MULTI-ONE	ALL	HI	48	48	26	1.248	HB9GZP HB9DOS HB9GFT		

**Checklogs** 9A3GX, DH4PSG, DK3GG, DL7VFM, DM1AR/P, E77EA, EC1DJ, EI6KW, ES2RR, G8DQP, I12PHIL, IT9UFP, IV3IPS, IW1FRU, LX1LC, LY4T, LZ1QN, M6EAM, PA0WBP, PD4BER/P, PD4V, RM2D, RZ2D, S5230WW, S53TM, SN2S, SP3QFZ, SP9MDY, SV2SIF, SV9FBG, TM4T, UR4MS, UY3AW, YT3D

# North America

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	VA2WA	A	SO2R	ALL	HI	-	366	702	112	78.624	VA2WA
2	W1KM	A		ALL	HI	-	356	698	111	77.478	W1KM
3	AA2A	A		ALL	HI	-	312	582	107	62.274	N2KW
4	VE3NNT	A		ALL	HI	-	296	532	102	54.264	VE3NNT
5	K2ZW			ALL	HI	-	253	483	92	44.436	JOIRUR
6	N4RV	A		ALL	HI	-	240	456	86	39.216	N4RV
7	N4AF	A		ALL	HI	-	222	372	92	34.224	N4AF
8	K3ZO			ALL	HI	-	213	399	79	31.521	
9	K3WW	A		ALL	HI	-	209	367	80	29.360	K3WW
10	N6AR			ALL	HI	-	196	320	82	26.240	N6AR
11	WX4G			ALL	HI	-	166	278	71	19.738	WX4G
12	NP2X	A		ALL	HI	-	137	225	83	18.675	K9VV
13	VE3EJ	A		ALL	HI	-	139	249	71	17.679	VE3EJ
14	K5KG	A		ALL	HI	-	155	249	69	17.181	K5KG
15	K1ZZ	A		ALL	HI	-	124	250	67	16.750	K1ZZ
16	N4BP	A		ALL	HI	-	170	254	61	15.494	N4BP
17	N2QV	A	SO2R	ALL	HI	-	97	239	64	15.296	N2QV
18	N9NC	A		ALL	HI	-	128	222	66	14.652	N9NC
19	KG4W	A		ALL	HI	-	119	245	58	14.210	KG4W
20	K2QMF	A		ALL	HI	-	133	217	59	12.803	K2QMF
21	VE1RSM	A		ALL	HI	-	136	214	59	12.626	VE1RSM
22	K3UL			ALL	HI	-	121	193	57	11.001	K3UL
23	W1GD	A		ALL	HI	-	102	182	59	10.738	W1GD
24	K1GQ	A		ALL	HI	-	97	153	57	8.721	
25	AE2W	A	SO2R	ALL	HI	-	79	145	55	7.975	
26	N5AW	A	SO2R	ALL	HI	-	105	159	50	7.950	N5AW
27	W4PM	A		ALL	HI	-	83	141	45	6.345	W4PM
28	K4RUM	A		ALL	HI	-	94	142	44	6.248	K4RUM
29	N9EN	A		ALL	HI	-	107	135	46	6.210	N9EN
30	K8IA	A		ALL	HI	-	87	127	40	5.080	K8IA
31	WJ2D	A		ALL	HI	-	107	123	41	5.043	WJ2D
32	VA2EBI	A		ALL	HI	-	126	126	39	4.914	VA2EBI
33	N5ZO	A		ALL	HI	-	60	132	37	4.884	N5ZO
34	N6ZFO			ALL	HI	-	60	148	32	4.736	N6ZFO
35	K3IE	A		ALL	HI	-	115	129	36	4.644	K3IE
36	VE9CB	A		ALL	HI	-	62	106	41	4.346	VE9CB
37	W2CDO	A		ALL	HI	-	79	111	39	4.329	W2CDO
38	WO4O	A		ALL	HI	-	103	103	36	3.708	WO4O
39	K5ZD			ALL	HI	-	49	97	38	3.686	K5ZD
40	K7GK	A		ALL	HI	-	57	101	33	3.333	K7GK
41	W5GN	A		ALL	HI	-	75	87	32	2.784	W5GN
42	AJ1AJ	A		ALL	HI	-	49	83	33	2.739	AJ1AJ
43	VE1ANU			ALL	HI	-	44	80	34	2.720	VE1ANU
44	K7WP	A		ALL	HI	-	46	88	29	2.552	K7WP
45	N9NA	A		ALL	HI	-	45	85	30	2.550	N9NA
46	K1TH	A		ALL	HI	-	38	80	30	2.400	K1TH
47	VE2FK	A		ALL	HI	-	76	76	26	1.976	VE2FK

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
48	KI6RRN	A		ALL	HI	-	36	108	18	1.944	@WA6TQT
49	N4ZR	A		ALL	HI	-	49	51	31	1.581	N4ZR
50	VE3FJ			ALL	HI	-	54	54	25	1.350	VE3FJ
51	N8BJQ	A		ALL	HI	-	48	48	27	1.296	N8BJQ
52	NG0T	A		ALL	HI	-	27	53	23	1.219	NG0T
53	VE9OA	A		ALL	HI	-	36	48	25	1.200	VE9OA
54	W6YA			ALL	HI	-	45	45	24	1.080	W6YA
55	VE5MX	A		ALL	HI	-	40	40	26	1.040	VE5MX
56	K4WW	A		ALL	HI	-	43	43	22	946	K4WW
57	AC7JW			ALL	HI	-	26	60	15	900	AC7JW
58	K0VXU			ALL	HI	-	20	48	16	768	K0VXU
59	N2YO	A		ALL	HI	-	21	63	11	693	N2YO
60	K3AU	A		ALL	HI	-	17	51	13	663	K2YWE
61	VA3TNM	A		ALL	HI	-	33	33	19	627	
62	K4BAI			ALL	HI	-	23	29	20	580	K4BAI
63	W4NZ			ALL	HI	-	29	29	17	493	W4NZ
64	K8LX			ALL	HI	-	18	34	14	476	K8LX
65	NT6X	A		ALL	HI	-	15	41	11	451	NT6X
66	W9ILY	A		ALL	HI	-	20	20	17	340	W9ILY
67	N4QS	A		ALL	HI	-	21	21	16	336	N4QS
68	N2JJ			ALL	HI	-	14	22	13	286	N2JJ
69	AI4WW			ALL	HI	-	18	20	12	240	AI4WW
70	K5CKS	A		ALL	HI	-	17	17	14	238	K5CKS
71	AC6ZM	A		ALL	HI	-	8	18	8	144	AC6ZM
72	KE4S	A		ALL	HI	-	14	14	10	140	KE4S
73	K7RB	A		ALL	HI	-	10	14	10	140	K7RB
74	AB1KT			ALL	HI	-	12	12	10	120	AB1KT
75	WA6URY			ALL	HI	-	7	17	5	85	WA6URY
76	K5LY	A		ALL	HI	-	8	8	6	48	K5LY
77	WH6LE			ALL	HI	-	6	6	6	36	WH6LE
78	N8FTB	A		ALL	HI	-	6	8	4	32	N8FTB
79	N5KO			ALL	HI	-	5	5	5	25	N5KO
80	KC7V	A		ALL	HI	-	3	3	1	3	KC7V

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	N3UA	A		ALL	LO	-	113	131	45	5.895	N3UA
2	W1ARY	A		ALL	LO	-	79	133	44	5.852	W1ARY
3	N7ZZ			ALL	LO	-	71	111	33	3.663	N7ZZ
4	VE3TM			ALL	LO	-	77	91	34	3.094	VE3TM
5	K0EA			ALL	LO	-	79	87	34	2.958	K0EA
6	VE3VN			ALL	LO	-	49	69	27	1.863	VE3VN
7	K9NW	A		ALL	LO	-	27	73	19	1.387	K9NW
8	N3CKI	A		ALL	LO	-	38	42	25	1.050	N3CKI
9	AI6O	A		ALL	LO	-	30	36	21	756	AI6O
10	NJ4Q	A		ALL	LO	-	20	30	19	570	NJ4Q
11	WA8MDC			ALL	LO	-	17	41	13	533	WA8MDC
12	W3IQ	A		ALL	LO	-	23	23	17	391	W3IQ
13	K2NV/2			ALL	LO	-	17	25	15	375	K2NV/2

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
14	AC5XK	A		ALL	LO	-	16	22	14	308	
15	NK4O	A		ALL	LO	-	21	21	14	294	
16	W2YK	A		ALL	LO	-	10	30	8	240	W2YK
17	K4MQM	A		ALL	LO	-	16	16	12	192	K4MQM
18	KI2D	A		ALL	LO	-	13	17	11	187	KI2D
19	N4NTO			ALL	LO	-	10	16	10	160	N4NTO
20	HI8A			ALL	LO	-	8	18	8	144	HI8A
21	KN4YRM			ALL	LO	-	5	15	5	75	KN4YRM
22	N7VS			ALL	LO	-	6	18	4	72	N7VS
23	KB4CG			ALL	LO	-	5	15	4	60	KB4CG
24	NQ4K			ALL	LO	-	6	6	6	36	NQ4K
25	W3WHK			ALL	LO	-	2	6	2	12	W3WHK
26	KP2/KJ0D			ALL	LO	-	2	6	2	12	KJ0D
27	K4VBM	A		ALL	LO	-	2	2	2	4	K4VBM
28	WT8P			ALL	LO	-	2	2	1	2	WT8P
29	W7LG			ALL	LO	-	1	1	1	1	W7LG
30	VA3FN			ALL	LO	-	1	1	1	1	VA3FN
31	WQ6X			ALL	LO	-	0	0	0	0	WQ6X

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	K3TW	A		ALL	QRP	-	27	31	18	558	K3TW
2	K8ZT	A		ALL	QRP	-	12	12	11	132	K8ZT

Single Operator CW											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	K1LZ	A		LO-B	HI	-	93	279	51	14.229	K1LZ
2	K6NA			LO-B	HI	-	56	168	22	3.696	K6NA
3	W3AKD			LO-B	HI	-	40	120	29	3.480	W3AKD
4	WB2AA	A		LO-B	HI	-	6	18	5	90	WB2AA

### Multi Operator CW

#	Call	Class	Band	PWR	QSO	Point	Mult	Score	Operators
1	WB9Z	MULTI-ONE	ALL	HI	167	307	77	23.639	NV9L WB9Z
2	W4RN	MULTI-ONE	ALL	HI	153	273	65	17.745	W4RN KU1CW
3	VE9ML	MULTI-ONE	ALL	HI	83	225	53	11.925	VE9ML VE9BK
4	N1SOH	MULTI-ONE	ALL	HI	28	42	24	1.008	N1SOH W1FM

### Checklogs

AA7G, KM5G, N1RR, W6TED, WA2ZDM

## North America SSB

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	N9NC	A	SO2R	ALL	HI	-	203	263	90	23.670	N9NC
2	K3ZO			ALL	HI	-	183	249	86	21.414	

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
3	K1AR	A		ALL	HI	-	158	180	71	12.780	
4	WX4G			ALL	HI	-	157	179	69	12.351	WX4G
5	N4RV	A		ALL	HI	-	127	147	69	10.143	N4RV
6	KZ2I	A		ALL	HI	-	133	145	62	8.990	KZ2I
7	K5ZD	A		ALL	HI	-	71	99	53	5.247	K5ZD
8	VE9MWA	A		ALL	HI	-	85	85	47	3.995	VE9MWA
9	K9NW	A		ALL	HI	-	65	65	40	2.600	K9NW
10	VA3CQG			ALL	HI	-	62	62	37	2.294	
11	VE3BFU			ALL	HI	-	59	59	37	2.183	VE3BFU
12	N2RC	A		ALL	HI	-	55	55	37	2.035	N2RC
13	KG4USN	A		ALL	HI	-	39	45	35	1.575	KG4USN
14	K6NA	A		ALL	HI	-	35	51	30	1.530	K6NA
15	AD2BO			ALL	HI	-	43	45	34	1.530	AD2BO
16	VA6MA			ALL	HI	-	43	47	28	1.316	VA6MA
17	KA8Q			ALL	HI	-	42	48	27	1.296	KA8Q
18	AD4EB	A		ALL	HI	-	44	44	29	1.276	AD4EB
19	K7GK	A		ALL	HI	-	29	55	23	1.265	K7GK
20	KF7RO	A		ALL	HI	-	37	37	29	1.073	KF7RO
21	N4QS	A		ALL	HI	-	32	32	21	672	N4QS
22	W6AFA			ALL	HI	-	26	30	20	600	
23	K1BIF			ALL	HI	-	21	23	20	460	K1BIF
24	W1GXZ			ALL	HI	-	20	24	16	384	E. ELL
25	N2NKX	A		ALL	HI	-	9	9	9	81	N2NKX
26	K4SBZ	A		ALL	HI	-	8	8	8	64	K4SBZ
27	W2KU	A		ALL	HI	-	4	4	4	16	W2KU
28	WF8D			ALL	HI	-	2	2	2	4	WF8D
29	KG5IPA			ALL	HI	-	1	1	1	1	KG5IPA

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	N7ZZ			ALL	LO	-	69	69	45	3.105	N7ZZ
2	AC4G			ALL	LO	-	73	73	42	3.066	AC4G
3	VE3TM			ALL	LO	-	68	68	45	3.060	VE3TM
4	VY2GF	A		ALL	LO	-	69	69	40	2.760	
5	K0EA	A		ALL	LO	-	64	64	41	2.624	K0EA
6	K7SV			ALL	LO	-	52	58	35	2.030	K7SV
7	NW1Q			ALL	LO	-	48	48	33	1.584	
8	KC9JML	A		ALL	LO	-	42	42	34	1.428	KC9JML
9	N2OMD			ALL	LO	-	44	44	31	1.364	
10	KB4CG			ALL	LO	-	35	35	24	840	KB4CG
11	AB1F			ALL	LO	-	33	33	25	825	AB1F
12	N1WRK			ALL	LO	-	23	23	21	483	N1WRK
13	KB1VUN			ALL	LO	-	23	25	17	425	KB1VUN
14	VA2YZX			ALL	LO	-	18	18	14	252	
15	WD4FMG	A		ALL	LO	-	15	15	14	210	WD4FMG
16	W0COE			ALL	LO	-	15	15	11	165	W0COE
17	W9TCV	A		ALL	LO	-	13	13	12	156	W9TCV
18	KB0UPC			ALL	LO	-	12	12	12	144	KB0UPC
19	WF8C			ALL	LO	-	8	8	8	64	WF8C



Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
20	KA4FVE	A		ALL	LO	-	7	7	7	49	KA4FVE
21	N7ZTR	A	SO2R	ALL	LO	-	5	7	5	35	N7ZTR
22	K4QR	A		ALL	LO	-	5	5	5	25	K4QR
23	W4CMG	A		ALL	LO	-	4	4	4	16	W4CMG
24	WB8WUA			ALL	LO	-	3	3	3	9	
25	W2CLA			ALL	LO	-	2	2	2	4	W2CLA
26	KB7AK			ALL	LO	-	1	1	1	1	KB7AK

Single Operator SSB											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	K3TW			ALL	QRP	-	10	10	8	80	K3TW

### Multi Operator SSB

#	CALL	CLASS	BAND	PWR	QSO	POINTS	MULT.	SCORE	OPERATORS
1	NV9L	MULTI-ONE	ALL	HI	122	148	69	10.212	NV9L WB9Z
2	N1SOH	MULTI-ONE	ALL	HI	18	18	14	252	N1SOH W1FM

Checklogs WA4AH

## South America

### Single Operator CW

#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	PY5AMF	A		ALL	HI	-	190	260	82	21.320	PY5AMF
2	PV2K	A		ALL	HI	-	147	197	78	15.366	PY2KNK
3	PY1VOY	A		ALL	HI	-	150	210	71	14.910	PY1VOY
4	PY5FB	A		ALL	HI	-	156	182	68	12.376	PY5FB
5	CX2BR	A		ALL	HI	-	24	54	21	1.134	CX2BR
6	PY7XC	A		ALL	HI	-	28	28	20	560	PY7XC
7	L33M	A		ALL	HI	-	9	11	8	88	LU3MAM

### Single Operator CW

#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	PY2KC	A		ALL	LO	-	144	166	65	10.790	PY2KC
2	PY3TD			ALL	LO	-	59	59	37	2.183	PY3TD
3	HK5NLJ/3			ALL	LO	-	26	48	22	1.056	HK5NLJ/3
4	PY4ARS			ALL	LO	-	19	25	17	425	
5	PY2UDB	A		ALL	LO	-	19	19	12	228	PY2UDB
6	YV4ABR	A		ALL	LO	-	12	20	11	220	YV4ABR
7	PY4XX	A		ALL	LO	-	8	24	8	192	PY4XX
8	PT9DX	A		ALL	LO	-	14	14	13	182	PT9DX

Checklogs CX7CO, PY1NP, PY7OJ

## South America SSB

### Single Operator SSB

#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	PY5QW	A		ALL	HI	-	274	384	92	35.328	PY5QW
2	PY2ZEA	A		ALL	HI	-	221	275	74	20.350	OH2MM
3	PV2K	A		ALL	HI	-	217	241	84	20.244	PY2KNK
4	PY5AMF	A		ALL	HI	-	149	187	61	11.407	PY5AMF
5	PJ4DX	A		ALL	HI	-	125	147	67	9.849	PJ4DX

### Single Operator SSB

#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	PT7ZT	A		ALL	LO	-	57	59	32	1.888	PT7ZT
2	PV8AAS	A		ALL	LO	-	26	26	20	520	PV8AAS
3	PY2CP	A		ALL	LO	-	24	24	16	384	PY2CP
4	PY3TD			ALL	LO	-	20	20	18	360	PY3TD
5	PY2EBD			ALL	LO	-	21	21	17	357	PY2EBD
6	PP2CS	A		ALL	LO	-	8	10	8	80	PP2CS
7	OA4DKN	A		ALL	LO	-	5	15	5	75	OA4DKN
8	PY1EZ			ALL	LO	-	7	7	7	49	PY1EZ
9	PY2YVN			ALL	LO	-	4	12	4	48	PY2YVN
10	PY2AD			ALL	LO	-	1	1	1	1	PY2AD

### Single Operator SSB

#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	PY2BN			ALL	QRP	-	5	5	5	25	PY2BN

### Multi Operator SSB

#	Call	Class	Band	PWR	QSO	Point	Mult	Score	Operators
1	CE2LS	MULTI-ONE	ALL	HI	39	63	29	1.827	CE2RTF CE2SQE

## Oceania

### Single Operator CW

#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	ZL2AGY			ALL	HI	-	76	156	38	5.928	
2	ZL1IF	A		ALL	HI	-	40	100	29	2.900	ZL1IF
3	WH7T			ALL	HI	-	60	90	32	2.880	WH7W
4	VK2GR			ALL	HI	-	51	63	28	1.764	VK2GR
5	ZL2AYZ			ALL	HI	-	23	51	16	816	ZL2AYZ
6	VK2OXZ	A		ALL	HI	-	37	37	19	703	VK2OXZ
7	YB2IQ	A		ALL	HI	-	29	35	19	665	YB2IQ
8	VK2PN			ALL	HI	-	31	33	17	561	VK2PN
9	VK7BO			ALL	HI	-	13	19	13	247	
10	VK3GK	A		ALL	HI	-	4	4	3	12	VK3GK
1	YB4HQ	A		ALL	LO	-	69	115	39	4.485	YB4HQ
2	YB2MM			ALL	LO	-	65	89	34	3.026	YB2MM
3	YB9UA			ALL	LO	-	36	54	21	1.134	YB9UA
4	YD2UWF	A		ALL	LO	-	14	42	9	378	YD2UWF
5	YB1UUN	A		ALL	LO	-	25	25	15	375	YB1UUN
6	YB9GDP			ALL	LO	-	9	13	9	117	YB9GDP

#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
7	VK4TT			ALL	LO	-	4	4	4	16	VK4TT
8	YC9FAR			ALL	LO	-	2	4	2	8	YC9FAR
9	YB1MIG	A		ALL	LO	-	2	4	2	8	YB1MIG
1	ZL3P	A		LO-B	HI	-	34	102	20	2.040	ZL3PAH

## Oceania SSB

### Single Operator SSB

#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	VK2KS			ALL	HI	-	61	61	32	1.952	VK2KS
2	VK2CZ			ALL	HI	-	60	60	27	1.620	
3	VK3GK	A		ALL	HI	-	49	49	28	1.372	VK3GK
4	YB1DMK			ALL	HI	-	18	18	16	288	YB1DMK
5	FK4QX			ALL	HI	-	17	17	14	238	FK4QX
6	YC8DUL			ALL	HI	-	15	15	11	165	YC8DUL
7	YB3BLJ			ALL	HI	-	10	10	9	90	YB3BLJ

### Single Operator SSB

#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	4I1EBD			ALL	LO	-	79	79	44	3.476	4I1EBD
2	VK5PAS			ALL	LO	-	55	55	35	1.925	
3	DX4EVM			ALL	LO	-	46	46	31	1.426	DV4ZAR
4	YC3DOC			ALL	LO	-	45	45	22	990	YC3DOC
5	YB7WR			ALL	LO	-	19	19	16	304	YB7WR
6	DV1MM			ALL	LO	-	16	16	12	192	DV1MM
7	DV1DLX	A		ALL	LO	-	17	17	11	187	DV1DLX
8	YF3FBV			ALL	LO	-	11	11	8	88	YF3FBV
9	YB7OO			ALL	LO	-	9	9	9	81	YB7OO
10	YD2UWF	A		ALL	LO	-	8	10	8	80	YD2UWF
11	YC2XCD			ALL	LO	-	8	8	8	64	YC2XCD
12	DU1AVC			ALL	LO	-	6	6	5	30	DU1AVC
13	YB4NY			ALL	LO	-	5	5	5	25	YB4NY
14	DX2EVM			ALL	LO	-	2	2	2	4	DV2ATQ

#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	4I1EAY			ALL	QRP	-	3	3	3	9	4I1EAY

### Multi Operator SSB

#	Call	Class	Band	PWR	QSO	Point	Mult	Score	Operators
1	DV1IIW	MULTI-ONE	ALL	HI	47	49	27	1.323	DV1IIW 4G1LDC



# EI5KF

At the radiostation in Mitchelstown, Cork county.

Gerard is one of the very active contesters in Avondhu Radio Club EI1E. Radio is two Elecraft K3 for SO2R operation and two towers with beams plus 4-square for 80m and inverted L for 160m. Also there are more wireantennas on the site.



EI5KF Gerard at the operator desk.



The Shack-in-a-box including one of the beams.

<https://www.facebook.com/ei1e.ie/>

Lets meet again next year

[www.sactest.net](http://www.sactest.net)

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## Podium & Top-3



**NUMBER 1:** Niko, OH2GEK, 35, took the SAC 2021 SOAB CW honors as his 3rd straight win, both from OH2 and OH0. Niko belongs to the Brando Island Group, BIG, and its young wing, adding to the impressive group of operators and their history of some 40 year in Aland. Niko is automation engineer by trade and father of the family of two kids; Otso and lisa.



**NUMBER 2:** Niko, OH5CZ, 21, comes from seasoned multi-op group of Mustila, OH5Z also with 60+ year contesting history. For past 5 years Niko has picked up a lot and was now ready to try SAC SOAB for the first time as single op, and surprised all with his performance. Niko is engineering student, studying in the city of Mikkeli (OH4). He is also a chairperson of the Finnish YOTA movement.

**NUMBER 3:** Toivo, ES2RR/OH7RR, 57, is Estonian but belongs also to the OH gang because of his long history with Finns with whom he has scored world highs in Canary Islands, EA8ZS. He is integral part of ES9C gang and scored world silver with ES5TV in Moscow WRTC 2010. Toivo has worked for Finnish Nokia and is currently in charge of Nokia's operations in Estonia.



# SAC Linear Results 2021

## All Single Operator – CW Scandinavian

All Single Operator –CW Scandinavian											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	OH0T		SO2R	ALL	HI	-	2202	4.919	209	1.028.071	OH2GEK
2	OF5Z		SO2R	ALL	HI	-	2158	4.858	208	1.010.464	OH5CZ
3	OF2BH		SO2R	ALL	HI	-	2071	4.736	202	956.672	ES2RR
4	OH2PM	A		ALL	HI	-	1664	3.727	200	745.400	
5	OF1TX	A		ALL	HI	-	1495	3.279	211	691.869	OH6KZP
6	SE5E	A	SO2R	ALL	HI	-	1637	3.575	188	672.100	SM5AJV
7	OG4X			ALL	HI	-	1636	3.670	174	638.580	OH1MA
8	OG6N	A	SO2R	ALL	HI	-	1637	3.569	172	613.868	OH6NIO
9	OH8X			ALL	HI	-	1624	3.756	163	612.228	OH2MM
10	SM6M	A	SO2R	ALL	HI	-	1430	3.151	172	541.972	
11	OG7A	A		ALL	HI	-	1341	2.994	181	541.914	OH6MW
12	OF4X	A		ALL	HI	-	1497	3.299	163	537.737	OF4X
13	OH8WW	A		ALL	HI	-	1465	3.244	164	532.016	OH8WW
14	OF5TS	A		ALL	HI	-	1392	3.108	165	512.820	OH5TS
15	OF5LF	A		ALL	HI	-	1473	3.330	149	496.170	OH7WV
16	OF1D	A		ALL	HI	-	1252	2.829	169	478.101	OH1JD
17	OF2CV	A		ALL	HI	-	1297	2.870	154	441.980	OH2CV
18	OZ1IKY	A		ALL	HI	-	1294	2.893	152	439.736	
19	LA8OM		SO2R	ALL	HI	TB-WIRE	1483	3.244	134	434.696	LA8OM
20	OH6CT	A		ALL	HI	-	1303	2.875	151	434.125	OH6CT
21	OF3FM	A		ALL	HI	TB-WIRE	1301	2.808	142	398.736	OF3FM
22	OG3B			ALL	HI	TB-WIRE	1265	2.712	146	395.952	OH3RB
1	SM5IMO	A		ALL	LO	-	1245	2.706	144	389.664	SM5IMO
23	OH1CX			ALL	HI	-	1133	2.534	150	380.100	OH1CX
24	SB7S	A		ALL	HI	TB-WIRE	1185	2.579	136	350.744	SB7S
25	OV3X	A		ALL	HI	TB-WIRE	1115	2.396	145	347.420	OZ8AE
26	OZ8SW	A		ALL	HI	-	1040	2.298	143	328.614	
27	SM5EPO	A		ALL	HI	-	1063	2.361	138	325.818	SM5EPO
2	LA2AB			ALL	LO	-	1143	2.482	130	322.660	LA7MFA
28	OZ2TF			ALL	HI	-	1000	2.225	143	318.175	OZ2TF
29	OZ0B	A		ALL	HI	TB-WIRE	1015	2.199	144	316.656	OZ1ISY
3	OG4W	A		ALL	LO	-	1070	2.319	136	315.384	OH4KZM
4	SM5CSS			ALL	LO	-	1119	2.405	131	315.055	SM5CSS
30	LC5T	A		ALL	HI	WIRE	1131	2.420	122	295.240	LB5WB
31	OZ3SM			ALL	HI	TB-WIRE	1114	2.378	121	287.738	OZ3SM
32	OH6OS	A		ALL	HI	-	973	2.165	131	283.615	OH6OS
33	OH3Z			ALL	HI	-	905	1.997	141	281.577	OH1NX
34	LA7AK			ALL	HI	TB-WIRE	1137	2.367	117	276.939	LA7AK
5	SM6F	A		ALL	LO	TB-WIRE	918	2.009	137	275.233	SM6CUK
35	SE0X	A		ALL	HI	-	849	1.930	136	262.480	SM0MDG
36	OZ4UN			ALL	HI	-	955	2.026	126	255.276	OZ4UN
6	LB6GG			ALL	LO	WIRE	1011	2.179	117	254.943	
37	SD7W			ALL	HI	WIRE	1011	2.165	117	253.305	DL2SWW
7	SF5O	A		ALL	LO	WIRE	973	2.057	123	253.011	SM0EOS

## All Single Operator –CW Scandinavian

#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
38	OH2XX	A		ALL	HI	-	893	1.985	126	250.110	
39	OH1VR			ALL	HI	-	868	1.974	121	238.854	OH1VR
40	LA0CX	A		ALL	HI	-	891	1.950	119	232.050	LA0CX
41	SM3EVR			ALL	HI	-	819	1.809	127	229.743	SM3EVR
42	SF1Z	A		ALL	HI	TB-WIRE	882	1.861	119	221.459	SM0HEV
1	OH0V	A	SO2R	ALL	QRP	-	801	1.742	126	219.492	OH6LI
43	OH7KBF	A		ALL	HI	-	924	1.977	108	213.516	OH7KBF
44	OH2OA			ALL	HI	-	877	1.879	110	206.690	OH2BLV
45	LA7GIA			ALL	HI	-	855	1.869	110	205.590	LA7GIA
46	SM6EAN			ALL	HI	-	894	1.903	107	203.621	SM6EAN
47	SD6M			ALL	HI	-	912	1.973	103	203.219	SA6BGR
48	SC6N		SO2R	ALL	HI	-	743	1.638	124	203.112	
49	SM2EZT	A		ALL	HI	-	777	1.680	119	199.920	SM2EZT
8	OZ4O	A		ALL	LO	-	803	1.723	116	199.868	OZ4O
9	SD6F	A	SO2R	ALL	LO	TB-WIRE	849	1.796	110	197.560	SM6JWR
10	OZ1AAR			ALL	LO	-	800	1.710	114	194.940	OZ1AAR
50	OF5YU			ALL	HI	-	818	1.748	109	190.532	OH5YU
51	SM0HRP		SO2R	ALL	HI	-	811	1.777	107	190.139	SM0HRP
52	LA5UF			ALL	HI	-	730	1.602	114	182.628	LA5UF
1	OH7K	A		20M	HI	-	1094	2.592	69	178.848	OH7CW
11	SE4E	A		ALL	LO	WIRE	795	1.685	104	175.240	SM4DQE
53	OZ2U	A		ALL	HI	-	754	1.610	107	172.270	
54	SM5GLC			ALL	HI	TB-WIRE	642	1.431	116	165.996	SM5GLC
55	OU4N	A		ALL	HI	-	703	1.561	105	163.905	OU4N
56	OH5KW	A		ALL	HI	-	661	1.443	113	163.059	OH5KW
57	OH2KI			ALL	HI	-	678	1.452	112	162.624	
2	SM9X	A		ALL	QRP	TB-WIRE	690	1.452	109	158.268	SM0OEK
58	SJ3A	A		ALL	HI	-	682	1.467	105	154.035	SM3OMO
12	SM6FPC	A		ALL	LO	-	626	1.352	113	152.776	SM6FPC
59	SM5CCE			ALL	HI	-	681	1.493	102	152.286	
13	OZ/DF4ZL	A		ALL	LO	WIRE	734	1.526	98	149.548	DF4ZL
2	OF8L			20M	HI	-	966	2.333	64	149.312	OH8LQ
60	LC0C			ALL	HI	-	636	1.467	96	140.832	LA3MHA
14	OH3GGQ	A		ALL	LO	-	682	1.436	98	140.728	OH3GGQ
61	OX3LX	A		ALL	HI	-	559	1.395	99	138.105	OX3LX
62	SG0M			ALL	HI	-	575	1.210	111	134.310	SA0AQT
63	SM0FPR	A		ALL	HI	WIRE	683	1.452	92	133.584	SM0FPR
1	OH7N			40M	HI	-	974	2.169	61	132.309	OH2KW
15	SM5DXR			ALL	LO	-	680	1.437	92	132.204	SM5DXR
64	OF4BCS			ALL	HI	-	565	1.220	106	129.320	OH1ZAA
16	SM5ACQ			ALL	LO	-	682	1.434	89	127.626	SM5ACQ
17	SF6W			ALL	LO	WIRE	664	1.398	91	127.218	SM6EWB
65	OH3JR			ALL	HI	-	585	1.263	99	125.037	
66	OH2BO	A		ALL	HI	-	497	1.087	114	123.918	OH2BO
18	SM7FDO			ALL	LO	-	604	1.271	96	122.016	SM7FDO
67	SM6E	A	SO2R	ALL	HI	-	570	1.254	95	119.130	SM6FUD
19	SM5COP			ALL	LO	-	603	1.310	90	117.900	SM5COP
20	OZ7BQ			ALL	LO	-	616	1.293	91	117.663	OZ7BQ
21	SM5S	A		ALL	LO	WIRE	540	1.147	92	105.524	SM5SIC

## All Single Operator –CW Scandinavian

#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
22	OZ6SYL			ALL	LO	-	569	1.189	87	103.443	DL3KWR
23	SF0A	A		ALL	LO	TB-WIRE	569	1.197	86	102.942	SM0LPO
68	OY1CT	A		ALL	HI	-	695	1.468	70	102.760	OY1CT
69	SM0S			ALL	HI	-	664	1.417	71	100.607	
24	OH3NAQ	A		ALL	LO	WIRE	557	1.165	84	97.860	OH3NAQ
25	SK5AA	A		ALL	LO	-	531	1.129	85	95.965	SM5KRI
70	OH2BA			ALL	HI	-	552	1.212	79	95.748	JK3GAD
26	SF5X	A		ALL	LO	-	509	1.088	86	93.568	SM5EFX
27	SI6T	A		ALL	LO	WIRE	538	1.139	82	93.398	SM6LZQ
2	OZ2A			40M	HI	-	820	1.720	54	92.880	OZ2A
28	LA5LJA	A		ALL	LO	TB-WIRE	605	1.287	72	92.664	LA5LJA
29	OZ1IIVA	A		ALL	LO	WIRE	541	1.119	82	91.758	OZ1IIVA
3	OG5O	A		20M	HI	-	628	1.444	62	89.528	OG55W
30	SF7M			ALL	LO	WIRE	538	1.122	77	86.394	SM7DUZ
31	SM3EAE	A		ALL	LO	-	561	1.194	71	84.774	SM3EAE
4	OH2BKK	A		20M	HI	-	603	1.392	59	82.128	OH2BKK
32	SE6U			ALL	LO	-	419	910	90	81.900	SE6U
5	OH7R			20M	HI	-	697	1.605	51	81.855	
33	SM6EAT	A		ALL	LO	TB-WIRE	462	1.010	81	81.810	SM6EAT
71	SE5B			ALL	HI	WIRE	426	930	85	79.050	SE5B
72	OH6XA	A		ALL	HI	TB-WIRE	430	963	81	78.003	OH6XA
6	OG2X	A		20M	HI	-	598	1.337	58	77.546	OH2RM
34	SM5CIL			ALL	LO	TB-WIRE	428	944	82	77.408	SM7CIL
35	SM6OEF			ALL	LO	-	485	1.003	77	77.231	
36	LA2HFA			ALL	LO	-	467	976	79	77.104	LA2HFA
73	OH6BA	A		ALL	HI	WIRE	445	939	82	76.998	OH6BA
37	SM0Q	A		ALL	LO	TB-WIRE	464	975	77	75.075	SM0Q
7	LA9OI			20M	HI	-	621	1.337	53	70.861	LA9OI
74	OH6RE	A		ALL	HI	-	452	968	72	69.696	OH6RE
75	OF8CW			ALL	HI	WIRE	429	901	77	69.377	OH8CW
38	SM6IQD	A		ALL	LO	-	341	736	86	63.296	SM6IQD
39	SM6NT			ALL	LO	-	424	905	67	60.635	SM6NT
76	SE0B			ALL	HI	-	362	809	71	57.439	SE0B
40	OG4T	A		ALL	LO	-	366	757	73	55.261	OH4MFA
41	OH8WR			ALL	LO	-	383	820	66	54.120	OH8WR
42	SM5MX	A		ALL	LO	WIRE	374	769	70	53.830	SM5MX
3	OG3X	A		ALL	QRP	TB-WIRE	287	632	85	53.720	OH3KRH
3	SD1A			40M	HI	-	584	1.197	43	51.471	SM1TDE
1	7S1DX	A		80M	HI	-	557	1.167	43	50.181	SM0DSG
43	OH2CI			ALL	LO	WIRE	342	715	69	49.335	OH2CI
44	LC4C			ALL	LO	WIRE	319	674	67	45.158	LA5FBA
45	OH5XO			ALL	LO	-	308	665	66	43.890	OH5XO
77	OH3WS			ALL	HI	-	319	672	65	43.680	OH3WS
8	LB6KC	A		20M	HI	-	432	1.007	43	43.301	LB6KC
78	OH1MM			ALL	HI	TB-WIRE	262	546	77	42.042	OH1MM
46	LC9A	A		ALL	LO	-	346	731	55	40.205	LC9A
47	SM6TOL			ALL	LO	-	312	700	56	39.200	SM6TOL
48	OZ5DX			ALL	LO	-	251	554	70	38.780	OZ5DX
49	OZ3TQ			ALL	LO	WIRE	331	666	57	37.962	OZ3TQ



## All Single Operator –CW Scandinavian

#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
50	SE0C			ALL	LO	TB-WIRE	251	529	70	37.030	SM0CUH
79	SM3PZG			ALL	HI	-	242	525	69	36.225	SM3PZG
51	SF7X			ALL	LO	-	273	600	56	33.600	SM7HVQ
80	OH2BFG			ALL	HI	-	222	484	69	33.396	
4	OF3KQ			ALL	QRP	-	239	504	66	33.264	OH3KQ
4	SF6J			40M	HI	-	418	859	38	32.642	SM6DHF
52	SD5M			ALL	LO	WIRE	243	522	62	32.364	SM5DFM
5	OG7F			40M	HI	-	370	788	39	30.732	OG7F
53	OH2LU			ALL	LO	TB-WIRE	244	508	59	29.972	OH2LU
6	SE6J	A		40M	HI	-	387	805	37	29.785	
5	OU2V	A		ALL	QRP	WIRE	250	511	56	28.616	OZ1FJB
2	OH3RF			80M	HI	-	387	793	36	28.548	OH3RF
81	OH5NE			ALL	HI	-	203	427	65	27.755	OH5NE
3	OF2YL	A		80M	HI	-	381	782	33	25.806	OF2YL
82	OH3PE			ALL	HI	-	161	355	69	24.495	
54	TF3EO			ALL	LO	-	212	491	49	24.059	TF3EO
83	OH3EX	A		ALL	HI	-	182	384	54	20.736	OH3EX
9	OH6TN			20M	HI	-	219	526	39	20.514	OH6TN
55	SM7RYR	A		ALL	LO	TB-WIRE	205	476	42	19.992	SM7RYR
84	SA6NIA	A		ALL	HI	ROOKIE	238	541	35	18.935	SA6NIA
56	SE6K			ALL	LO	-	177	369	50	18.450	SM6FZO
7	SM5NBE			40M	HI	-	270	552	33	18.216	SM5NBE
57	OH2EV	A		ALL	LO	-	163	339	51	17.289	OH2EV
10	TF3W	A		20M	HI	-	215	496	34	16.864	TF3DC
11	OF7KA	A		20M	HI	-	202	451	36	16.236	OH3KAV
58	OH5UQ			ALL	LO	-	146	313	51	15.963	OH5UQ
12	LA7JO			20M	HI	-	208	451	31	13.981	LA7JO
59	OH8TX			ALL	LO	-	164	345	39	13.455	OH8TX
85	SM5EIE			ALL	HI	-	136	301	42	12.642	SM5EIE
8	LA7AZ			40M	HI	-	191	388	32	12.416	LA7RRA
60	OF8KA	A		ALL	LO	-	128	266	44	11.704	OH8KA
9	OF7KC			40M	HI	-	175	361	30	10.830	OF7KC
61	SM5GRD			ALL	LO	-	130	303	35	10.605	
6	LA3NGA			ALL	QRP	TB-WIRE	162	363	28	10.164	LA3NGA
13	LA2US			20M	HI	-	139	307	30	9.210	LA2US
62	OY/LB5SH			ALL	LO	-	108	230	40	9.200	LB5SH
14	OG3G			20M	HI	-	115	293	27	7.911	OG3G
15	SM3CZS			20M	HI	-	131	282	28	7.896	
10	OH8TU	A		40M	HI	-	153	308	25	7.700	OH8TU
16	OH8DR	A		20M	HI	-	117	260	29	7.540	OH8DR
63	OH2HZ			ALL	LO	WIRE	94	195	38	7.410	OH2HZ
64	SM3U	A		ALL	LO	WIRE	73	159	42	6.678	SM0MPV
65	SJ6A	A		ALL	LO	-	87	190	35	6.650	
66	OH2EA	A		ALL	LO	-	130	264	25	6.600	OH2EA
11	OH7L			40M	HI	-	125	257	24	6.168	OH8TV
67	LA6GX			ALL	LO	-	81	179	33	5.907	LA6GX
4	OZ/DL3KWF			80M	HI	-	111	223	25	5.575	
1	OH1XX			15M	HI	-	68	155	30	4.650	
17	LA9DK			20M	HI	-	100	217	21	4.557	LA9DK

## All Single Operator –CW Scandinavian

#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
68	OH1TS			ALL	LO	-	59	129	28	3.612	OH1TS
2	OH2BJ			15M	HI	-	56	129	27	3.483	OH2BJ
86	SC0T			ALL	HI	TB-WIRE	62	128	26	3.328	SA0BVX
69	OZ1THC			ALL	LO	-	47	99	27	2.673	OZ1THC
70	OH5MQ			ALL	LO	-	45	99	27	2.673	OH5MQ
12	OH6DX	A		40M	HI	-	81	163	16	2.608	OH6DX
13	OH5QY			40M	HI	-	73	149	17	2.533	OH5QY
71	SM2OTU			ALL	LO	-	40	86	28	2.408	SM2OTU
72	OH2BN			ALL	LO	-	50	105	22	2.310	OH2BN
18	OF1KH			20M	HI	-	47	105	22	2.310	
19	SM2C			20M	HI	-	53	118	18	2.124	SM2C
87	LA7SI			ALL	HI	-	38	80	24	1.920	LA7SI
3	OH3AR			15M	HI	-	36	83	18	1.494	OH3MC
88	LA7XK	A		ALL	HI	-	28	66	22	1.452	LA7XK
73	OH2MAS			ALL	LO	-	37	77	17	1.309	OH2MAS
74	OZ2OS			ALL	LO	-	25	58	21	1.218	OZ2OS
4	OZ4ABH			15M	HI	-	28	64	15	960	OZ4ABH
89	OH5SW			ALL	HI	-	23	56	16	896	
75	LB5DI			ALL	LO	WIRE	27	55	15	825	LB5DI
90	SM6LJU			ALL	HI	-	23	50	16	800	SM6LJU
20	LA8CJ	A		20M	HI	-	24	55	12	660	LA8CJ
76	SM6LPF	A		ALL	LO	TB-WIRE	20	47	14	658	SM6LPF
77	SM6USS			ALL	LO	TB-WIRE	20	41	15	615	SM6USS
21	OH1XY			20M	HI	-	20	45	13	585	OH1XY
91	OH1EB	A		ALL	HI	-	21	52	10	520	OH1EB
78	OH8FKK			ALL	LO	TB-WIRE	17	39	13	507	
79	OZ5UR			ALL	LO	-	20	41	11	451	OZ5UR
80	LC5W			ALL	LO	-	17	37	12	444	LC5W
81	OH7QR			ALL	LO	-	15	32	12	384	OH7QR
82	SM6GBM			ALL	LO	-	15	31	11	341	SM6GBM
83	LA2XNA			ALL	LO	-	13	30	10	300	LA2XNA
92	OH6LNI	A		ALL	HI	TB-WIRE	11	30	7	210	OH6LNI
84	TF3VS			ALL	LO	-	8	20	7	140	TF3VS
14	OH1MAR			40M	HI	-	11	22	4	88	
85	OH3KX			ALL	LO	-	5	12	5	60	OH3KX
5	OH2LIR			15M	HI	-	5	13	4	52	OH2LIR
6	OH1QX			15M	HI	-	2	6	2	12	OH1ZAA
15	SE1X	A		40M	HI	-	3	6	1	6	
22	OH4KA	A		20M	HI	-	0	0	0	0	OH4KA

## All Multi Operator CW Scandinavia

## All Multi Operator CW Scandinavia

#	Call	Class	Band	PWR	QSO	Point	Mult	Score	Operators
1	OF1F	MULTI-MULTI	ALL	HI	2598	5.909	228	1.347.252	OH1TM OH1NOA OH1RX OH1HS
2	LN8W	MULTI-MULTI	ALL	HI	2625	5.937	222	1.318.014	LA0GE LA3BO LA6YEA LB3RE LB8DC
1	SJ2W	MULTI-ONE	ALL	HI	2173	5.010	206	1.032.060	SA2CLC SM2LIY SM2WMV

All Multi Operator CW Scandinavia									
#	Call	Class	Band	PWR	QSO	Point	Mult	Score	Operators
2	OH0Z	MULTI-ONE	ALL	HI	2073	4.770	206	982.620	OH6EI OH2N OH6DD OH2XX
3	OF9W	MULTI-MULTI	ALL	HI	2220	4.853	186	902.658	OH2BCI OH2TA OH2LQ OH5BQ OH5LLR
4	SK3W	MULTI-MULTI	ALL	HI	1839	4.139	192	794.688	SM0GNU SM3SGP
5	SC7DX	MULTI-MULTI	ALL	HI	1701	3.730	176	656.480	SM7GIB SM7IUN SM0HJZ SM7JNT SM7VZX
3	OH2BAH	MULTI-ONE	ALL	HI	1409	3.164	165	522.060	OH2BAH OH2BMN OH2PQ
4	SM2U	MULTI-ONE	ALL	HI	1436	3.286	157	515.902	SM0CXU SM0DZB SA0BYP @SM0T
5	SC3A	MULTI-ONE	ALL	HI	1413	3.175	161	511.175	SM3WMU SM3RAB
6	OV2T	MULTI-ONE	ALL	HI	1243	2.669	140	373.660	PA7JWC PA0ABM PD2R
7	OZ0MF	MULTI-ONE	ALL	HI	1116	2.401	135	324.135	DJ4MF DL2JRM
8	OF3AD	MULTI-ONE	ALL	HI	949	2.066	117	241.722	OH7MRU OH8MSG
9	SK0QO	MULTI-ONE	ALL	HI	770	1.690	119	201.110	SM0DSF SM0NUE SM0DCD SA0BJL SM5OUU
10	SJ0X	MULTI-ONE	ALL	HI	798	1.754	107	187.678	SA0LAT SM0JCA SM0W
11	SG4G	MULTI-ONE	ALL	HI	784	1.674	107	179.118	SM0JST SM0NSJ
12	LA3OCT	MULTI-ONE	ALL	HI	290	609	70	42.630	LA1LO LA1BN



# All Single Operator – SSB Scandinavia

All Single Operator –SSB Scandinavia											
#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	OH0V	A	SO2R	ALL	HI	-	1697	4.051	224	907.424	OH6LI
2	SE5E	A	SO2R	ALL	HI	-	1317	2.987	196	585.452	SM5AJV
3	OF2R	A	SO2R	ALL	HI	-	1287	2.867	204	584.868	OH2GEK
4	OH8L	A	SO2R	ALL	HI	-	1282	2.970	181	537.570	OH8LQ
5	OF4X	A		ALL	HI	-	1134	2.551	205	522.955	OH5BM
6	OG6N	A	SO2R	ALL	HI	-	1222	2.723	185	503.755	OH6NIO
7	OG5A	A		ALL	HI	-	1070	2.421	196	474.516	OH5TS
8	OH6DX	A		ALL	HI	TB-WIRE	1147	2.538	184	466.992	OH6DX
9	OZ4MD			ALL	HI	-	907	2.140	163	348.820	OZ4MD
10	SG0X	A		ALL	HI	-	965	2.162	149	322.138	SM0MLZ
11	OH6RE	A		ALL	HI	-	853	1.798	160	287.680	OH6RE
12	OG7A	A		ALL	HI	-	765	1.825	151	275.575	OH6MW
13	OH3Z			ALL	HI	-	649	1.508	150	226.200	OH3Z
14	OG2T	A		ALL	HI	-	720	1.552	145	225.040	OH5LLR
15	OH2OA			ALL	HI	-	789	1.660	128	212.480	OH2BLV
1	TF3T			20M	HI	-	1283	3.154	64	201.856	
1	OG4W	A		ALL	LO	-	647	1.365	142	193.830	OH4KZM
2	SG8X			20M	HI	-	1098	2.621	73	191.333	SG8X
16	OH6OS	A		ALL	HI	-	644	1.460	131	191.260	OH6OS
3	OH7K			20M	HI	-	1154	2.647	72	190.584	OH7JL
2	OH1Z	A	SO2R	ALL	LO	-	624	1.328	142	188.576	OH1LEG
17	SA6U	A		ALL	HI	-	575	1.307	139	181.673	SM6LJU
18	OF1RX	A		ALL	HI	-	514	1.130	145	163.850	OH1RX
19	OF100SRAL	A		ALL	HI	-	584	1.270	129	163.830	OH2CV
20	OH3JR			ALL	HI	-	593	1.285	126	161.910	OH3JR
21	SE0X	A		ALL	HI	-	633	1.375	112	154.000	DD1MAT
4	SM5X			20M	HI	-	847	2.019	67	135.273	SM5GMZ
3	OH6ECM			ALL	LO	TB-WIRE	554	1.182	109	128.838	OH6ECM
22	SI9YL	A		ALL	HI	-	582	1.267	100	126.700	SM3LIV
5	OH8X			20M	HI	-	851	1.950	63	122.850	OH8NC
23	OH5NBJ			ALL	HI	-	522	1.097	108	118.476	OH5NBJ
4	SM5IMO	A		ALL	LO	-	487	1.105	107	118.235	SM5IMO
24	OV9M			ALL	HI	WIRE	516	1.077	106	114.162	DF9TM
5	SB7S	A		ALL	LO	WIRE	486	1.008	113	113.904	SB7S
25	LA8OM			ALL	HI	TB-WIRE	508	1.105	102	112.710	LA8OM
6	LA7JO			20M	HI	-	761	1.640	66	108.240	LA7JO
26	SM5EPO	A		ALL	HI	-	418	969	111	107.559	SM5EPO
27	LA7AK			ALL	HI	TB-WIRE	533	1.083	99	107.217	LA7AK
6	OG2Y			ALL	LO	-	451	943	113	106.559	OH3BKL
28	OH1X			ALL	HI	-	380	853	118	100.654	OH3WW
29	OZ0J	A		ALL	HI	-	381	927	100	92.700	OZ0J
30	OH9GGY			ALL	HI	TB-WIRE	506	1.065	86	91.590	OH9GGY
7	OH6F	A		ALL	LO	-	417	874	100	87.400	OH6F
31	SM6MVE	A		ALL	HI	TB-WIRE	378	789	108	85.212	SM6MVE
32	SG0M			ALL	HI	-	424	878	96	84.288	SA0AQT
33	OH2KI			ALL	HI	-	363	768	109	83.712	
34	OV7X	A		ALL	HI	WIRE	390	845	98	82.810	DM7XX

## All Single Operator –SSB Scandinavia

#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
35	SM6NT			ALL	HI	-	365	791	103	81.473	SM6NT
36	SC7DX	A		ALL	HI	-	339	778	102	79.356	SM7GIB
37	SM2S			ALL	HI	-	485	1.027	75	77.025	SM2S
38	8S0C	A		ALL	HI	TB-WIRE	344	750	100	75.000	SM0MPV
39	SM2M	A		ALL	HI	-	404	927	79	73.233	SM2LIY
7	SF4D	A		20M	HI	-	526	1.162	62	72.044	SM4LMV
40	OH8WR		SO2R	ALL	HI	-	396	857	82	70.274	OH8WR
41	OH2LH			ALL	HI	WIRE	415	851	79	67.229	OH2LH
42	SM5V			ALL	HI	-	313	673	92	61.916	SM5V
43	OG6B			ALL	HI	-	321	671	90	60.390	OH1ZAA
44	SE6U			ALL	HI	-	295	658	90	59.220	SM6KNL
45	SB7W			ALL	HI	TB-WIRE	296	648	90	58.320	
46	SA6NIA			ALL	HI	ROOKIE	331	733	68	49.844	SA6NIA
47	OZ2PBS	A		ALL	HI	-	272	648	76	49.248	OZ2PBS
1	OH2BJ			40M	HI	-	479	976	49	47.824	OH2BJ
8	LA7WRA			ALL	LO	-	272	557	82	45.674	LA7WRA
48	OH1EB	A		ALL	HI	-	297	663	68	45.084	OH1EB
9	OH6LW			ALL	LO	-	308	638	65	41.470	OH6LW
10	OZ1D			ALL	LO	-	233	503	80	40.240	OZ1HHH
11	SM5DXR			ALL	LO	-	262	535	74	39.590	SM5DXR
12	LC1P			ALL	LO	WIRE	224	467	81	37.827	LA1DSA
8	OF8Z	A		20M	HI	-	379	783	46	36.018	OH8MCT
9	OH6XY			20M	HI	-	349	763	44	33.572	OH6XY
1	OG5O	A		15M	HI	-	268	678	49	33.222	OG55W
2	OH8WW			15M	HI	-	262	624	53	33.072	OH8WW
13	LA3BPA	A		ALL	LO	-	199	422	76	32.072	LA3BPA
49	LC5C			ALL	HI	WIRE	270	553	57	31.521	LA6KOA
1	8S3DX			ALL	QRP	TB-WIRE	183	419	74	31.006	SM3LDP
14	OF3RF			ALL	LO	-	197	433	71	30.743	OF3RF
50	LA4ESA			ALL	HI	TB-WIRE	212	446	68	30.328	LA4ESA
15	OH5FM			ALL	LO	TB-WIRE	199	428	68	29.104	OH5KIZ
16	SK6BA			ALL	LO	WIRE	183	397	73	28.981	SM6TZL
17	SM3EAE	A		ALL	LO	-	265	543	51	27.693	SM3EAE
18	OH6BQH			ALL	LO	TB-WIRE	241	498	55	27.390	OH6BQH
51	TF8KY			ALL	HI	-	195	453	60	27.180	TF8KY
3	SK3W			15M	HI	-	213	578	47	27.166	SM0GNU
52	SM2CEW			ALL	HI	-	207	432	60	25.920	SM2CEW
10	OH7R			20M	HI	-	276	585	43	25.155	
53	OF1TD	A		ALL	HI	-	176	370	66	24.420	OF1TD
54	SF1Z			ALL	HI	TB-WIRE	182	397	59	23.423	SM0HEV
19	SE6K	A		ALL	LO	-	170	353	65	22.945	SM6FZO
55	5Q2J	A		ALL	HI	-	174	427	51	21.777	5Q2J
20	OZ1KVM	A		ALL	LO	-	134	299	67	20.033	OZ1KVM
56	OF7KC	A		ALL	HI	-	168	348	57	19.836	OH7MFO
21	OZ1KKH			ALL	LO	TB-WIRE	136	292	61	17.812	OZ1KKH
57	OZ5E			ALL	HI	-	126	286	62	17.732	OZ5E
22	OH2BRG	A		ALL	LO	ROOKIE	170	353	49	17.297	OH2BRG
11	LA0GE			20M	HI	-	192	418	41	17.138	LA0GE
23	OH8RX			ALL	LO	ROOKIE	132	277	60	16.620	

## All Single Operator –SSB Scandinavia

#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
24	OH2NC			ALL	LO	WIRE	153	317	52	16.484	OH2NC
58	OZ400HS			ALL	HI	-	130	309	47	14.523	5P1KZX
25	SE5Z	A		ALL	LO	WIRE	123	265	54	14.310	SA5BCG
12	OG66X			20M	HI	-	193	484	29	14.036	OH8WW
59	LC5W			ALL	HI	-	139	291	48	13.968	LC5W
4	OH3XA			15M	HI	-	150	384	36	13.824	OH3XA
26	OH9EGH			ALL	LO	-	126	262	51	13.362	OH9EGH
60	SE5N	A		ALL	HI	-	120	267	49	13.083	SM5ISM
27	TF2MSN			ALL	LO	-	126	282	46	12.972	TF2MSN
28	SB7A	A		ALL	LO	-	133	274	47	12.878	SA7LAK
29	LC7D			ALL	LO	-	107	223	56	12.488	LA6PBA
30	OZ4NA			ALL	LO	TB-WIRE	118	247	49	12.103	OZ4NA
31	OH3UAI			ALL	LO	-	111	236	51	12.036	OH3UAI
61	OH1XY			ALL	HI	-	99	223	53	11.819	OH1XY
13	LC8C			20M	HI	-	145	311	38	11.818	LA8FTA
62	SA6SKA			ALL	HI	TB-WIRE	116	240	48	11.520	SA6SKA
32	SM3KJA			ALL	LO	-	112	231	49	11.319	SM3KJA
63	SM5B			ALL	HI	TB-WIRE	119	246	45	11.070	SM5EMR
33	SB5X			ALL	LO	-	97	219	49	10.731	SB5X
34	LA7TN			ALL	LO	-	120	249	43	10.707	LA7TN
14	OH3BHL			20M	HI	-	150	320	33	10.560	OH3BHL
64	SM7ATL			ALL	HI	-	110	233	45	10.485	SM7ATL
35	OH2HZ			ALL	LO	TB-WIRE	105	224	46	10.304	OH2HZ
36	SM5ACQ			ALL	LO	-	108	220	46	10.120	SM5ACQ
37	SA0JSJ			ALL	LO	-	94	196	50	9.800	SA0JSJ
65	SM5W			ALL	HI	-	93	211	46	9.706	SM5W
66	OH2XX	A		ALL	HI	-	126	321	29	9.309	
38	OH4MVH	A		ALL	LO	TB-WIRE	93	202	46	9.292	OH4MVH
67	SM6YEC	A		ALL	HI	-	101	207	44	9.108	SM6YEC
39	OZ3ANT			ALL	LO	TB-WIRE	88	187	46	8.602	OZ3ANT
40	SM5JVF			ALL	LO	-	91	193	42	8.106	SM5JVF
41	OZ0MF	A		ALL	LO	WIRE	98	207	39	8.073	DL2JRM
42	LA2GKA	A		ALL	LO	-	87	179	41	7.339	LA2GKA
43	SJ6A			ALL	LO	-	97	206	35	7.210	SM6JSM
68	LA5VK			ALL	HI	-	102	211	34	7.174	LA5VK
15	OG2X			20M	HI	-	113	243	29	7.047	OH2RM
5	OH1VR			15M	HI	-	92	243	29	7.047	OH1VR
44	SE4E	A		ALL	LO	WIRE	78	167	40	6.680	SM4DQE
45	SM5MRQ			ALL	LO	-	73	150	41	6.150	SM5MRQ
6	OG3B			15M	HI	-	90	201	30	6.030	OH3RB
46	SA6IMI			ALL	LO	ROOKIE	83	169	34	5.746	SA6IMI
69	LA8CJ	A		ALL	HI	-	82	212	26	5.512	LA8CJ
16	SM6C			20M	HI	-	89	189	29	5.481	
47	LB4YI			ALL	LO	ROOKIE	65	137	40	5.480	LB4YI
48	OH6JE			ALL	LO	-	66	138	39	5.382	OH6JE
49	OH3NAQ			ALL	LO	WIRE	64	136	39	5.304	OH3NAQ
17	SE4L			20M	HI	-	79	172	30	5.160	SA0FIA
50	SD3T			ALL	LO	-	69	146	35	5.110	SM7XEN
51	SE5W	A		ALL	LO	-	62	136	37	5.032	SM5NQB

## All Single Operator –SSB Scandinavia

#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
1	OU8A			80M	HI	-	107	215	23	4.945	5P00
70	SA6P			ALL	HI	-	69	154	32	4.928	SA6P
2	LB1LG			ALL	QRP	TB-WIRE	75	156	31	4.836	LB1LG
52	OH3BKN	A		ALL	LO	TB-WIRE	61	136	35	4.760	OH3BKN
3	LC4C			ALL	QRP	WIRE	67	136	33	4.488	LC4C
53	SI0W	A		ALL	LO	TB-WIRE	63	143	31	4.433	SM0NSJ
18	TF3AO	A		20M	HI	-	91	196	22	4.312	TF3AO
54	OH6EHZ	A		ALL	LO	-	56	123	33	4.059	OH6EHZ
55	SM6USS			ALL	LO	TB-WIRE	57	134	30	4.020	SM6USS
56	SM6IQD	A		ALL	LO	-	59	128	31	3.968	SM6IQD
57	OH1PG			ALL	LO	WIRE	54	116	34	3.944	OH1PG
58	SK6L			ALL	LO	TB-WIRE	60	128	30	3.840	SK6L
59	OZ5XN			ALL	LO	WIRE	48	108	34	3.672	OZ5XN
60	OH8KVY	A		ALL	LO	-	64	135	27	3.645	OH8KVY
61	LB4ZI			ALL	LO	ROOKIE	55	121	30	3.630	LB4ZI
2	SM0N			80M	HI	-	86	172	21	3.612	SM0JCA
62	OH3RF	A		ALL	LO	-	57	126	28	3.528	OF3RF
63	OZ1DYI			ALL	LO	-	51	109	32	3.488	OZ1DYI
71	OH6CT	A		ALL	HI	-	52	122	28	3.416	OH6CT
72	SA5HUB			ALL	HI	WIRE	50	102	32	3.264	SA5HUB
64	OF2BGR			ALL	LO	TB-WIRE	46	99	31	3.069	
73	SE6C			ALL	HI	-	56	118	26	3.068	SE6C
65	LA5LJA			ALL	LO	-	59	125	24	3.000	LA5LJA
66	OF5MQ			ALL	LO	-	44	92	28	2.576	OF5MQ
4	OH3KQ			ALL	QRP	-	44	95	27	2.565	OH3KQ
74	OZ8AGB	A		ALL	HI	WIRE	57	116	22	2.552	OZ8AGB
3	OZ3SM			80M	HI	-	63	127	19	2.413	OZ3SM
67	SA6KOD			ALL	LO	ROOKIE	48	97	23	2.231	SA6KOD
68	LA6GX			ALL	LO	-	43	87	25	2.175	LA6GX
2	OF2MZA			40M	HI	-	63	127	17	2.159	OH1ZAA
69	OH5UQ			ALL	LO	-	40	83	26	2.158	OH5UQ
75	OH5NE			ALL	HI	-	43	88	22	1.936	OH5NE
76	OH3KX			ALL	HI	-	42	86	22	1.892	OH3KX
70	OH3WS			ALL	LO	-	35	74	21	1.554	OH3WS
19	OH4KA			20M	HI	-	44	89	16	1.424	OH4KA
71	OF2BXT			ALL	LO	TB-WIRE	30	63	22	1.386	OH2BXT
72	SA2APO			ALL	LO	TB-WIRE	34	70	18	1.260	SA2APO
20	OF5C			20M	HI	-	39	80	15	1.200	OH5CW
73	SA0SOA			ALL	LO	ROOKIE	25	55	20	1.100	
74	SF5O	A		ALL	LO	WIRE	28	56	19	1.064	SM0EOS
75	OH1POR			ALL	LO	-	27	56	19	1.064	OH1POR
3	OZ8ZS	A		40M	HI	-	42	84	11	924	
77	LA6GHA			ALL	HI	-	25	51	18	918	
78	SM7IUN			ALL	HI	WIRE	23	53	17	901	
76	LA8RTA			ALL	LO	-	27	55	16	880	
79	OF1D	A		ALL	HI	-	24	58	15	870	OH1JD
77	SA5JUS	A		ALL	LO	WIRE	25	53	16	848	SA5JUS
78	SA6FAX			ALL	LO	ROOKIE	28	56	13	728	SA6FAX
21	OH1MM			20M	HI	-	26	55	12	660	OH1MM

## All Single Operator –SSB Scandinavia

#	Call	Ass	SO2R	Band	PWR	Overlay	QSO	Point	Mult	Score	Operators
4	OZ9V			40M	HI	-	25	50	13	650	OZ9V
80	SM5TNL			ALL	HI	-	21	43	14	602	SM5TNL
81	LA6LLA			ALL	HI	-	21	42	14	588	LA6LLA
79	LA3RNA			ALL	LO	-	18	39	14	546	LA3RNA
80	SA4DHT			ALL	LO	WIRE	18	37	14	518	
81	SM5LSM			ALL	LO	-	17	35	14	490	SM5LSM
22	SK6QA	A		20M	HI	-	20	40	12	480	SA6AXR
82	SM0WAV			ALL	LO	WIRE	17	34	10	340	SM0WAV
23	OF4BCS			20M	HI	-	13	28	10	280	OH1ZAA
7	OF5ZA			15M	HI	-	12	31	8	248	OH1ZAA
82	SD1A			ALL	HI	WIRE	13	27	9	243	SM1TDE
83	OZ1KIH	A		ALL	HI	-	12	24	9	216	OZ1KIH
83	SM4FYX			ALL	LO	WIRE	10	20	9	180	SM4FYX
8	OH5C			15M	HI	-	11	25	7	175	OH5CW
84	OH8FKK			ALL	LO	TB-WIRE	9	18	8	144	
84	SM0WJH			ALL	HI	-	11	23	6	138	
85	SM4HBG			ALL	LO	WIRE	9	18	7	126	
86	LB2VI			ALL	LO	-	8	16	7	112	LB2VI
5	SE5M			ALL	QRP	WIRE	7	15	5	75	SA5QED
87	OH5NS			ALL	LO	-	6	12	5	60	OH5NS
9	SM6WYN			15M	HI	-	5	12	5	60	
88	SM5S			ALL	LO	WIRE	5	10	4	40	SM5SIC
89	SA4AVS			ALL	LO	-	5	10	4	40	SA4AVS
90	OH2CCD			ALL	LO	ROOKIE	4	8	3	24	OH2CCD
1	OH5LAQ			10M	HI	-	3	8	3	24	OH5CW
91	SM3TTZ			ALL	LO	-	3	6	3	18	SM3TTZ
92	OH2ECG			ALL	LO	WIRE	3	6	3	18	
93	LA7USA			ALL	LO	TB-WIRE	3	6	3	18	
94	OF2II			ALL	LO	TB-WIRE	3	6	1	6	
85	OH5SW			ALL	HI	-	2	4	1	4	OH5SW
6	OU2V	A		ALL	QRP	-	1	3	1	3	OZ1FJB
2	OH5CY			10M	HI	-	1	3	1	3	OH5CY
3	OF3BCX			10M	HI	-	1	3	1	3	OH1ZAA
5	OH9FOXI			40M	HI	-	0	0	0	0	

## All Multi Operator – SSB Scandinavia

## All Multi Operator –SSB Scandinavia

#	Call	Class	Band	PWR	QSO	Point	Mult	Score	Operators
1	LN8W	MULTI-MULTI	ALL	HI	1933	4.803	234	1.123.902	LA5KO LB1G LB1HI LB1RH LB1TI LB3RE LB7PI
1	OF1F	MULTI-ONE	ALL	HI	1573	3.664	237	868.368	OH1NOA OH1TM
2	SK6HD	MULTI-MULTI	ALL	HI	1277	2.890	215	621.350	SA6BET SM6FKF SM6NCS SM6NOC
2	OF9W	MULTI-ONE	ALL	HI	1075	2.426	179	434.254	OH2BCI OH2KW OH2TA OH5BQ
3	OH2BAH	MULTI-ONE	ALL	HI	1039	2.305	177	407.985	OH2BAH OH2BMN OH2PQ
4	SC3A	MULTI-ONE	ALL	HI	885	1.942	150	291.300	SM3WMU SM3RAB
5	OI3V	MULTI-ONE	ALL	HI	902	1.938	150	290.700	OH3BJL OH3KAV OH3LB
3	LN2T	MULTI-MULTI	ALL	HI	931	2.064	138	284.832	LA3WAA LB5SH LB6VI



## All Multi Operator –SSB Scandinavia

#	Call	Class	Band	PWR	QSO	Point	Mult	Score	Operators
6	OF5Z	MULTI-ONE	ALL	HI	752	1.709	162	276.858	OH5CZ OH6XX OH7WV
7	SK6AW	MULTI-ONE	ALL	HI	760	1.687	143	241.241	SA6CBY SA6BGR SA6CBN
8	SM2U	MULTI-ONE	ALL	HI	747	1.668	136	226.848	SM0T SM0CXU @SM0T
9	LN1B	MULTI-ONE	ALL	HI	697	1.579	131	206.849	LA4XLA LA6VQ
4	OZ4EDR	MULTI-MULTI	ALL	HI	724	1.612	126	203.112	OZ30EU OZ1CFT OZ4P
10	OH6K	MULTI-ONE	ALL	HI	691	1.528	121	184.888	OH6MSZ OH6FSG
11	OZ6HR	MULTI-ONE	ALL	HI	668	1.408	119	167.552	OZ1QZ OZ7MC
12	SJ2W	MULTI-ONE	ALL	HI	521	1.209	118	142.662	SA2CLC SM2WMV
13	SK4AO	MULTI-ONE	ALL	HI	493	1.120	119	133.280	SK4AO
14	SK0QO	MULTI-ONE	ALL	HI	465	979	114	111.606	SM0DCD SM0BYO SM0NUE SM0DSF SA0SOA
15	SJ3A	MULTI-ONE	ALL	HI	433	905	101	91.405	SM3OMO SA3MYS
16	OF4O	MULTI-ONE	ALL	HI	380	807	105	84.735	OH2GTQ OH5HQO OH2LGW
17	JW5X	MULTI-ONE	ALL	HI	432	964	67	64.588	LA7XK LA9DL
18	LA1UKA	MULTI-ONE	ALL	HI	117	246	38	9.348	LB5DH LB0VG LB5PI LB9WI LB7IG LB1AJ
19	SK6MA	MULTI-ONE	ALL	HI	59	122	32	3.904	SM7HVQ SM6XWE SA6ANW SM6VAG



## All Single Operator – CW World

All Single Operator –CW World				
Call	P	QSO	Score	Operator
RG9A	HI	499	120.848	RG9A
R8WF	HI	456	105.730	
LZ5R	HI	636	98.580	LZ3ND
P3X	HI	357	88.515	UT5UDX
YL7X	HI	544	81.600	YL2LY
LY5W	HI	551	78.793	LY5W
VA2WA	HI	366	78.624	VA2WA
W1KM	HI	356	77.478	W1KM
LZ6E	HI	516	70.692	LZ1GU
I2WIJ	HI	493	69.020	
AA2A	HI	312	62.274	N2KW
YQ6A	HI	456	61.560	YO6BHN
EA8/OG60BBM	HI	335	59.309	EA8/OG60BBM
E77R	LO	466	58.716	E77R
HA1DAE	HI	487	57.953	HA1DAE
UT5EL	HI	438	56.940	UT5EL
UA9W	HI	267	56.871	UA9W
SP1NY	HI	436	56.244	SP1NY
RA3Y	LO	462	55.902	RA3Y
RM4F	HI	450	54.450	
VE3NNT	HI	296	54.264	VE3NNT
HA3DX	HI	410	53.300	HA3DX
UN4L	LO	299	53.163	
YO4NF	HI	437	50.255	YO4NF
DL6KVA	HI	375	49.500	DL6KVA
UR7LY	HI	439	49.168	UR7LY
LZ3R	HI	404	46.460	LZ1ZJ
LZ5DB	HI	365	45.625	
K2ZW	HI	253	44.436	JO1RUR
JH4UYB	HI	276	43.674	JH4UYB
DK8NT	LO	375	43.125	DK8NT
4O4T	HI	358	42.960	4O4T
LY2A	HI	375	42.375	LY2KA
TM6M	LO	345	42.090	
R6CC	LO	366	39.528	R6CC
UY5ZZ	HI	334	39.412	
N4RV	HI	240	39.216	N4RV
EW1M	HI	364	37.856	EW1M
UV1IX	HI	362	37.648	UV1IX
OE5TXF	HI	357	37.128	G3TXF

All Single Operator –CW World				
Call	P	QSO	Score	Operator
HA2KMR	HI	346	37.022	
RW4S	LO	385	36.575	RU4SS
EW8DX	HI	353	36.359	EW8DX
DF5EG	HI	339	35.934	
F5OHM	HI	326	35.860	
HA7RY	HI	355	35.855	
RA4PQ	HI	339	35.256	RA4PQ
IV3JCC	LO	310	34.410	IV3JCC
OQ5M	HI	318	34.344	ON5ZO
M1X	HI	343	34.300	G0CKP
N4AF	HI	222	34.224	N4AF
LZ3QE	LO	328	34.112	LZ3QE
UC7A	HI	346	33.908	UC7A
UP5B	HI	268	33.132	UN7ZO
G3SWC	HI	345	33.120	G3SWC
RM2D	HI	318	33.072	SM6LRR
UT2UB	HI	344	32.336	
HA8WY	LO	298	32.184	HA8WY
YT1Q	LO	300	31.800	YT1Q
SN5J	LO	338	31.772	SP5JXK
R4IO	HI	344	31.648	R4IO
K3ZO	HI	213	31.521	
OL70DG	HI	320	31.360	
P3AA	LO	237	31.233	
UN6LN	LO	262	31.080	
IZ3SQW	HI	302	30.804	
YO9HP	HI	301	30.401	YO9HP
UR5EDX	HI	313	30.361	UR5EDX
ES2MC	HI	249	30.129	
OK7T	LO	306	29.682	OK1FHI
R6DJM	HI	314	29.516	R6DJM
K3WW	HI	209	29.360	K3WW
UN9GD	HI	231	28.938	UN9GD
F6AUS	HI	303	28.482	
DL1CW	LO	284	28.400	DL1CW
SP7CF	LO	301	28.294	SP7CF
YO4DG	LO	321	27.927	YO4DG
R3AQ	HI	288	27.360	R3AQ
HA3GO	LO	279	27.342	
UT8AS	QRP	295	27.140	

All Single Operator –CW World				
Call	P	QSO	Score	Operator
N6AR	HI	196	26.240	N6AR
SP1AEN	LO	316	26.228	SP1AEN
SN5X	HI	336	26.208	SP5GRM
LY5XX	LO	304	25.840	
DL5JQ	LO	253	25.806	
DR5X	HI	335	25.795	DL9EE
IV3EAD	LO	268	25.728	
LY7Z	LO	223	25.645	
YU1YV	LO	252	25.452	
LY8A	HI	339	25.425	LY8A
US7IY	LO	282	25.380	
ON6NL	HI	250	25.250	ON6NL
RM5F	QRP	282	24.816	RM5F
S53V	LO	246	24.600	S53V
UR7HY	LO	266	24.206	UR7HY
EU8U	HI	327	24.198	
YO3APJ	LO	258	23.994	YO3APJ
LY4G	HI	329	23.688	
RL4A	HI	231	23.562	
DR7T	LO	261	23.490	DF1DN
SN1T	HI	309	23.484	SP1NQN
UA6GO	LO	280	23.240	UA6GO
RW1A	HI	301	23.177	RW1A
UA3R	HI	249	23.157	UA3RC
RA4ACX	LO	275	23.100	RA4ACX
DL3DTH	HI	300	23.100	DL3DTH
PA0JLS	LO	252	22.428	PA0JLS
LZ2RS	QRP	263	22.355	LZ2RS
US1VM	LO	245	22.295	US1VM
LY2NK	HI	309	22.248	LY2NK
YL2PJ	HI	286	21.450	YL2PJ
PY5AMF	HI	190	21.320	PY5AMF
DL8QS	HI	285	21.090	DL8QS
YO8DOH	QRP	260	21.060	YO8DOH
UA3LEO	HI	238	20.944	
DL1EFW	QRP	257	20.817	DL1EFW
IK4DCX	LO	215	20.640	IK4DCX
RU9TN	LO	185	20.631	
PA4M	HI	245	20.335	PA4M
IN3FHE	LO	254	20.320	
SP9DLY	LO	240	19.920	SP9DLY

All Single Operator –CW World				
Call	P	QSO	Score	Operator
WX4G	HI	166	19.738	WX4G
UW7EF	LO	239	19.598	UW7EF
UN0LM	LO	208	19.592	
LY5I	HI	266	19.418	LY5I
F5SGI	LO	225	19.350	F5SGI
SP1C	QRP	261	19.053	SP1C
SP2R	HI	262	18.864	SP2R
EV6Z	LO	246	18.696	EV6Z
NP2X	HI	137	18.675	K9VV
UT5VX	LO	214	18.618	UT5VX
I6FDJ	LO	226	18.532	
OL6D	HI	252	18.396	OK1DWQ
UX1AA	LO	235	18.330	UX1AA
RN4HAB	LO	246	17.958	RN4HAB
SO3O	HI	260	17.940	
EI5KF	HI	226	17.854	
OK6DJ	HI	210	17.850	OK6DJ
EM30UA	LO	210	17.850	EM30UA
UY2IG	LO	223	17.840	
EX8MJ	LO	156	17.802	EX8MJ
VE3EJ	HI	139	17.679	VE3EJ
RU4LM	LO	229	17.633	RU4LM
DL1NKS	HI	209	17.556	DL1NKS
OK1OA	HI	208	17.472	OK1OA
OM3CPF	HI	215	17.415	
UZ1WW	HI	241	17.352	UZ1WW
RK3P	HI	216	17.280	RK3P
EW1P	LO	218	17.222	EW1P
K5KG	HI	155	17.181	K5KG
S56A	LO	187	17.017	S56A
UR1YAA	LO	211	16.880	UR1YAA
K1ZZ	HI	124	16.750	K1ZZ
LZ1ND	LO	242	16.698	LZ1ND
RV3ZN	LO	196	16.660	RV3ZN
UR3QX	HI	220	16.500	UR3QX
OK3X	HI	232	16.472	OK1VK
RK3TD	HI	211	16.458	
RN6A	HI	238	16.422	RN6A
DL6AG	LO	210	16.380	
RD4A	HI	207	16.353	
YL7A	HI	230	16.330	YL7A

All Single Operator –CW World				
Call	P	QSO	Score	Operator
SQ8N	HI	195	16.185	SQ8N
ES5EP	LO	210	15.960	ES5EP
DK9IP	HI	147	15.876	DK9IP
LZ1QN	HI	191	15.853	LZ1QN
PA3AAV	HI	199	15.721	PA3AAV
LY2MM	HI	233	15.611	LY2MM
N4BP	HI	170	15.494	N4BP
LY2DX	LO	198	15.444	
G3P	HI	230	15.410	G3WPH
PV2K	HI	147	15.366	PY2KNK
N2QV	HI	97	15.296	N2QV
S57DX	HI	209	15.257	S57DX
UT7IS	HI	231	15.246	UT7IS
LY2TS	HI	217	15.190	LY2TS
RX9L	LO	154	15.184	RX9L
PA2TA	LO	207	15.111	PA2TA
UA9FGJ	HI	205	14.965	
YO2IS	LO	182	14.924	YO2IS
PY1VOY	HI	150	14.910	PY1VOY
CT1DRB	LO	183	14.823	
SP7IIT	HI	227	14.755	SP7IIT
N9NC	HI	128	14.652	N9NC
SP7P	LO	197	14.578	SP7AH
EA4BAS	LO	179	14.499	EA4BAS
RW3DY	LO	195	14.430	RW3DY
DF8AA	HI	215	14.405	
UX2MF	HI	189	14.364	
RT4P	HI	179	14.320	R8FF
K1LZ	HI	93	14.229	K1LZ
RT2C	HI	206	14.214	RV3FF
KG4W	HI	119	14.210	KG4W
R4BZ	HI	194	14.162	R4BZ
YO5AXF	LO	179	14.141	YO5AXF
LY3CY	HI	223	14.049	LY3CY
OK4RQ	LO	203	14.007	
LZ5N	HI	208	13.936	LZ1HW
YU5T	LO	214	13.910	
DL1WA	HI	185	13.875	
DL2FQ	HI	203	13.804	
DL7UGN	LO	162	13.608	
DG9SEH	HI	176	13.552	DG9SEH

All Single Operator –CW World				
Call	P	QSO	Score	Operator
DJ1OJ	LO	170	13.430	DJ1OJ
DL5KUD	HI	203	13.398	DL5KUD
HA7PO	LO	183	13.359	HA7PO
RK8I	HI	186	13.284	
RW0AJ	LO	145	13.166	RW0AJ
UN7LDR	HI	107	13.161	
SP4AWE	HI	199	13.134	SP4AWE
4X1ST	LO	130	13.000	4X1ST
YL3FW	QRP	200	13.000	
HB9TSW	HI	183	12.993	HB9TSW
IU0ITX	LO	175	12.950	IU0ITX
DJ3CQ	HI	161	12.880	DJ3CQ
SP9GMI	LO	161	12.880	SP9GMI
S57X	LO	167	12.859	S57X
4X1VF	HI	162	12.834	4X1VF
K2QMF	HI	133	12.803	K2QMF
LZ2CH	LO	202	12.726	LZ2CH
DL1DQW	LO	163	12.714	DL1DQW
DL4ME	HI	192	12.672	DL4ME
VE1RSM	HI	136	12.626	VE1RSM
ON4CAS	LO	180	12.600	ON4CAS
DL5AXX	HI	112	12.544	
DL5CL	LO	188	12.408	
IV3HAX	LO	157	12.403	
PY5FB	HI	156	12.376	PY5FB
YL2PP	HI	189	12.285	
LZ2PS	LO	194	12.222	LZ2PS
UA5G	HI	188	12.220	RU3GF
F8CRS	LO	169	12.168	
YL3GAZ	HI	196	12.152	YL3GAZ
S54X	HI	184	12.144	S54X
LY2SA	HI	198	12.078	LY2SA
IK1BPL	HI	180	12.060	
YL2TD	HI	197	12.017	YL2TD
EA3FZT	LO	169	11.999	EA3FZT
V51YJ	HI	145	11.993	V51YJ
DL7VHP	LO	175	11.900	
DL6RAI	LO	197	11.820	
UA9R	QRP	147	11.797	
DK2FG	HI	187	11.781	DK2FG
S51ZJ	LO	175	11.725	S51ZJ

All Single Operator –CW World				
Call	P	QSO	Score	Operator
RD0A	HI	123	11.711	Y IN
HB9AZZ	HI	159	11.607	
RC9A	LO	149	11.550	RC9A
SP3CW	HI	180	11.520	SP3CW
EA7AAW	QRP	159	11.448	EA7AAW/QRP
YL2BJ	HI	193	11.387	
R3VL	LO	175	11.375	R3VL
RU6YJ	QRP	174	11.310	RU6YJ
LZ1DQ	LO	194	11.252	LZ1DQ
PA5KT	HI	158	11.218	PA5KT
K3UL	HI	121	11.001	K3UL
4Z1DZ	HI	107	10.994	4Z1DZ
DG7EE	LO	186	10.974	DG7EE
RO9A	HI	114	10.944	RO9A
Z32U	LO	156	10.920	
UI8C	LO	156	10.878	
UN7CN	LO	133	10.829	UN7CN
UX1CL	LO	148	10.804	
F5JU	LO	150	10.800	F5JU
YL3JD	HI	180	10.800	YL3JD
PY2KC	LO	144	10.790	PY2KC
W1GD	HI	102	10.738	W1GD
DJ0YZ	LO	160	10.560	
G4ERW	HI	155	10.540	G4ERW
R7AC	HI	162	10.530	
UA9XF	LO	167	10.521	
OK1FCA	LO	157	10.519	OK1FCA
SP5AUY	HI	148	10.508	SP5AUY
UX8IW	QRP	150	10.500	UX8IW
RM7C	LO	159	10.494	
OM5KM	HI	172	10.492	OM5KM
LY2AX	HI	152	10.488	LY2AX
HA8FD	LO	156	10.452	HA8FD
EI8GP	LO	156	10.452	EI8GP
R4WAE	LO	174	10.440	R4WAE
9A1AA	HI	163	10.432	
LY5T	LO	171	10.431	LY5T
F5PHY	HI	162	10.368	F5PHY
DM5DM	HI	167	10.354	DM5DM
RJ9J	HI	141	10.348	RJ9J
R3RK	HI	175	10.325	R3RK

All Single Operator –CW World				
Call	P	QSO	Score	Operator
RU6MO	HI	181	10.317	RU6MO
UW1WU	LO	149	10.281	UW1WU
HG6C	QRP	157	10.205	HA6IAM
GW4J	HI	136	10.200	GW0ETF
RL3T	HI	172	10.148	RL3T
LZ1MC	LO	163	10.106	LZ1MC
9A4W	LO	153	10.098	
CU2KG	HI	132	10.032	OH2BH
SP2KAC	HI	166	9.960	SP2KAC
SP2HMT	HI	157	9.891	
HF5WIM	QRP	160	9.760	HF5WIM
SN1D	HI	160	9.760	SP1GZF
9A2EY	LO	173	9.688	9A2EY
DM2RN	LO	146	9.636	DM2RN
HB0/DL5YM	HI	143	9.581	
RN4SC	LO	149	9.536	RN4SC
RT2F	LO	171	9.405	RT2F
LZ2GS	LO	154	9.394	LZ2GS
GW4W	QRP	136	9.384	GW4EVX
LY4BF	LO	177	9.381	LY2BBF
SP2FAP	HI	156	9.360	
E21EIC	HI	101	9.338	E21EIC
OK2QX	LO	133	9.310	OK2QX
UT1WW	LO	135	9.180	
DL4DRW	LO	136	9.112	
IK1RGK	LO	130	9.100	
OE6MMD	HI	137	9.042	OE6MMD
OK1DVA	LO	141	9.024	
G3SVK	LO	136	8.976	G3SVK
DK4LX	HI	157	8.949	DK4LX
IT9RZU	LO	113	8.927	IT9RZU
R4WZ	LO	147	8.820	
EW1TZ	LO	151	8.758	EW1TZ
K1GQ	HI	97	8.721	
UX5UO	HI	132	8.712	
HB9EBC	HI	136	8.704	(EX SM0TXM)
JA6GCE	HI	85	8.670	JA6GCE
RN9RF	LO	128	8.648	
DL5ARM	LO	146	8.614	DL5ARM
IV3KKW	HI	130	8.580	
S51W	HI	155	8.525	S51W

All Single Operator –CW World				
Call	P	QSO	Score	Operator
GM4JYB	LO	144	8.496	GM4JYB
LZ8E	HI	146	8.468	LZ2BE
SQ3WW	HI	135	8.370	SQ3WW
EU1AI	HI	149	8.344	
UA3YDI	LO	132	8.316	
SV1ENG	HI	200	8.200	SV1ENG
DL1RTL	LO	141	8.178	
ES3RF	LO	153	8.109	ES3RF
DM5WGL	LO	135	8.100	
AE2W	HI	79	7.975	
F6CWA	QRP	142	7.952	
N5AW	HI	105	7.950	N5AW
DL6NBS	LO	139	7.923	DL6NBS
OK6OK	QRP	139	7.923	OK6OK
YL0A	QRP	144	7.920	YL2KA
PA2W	LO	123	7.872	PA2W
OE1CIW	LO	123	7.872	
IK0PXD	LO	131	7.860	
YU7KW	HI	118	7.788	
E77EA	LO	132	7.788	
DM6EE	LO	111	7.770	DM6EE
UT8AQ	LO	127	7.747	
HB9CIC	LO	140	7.700	HB9CIC
IV3DXW	HI	135	7.695	IV3DXW
ON7XN	LO	123	7.626	ON7XN
RD3ARU	QRP	141	7.614	RD3ARU
DL1DTL	HI	142	7.526	
UY7RR	QRP	119	7.497	UY7RR
UA9SMU	LO	86	7.482	UA9SMU
DM3M	LO	136	7.480	DM3XRF
YL3GQ	LO	136	7.480	YL3GQ
R5FQ	QRP	136	7.480	R5FQ
RD1A	HI	115	7.475	
5Z4VJ	LO	98	7.440	5Z4VJ
US3EW	LO	135	7.425	
IV3DRP	QRP	137	7.398	
R4WT	LO	121	7.381	R4WT
ON1DX	LO	149	7.301	ON1DX
YO4FPF	LO	128	7.296	YO4FPF
OK2ZV	LO	137	7.261	
OK2ABU	LO	119	7.259	

All Single Operator –CW World				
Call	P	QSO	Score	Operator
IK2A00	LO	139	7.228	IK2A00
YO4SI	LO	111	7.215	YO4SI
UY5TE	LO	130	7.150	UY5TE
F6FTB	QRP	127	7.112	F6FTB
JN1THL	HI	103	7.084	JN1THL
SP2XX	HI	132	6.996	
RA9AP	LO	148	6.952	RA9AP
EU1ST	LO	141	6.909	EU1ST
RG2M	LO	123	6.888	RG2M
UA3UBT	HI	109	6.867	
F6GGA	LO	127	6.858	F6GGA
EA8DIG	HI	95	6.815	EA8DIG
LY2MC	HI	126	6.804	LY2MC
UR2VA	LO	138	6.762	UR2VA
DL/YL3GX	LO	120	6.720	DL/YL3GX
YO6FGZ	LO	120	6.720	YO6FGZ
R1AO	HI	134	6.700	R1AO
UT3UV	HI	108	6.696	UT3UV
CT1ELZ	LO	117	6.669	CT1ELZ
R5FP	LO	122	6.588	R5FP
RA7R	LO	149	6.556	RA7R
G3ZGC	HI	115	6.555	G3ZGC
R3LC	HI	119	6.545	R3LC
JE1NVD	HI	129	6.525	JE1NVD
UT3EV	LO	163	6.520	
RV6AA/P	LO	133	6.517	
9A1CFR	HI	166	6.474	9A2NO
RX9CC	QRP	81	6.440	
UR4LIN	LO	116	6.380	
DL2LRT	LO	116	6.380	
W4PM	HI	83	6.345	W4PM
UA9CHL	QRP	100	6.336	UA9CHL
OK1KTI	HI	114	6.270	OK1KTI
OK1FMG	LO	110	6.270	
K4RUM	HI	94	6.248	K4RUM
DJ1MM	LO	111	6.216	DJ1MM
N9EN	HI	107	6.210	N9EN
RL6MF	LO	121	6.171	RL6MF
HA8TP	HI	154	6.160	HA8TP
PA7RA	LO	108	6.156	PA7RA
RA9MX	HI	62	6.138	RA9MX

All Single Operator –CW World				
Call	P	QSO	Score	Operator
OM8VL	LO	118	6.136	OM8VL
UA6AA	HI	146	6.132	UA6AA
IT9ESW	HI	85	6.120	
UD4W	LO	122	6.100	
DJ3RA	HI	122	6.100	DJ3RA
SP3HLM	HI	98	6.076	
SV5/DL3DRN	LO	108	6.048	DL3DRN
YL2EM	QRP	123	6.027	YL2EM
UA5R	LO	115	5.980	UA5R
IK2UEX	LO	127	5.969	
UN7LZ	HI	157	5.966	
9A4LW	QRP	101	5.959	9A4LW
RN3S	LO	96	5.952	
DL9SEV	LO	104	5.928	DL9SEV
ZL2AGY	HI	76	5.928	
N3UA	LO	113	5.895	N3UA
UT5C	LO	107	5.885	UT5C
PG7M	LO	98	5.880	PG7M
W1ARY	LO	79	5.852	W1ARY
YO4AAC	LO	136	5.848	YO4AAC
PG7R	LO	102	5.814	PG7R
GM0WED	LO	114	5.814	GM0WED
ON5WL	HI	114	5.814	ON5WL
OM2DT	LO	105	5.775	OM2DT
YO4GO	LO	117	5.733	YO4GO
F6HHR	QRP	106	5.724	
DL8TG	QRP	108	5.724	DL8TG
UA1OM	LO	130	5.720	
RN4SS	LO	104	5.720	RN4SS
PA2PKZ	LO	100	5.700	PA2PKZ
PE2K	QRP	116	5.684	PE2K
OK1HCG	HI	111	5.661	
R6CW	HI	113	5.650	R6CW
UR7GO	HI	99	5.643	UR7GO
RK4NB	LO	102	5.610	RK4NB
EA1CS	LO	110	5.610	EA1CS
HG6Y	HI	96	5.568	
RK2M	LO	105	5.565	RK2M
RG2Y	HI	109	5.559	
JE4MHL	LO	88	5.520	JE4MHL
S5/M0MPM	LO	96	5.472	S5/M0MPM

All Single Operator –CW World				
Call	P	QSO	Score	Operator
IK4MTF	LO	105	5.460	
EB5F	HI	124	5.456	EB5F
OK1KDN	QRP	109	5.450	
RT5Q	HI	121	5.445	
PA0CT	LO	102	5.406	PA0CT
DL8MBS	QRP	107	5.350	DL8MBS
DL5XJ	LO	144	5.328	
DL5SDN	LO	102	5.304	
OL3E	LO	106	5.300	OK1JOC
ZD7BG	HI	104	5.280	ZD7BG
LY5O	HI	110	5.280	LY5O
HG7J	QRP	101	5.252	
R9CX	LO	71	5.236	R9CX
LZ1VKD	LO	145	5.220	LZ1VKD
LZ3V	HI	127	5.207	LZ1NY
ES3BH	LO	115	5.175	
DK5ZX	LO	103	5.150	DK5ZX
LZ2FN	LO	100	5.100	LZ2FN
E72U	LO	100	5.100	E72U
R9QQ	LO	80	5.092	
PA0GJV	LO	96	5.088	PA0GJV
K8IA	HI	87	5.080	K8IA
G4RCG	HI	94	5.076	G4RCG
PE1EEC	LO	94	5.076	PE1EEC
RD1T	LO	103	5.047	RD1T
PB0ACU	LO	97	5.044	PB0ACU
WJ2D	HI	107	5.043	WJ2D
SP2MKI	LO	147	4.998	SP2MKI
RM7F	QRP	113	4.972	RM7F
IT9SSI	HI	108	4.968	
DL9MWG	LO	108	4.968	DL9MWG
ON6LO	LO	95	4.940	
VA2EBI	HI	126	4.914	VA2EBI
EA3AKA	HI	89	4.895	EA3AKA
N5ZO	HI	60	4.884	N5ZO
UV2IZ	QRP	84	4.872	UV2IZ
PG3N	HI	99	4.851	PG3N
DL2NFC	HI	99	4.851	
RN5AA	LO	95	4.845	
OK2PIM	LO	89	4.806	
OE5CYL	LO	98	4.802	OE5CYL

All Single Operator –CW World				
Call	P	QSO	Score	Operator
HA8EN	LO	132	4.752	
N6ZFO	HI	60	4.736	N6ZFO
RV3YR	LO	86	4.730	
RT5P	LO	84	4.704	RT5P
SV9RNG	LO	92	4.692	SV9RNG
OK4MM	HI	99	4.653	OK4MM
MM3N	HI	99	4.653	GM4SID
K3IE	HI	115	4.644	K3IE
M4N	LO	98	4.606	G4IZZ @G4IZZ
SQ2RH	QRP	98	4.606	SQ2RH
SN5WD	LO	104	4.576	SO5WD
HA3OU	HI	97	4.559	HA3OU
DF6QE	LO	84	4.536	DF6QE
RW9AV	LO	105	4.515	RW9AV
DL2LDE	HI	125	4.500	DL2LDE
YB4HQ	LO	69	4.485	YB4HQ
OM7AT	LO	95	4.465	
SO0N	HI	87	4.437	SQ9CNN
DJ1XT	QRP	93	4.371	DJ1XT
YL2EA	LO	95	4.370	YL2EA
EW8OM	HI	84	4.368	
PA3EWG	LO	97	4.365	PA3EWG
UA6AK	HI	121	4.356	
VE9CB	HI	62	4.346	VE9CB
W2CDO	HI	79	4.329	W2CDO
GD4EIP	HI	92	4.324	GD4EIP
F5TRB	LO	90	4.320	F5TRB
F5PBM	LO	100	4.300	
EW8G	QRP	102	4.284	EW8G
SP9R	LO	97	4.268	SP9BRP
GM3ZRT	LO	99	4.257	GM3ZRT
OE1TKW	LO	90	4.230	
PA3ARM	LO	100	4.200	PA3ARM
PG2AA	LO	93	4.185	PG2AA
UR7VA	LO	104	4.160	
F5IND	LO	90	4.140	F5IND
M8A	HI	88	4.136	M0HDF
PA2DK	LO	81	4.131	PA2DK
HB9HQX	LO	86	4.128	HB9HQX
DK3WN	LO	103	4.120	DK3WN
DF6RI	LO	98	4.116	DF6RI

All Single Operator –CW World				
Call	P	QSO	Score	Operator
EA2KV	LO	93	4.092	EA2KV
RN2FQ	HI	95	4.085	RN2FQ
SP5UFK	LO	85	4.080	SP5UFK
PA5WT	HI	97	4.074	PA5WT
JA6BZI	HI	104	4.060	JA6BZI
M0VCP	LO	92	4.048	M0VCP
OT5Q	HI	119	4.046	OT5Q
UT5EOX	QRP	84	4.032	
UY3AW	HI	82	4.018	UY3AW
RV3DBK	QRP	103	4.017	RV3DBK
IK7RVY	LO	100	4.000	
DL3CX	LO	88	3.960	DL3CX
PA0JED	HI	90	3.960	PA0JED
RD3FT	LO	86	3.956	
S52WW	HI	91	3.913	S52WW
OM7SR	LO	93	3.906	OM7SR
CT7AUP	HI	81	3.888	CT7AUP
ON7CC	QRP	77	3.850	ON7CC
Z61DX	HI	104	3.848	Z61DX
TA4CS	LO	62	3.816	TA4CS
F5PAL	HI	112	3.808	F5PAL
RN3T	HI	100	3.800	UA3TW
IZ6BXQ	LO	76	3.800	
WO4O	HI	103	3.708	WO4O
K6NA	HI	56	3.696	K6NA
OK1MMN	LO	71	3.692	OK1MMN
K5ZD	HI	49	3.686	K5ZD
N7ZZ	LO	71	3.663	N7ZZ
YL3AD	QRP	114	3.648	YL3AD
SP7OGP	LO	113	3.616	SP7OGP
SP3VT	HI	112	3.584	
PA9M	LO	79	3.555	PA9M
OK5SA	LO	104	3.536	
LY2J	LO	97	3.492	LY2J
US5VX	QRP	87	3.480	US5VX
W3AKD	HI	40	3.480	W3AKD
M5P	LO	91	3.458	M5BIR
M5G	LO	80	3.440	G3PLE
DL7YS	LO	74	3.404	
ON5ZZ	LO	81	3.402	ON5ZZ
DJ4WT	LO	87	3.393	



All Single Operator –CW World				
Call	P	QSO	Score	Operator
YL2NK	LO	75	3.375	YL2NK
UR4MF	LO	102	3.366	
RA4L	LO	101	3.333	RA4L
K7GK	HI	57	3.333	K7GK
DJ4MX	LO	68	3.332	
IW3ILM	QRP	90	3.330	IW3ILM
R4HM	HI	100	3.300	R4HM
JQ3ALW	HI	68	3.286	
IK2NUX	LO	88	3.256	
SP2MKT	LO	105	3.255	SP2MKT
R1QE	LO	81	3.240	R1QE
BG4NMT	LO	70	3.234	BG4NMT
DF3CE	LO	70	3.150	DF3CE
RU0LL	HI	101	3.131	RU0LL
YO8ST	LO	89	3.115	YO8ST
R7MW	HI	97	3.104	
VE3TM	LO	77	3.094	VE3TM
UA9JNT	LO	73	3.090	UA9JNT
RM0F	HI	93	3.069	RM0F
OK1PFM	LO	73	3.066	
RK9DO	HI	95	3.040	RK9DO
F5ROX	LO	74	3.034	
YB2MM	LO	65	3.026	YB2MM
OM5MX	LO	78	2.964	OM5MX
DK4CU	QRP	78	2.964	
K0EA	LO	79	2.958	K0EA
YL2HB	HI	82	2.952	
PD1RP	LO	86	2.924	PD1RP
UA3GDU	QRP	68	2.924	UA3GDU
OM6TU	LO	73	2.920	OM6TU
YO4TL	QRP	73	2.920	
DH1NBE	HI	71	2.911	DH1NBE
PA2A	LO	71	2.911	PA2A
EA4FME	LO	66	2.904	EA4FME
ZL1IF	HI	40	2.900	ZL1IF
IW2EVH	HI	63	2.898	IW2EVH
OK8KM	LO	76	2.888	OK8KM
YO9GR	LO	90	2.880	YO9GR
WH7T	HI	60	2.880	WH7W
RV100	HI	70	2.870	
SP9KJU	LO	70	2.870	SP9MDY

All Single Operator –CW World				
Call	P	QSO	Score	Operator
DK5WO	LO	79	2.844	DK5WO
DL7LX	LO	67	2.814	DL7LX
PA1BBO	LO	72	2.808	PA1BBO
RM8Y	QRP	62	2.784	RW9Y
W5GN	HI	75	2.784	W5GN
9A3TU	LO	73	2.774	9A3TU
DL7UXG	HI	89	2.759	
AJ1AJ	HI	49	2.739	AJ1AJ
9A3EZ	HI	88	2.728	
VE1ANU	HI	44	2.720	VE1ANU
RA9JM	HI	97	2.716	RA9JM
4L8A	HI	42	2.700	4L8A
DM7CW	LO	99	2.673	
DK3GI	HI	72	2.664	
R2ATC	HI	68	2.652	R2ATC
R9SS	LO	50	2.604 / R9SS 1	
IK6QRH	LO	66	2.574	
K7WP	HI	46	2.552	K7WP
N9NA	HI	45	2.550	N9NA
SV1CEI	LO	62	2.542	
M0ORY	QRP	62	2.542	M0ORY
RW3VM	LO	90	2.520	RW3VM
PD0ME	LO	74	2.516	PD0ME
OK2GU	LO	61	2.501	OK2GU
RW3AI	QRP	61	2.501	
YU1ML	LO	67	2.479	
IV3ELR	LO	65	2.470	IV3ELR
UA6ARR	LO	85	2.465	UA6ARR
PA3HCC	LO	72	2.448	PA3HCC
IK3SCB	HI	74	2.442	IK3SCB
HB9IQB	HI	66	2.442	
SP2FWC	LO	66	2.442	
HS8HEX	LO	62	2.436	HS8HEX
UG4A	LO	83	2.407	LY AMOV
OK1FKD	QRP	49	2.401	
PC1PM	LO	75	2.400	PC1PM
M0SEV	LO	96	2.400	M0SEV
K1TH	HI	38	2.400	K1TH
E29TGW	LO	49	2.349	E29TGW
SO4P	HI	81	2.349	SP4DEU
G0AJJ	LO	65	2.340	G0AJJ

All Single Operator –CW World				
Call	P	QSO	Score	Operator
YO5ODT	LO	66	2.310	YO5ODT
OE120BKC	HI	56	2.296	
R7GU	HI	76	2.280	R7GU
UB8A	LO	41	2.233	UB8A
OE1XA	HI	60	2.220	OE1EPU
DJ3GE	LO	60	2.220	DJ3GE
E21YDP	LO	49	2.212	E21YDP
DF7XR	QRP	67	2.211	
RK4K	LO	61	2.196	UA4HGL
DL5CC	LO	73	2.190	DL5CC
IZ3GNG	HI	59	2.183	
PY3TD	LO	59	2.183	PY3TD
DL4VK	LO	68	2.176	DL4VK
ON3ND	LO	75	2.175	
IZ3ZBP	HI	62	2.170	
RA4AR	HI	77	2.156	
PG6F	LO	61	2.135	PA0GRU
ON9TT	LO	61	2.135	ON9TT
DJ9SN	LO	70	2.100	
DF5SI	HI	56	2.072	DF5SI
4Z4KX	LO	36	2.052	4Z4KX
RW3AG	HI	76	2.052	
PA3DBS	LO	57	2.052	PA3DBS
ZL3P	HI	34	2.040	ZL3PAH
UR5R	HI	58	2.030	UT0RM
YO4BEX	LO	63	2.016	YO4BEX
DL1HUH	HI	63	2.016	
R9AE	HI	65	2.015	R9AE
US3LX	LO	53	2.014	
HA5TI	HI	50	2.000	
EA5DD	LO	51	1.989	EA5DD
RA1QD	HI	60	1.980	RA1QD
VE2FK	HI	76	1.976	VE2FK
S55N	LO	56	1.960	S55N
R3IBT	QRP	56	1.960	R3IBT
G0JOS	LO	63	1.953	G0JOS
KI6RRN	HI	36	1.944	@WA6TQT
UY3MW	LO	51	1.938	
F5ICC	LO	69	1.932	F5ICC
LZ1GE	LO	71	1.917	LZ1GE
PC4Y	LO	58	1.914	PC4Y

All Single Operator –CW World				
Call	P	QSO	Score	Operator
DL9ZP	LO	67	1.876	DL9ZP
UA0DAR	HI	42	1.872	UA0DAR
HA9RC	LO	72	1.872	HA9RC
DL9GMC	LO	69	1.863	
VE3VN	LO	49	1.863	VE3VN
DL1DQJ	LO	53	1.855	
IU6FUB	LO	56	1.848	
IK0OKY	LO	65	1.820	IK0OKY
EA5O	HI	65	1.820	EA5O
UA1AUW	LO	60	1.800	UA1AUW
UI3A	HI	58	1.798	UI3A
PC5D	QRP	56	1.792	PC5D
IK0NOJ	LO	52	1.768	
VK2GR	HI	51	1.764	VK2GR
EB5A	HI	45	1.755	EB5A
OK2LF	LO	53	1.749	
SP5WAZ	LO	52	1.716	SP5WAZ
SP2FOV	QRP	66	1.716	SP2FOV
OM5VS	HI	50	1.700	OM5VS
IK5MEP	LO	60	1.680	
IZ3NVR	QRP	62	1.674	IZ3NVR
G3RTU	LO	48	1.632	G3RTU
DL2AXM	LO	48	1.632	DL2AXM
9A9J	LO	45	1.620	9A7ZZ
UT1IM	LO	60	1.620	
JA1MZM	LO	62	1.612	JA1MZM
SV1MO	LO	62	1.612	
G3YJQ	LO	67	1.608	G3YJQ
OK2SGY	LO	50	1.600	OK2SGY
PD7CJT	LO	57	1.596	PD7CJT
PA0VLA	QRP	55	1.595	PA0VLA
N4ZR	HI	49	1.581	N4ZR
9M2A	LO	29	1.577	9M2LAN
UW3HM	LO	49	1.568	UW3HM
US6EX	LO	46	1.564	US6EX
ON6PJ	QRP	52	1.560	ON6PJ
DL8UKE	LO	47	1.551	
SP1JQJ	HI	62	1.550	SP1JQJ
PA0WKI	LO	50	1.550	PA0WKI
9M2ZAK	LO	35	1.541	9M2ZAK
JH3SIF	LO	64	1.536	

All Single Operator –CW World				
Call	P	QSO	Score	Operator
DK3CC	LO	51	1.530	
DA3T	LO	61	1.525	DL8DXL
PD0JMH	QRP	49	1.519	PD0JMH
R1NW	LO	47	1.504	
RA5AQ	LO	50	1.500	RA5AQ
G4OZG	QRP	50	1.500	G4OZG
DJ8RS	LO	57	1.482	DJ8RS
LY2BAA	LO	47	1.457	LY2BAA
OK1DKE	LO	66	1.452	OK1DKE
SN4D	LO	50	1.450	SP4GAP
CR6BWW	LO	45	1.440	CR6BWW
OM5CM	LO	55	1.430	
DL4AC	LO	55	1.430	DL4AC
G4ENZ	QRP	51	1.428	G4ENZ
IK5BDG	LO	52	1.404	
PA3OES	HI	48	1.392	PA3OES
K9NW	LO	27	1.387	K9NW
OK2SLS	QRP	42	1.386	
EA6NB	LO	46	1.380	
JF2OZH	HI	57	1.368	JF2OZH
RX1AG	LO	65	1.365	RX1AG
EA3NO	LO	47	1.363	EA3NO
DH0JAE	LO	52	1.352	
VE3FJ	HI	54	1.350	VE3FJ
BD3TE	QRP	34	1.320	BD3TE
EA1IQM	LO	44	1.320	EA1IQM
DG0KS	HI	59	1.298	DG0KS
LZ1KZ	LO	48	1.296	LZ1KZ
N8BJQ	HI	48	1.296	N8BJQ
SN0R	LO	48	1.248	SQ9IAU
IU6AIG	LO	43	1.247	
OK2QA	HI	49	1.225	OK2QA
HB9BGF	LO	47	1.222	HB9BGF
NG0T	HI	27	1.219	NG0T
IZ5IMB	LO	55	1.210	IZ5IMB
DL5KVV	HI	48	1.200	DL5KVV
VE9OA	HI	36	1.200	VE9OA
IK4XQT	LO	52	1.196	IK4XQT
UA4FDL	LO	44	1.188	UA4FDL
PA2VS	LO	54	1.188	PA2VS
JR2PMT	HI	35	1.173	

All Single Operator –CW World				
Call	P	QSO	Score	Operator
JG1LFR	HI	24	1.152	
PE1HWO	LO	41	1.148	PE1HWO
CX2BR	HI	24	1.134	CX2BR
YB9UA	LO	36	1.134	YB9UA
DF5BX	HI	45	1.125	DF5BX
JA7GYP	HI	46	1.104	JA7GYP
UA0UV	HI	50	1.100	UA0UV
W6YA	HI	45	1.080	W6YA
DF7OA	LO	49	1.078	
F1IKA	LO	41	1.066	
3Z8Z	LO	41	1.066	3Z8Z
DL2MM	LO	44	1.056	DL2MM
HK5NLJ/3	LO	26	1.056	HK5NLJ/3
US1IV	HI	42	1.050	
EA3CWT	LO	42	1.050	EA3CWT
N3CKI	LO	38	1.050	N3CKI
IK4VET	HI	36	1.044	
VE5MX	HI	40	1.040	VE5MX
JH1JNJ	HI	39	1.034	
UR5CC	LO	43	1.032	UR5CC
JH7UJU	QRP	42	1.012	
US7IGN	LO	44	1.012	US7IGN
4Z5LU	LO	37	999	4Z5LU
PA3EVY	LO	34	986	PA3EVY
DL7UKT	QRP	36	972	DL7UKT
BG8PM	LO	32	968	BG8PM
DK9ZE	LO	38	950	DK9ZE
K4WW	HI	43	946	K4WW
SP4AAZ	LO	47	940	SP4AAZ
RW9MZ	LO	49	931	
EA5IFY	LO	37	925	EA5IFY
E78CB	LO	44	924	
YO4FZX	LO	34	918	YO4FZX
S52ON	LO	41	902	S52ON
AC7JW	HI	26	900	AC7JW
UN7EV	LO	41	893	UN7EV
SP9VFX	QRP	35	875	
JA6FFK	LO	43	860	
R1LN	LO	37	851	
JK8PBO	LO	44	836	
IW1CHX	QRP	38	836	

All Single Operator –CW World				
Call	P	QSO	Score	Operator
DL6SRD	HI	33	825	
JA2AXB	LO	43	817	JA2AXB
DK3WW	HI	34	816	DK3WW
ZL2AYZ	HI	23	816	ZL2AYZ
DQ5M	LO	35	805	DK6SP
EA8DHV	HI	32	800	EA8DHV
EA2CAR	QRP	36	792	
IN3OWY	LO	34	782	IN3OWY
DL3GJ	LO	39	780	DL3GJ
VU2DED	HI	41	779	VU2DED
JA1AYO	HI	29	777	
PC7E	LO	37	777	PC7E
IZ8DVD	HI	32	768	IZ8DVD
Z32ZZZ	LO	32	768	Z32ZZZ
R7MT	QRP	32	768	R7MT
K0VXU	HI	20	768	K0VXU
JG1EIQ	LO	42	756	JG1EIQ
RM1F	LO	36	756	
OM6TX	LO	36	756	OM6TX
AI6O	LO	30	756	AI6O
SP2DKI	LO	37	740	SP2DKI
PA0RRS	LO	33	726	PA0RRS
RK1NA	LO	33	726	RK1NA
R1CX	LO	36	720	R1CX
JE1RZR	LO	37	703	JE1RZR
VK2OXZ	HI	37	703	VK2OXZ
JK1JAS	LO	21	700	
JA1GQC	LO	33	700	
UN8GA	HI	41	697	UN8GA
N2YO	HI	21	693	N2YO
HS8NKB	LO	38	684	HS8NKB
JF2FIU	HI	34	680	
EA2SN	LO	32	672	EA2SN
RM2P	LO	29	667	
JR6CSY	HI	37	666	
DL1BZA	LO	37	666	DL1BZA
YB2IQ	HI	29	665	YB2IQ
K3AU	HI	17	663	K2YWE
OK2BLD	LO	34	646	OK2BLD
G4BSW	HI	29	638	G4BSW
OE5FDM	LO	30	630	OE5FDM

All Single Operator –CW World				
Call	P	QSO	Score	Operator
IK2AUK	LO	30	630	
DL0GEO	LO	35	630	DL2YAK
VA3TNM	HI	33	627	
UA3PP	QRP	36	612	AI KOV
DM1BM	HI	29	609	
PA3EZC	HI	40	600	PA3EZC
ES1BH	HI	30	600	ES1BH
DK4EF	LO	30	600	DK4EF
UA0SBQ	QRP	35	595	
IT9BLB	HI	27	594	
DL2VN	LO	29	580	
K4BAI	HI	23	580	K4BAI
IK2GZU	HI	32	576	IK2GZU
DL3RDM	LO	26	572	
NJ4Q	LO	20	570	NJ4Q
VK2PN	HI	31	561	VK2PN
PY7XC	HI	28	560	PY7XC
K3TW	QRP	27	558	K3TW
DK8ZZ	HI	25	550	
JA2HYD	HI	32	544	
JH6QIL	LO	30	540	CHI OTO
WA8MDC	LO	17	533	WA8MDC
JH6WHN	LO	28	532	JH6WHN
UT7ZM	HI	28	532	UT7ZM
IS0LYN	LO	28	532	
9A5MPV	QRP	33	528	9A5MPV
DK5WN	LO	31	527	
TA3DJ	LO	16	510	
G0IBN	HI	34	510	G0IBN
BG3ILY	LO	16	504	BG3ILY
JH1MTR/4	LO	33	495	
W4NZ	HI	29	493	W4NZ
CT7/PA3GCU	HI	27	486	CT7/PA3GCU
YL2LW	HI	27	486	YL2LW
UT7MR	LO	27	486	UT7MR
EA3X	HI	24	480	EA3X
K8LX	HI	18	476	K8LX
DL4DZ	LO	25	475	DL4DZ
DL2DRM	LO	25	475	
JK7DWD	QRP	31	465	
NT6X	HI	15	451	NT6X

All Single Operator –CW World				
Call	P	QSO	Score	Operator
JA2GHP	LO	27	432	JA2GHP
PA7KY	LO	24	432	PA7KY
PY4ARS	LO	19	425	
BG6GQE	HI	28	420	BG6GQE
PA0MIR	HI	30	420	PA0MIR
DG6UAX	LO	22	418	DG6UAX
DL1JHW	LO	26	416	DL1JHW
JJ1QLT	HI	27	405	
UF1A	LO	25	400	
W3IQ	LO	23	391	W3IQ
4K9W	LO	13	390	
OK1FIA	LO	26	390	OK1FIA
IN3HUU	LO	21	378	
SP9MZH	QRP	21	378	SP9MZH
DF3IAL	QRP	27	378	SM6CNN
YD2UWF	LO	14	378	YD2UWF
K2NV/2	LO	17	375	K2NV/2
YB1UUN	LO	25	375	YB1UUN
PA2CHM	LO	34	374	PA2CHM
JG1LHB	HI	23	368	
G1SCT	HI	28	364	G1SCT
US1UU	QRP	20	360	US1UU
JE6LZN	LO	22	352	
IK8YJQ	LO	22	352	
W9ILY	HI	20	340	W9ILY
JA6CVR	LO	24	336	
EA5ITT	LO	21	336	
YO5DBM	QRP	21	336	YO5DBM
N4QS	HI	21	336	N4QS
9A2EU	HI	18	324	9A2EU
UA3DSN	HI	23	322	
UA3X	LO	20	320	UA3X
AC5XK	LO	16	308	
RT6N	LO	20	300	
F4GFT	LO	21	294	F4GFT
NK4O	LO	21	294	
JO7KMB	HI	11	290	
IT9VDQ	LO	17	289	IT9VDQ
SP6IHE	QRP	17	289	SP6IHE
N2JJ	HI	14	286	N2JJ
EA3DMN	LO	19	285	

All Single Operator –CW World				
Call	P	QSO	Score	Operator
VU2BQN	LO	13	275	VU2BQN
JA2KKA	LO	21	273	
JA1GZK	LO	10	270	
OK1DXW	LO	18	270	OK1DXW
HB9GFT	LO	18	270	HB9GFT
DK7OG	QRP	18	270	
JH1NXU	HI	22	264	
JA0BJY	LO	20	260	
RA3DGH	LO	18	252	
JA3XOG	HI	19	247	JA3XOG
VK7BO	HI	13	247	
DL4EAX	LO	16	240	DL4EAX
G0UCP	QRP	20	240	G0UCP
AI4WW	HI	18	240	AI4WW
W2YK	LO	10	240	W2YK
K5CKS	HI	17	238	K5CKS
JL1FAR	LO	18	234	
9A5YY	QRP	18	234	9A5YY
G4ETS	LO	21	231	G4ETS
DO7ES	LO	19	228	
PY2UDB	LO	19	228	PY2UDB
OM3WZ	QRP	15	225	OM3WZ
YV4ABR	LO	12	220	YV4ABR
G0SAC	LO	19	209	G4WGE
F5TYY	LO	17	204	F5TYY
JK7UST	LO	18	198	
JJ3TBB	LO	14	198	JJ3TBB
F5MA	LO	18	198	
DL6OZ	QRP	15	195	DL6OZ
K4MQM	LO	16	192	K4MQM
PY4XX	LO	8	192	PY4XX
KI2D	LO	13	187	KI2D
EW6F	LO	14	182	EW6GF
PT9DX	LO	14	182	PT9DX
OK5SWL	LO	16	176	OK2SWD
RG0A	LO	17	170	RG0A
PA8R	LO	13	169	PA8R
R3SM	LO	16	160	
N4NTO	LO	10	160	N4NTO
F6API	LO	14	154	F6API
JE8UHY	LO	16	144	JE8UHY

All Single Operator –CW World				
Call	P	QSO	Score	Operator
JH1BBT	HI	8	144	JH1BBT
AC6ZM	HI	8	144	AC6ZM
HI8A	LO	8	144	HI8A
JE1GWO	LO	13	143	
EC3AIT	HI	13	143	EC3AIT
BA3AX	LO	14	140	BA3AX
KE4S	HI	14	140	KE4S
K7RB	HI	10	140	K7RB
K8ZT	QRP	12	132	K8ZT
JF1TEU	LO	14	126	JF1TEU
IK1UGX	HI	12	120	
AB1KT	HI	12	120	AB1KT
JG3XDR	LO	13	117	
YB9GDP	LO	9	117	YB9GDP
JH9FCP	HI	14	112	
OK2SWD	HI	12	108	OK2SWD
SP9DUX	LO	12	108	SP9DUX
ON5IA	LO	12	108	ON5IA
DJ5KW	LO	12	108	
OL1AIY	LO	10	100	OK1DJS
DK1TBL	QRP	10	100	DK1TBL
JA3VOV	HI	7	91	JA3VOV
JS1NDM	HI	10	90	
DM7X	HI	10	90	DL1PAN
WB2AA	HI	6	90	WB2AA
DF1GRA	LO	11	88	DF1GRA
L33M	HI	9	88	LU3MAM
WA6URY	HI	7	85	WA6URY
EA5L	HI	9	81	
TA1TMY	QRP	10	80	
DF5DK	HI	10	80	DF5DK
DL8UKW	LO	10	80	DL8UKW
DL1HBT	LO	10	80	
KN4YRM	LO	5	75	KN4YRM
N7VS	LO	6	72	N7VS
DM5A	LO	10	70	DJ5NN
DL2PR	QRP	10	70	
IK2IKW	LO	8	64	IK2IKW
UA6ADC	LO	10	60	UA6ADC
KB4CG	LO	5	60	KB4CG
RQ9O	LO	8	56	RQ9O

All Single Operator –CW World				
Call	P	QSO	Score	Operator
JH1BHW	LO	8	56	
JE3EDJ	LO	8	56	
HL1VAU	LO	8	56	
DF7CP	LO	8	56	DF7CP
TA4RC	LO	7	49	TA4RC
JK1HIY	LO	7	49	
JE1ILP	QRP	7	49	
K5LY	HI	8	48	K5LY
RZ9A	HI	6	36	
RA3FD	LO	6	36	RA3FD
DO1PE	LO	6	36	DO1PE
CT/IZ5BBS	LO	6	36	
WH6LE	HI	6	36	WH6LE
NQ4K	LO	6	36	NQ4K
IK5OJB	LO	7	35	
N8FTB	HI	6	32	N8FTB
JK1BQC	LO	7	28	
IV3UHL	LO	5	25	
N5KO	HI	5	25	N5KO
RA9XSL	LO	5	20	RA9XSL
UA9XO	HI	4	16	UA9XO
SP5BN	LO	4	16	SP5BN
VK4TT	LO	4	16	VK4TT
W3WHK	LO	2	12	W3WHK
KP2/KJ0D	LO	2	12	KJ0D
VK3GK	HI	4	12	VK3GK
JN1GNL	LO	3	9	
DK6SP	LO	3	9	
YC9FAR	LO	2	8	YC9FAR
YB1MIG	LO	2	8	YB1MIG
JR7ASO	LO	3	6	
JR6KBF	LO	2	4	
JO1WIZ	LO	2	4	
JE8KKX	LO	2	4	
JM2RUV	QRP	2	4	
IK7UKF	LO	2	4	
K4VBM	LO	2	4	K4VBM
KC7V	HI	3	3	KC7V
JE1HXZ	LO	2	2	
WT8P	LO	2	2	WT8P
JG1WKM	LO	1	1	

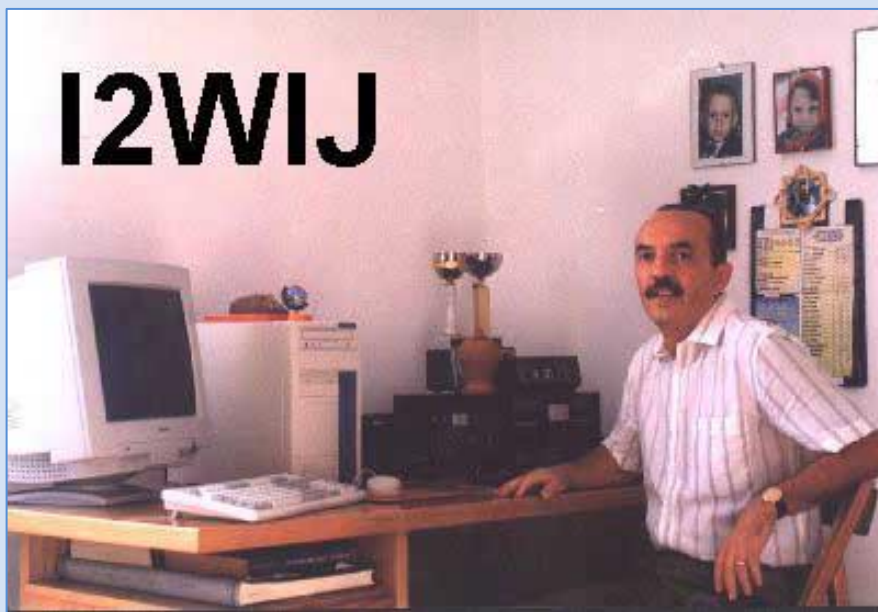
All Single Operator –CW World				
Call	P	QSO	Score	Operator
JR1NKN	QRP	1	1	JR1NKN
R2SAG	LO	1	1	R2SAG 2
OK7SE	LO	1	1	
DC1MBR	LO	1	1	

All Single Operator –CW World				
Call	P	QSO	Score	Operator
SV1GRN	QRP	1	1	SV1GRN
W7LG	LO	1	1	W7LG
VA3FN	LO	1	1	VA3FN
WQ6X	LO	0	0	WQ6X

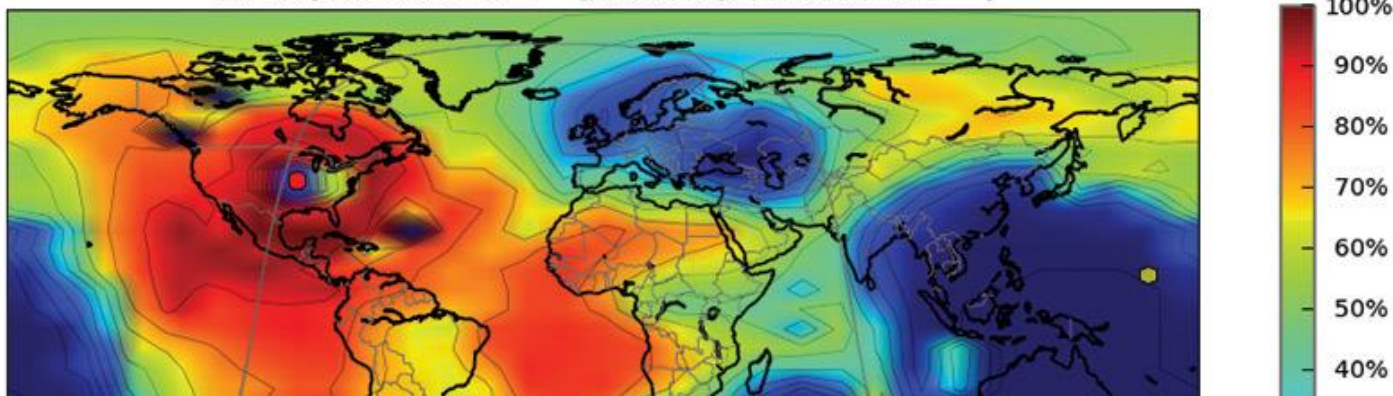
### All Multi Operator –CW World

Call	QSO	Score	Operators
HG7T	582	90.792	HA7TM HG5DX
LZ7A	378	43.470	LZ1AO LZ5EE LZ1RF
YP5A	272	23.936	YO5CBX YO5OLD
WB9Z	167	23.639	NV9L WB9Z
RK4HYT	249	21.165	A Y
RZ9L	201	19.778	R8LA R8LAM RO9L
9A7T	193	19.107	9A5MR 9A5B
W4RN	153	17.745	W4RN KU1CW

Call	QSO	Score	Operators
JG6YLY	156	13.780	JA6BXA JA6WFM
F8KLY	195	12.285	F6HJO F4HMX
VE9ML	83	11.925	VE9ML VE9BK
UW6M	163	11.736	UR2MR UY7MF RA7KY US2MT
HG52IEC	104	6.344	
HB9EP	78	2.262	HB9GFT HB9GZP HB9FBL HB9DQP
N1SOH	28	1.008	N1SOH W1FM



Jefferson City MO (38.57N, 92.17W), Apr, 01 UTC, 14.100 MHz, 80 W, SSN 39, Mode: CW  
 TX Ant: [voaant/d10m.ant ], RX Ants: [voaant/d10m.ant ]



# All Single Operator – SSB World

All Single Operator - SSB World				
Call	P	QSO	Score	Operators
5B4WN	HI	398	89.102	
LZ6E	HI	465	66.960	LZ1GU
HA3DX	HI	460	64.860	HA4XH
LY5W	HI	436	62.784	LY5W
YL7X	HI	400	58.400	YL2LY
LY9A	LO	396	57.024	
YP0C	HI	397	52.007	YO3CZW
EA8/OG60BBM	HI	312	50.140	OG60BBM
IT9FRX	LO	388	48.112	
DG9SEH	HI	375	45.375	DG9SEH
RL4A	HI	327	41.529	
E73PS	LO	346	40.828	
RA3OA	HI	323	37.145	RA3OA
PY5QW	HI	274	35.328	PY5QW
F5OHM	HI	334	33.066	
EO50FF	HI	319	32.857	UX0FF
IV3KKW	LO	300	30.300	
I2WJ	HI	275	29.975	
EA8DED	HI	233	29.234	OH2BP
LY5XX	LO	293	29.007	
SV3RPQ	LO	296	28.120	SV3RPQ
DG6SA	HI	290	27.840	DG6SA
EA3HJO	HI	267	26.700	EA3HJO
CT3IQ	LO	194	26.522	CT3IQ
OK2MBP	LO	257	23.901	OK2MBP
N9NC	HI	203	23.670	N9NC
HA3NU	HI	236	21.712	
SN7R	HI	249	21.663	SP7RFF
K3ZO	HI	183	21.414	
S57DX	HI	233	20.970	S57DX
ES3TI	HI	200	20.800	
LZ1JZ	LO	236	20.768	LZ1JZ
US5QRW	HI	214	20.758	
OE5TXF	HI	233	20.737	G3TXF
RZ3Z	LO	238	20.706	RZ3Z
CU2KG	HI	207	20.493	
PY2ZEA	HI	221	20.350	OH2MM
DL8AAE	HI	226	20.340	DL8AAE
PV2K	HI	217	20.244	PY2KNK
IX1HPN	HI	242	19.360	
YO4NF	HI	214	17.548	YO4NF
EA2A00/P	HI	208	17.472	EA2A00
UR4QFP	LO	213	17.466	UR4QFP
G0AJJ	LO	226	17.402	G0AJJ
OM4M	HI	223	17.394	OM4KK
IZ0VXY	LO	234	17.316	
S51CK	HI	240	17.280	
IU5ICR	LO	196	16.856	

All Single Operator - SSB World				
Call	P	QSO	Score	Operators
G9P	LO	198	16.434	
IT9FIQ	LO	212	16.324	
PC2K	HI	195	16.185	PC2K
UW7EF	LO	194	15.714	UW7EF
EA3FP	LO	180	14.040	EA3FP
2E0SPS	LO	167	14.028	2E0SPS
G3R	LO	173	13.667	G0CDA
DG5MLA	LO	186	13.206	
F6DRP	LO	185	13.135	F6DRP
K1AR	HI	158	12.780	
F1ADG	HI	175	12.600	
R3LC	LO	158	12.482	R3LC
IZ2ODM	HI	164	12.464	
LZ1DM	QRP	170	12.410	LZ1DM
IV3EAD	LO	149	12.367	
WX4G	HI	157	12.351	WX4G
UA9CUA	LO	197	12.214	
G4ERW	HI	148	11.840	G4ERW
9A9J	LO	187	11.781	9A7ZZ
LZ2ZY	LO	172	11.696	LZ2ZY
PY5AMF	HI	149	11.407	PY5AMF
IT9OPR	HI	176	11.088	
DJ9ZB	LO	169	10.985	DJ9ZB
EA5O	HI	138	10.764	EA5O
RZ9WU	HI	113	10.500	RZ9WU
UR5EDX	HI	161	10.465	UR5EDX
CT9ABN	LO	95	10.419	OM3RM
LZ1DQ	LO	160	10.400	LZ1DQ
IZ8EPX	LO	168	10.248	
PA3GVQ	HI	146	10.220	PA3GVQ
LZ1ND	LO	154	10.164	LZ1ND
N4RV	HI	127	10.143	N4RV
IK7ZLW	LO	131	9.956	
YO7ARZ	LO	155	9.920	YO7ARZ
LY2MM	HI	157	9.891	LY2MM
IU3BTY	HI	206	9.888	IU3BTY
UN8PT	LO	140	9.880	UN8PT
GW4BKG	HI	152	9.880	
OK10A	HI	139	9.869	OK10A
PJ4DX	HI	125	9.849	PJ4DX
HB9CIC	HI	157	9.734	HB9CIC
DH1PAL	LO	141	9.588	DH1PAL
IZ4AIF	QRP	131	9.563	
UF0B	HI	139	9.452	UF0B
KZ2I	HI	133	8.990	KZ2I
DK5WO	LO	134	8.978	DK5WO
DL8UV	LO	124	8.804	
ON5RZ	LO	130	8.710	ON5RZ



All Single Operator - SSB World				
Call	P	QSO	Score	Operators
PE0CD	LO	124	8.556	PE0CD
LY5GT	LO	138	8.418	LY5GT
MU0GSY	LO	151	8.305	MU0GSY
I4AUM	HI	129	8.256	
R4DI	QRP	121	8.107	
LY5AX	LO	115	7.935	LY5AX
PC1PM	LO	129	7.869	PC1PM
S52WW	HI	143	7.722	S52WW
F4HCK	LO	122	7.686	F4HCK
G3SWC	HI	120	7.680	G3SWC
TA3OER	LO	95	7.579	TA3OER
PA3EOU	LO	123	7.503	
EI3ENB	LO	123	7.503	EI3ENB
DL1NKS	HI	117	7.371	DL1NKS
F4IEX	LO	117	7.371	F4IEX
ON4BHQ	LO	114	7.296	ON4BHQ
SP3J	HI	132	7.260	
RN4HAB	LO	123	7.257	RN4HAB
G8S	LO	115	7.245	G4IDF
DL6MRM	LO	127	7.239	DL6MRM
PI4RCB	HI	118	7.080	PI4RCB
UX7MR	LO	110	7.040	UX7MR
G4POF	LO	119	6.902	G4POF
DL9HB	LO	115	6.900	
F1GRH	HI	112	6.832	F1GRH
DK7AM	HI	110	6.820	
9A2EY	LO	125	6.750	9A2EY
IU5KRE	LO	128	6.656	
DB7BN	HI	109	6.649	DB7BN
DL3ABY	LO	112	6.608	DL3ABY
R8KAY	LO	103	6.579	
IW0HEI	LO	106	6.572	
LY5I	LO	99	6.534	LY5I
DM5I	HI	107	6.527	DF3VM
IK4OMU	LO	148	6.512	IK4OMU
YO8RZJ	LO	122	6.466	YO8RZJ
DL2BDA	HI	113	6.441	DL2BDA
M0MCV	HI	115	6.440	M0MCV
IU0OVB	HI	111	6.438	IU0OVB
HG4I	HI	163	6.357	
R2EL	LO	111	6.327	R2EL
SP9ODM	LO	115	6.325	SP9ODM
ON5GM	LO	124	6.324	ON5GM
HB9HID	LO	117	6.318	HB9HID
SP8KM	LO	120	6.240	SP8KM
IK4RQJ	LO	86	6.192	
F6HHR	QRP	102	5.814	
I4ABG	LO	100	5.800	
M7TXR	LO	107	5.778	M7TXR
PH4E	LO	99	5.742	PH4E

All Single Operator - SSB World				
Call	P	QSO	Score	Operators
OE1HHB	LO	117	5.616	OE1HHB
PE1PIX	HI	107	5.564	PE1PIX
IZ8GNR	LO	111	5.550	
EA1T	LO	103	5.459	EA1T
LY3CY	HI	97	5.432	LY3CY
EI3CTB	LO	113	5.424	EI3CTB
YL3GAZ	HI	104	5.408	YL3GAZ
PA3AAV	HI	101	5.353	
SP9AB	LO	97	5.335	SP9AB
SN4D	LO	95	5.320	SP4GAP
OM1EE	LO	101	5.252	
K5ZD	HI	71	5.247	K5ZD
SV6NNZ/P	LO	95	5.225	SV6NNZ
PA2PKZ	LO	95	5.225	PA2PKZ
EA6ACF	LO	93	5.208	EA6ACF
DL/YL3GX	LO	102	5.202	YL3GX
OK2TS	LO	119	5.117	OK2TS
HB9HHN	LO	93	5.115	
SQ5DTL	LO	104	5.096	SQ5DTL
F6GPT	HI	97	5.044	F6GPT
OT3T	HI	91	5.005	ON7EQ
9A1CVG	HI	100	5.000	9A5OIA
OM8JP	LO	104	4.992	
GS8VL	HI	118	4.956	GM0AXY
IZ6DWH	LO	92	4.876	
UN6LN	LO	76	4.794	
TA3DE	LO	63	4.746	TA3DE
PC2F	QRP	96	4.704	PC2F
2E0EVM	LO	85	4.675	2E0EVM
IZ6JPK	QRP	94	4.606	
PE0CWK	LO	107	4.601	PE0CWK
PD5ISW	LO	104	4.576	PD5ISW
M7CDJ	LO	92	4.508	
DJ2VA	HI	88	4.400	DJ2VA
SP7O	HI	122	4.392	SP7O
I0MQV	HI	82	4.346	I0MQV
R6LBK	LO	85	4.250	R6LBK
US5QUB	HI	85	4.165	US5QUB
PA3MM	LO	94	4.136	PA3MM
2M0YTN	LO	82	4.100	
F4HGU	LO	105	4.095	F4HGU
IU7CUE	LO	73	4.088	
DL6RBO	HI	102	4.080	
VE9MWA	HI	85	3.995	VE9MWA
IU5HES	LO	90	3.960	
RW1CW	HI	79	3.950	RW1CW
IW0HLZ	LO	87	3.915	
YO4AAC	QRP	95	3.895	YO4AAC
F4FNT	HI	79	3.871	
SP1FRC	LO	79	3.871	

All Single Operator - SSB World				
Call	P	QSO	Score	Operators
RT2C	HI	84	3.864	RV3FF
DF9IX	LO	104	3.848	
UT1WW	LO	81	3.807	
YU5VUK	QRP	81	3.807	
IZ1RDQ	LO	74	3.774	
TA1API	HI	71	3.741	TA1API
DK5AV	HI	76	3.724	DK5AV
EB5CS	LO	73	3.723	EB5CS
PA0AWH	QRP	75	3.675	
YO3XX/P	LO	78	3.666	YO3XX
DL5MHK	LO	77	3.619	DL5MHK
DL4MFR	LO	67	3.618	
ZD7BG	HI	78	3.588	ZD7BG
EA5JDN	LO	73	3.577	EA5JDN
SP4BAO	LO	73	3.577	
RT2H	HI	67	3.551	
US1VM	LO	85	3.485	US1VM
JR3AAZ	HI	81	3.483	
4I1EBD	LO	79	3.476	4I1EBD
PD1TV	LO	97	3.395	PD1TV
ON6LR	LO	67	3.350	
OM5NL	LO	101	3.333	
RT5Q	HI	97	3.298	
TK4TH	LO	86	3.268	TK4TH
SP9KJU	LO	71	3.266	SP9MDY
PD8DX	LO	73	3.212	PD8DX
RN3T	HI	95	3.135	UA3TW
Z61DX	HI	87	3.132	Z61DX
IK4ZIF	LO	74	3.108	
HA3GO	HI	69	3.105	
N7ZZ	LO	69	3.105	N7ZZ
YO5PVZ	LO	64	3.072	YO5PVZ
AC4G	LO	73	3.066	AC4G
DH9DX/P	LO	85	3.060	
VE3TM	LO	68	3.060	VE3TM
ZS2ABE	HI	78	3.040	ZS2ABE
E25KAE	HI	61	3.000	E25KAE
YO4SI	LO	65	2.990	YO4SI
IK7RVY	LO	96	2.976	
9A/TA2BDD	LO	62	2.976	AN KAYA
YO3HEX	LO	99	2.970	YO3HEX
IK4XQT	LO	76	2.964	
F5TAB	LO	74	2.960	F5TAB
HA1TI	QRP	67	2.948	HA1TI
9A0DIG	LO	77	2.926	9A3SM
DL9OHA	LO	68	2.924	
F8CRS	LO	96	2.880	
G1K	LO	71	2.840	M0RTQ
VY2GF	LO	69	2.760	
IN3FHE	LO	89	2.759	

All Single Operator - SSB World				
Call	P	QSO	Score	Operators
DJ6DO	LO	86	2.752	DJ6DO
DG2BPW	LO	61	2.745	DG2BPW
SP9MAT	LO	92	2.668	SP9MAT
K0EA	LO	64	2.624	K0EA
TA0ACL	LO	57	2.613	TA0ACL
K9NW	HI	65	2.600	K9NW
OM6AT	LO	72	2.592	OM6AT
ES1BH	HI	63	2.583	ES1BH
HB9DXB	LO	63	2.583	HB9DXB
DH2RTW	HI	89	2.581	DH2RTW
GM0TKB	LO	66	2.574	GM0TKB
UA9JNT	LO	65	2.470	UA9JNT
PA2Z	LO	77	2.464	PA2Z
UA4HGL	LO	60	2.460	UA4HGL
EM30EUARL	HI	60	2.460	UT5ECZ
SP2GOW	HI	63	2.457	SP2GOW
F1PNJ	HI	61	2.440	F1PNJ
SP5DRE	HI	78	2.418	
F6HJO	LO	71	2.414	F6HJO
YU6TM	HI	63	2.394	YU6TM
IZ2LQD	HI	70	2.380	
YL3AD	QRP	72	2.376	YL3AD
PA5JD	LO	74	2.368	PA5JD
YT3NB	QRP	63	2.331	
TA4RC	LO	40	2.304	TA4RC
JA0FVU	HI	59	2.301	JA0FVU
VA3CQG	HI	62	2.294	
LZ6DX	LO	75	2.250	LZ6DX
PE2K	QRP	68	2.244	PE2K
IW1RMM	LO	59	2.242	
VE3BFU	HI	59	2.183	VE3BFU
HA5PA	QRP	66	2.112	HA5PA
IK4AUY	HI	55	2.090	
SP5NZF	LO	57	2.052	SP5NZF
PA2VS	LO	76	2.052	PA2VS
N2RC	HI	55	2.035	N2RC
K7SV	LO	52	2.030	K7SV
IK4DCX	LO	53	2.014	
VK2KS	HI	61	1.952	VK2KS
DL1DXA	QRP	69	1.932	
2E0GYI	LO	55	1.925	2E0GYI
VK5PAS	LO	55	1.925	
PT7ZT	LO	57	1.888	PT7ZT
EA6EA	LO	48	1.872	EA6EA
SP7MU	HI	62	1.860	SP7MU
BG5TOX	HI	58	1.856	BG5TOX
IN3JRZ	LO	58	1.856	
DK7SM	LO	53	1.855	
DB9OH	LO	53	1.855	DB9OH
SP4CUF	LO	61	1.830	SP4CUF

All Single Operator - SSB World				
Call	P	QSO	Score	Operators
IZ2ZQP	LO	55	1.815	
OK1TK	LO	60	1.800	OK1TK
PA3CGJ	LO	60	1.800	PA3CGJ
E73AA	LO	58	1.798	E73AA
F4HPX	HI	60	1.740	F4HPX
DF6NI	LO	62	1.736	DF6NI
DM5ML	LO	51	1.734	
LY2AX	HI	44	1.716	LY2AX
YO5CTS	LO	61	1.708	YO5CTS
2E0INN	LO	71	1.704	2E0INN
ES2IPA	LO	53	1.696	
7X2GK	LO	50	1.674	7X2GK
DF8HS	LO	53	1.643	DF8HS
VK2CZ	HI	60	1.620	
G0JDL	LO	52	1.612	G0JDL
SP6FAF	HI	61	1.586	SP6FAF
NW1Q	LO	48	1.584	
SV3SPC	HI	45	1.575	SV3SPC
KG4USN	HI	39	1.575	KG4USN
OM7AT	LO	49	1.568	
UT4EK	HI	52	1.560	UT4EK
K6NA	HI	35	1.530	K6NA
AD2BO	HI	43	1.530	AD2BO
GB1OOH	LO	61	1.525	G0WJK
RA3DGH	LO	54	1.512	
HB9GPG	LO	58	1.508	
YL3GQ	LO	52	1.508	YL3GQ
EA2SN	LO	47	1.504	EA2SN
RZ6D	LO	48	1.488	
EA2EWL	LO	47	1.457	
IK2LOL	HI	44	1.452	IK2LOL
TK4QL	HI	50	1.450	
HA2EAV	LO	50	1.450	
SP3POB	LO	45	1.440	SP3TYJ
KC9JML	LO	42	1.428	KC9JML
DX4EVM	LO	46	1.426	DV4ZAR
PD0WVB	HI	49	1.421	PD0WVB
DK6BA	HI	43	1.419	
4X1ST	LO	40	1.400	4X1ST
E29TGW	LO	42	1.386	E29TGW
IZ3GNG	HI	51	1.377	
VK3GK	HI	49	1.372	VK3GK
N2OMD	LO	44	1.364	
RW3AI	QRP	47	1.363	
UA9URI	HI	38	1.352	
DG7SCB	LO	52	1.352	DG7SCB
DL2MM	LO	56	1.344	DL2MM
VA6MA	HI	43	1.316	VA6MA
A62A	HI	41	1.312	A65BP
IU3OCN	LO	42	1.302	

All Single Operator - SSB World				
Call	P	QSO	Score	Operators
IZ4UFB	HI	50	1.300	IZ4UFB
KA8Q	HI	42	1.296	KA8Q
SY1AEA	QRP	44	1.276	
AD4EB	HI	44	1.276	AD4EB
DG9FBA	LO	51	1.275	
K7GK	HI	29	1.265	K7GK
BD3TE	LO	48	1.248	BD3TE
OM1AVV	LO	48	1.248	OM1AVV
EC4AA	QRP	44	1.232	EC4AA
ES6RMR	LO	42	1.218	ES6RMR
IK1RGK	LO	41	1.189	
PA0MIR	HI	50	1.150	PA0MIR
OK2GU	LO	41	1.148	OK2GU
PD1ABO	LO	44	1.144	PD1ABO
IK2SAR	LO	44	1.144	IK2SAR
IN3IIR	HI	45	1.125	
DL3LJ	HI	37	1.110	DL3LJ
VU2DED	HI	37	1.107	VU2DED
S56VHR	LO	40	1.080	S56VHR
KF7RO	HI	37	1.073	KF7RO
PA1BD	LO	56	1.064	PA1BD
IK1VQY	LO	48	1.056	IK1VQY
DB4LL	LO	48	1.056	DB4LL
YO4BXX	LO	39	1.053	YO4BXX
OK2ABU	HI	50	1.050	
F5MA	LO	42	1.050	
YI1WWA	LO	38	1.040	YI1WWA
RW9XU	LO	40	1.040	KOV R C
G1PCR	LO	47	1.034	G1PCR
PD1HDV	HI	39	1.014	PD1HDV
SP1JQJ	HI	42	1.008	SP1JQJ
YC3DOC	LO	45	990	YC3DOC
M0XLT	QRP	38	988	M0XLT
DL7VRG	LO	39	975	DL7VRG
LY1NDN	LO	36	972	
PD7CJT	LO	44	968	PD7CJT
DL1DTL	HI	37	962	
SQ5EXM	HI	38	950	SQ5EXM
Z35W	LO	45	945	
DL3MB	LO	40	920	DL3MB
9A2GA	LO	38	912	9A2GA
EA8DHH	LO	36	864	EA8DHH
IU1IPB	LO	36	864	
ON9TT	LO	39	858	ON9TT
ER3CT	LO	34	850	ER3CT
E70AW	LO	42	840	
KB4CG	LO	35	840	KB4CG
OM6TX	LO	44	836	OM6TX
RW1F	HI	33	825	
AB1F	LO	33	825	AB1F

All Single Operator - SSB World				
Call	P	QSO	Score	Operators
EX0M	LO	31	806	EX0M
MI5K	HI	35	805	MI5K
DO1CS	LO	35	805	
LZ2JU	LO	34	782	LZ2JU
JA8LJI	HI	36	756	
DL4VAI	LO	36	756	DL4VAI
9A1BN	LO	37	740	
YO4BEX	LO	37	740	YO4BEX
DG7NFX	HI	40	720	DG7NFX
IK8UND	LO	42	714	
GU0UVH	LO	39	702	GU0UVH
YO3GNF	HI	33	693	YO3GNF
DL1JPF	LO	33	693	
PG6F	LO	46	690	PG6F/P
CS7AUJ	LO	31	682	CS7AUJ
IU2HEE	QRP	32	672	
N4QS	HI	32	672	N4QS
DN1EAR	LO	29	667	DN1EAR
RA0LMO	HI	31	651	
HA3MGA	HI	29	638	
F5OQL	LO	30	630	
YU1ML	LO	27	621	
TA3EP	LO	29	609	TA3EP
SQ3PMX	LO	32	608	SQ3PMX
RA3DQP	LO	32	608	
EA4HHH	QRP	32	608	EA4HHH
DL1OJ	LO	30	600	DL1OJ
W6AFA	HI	26	600	
UB8QAA	LO	33	594	
HB9GKM	LO	27	594	HB9GKM
RA9MX	HI	16	576	RA9MX
IK2IKW	LO	27	567	IK2IKW
ON6VOX	LO	28	560	
HG3FNC	HI	31	558	
HA3IW	HI	29	551	
JA3LEZ	HI	34	544	
G4PVM	LO	27	540	G4PVM
DL5YM	HI	28	532	
RM7C	LO	28	532	
G0ATG	LO	28	532	G0ATG
IU0APU	HI	24	528	
RA4Y	HI	25	525	RA4Y
IZ3ZOH	LO	26	520	IZ3ZOH
PV8AAS	LO	26	520	PV8AAS
DD5VL	HI	23	506	
EC3AIT	HI	24	504	EC3AIT
ON3ND	LO	28	504	
SP3BBS	LO	28	504	SP3BBS
PA7TG	LO	25	500	
PA3HCC	LO	29	493	PA3HCC

All Single Operator - SSB World				
Call	P	QSO	Score	Operators
N1WRK	LO	23	483	N1WRK
OE9SEV	LO	28	476	OE9SEV
IK0UGC	LO	28	476	
SN3N	LO	26	468	SP3ATB
DL1MOS	LO	26	468	DL1MOS
YO8ERC	LO	26	468	
PA5DX	QRP	29	464	PA5DX
K1BIF	HI	21	460	K1BIF
G8NVY	LO	28	448	G8NVY
PA8KW	LO	24	432	PA8KW
UW5EMC	LO	25	425	UW5EMC
DM7CW	LO	25	425	
KB1VUN	LO	23	425	KB1VUN
JH1CML	HI	22	418	
M0YDK	LO	26	416	M0YDK
HG3IP	HI	27	405	
HA3FHH	LO	20	400	HA3FHH
YO4FZX	LO	22	396	YO4FZX
YO9HG	LO	22	396	YO9HG
DL4NHP	LO	23	391	DL4NHP
F4IYJ	LO	24	384	
W1GXZ	HI	20	384	E. ELL
PY2CP	LO	24	384	PY2CP
DL8MEF	LO	21	378	
SQ9S	LO	24	360	
SP2TQQ	LO	24	360	SP2TQQ
PY3TD	LO	20	360	PY3TD
RG1A	LO	21	357	RYEV NDER
PY2EBD	LO	21	357	PY2EBD
SP5BN	LO	23	345	SP5BN
UX3IT	QRP	20	340	UX3IT
JA8RWU	LO	21	336	JA8RWU
SP3LM	LO	23	322	SP3LM
DL7FUA	LO	23	322	
IK3XTY	QRP	21	315	
SQ3R	LO	19	304	SQ3HMM
M7SNG	LO	19	304	M7SNG
YB7WR	LO	19	304	YB7WR
JA7HYS	QRP	18	288	
YB1DMK	HI	18	288	YB1DMK
SQ6ILH	LO	19	285	SQ6ILH
EI9ES	LO	19	285	EI9ES
DO3MNA	LO	19	285	
PA3DBS	LO	20	280	PA3DBS
F4IDD	LO	23	276	F4IDD
IU7EDX	LO	19	266	
LZ1KZ	LO	17	255	LZ1KZ
EA3GYE	QRP	18	252	EA3GYE
VA2YZX	LO	18	252	
EI5IMB	LO	19	247	

All Single Operator - SSB World				
Call	P	QSO	Score	Operators
FK4QX	HI	17	238	FK4QX
PD0YL	LO	18	234	
ON5ZZ	LO	19	228	ON5ZZ
IV3IDP	LO	17	221	
LZ2HM	HI	18	216	
DK1AX	HI	15	210	
WD4FMG	LO	15	210	WD4FMG
DK6YA	QRP	18	198	
EB3AKL	LO	14	196	
DV1MM	LO	16	192	DV1MM
OQ5M	HI	17	187	ON5ZO
DV1DLX	LO	17	187	DV1DLX
ON3AT	LO	14	182	ON3AT
DL8LSK	HI	15	180	
SQ5SUL	LO	16	176	
TA7OYG	LO	8	168	TA7OYG
RD1A	HI	14	168	
SP2R	LO	14	168	SP2R
GM4UYZ	LO	14	168	
DK3RN	LO	14	168	
W0COE	LO	15	165	W0COE
YC8DUL	HI	15	165	YC8DUL
DL1LOD	HI	16	160	DL1LOD
W9TCV	LO	13	156	W9TCV
2E0JQB	LO	14	154	
RW0UM	HI	12	144	XX9XX
KB0UPC	LO	12	144	KB0UPC
JA2GHP	LO	14	140	JA2GHP
DL0GEL	LO	14	140	DL0GEL
SP9DLS	LO	14	126	SP9DLS
G6MXL	LO	11	121	
LY2CX	HI	11	121	LY2CX
HB9HEI	LO	13	117	HB9HEI
E24OYI	LO	12	108	E24OYI
OM6AMP	LO	12	108	OM6AMP
JE6KFN	LO	10	100	
JA3COA	LO	11	99	
SQ7BTY	LO	11	99	SQ7BTY
SQ3TGN	LO	12	96	SQ3TGN
EB7A	LO	10	90	
YB3BLJ	HI	10	90	YB3BLJ
YF3FBV	LO	11	88	YF3FBV
N2NKX	HI	9	81	N2NKX
YB7OO	LO	9	81	YB7OO
K3TW	QRP	10	80	K3TW
PP2CS	LO	8	80	PP2CS
YD2UWF	LO	8	80	YD2UWF
OA4DKN	LO	5	75	OA4DKN
R9RA	LO	10	70	R9RA
UA1ABJ	LO	10	70	UA1ABJ

All Single Operator - SSB World				
Call	P	QSO	Score	Operators
JR0DZH	LO	8	64	
K4SBZ	HI	8	64	K4SBZ
WF8C	LO	8	64	WF8C
YC2XCD	LO	8	64	YC2XCD
UA6ADC	LO	9	63	UA6ADC
DB7KK	QRP	10	60	
JA6CVR	LO	8	56	
7L3ETZ/3	LO	8	56	
KA4FVE	LO	7	49	KA4FVE
PY1EZ	LO	7	49	PY1EZ
PY2YVN	LO	4	48	PY2YVN
JA3FRI	HI	7	42	A
IU3EDK	LO	7	42	
UN7GN	LO	6	36	UN7GN
M0CGF	HI	6	36	M0CGF
DO1PE	LO	6	36	DO1PE
UT0RS	HI	7	35	UT0RS
N7ZTR	LO	5	35	N7ZTR
DL4HCF/P	LO	6	30	DL4HCF
DC4KJS	LO	6	30	
DU1AVC	LO	6	30	DU1AVC
RN1AO	LO	7	28	RN1AO
DO1HGS	LO	7	28	
JA1CRJ	HI	5	25	
ES8SX	HI	5	25	
K4QR	LO	5	25	K4QR
PY2BN	QRP	5	25	PY2BN
YB4NY	LO	5	25	YB4NY
UA0SBQ	QRP	4	16	
IT9HNQ	LO	4	16	
DO5LE	LO	4	16	DO5LE
ON6EB	QRP	4	16	ON6EB
W2KU	HI	4	16	W2KU
W4CMG	LO	4	16	W4CMG
JH7UJU	QRP	3	9	
WB8WUA	LO	3	9	
4I1EAY	QRP	3	9	4I1EAY
JE1CWQ	HI	2	4	
JG1GCO	LO	2	4	
JF1VKY	LO	2	4	
PA1JN	HI	2	4	PA1JN
F1IKA	HI	2	4	
EI8KW	LO	2	4	EI8KW
WF8D	HI	2	4	WF8D
W2CLA	LO	2	4	W2CLA
DX2EVM	LO	2	4	DV2ATQ
JP3UBR	HI	1	1	
BU2EV	LO	1	1	BU2EV
BU2EP	LO	1	1	BU2EP
DO1TOM	LO	1	1	DO1TOM

All Single Operator - SSB World				
Call	P	QSO	Score	Operators
EA5/SM3MHZ	LO	1	1	EA5/SM3MHZ
C31LK	LO	1	1	C31LK
KG5IPA	HI	1	1	KG5IPA

All Single Operator - SSB World				
Call	P	QSO	Score	Operators
KB7AK	LO	1	1	KB7AK
PY2AD	LO	1	1	PY2AD

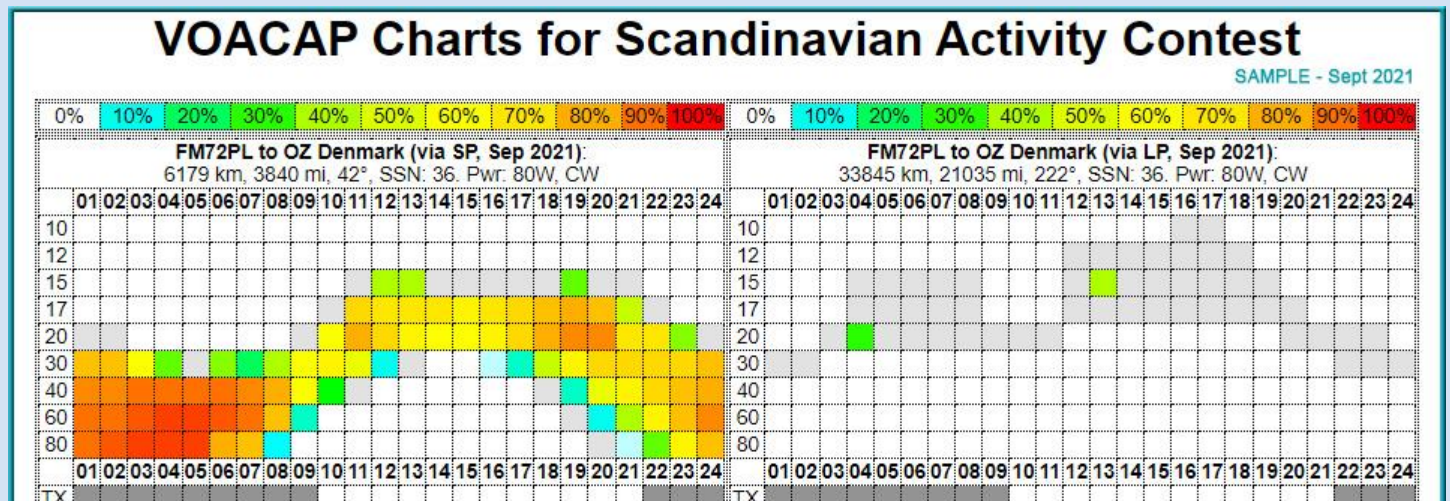
## All Multi Operator – SSB World

#	Call	Class	Band	PWR	QSO	Point	Mult	Score	Operators
1	IQ0HV	MULTI-ONE	ALL	HI	281	281	107	30.067	I0KNQ IK0RPV IW0DJC
2	HB9BC	MULTI-ONE	ALL	HI	242	242	89	21.538	HB9GNZ HB9GHC LA0FD HB9GYW HB9HBS HB9HDD HB9TPU HB9GYF
3	RK4HYT	MULTI-ONE	ALL	HI	200	200	92	18.400	
4	UW6U	MULTI-ONE	ALL	HI	175	175	82	14.350	UT2UM UX3UU UT3UHA UT2UZ
5	MS0FNR	MULTI-ONE	ALL	HI	163	163	72	11.736	MS0FNR
1	YM1KE	MULTI-ONE	ALL	HI	186	192	60	11.520	TA1BX-TA1KEH
1	NV9L	MULTI-ONE	ALL	HI	122	148	69	10.212	NV9L WB9Z
6	OE1XA	MULTI-ONE	ALL	HI	110	110	57	6.270	OE1EPU OE1LZS OE1MIV OE1RHC
7	OK1KKI	MULTI-ONE	ALL	HI	86	86	43	3.698	OK1KKI
1	CE2LS	MULTI-ONE	ALL	HI	39	63	29	1.827	CE2RTF CE2SQE
2	RA0AY	MULTI-ONE	ALL	HI	52	52	34	1.768	RA0AY R0AA
1	DV1IHW	MULTI-ONE	ALL	HI	47	49	27	1.323	DV1IHW 4G1LDC
8	HB9EP	MULTI-ONE	ALL	HI	48	48	26	1.248	HB9GZP HB9DOS HB9GFT
2	N1SOH	MULTI-ONE	ALL	HI	18	18	14	252	N1SOH W1FM

## VOACAP

### Make your own propagation forecast for SAC

Jari, OH6BG has provided us with an excellent on-line Voacap propagation prediction tool on the web. It's very easy, just select SAC CW or SSB and input you QTH locator. Go to <http://www.voacap.com/sactest/> and make your own forecast! The colors are showing the RELiability.



# Multiplier Moving is the key to success in SAC scores

By Martti Laine OH2BH & CU2KG

## Preface

The SAC Contest is a QSO party for the folks up in Northern Europe. At the same time, it's a rare opportunity where these people are sought after and can experience and practice running the pileup. There's nothing wrong with it and the more than fifty-year-old SAC has grown into a highly desired and well-organized contest where the world can contact and meet all their favorite Nordic people at once.

From the Scandinavian perspective it is a severe competition – Polar Battle – where the competitive Northern nations flex their muscles – test their stations for the upcoming contest season. All in severe, but friendly competition between the Nordic countries but also among the Nordic individuals of those nations.

What country is leading the pack, and for what reason, is an interesting subject and may qualify for a doctoral thesis for the first Doctor DX. We are more than happy to leave it there until such a time for various reasons. We would like to however discuss one specific subject – the SAC multiplier hunt – which is the second half of the final score for those who aim for the top ten in Scandinavia or have serious ambitions to reach the podium.

## Station Availability

The top ten Single-op All-band has been more recently, also in 2021, populated by OH stations for most part. The reasoning behind this phenomenon is two-fold:

1. In OH there is a large number of powerful SO2R (single-operator/two-radio) stations with multiple towers, allowing for power splitting to multiple directions during contest operating. For example, in Aland Islands, OH0 alone, there are three such superstation installations.
2. As these stations involve lots of teamwork it is natural that these stations are populated by various members of such teams. This also secures the natural intake of younger contest operators, such as in 2021, by Niko, OH2GEK at OH0T and another Niko, OH5CZ at OH5Z.

## Operating Strategy

With these backgrounds, these OH stations are seriously competing against each other and doing their strategy and math calculations accordingly. The point value of number of QSOs is multiplied by each band country multiplier (mult), which is like a whole other competition among the OH folks. Isn't this going against aiming for a high number of QSO and enjoying running the pileups? Not at all, as in the SAC contest even the multipliers, almost all, are coming in the pileup. They may call you only one time, thus you must make sure that you take such a valuable multiplier to all other potential open bands while you are eye-to-eye with them. And all this without interrupting the running pileups – or actually taking the mult to your 2nd radio band and then onwards.

Operating two bands simultaneously (SO2R) would facilitate such multiplier moving almost naturally as you are basically passing the mult from your radio 1 to radio 2.

Taking the mult for the band hopping is a dedicated but straight forward effort. It takes two parties to succeed and in OH the process is labeled: "It Takes Two to Tango"! Or even more simply, the OH2U team named their mult moving as Paksalo Polka – where they take their mult partner tightly on a melodic polka dance through the crowd (or QRM) on their way! In the OH2U scene, missing the mult pass results in a penalty – 30 minutes in the corner!

[Take a look at this video](#)

It is true that having a valuable multiplier in your hands through the process of moving from band-to-band is like having a slippery bar or soap in your hands – it could easily slip away from you if you were to make even the smallest mistake in the process. But that is the skillset that is up to you to develop. If not, your multiplier may fall below 200 and you find yourself down the list only dreaming of better days to come.

Remember that multiplier moving should not interrupt running the pileup and keeping your operating frequency(ies) – two for SO2R – busy at all times.

## Confidence Counts!

You have to be determined that SAC is your contest and recognize that your score is in your hands. You should not be shy, but rather ask clearly for moving the mult to the next desirable band regardless of how rare the station is. Looking at the 2021 scores, ZD7BG was probably the rarest multiplier in the SAC 2021. Can you even ask him? Sure, you can – and two seasoned ops did exactly that and got the double multi (actually triple); OH2MM @ OH8X and ES2RR @ OF2BH. Both seasoned Old Timers!

Looking at the ZD7BG log, he did work three (3) OH stations on 40m. Why only three? Time period was 1847-1902 UTC. It was the propagation window to the Far East, but those three OH stations; OH2BH, OH8X and OH7N, had two 40M beams with power split into two opposite directions.



Just today, I shared this insight with Ville, OH2MM/PY2ZEA. He's 78 years of age, with fifteen (15) SOAB CQWW World wins under his belt and operated Sac 2021 at OH8X capturing ZD7BG on three bands. His message was loud and clear – "You have to

start moving mults from minute one in the contest as that may well be the only time you hear that mult calling you." He was the first to move ZD7BG!

I was operating the SAC 2021 as CU2KG from the Azores and I was ready for moving as a mult at any time; ten OH SOAB stations asked me to move, but only one SOAB SM (Thanks Ingo, SE5E).

But these super rare ones like ZD7 are only a few, and you have to look at the SAC results for the past years and list those everyday stations that typically are also a few and should be moved as well. How about EI, UA2, ER, TK and EA6 and so on?

### How to Move and Where?

Yes the moving process is like heart surgery – many things can go wrong. And again, you have to have a tight grip on your dancing (moving) partner. When suggesting the target frequency, it should be done with slow and precise CW or voice – maybe twice. The target frequency should be easy to remember and outside of the busy portion of the band. Say 3540, 7060, 14060 and so on...

These should be your fixed moving frequencies that you can remember at all times. When you pass dozens of stations to seemingly empty 10M, for example, you can use these same frequencies for your occasional CQing for people that would look for you on 10M at different times.

### How about the folks out in the world taking part in the SAC?

We, Scandinavians, are ever thankful for our colleagues at the other end of the SAC radio circuit for joining us year after year and responding positively to our request to move from band to band in our hunt for valuable multipliers! It is your valuable participation that makes SAC one of the best regional contest, allowing the Nordic people to develop their operating skills and continue to be figures also in the global radio sporting arena.

See you in the 2022 SAC Contest.  
Martti, OH2BH for SAC Contest Committee



CALLSIGN: ZD7BG  
 CATEGORY-OPERATOR: SINGLE-OP  
 CATEGORY-BAND: ALL  
 CATEGORY-MODE: CW  
 NAME: Gilbert Legg

QSO: 21031 CW 2021-09-18 1539 ZD7BG	599	1 LN8W	599	47 0
QSO: 14000 CW 2021-09-18 1656 ZD7BG	599	26 SE5E	599	686 0
QSO: 14000 CW 2021-09-18 1704 ZD7BG	599	27 SM5GLC	599	150 0
QSO: 14000 CW 2021-09-18 1708 ZD7BG	599	28 OG4X	599	547 0
QSO: 14000 CW 2021-09-18 1711 ZD7BG	599	29 OH8X	599	590 0
QSO: 21000 CW 2021-09-18 1714 ZD7BG	599	30 OH8X	599	591 0
QSO: 14000 CW 2021-09-18 1727 ZD7BG	599	31 OY1CT	599	503 0
QSO: 14000 CW 2021-09-18 1728 ZD7BG	599	32 OF5TS	599	488 0
QSO: 14000 CW 2021-09-18 1730 ZD7BG	599	33 OH0V	599	347 0
QSO: 14000 CW 2021-09-18 1730 ZD7BG	599	34 OH2PM	599	555 0

**This shows how some operators move around with ZD7BG !**

QSO: 14000 CW 2021-09-18 1732 ZD7BG	599	36 SM6F	599	359 0
QSO: 14000 CW 2021-09-18 1733 ZD7BG	599	37 OH0Z	599	838 0
QSO: 14000 CW 2021-09-18 1739 ZD7BG	599	38 LA0CX	599	226 0
QSO: 14000 CW 2021-09-18 1743 ZD7BG	599	39 OH2BKX	599	239 0
QSO: 14000 CW 2021-09-18 1746 ZD7BG	599	40 SG0M	599	120 0
QSO: 14000 CW 2021-09-18 1747 ZD7BG	599	41 SK0QO	599	340 0
QSO: 14000 CW 2021-09-18 1759 ZD7BG	599	42 OF2BH	599	908 0
QSO: 21000 CW 2021-09-18 1802 ZD7BG	599	43 OF2BH	599	913 0
QSO: 21000 CW 2021-09-18 1815 ZD7BG	599	44 OH3AR	599	15 0
QSO: 14000 CW 2021-09-18 1822 ZD7BG	599	45 OX3LX	599	270 0
QSO: 14000 CW 2021-09-18 1823 ZD7BG	599	46 OG4W	599	445 0
QSO: 14000 CW 2021-09-18 1824 ZD7BG	599	47 OG7A	599	788 0
QSO: 14000 CW 2021-09-18 1824 ZD7BG	599	48 LA8CJ	599	20 0
QSO: 14000 CW 2021-09-18 1825 ZD7BG	599	49 OH6RX	599	1 0
QSO: 14000 CW 2021-09-18 1826 ZD7BG	599	50 OZ0B	599	454 0
QSO: 14000 CW 2021-09-18 1828 ZD7BG	599	51 SM6FPC	599	308 0
QSO: 14000 CW 2021-09-18 1829 ZD7BG	599	52 SF5O	599	396 0
QSO: 14000 CW 2021-09-18 1830 ZD7BG	599	53 OG3B	599	641 0
QSO: 14000 CW 2021-09-18 1837 ZD7BG	599	54 OF8L	599	483 0
QSO: 14000 CW 2021-09-18 1839 ZD7BG	599	55 OH2BFG	599	70 0
QSO: 7000 CW 2021-09-18 1847 ZD7BG	599	56 OH8X	599	706 0
QSO: 7000 CW 2021-09-18 1852 ZD7BG	599	57 OF2BH	599	1012 0
QSO: 7000 CW 2021-09-18 1902 ZD7BG	599	58 OH7N	599	551 0

**Only this three FOUND ZD7 on 40m band !**

QSO: 14000 CW 2021-09-18 1908 ZD7BG	599	59 OH5KW	599	265 0
QSO: 14000 CW 2021-09-18 1910 ZD7BG	599	60 SE6U	599	189 0
QSO: 14000 CW 2021-09-18 1924 ZD7BG	599	61 SC7DX	599	404 0
QSO: 14000 CW 2021-09-19 0737 ZD7BG	599	62 OF4X	599	1280 0
QSO: 14000 CW 2021-09-19 0758 ZD7BG	599	63 OF5Z	599	1973 0

QSO: 21000 CW 2021-09-19 1159 ZD7BG 599 106 OF5TS 599 1464 0  
 END-OF-LOG:

**Kim, OH6KZP passing 7Z1SJ and P3F from 80M to 40M and then on to 20M while running SO2R on 80M and 40M. The entire episode took four (4) minutes.**

3512 CW 2015-09-19 1815 OH2BH	599	813 SP3HLM	599	58 2	C
3512 CW 2015-09-19 1815 OH2BH	599	814 7Z1SJ	599	81 3	HZ C
3512 CW 2015-09-19 1816 OH2BH	599	815 RM5A	599	191 2	C
3512 CW 2015-09-19 1817 OH2BH	599	818 P3F	599	126 3	5B O
7003 CW 2015-09-19 1817 OH2BH	599	817 7Z1SJ	599	82 3	HZ C
7003 CW 2015-09-19 1818 OH2BH	599	819 P3F	599	127 3	5B O
14003 CW 2015-09-19 1818 OH2BH	599	820 7Z1SJ	599	83 3	HZ C
7003 CW 2015-09-19 1819 OH2BH	599	821 SP3A	599	54 2	C
7003 CW 2015-09-19 1819 OH2BH	599	822 G3LHJ	599	73 2	C

# SAC Soapboxes

Call	SOAPBOX
3Z8Z	TNX
9A5MPV	NICE TEST, 73 VLADO
AA2A	THANKS TO DAVE, K1TTT, FOR THE USE OF HIS FINE STATION!
CR6BWW	POOR CONDITIONS, BUT LOT OF FUN
CX7CO	LOCAL STORM QRN, + BAD CONDX - SRI
DJ3GE	FT991A >> FD3 (80M, 40M) OR MFB23 (20M, 15M)
DK4LX	GREAT CONTEST. BIG FUN
DK7OG	POOR PROPAGATION FOR 5W AND A STEALTH ATTIC DIPOLE
DK8NT	AGAIN PLEASANT, 'LITTLE' CONTEST, FREE OF HECTIC. UNFORTUNATELY CONDX (AT LEAST FOR ME) WERE ALMOST DISMAL, IN PARTICULAR ON SUNDAY, BUT I DIDN'T GIVE UP, AND WAS REWARDED BY LA2US WITH A QSO IN THE VERY LAST MINUTE - TUSEN TAKK! AS IN 2020, I MISSED OJ0, JW AND JX. CU IN 2022!
DL2LFH	TX PWR 5 W. ANTENNA 22 M WIRE. STRAIGHT KEY. HAND-TYPED LOG. 5 DAYS DEADLINE FOR LOG SUBMISSION IS WAY TOO SHORT! PLEASE MAKE IT 14 DAYS AT LEAST, BETTER 4 WEEKS AS IT USED TO BE
DL5CL	TRX:IC 7610, ANT: W3EDP
DL5KUD	LOW-BAND/HIGHPOWER 80/40M, 80 WATTS, DIPOLE UP 7 M,
DL7UGN	RIG: FT-2000 (100 W), ANT: 50M LW @ 8MTR
DL8QS	500 WATT DIPOL
DL8TG	5 W 26M END FED WIRE
DO7ES	TRX FLEX 6300 ANT. TITAN DX
E77R	RIG: FT757GXII PWR: 100W ANT: FB33, DIPOLE 80M, DIPOLE 40M
EA4BAS	ICOM 7300 EAXBEAM AND DIPOLE
EA4FME	ICOM 7610 EAXBEAM AND DIPOLES
EA8DIG	SDR TRCVR SUNSDR2-PRO, SPE 1.3KFA, VERTICALS
EI5KF	NICE TO WORK YOU ALL 73
EI8GP	GREAT CONTEST LOGGED USING SD
EU1AI	TNX FOR SAC
EW8DX	TNX
EW8G	5 WATTS
F3WT	CHECKLOG WIRE ANTENNA ONLY AND OVER 50 (76)
F4GFT	TRUE GENTLEMEN'S FISTS
F5MA	TNX FOR NICE CONTEST
F5PBM	TX : K3S ANT : CENTER-FED POWER : 100 WATTS
F6CWA	GREAT CONTEST
G0UCP	RIG: HOME BREW 3 VALVE (TUBE) VXO PWR: 1W ANT: TRAP DIPOLE SCANDINAVIAN OPERATORS WERE PATIENT AND GAVE CLEAR EXCHANGES. MY
G3RTU	ENJOYED MY LIMITED ACTIVITY HOWEVER IMPROVED ANTS HERE MADE IT ENJOYABLE. PRESENTLY RESTRICTED TIME AVAILABLE. 73'S
G3ZGC	CONDITIONS ON 15M AND 10M WERE DIRE ON SATURDAY 20M WAS MAINLY OH STATIONS
HA0GK	RIG:HOME MADE TS9D POWER 5W - 2XKT922 AT 13,8V ANT1. YP3 YAGI 3 EL. ANT2. ON 40M VERTICAL
HB9HQX	RIG: ELECRAFT K3 PWR: 100 W ANT: DIPOLE
I2WIJ	IT WAS NICE TO BE BACK AFTER LAST YEAR 'FULL SWING'. MY WONDERFUL SETUP HAS GONE SOUTH, SO I HAD TO DO THE CONTEST WITH JUST ONE VERTICAL AND TWO DIPOLES. I STILL HAD A LOT OF FUN AND THIS IS THE BEST PART
IK0NOJ	73
IK0OKY	ALLWAYS FUN! MEET YOU ON SSB
IK4XQT	IC 7000 40 W ANT.WINDOM BELOW OF ROOF!
IN3OWY	TS-590SG 95 W ANT. LW
IV3DRP	FT 817 5W G5RV
JA0BJY	I ENJOYED THE CONTEST
JA1GQC	I ENJOYED THE CONTEST, PROPAGATION WAS VERY NICE ON 20M

JA2HYD	TNX FB CONTEST !!
JA2KKA	ICOM IC7100 100W INV VEE, VERTICAL
JA3VOV	I ENJOYED THE CONTEST
JA6CVR	I ENJOYED THE CONTEST
JE1ILP	TX: IC7300S 5W OUTPUT, ANT: HF20CL
JE3EDJ	I ENJOYED THE CONTEST
JF2FIU	THANK YOU ALL STATIONS!
JG1LHB	I ENJOYED THE CONTEST
JG1WKM	I ENJOYED THE CONTEST
JG3XDR	I ENJOYED THE CONTEST
JH1BBT	I INTEND TO APPLY CATEGOLY LOWBAND HIGH POWER WIRE-ONLY SINGLE-OP
JH1JNJ	I ENJOYED THE CONTEST
JH1MTR/4	POOR CONDX !
JH6QIL	I ENJOYED THE CONTEST
JH7UJU	FT-817ND YAGI
JH9FCP	I ENJOYED THE CONTEST
JJ1QLT	I ENJOYED THE CONTEST
JJ3TBB	RIG IS TS-850S AND ANT IS GP
JK1HIY	I ENJOYED SAC.SCANDINAVIA IS THE CLOSEST EUROPE FROM JAPAN
JK7DWD	TNX QSO CUAGN 73
JK7UST	I ENJOYED THE CONTEST
JL1FAR	50W AND MOBIL WHIP ANTENNA OPERATION.THANK YOU FOR PICKING ME.UP
JO1WIZ	IC-7300M (50 WATTS) LOADED DP SCANDINAVIAM ARE SO FAR FROM MY LOADED DP
JR2PMT	I ENJOYED THE CONTEST
JR6CSY	I ENJOYED THE CONTEST
JR6KBF	TNX TO ALL WHO MADE THE CONTEST POSSIBLE
JR7ASO	I ENJOYED THE CONTEST. THANK YOU\1
K1GQ	SKOOKUMLOGGER K3S KPA1500 2EL 40 + TRIBANDER + WIRES
K3TW	'MANY THANKS TO THE EXCELLENT SAC CW OPERATORS WHO MAKE THIS CONTEST SO ENJOYABLE!'
K5ZD	NOT MUCH, BUT FUN AS ALWAYS TO CHASE SCANDANAVIAN STATIONS
LA9OI	TEST QTH HAMAR?Y LOC JP78SC. CONDX WERE NOT GOOD DURING THE CONTEST WITH MUCH AURORA
LY5XX	YL
LY7Z	K3 + WIRES - 80, 40M, TRIBANDER - 20, 15, 10M
M0VCP	ENJOYABLE CONTEST, NO PROPAGATION ON THE HIGHER BANDS, MOST ACTIVITY
N4BP	2021 SEP SAC CONTEST
N5AW	ONE OF MY FAVORITE CONTESTS. PLEASE LEAVE IT AS IS!
OF1F	THIS WAS A SCATTERED CLASS MM ENTRY: OH1RX WORKED 80M 40M ON SUNDAY) FROM HIS HOME STATION AND CLUB. 80M-20M HAD QUITE NICE AURORA, ALTHOUGH 20M WAS WERE BUMMERS AND WITH ONLY 4 STATIONS - 10M JUST A BIT. EVENING WHEN 15M PC WITH PROBLEMS. TO RECOVER OUR SCORE. FORTUNATELY A BACKUP FILE INTERESTING TO COMPETE AGAINST LN8W SUPER STATION. REAL FIGHT UNTIL THE END AND LOG CHECKING SHOWS WINNER
OF1TX	LOUSY CONDITIONS, 19H ON AIR. MANY THANKS TO JAAKKO FOR HOSTING!!
OF3KQ	TS-130V
OF4BCS	SOLAR MINIMUM X-RAYS STILL. VARIABLE CONDITIONS. VERTICALS USED FOR A FAIR MULTIPLIER COUNT. PART TIME OPERATION DUE TO TECHNICAL COMPLICATIONS.. .CHEERS/73, ZABA OH1ZAA
OF8KA	IC-7400, 100W AND BUTTERNUT HF6V GROUND MOUNTED. LADY AURORA DID SOME NASTY TRICKS AGAIN
OF9W	FYI: THERE WAS ISSUE IN OUR 21M SERIAL. ADDITIONAL DIGIT APPEARED IN SERIAL FOR QSO AT 19.9.2021 8.13.21 (397 INSTEAD 37). BUT REPORTS WERE CHANGED AS THEY ARE IN LOG
OG4T	FIRST TWO S&P QSO GOT WRONG SENT NR. 18 WAS FOR PREVIOUS CONTEST. PSE, DON'T PUNISH THEM
OG6N	MANY ANTENNA ISSUES BUT STILL AL LOT OF FUN
OH1MAR	IC-756PRO2 160 M INV-L WITH TUNER
OH1XY	IC-746 , 1/4 L GP
OH2HZ	RIG TS-180S, ANTENNAS DIPOLES

OH2LIR	OCFD DIPOLE
OH2LU	IC-756PROII, MAX. 50 W MOSLEY TRIBAND YAGI AT 12M AGL, TRAP DIPOLE (40/80M) NET OPTIME = 9H43MIN
OH3RF	TESTING NEW WIRE YAGI. WORK'S NICELY, BUT STILL THE EAST BEAM NEED'S TO GET HIGHER. HOPE HAVE IT READY FOR CQ WW CW. THAMK'S NICE QSO'S TO ALL FRIEND'S 73'S DE JUSSI OH3RF
OH5MQ	RIG: KENWOOD TS-520S PWR: 80 W ANT: 15 M - VERTICAL LOOP, 20 M - DIPOLE, ANT: 40 M - DIPOLE, 80 M - DIPOLE
OH5UQ	TS-590 95W BTV-5 TRAP VERT
OH6BA	DUPES: RD0A G0AJJ EO50FF PA0GJV
OH7KBF	SAC CW 2021
OH8FKK	ANT 1 SPIDERBEAM 3-BAND 11M - ANT 2 WINDOM 80M - 10M 9M KORKEUDESSA
OK1FKD	ELECRAFT K2-5W, ANT. LW 42M
OK2LF	SAC-CW
OK2SLS	FT897 ANT.DELTA LOOP 160M
OK2SWD	GOOD CONTEST WITH MANY STATIONS. SEE YOU AGAIN FRIENDS. TCVR: FT897D 40 W, ANT: GP
OK5SWL	GOOD CONTEST WITH MANY STATIONS. SEE YOU AGAIN FRIENDS. TCVR: FT897D 40 W, ANT: GP
OK7CM	IC-705, HEXBEAM, DIPOLE
OM7AT	TNX, 73!
ON5WL	THERE WERE MANY STATIONS ACTIVE BUT I HAD TO SEARCH THE BANDS TO MAKE QSO. BUT I ENJOYED THE CONTEST AND WORKING MANY GOOD OPERATORS. TILL NEXT YEAR. 73 LEON ON5WL
ON6NL	ALWAYS A PLEASURE TO MEET THE SCANDINAVIAN FRIENDS. MANY OF THEM TOP CW OPS. HAD FAMILY AND RADIO CLUB OBLIGATIONS: A WINDMILL CONTEST!
OZ/DL3KWF	IC-7000 + TUNER AH-4, ANTENNA 10M VERTICAL WIRE IN A TREE
OZ6SYL	ALWAYS NICE TO BE IN OZ, IN PARTICULAR DURING THE CW PART OF SAC. RIG: IC-7000 + TUNER AH-4, ANTENNA 10M VERTICAL WIRE IN A TREE. SEE YOU AGAIN 2022
OZ2U	IN THIS ANNUAL SAC-CW AND I DECIDED TO PLAY A LITTLE WITH THE BIG BOYS FOR, AS OZ1IKY SAYS: WE MUST NOT FIGHT THE AALAND ISLANDS AGAIN! I COULD SEE FROM THE ONLINE SCORE THAT KENNETH FROM THE VERY BEGINNING PUT A SOLID DISTANCE TO MOST OF THE REST OF US. I HAD HOPED THAT 15 METERS WOULD HAVE GIVEN A LITTLE MORE, BUT I COULD NOT DRIVE IT TO MORE WITH MY 5-600 W. AFTER OCTOBER, I WOULD LIKE TO JOIN THE KW CLUB IF OTHERWISE THE NEW PA STEP ARRIVES AS PROMISED ( SPE 1.5K FA). A FUN TEST WHERE YOU SIT AT THE RIGHT END OF THE ARROWHEAD AND REALLY GET TO PRACTICE YOUR CW. HOWEVER, I HAD CHEATED A BIT BEFORE AND TAKEN A FEW DAYS WITH THE MORSE-RUNNER PROGRAM TO GET A LITTLE UP TO SPEED. I DROVE WITH 23-24 WPM THROUGHOUT THE TEST AND HAD TO CONTROL MY TEMPER WHEN THE USUAL LYS AND LZS CAME IN WITH 35 WPM - MY ABILITIES ARE NOT QUITE ENOUGH YET, BUT I GOT THROUGH THE TEST. BEST REGARDS / BEST REGARDS STEPHAN ALLER, OZ2U
OU2V	THIS YEAR I WOULD TRY AGAIN WITH QRP 5W, AND A MONTH AGO I HAD HOPED THAT I COULD COMPLETE WITH MY FT-817, BUT IT IS CURRENTLY. TO REP. AND I LOOK FORWARD TO REVISITING IT SO IT CAN GET ITS BAPTISM IN A QRP CONTEST. WELL, BUT I THEN HAD TO SETTLE FOR TURNING DOWN THE THROTTLE ON MY TS-480, WHICH WAS THEN SET TO 5 W, AND WITH A GOOD 40 / 80M WIRE THAT WORKS WELL, I GOT EASY BY FILLING IN THE LOG. THE TACTIC IS TO CALL CQ AS I WILL DROWN IN THE NOISE FROM THE QRO STATIONS WHEN THERE IS A FIGHT FOR A STATION. THAT THEORY IS GOOD, AND GIVES CALM AND RELAXATION ... SOMETIMES YOU ALMOST FALL ASLEEP WHEN THERE ARE 2 MINUTES BETWEEN CALLS, BUT WUPTI YOU WAKE UP WHEN THERE IS SOMEONE CALLING. IN SAC, THERE IS NO 10-MINUTE RULE, SO YOU CAN CHANGE BANDS AS YOU LIKE. I USED IT THIS TIME, (LAST TIME WAS SINGLE BAND), AND IT FURTHER GIVES THE ADVANTAGE THAT WHEN YOU HAVE CALLED, RUN A LOT OF STATIONS, AND THEN THERE IS A BREAK OF 3 MINUTES WHERE THERE IS NO ONE, THEN YOU CHANGE TIES. SO I LAY AND CHANGED QUITE OFTEN ON SUNDAY MORNINGS, 80-40-20-15M. AND IT GAVE PAW. WHEN THERE WERE ABOUT 4 HOURS LEFT, MY ONE MONITOR WAS PUT ON CQCONTEST, WHERE I COULD THEN MONITOR THE QRP CLASS, AND IT WAS FUN TO SEE RM5F FROM MOSCOW, HOW CLOSE I WAS TO HIM, I TRIED, BUT NEVER GOT OVER HIM . AT ONE POINT, I WAS JUST 1000 POINTS BELOW HIM. MY GOALS AND PLANS WERE CHANGED THE LAST FEW HOURS BECAUSE WHEN I STARTED I HAD NO GOALS UNTIL I SAW RM5F POINTS. THEN MY GOAL WAS 30000 POINTS, BUT ALAS, I DID NOT REACH THAT. CNDX WAS A BIT DOWN, BUT BETTER THAN LAST YEAR. VY 73 DE LARS OZ1FJB - OU2V
OZ1THC	HI CONTESTANT - HERE IS MY RESULT. THE FIRST 5-6 QSOS I RAN S / P BUT THE REST ON RUN MY OWN PILEUP AT 18 WPM AND IT WENT QUITE WELL AND IT WAS ALSO A LOT MORE FUN. UNFORTUNATELY I GOT TO RUN 5 QSOS OUTSIDE THE BELT PLAN AT 40M SO THEY DO NOT COUNT BUT I ENDED UP WITH 60 QSOS IN TOTAL. TOMMY DE OZ1THC
OZ4ABH	HELLO - A FEW YEARS SINCE I LAST TOOK THE SAC TEST. HAD DECIDED TO ONLY RUN AT 15M - THEN I STILL WANT INTERRUPTIONS HERE AT HOME AND I WANT A GOOD NIGHT'S SLEEP. NEVER HAVE I EXPERIENCED IT SO DEAD ON THE TAPE, BUT THEN GOT A FEW AND IT HELPED A LITTLE ON THE MOOD WHEN BRAZIL AND SCT. HELENA SHOWED UP. I DROVE MOSTLY ON 4 ELEMENTS THAT ARE ONLY ABOUT 5M UP - THEN JUST TESTED THE "FLAGPOLE" - THEN CAME SOUTH AMERICA AND SCT. HELENA. THERE WAS A BIG DIFFERENCE ON THE S-METER WHETHER IT WAS VERTICAL OR HORIZONTAL. WELL YOU GOT THAT OPPORTUNITY MADE. HERE MY LITTLE CONTRIBUTION - VY73 BY OZ4ABH JORGEN MORCH

OZ1AAR	<p>HI - AGAIN SOME LOVELY HOURS WITH MY ANCIENT K3S - IT STOOD FOR THE MUST WITHOUT KNEADING FOR 15 HOURS, SO THERE WAS ALSO TIME FOR NIGHT SLEEP. 10M AND 15M WERE SLUGGISH, BUT WHEN THERE WAS A HOLE, THERE WAS ALSO QUITE STRONG SIGNAL STRENGTH ON MY QUAD. 20M WAS BOTH AND - 40M GAVE MANY HITS ALSO DX'S IN THE PERIODS WHEN THE LOCAL NOISE GRINDER DID NOT RUN AND THUS PUT THE TAPE DOWN FOR ME. SETUP HERE: K3 - 100W + 2 EL QUAD 10-20M + 10M HIGH T-ANT. W / RADIALS FOR 40M - ZL AND VK CAME IN THE LOG VIA THIS NUMBER. + MULTIBAND HORIZONTAL LOOP ANT. ABOUT 92M IN CIRCUMFERENCE - WAS USED FOR 80M AND A LITTLE FOR 40M. THERE ARE PROBABLY A FEW HEARING DEFECTS HERE AND THERE ...</p> <p>I HEARD SEVERAL OZS, SO I WONDER IF OZ COUNTRY HAS NOT DONE FAIRLY WELL IN THE SACT TEST. 2021 ?? VY 73 DE OZ1AAR, VILLY</p>
OZ7BQ	<p>GOOD MORNING. THEN THE SAC TEST IS OVER AND YOU CAN LOOK BACK ON SOME NICE HOURS WHERE YOU ARE IN THE CENTER OF THE ACTIVITIES. IN THE PAST WEEK, I HAD PREPARED THE STATION FOR TEST ACTIVITY, INCLUDING PUTTING PENDING WINDOWS UPDATES ON STANDBY SO THAT THE PC WOULD NOT SUDDENLY START A PROLONGED UPDATE OR REPLACE DRIVERS. IN ADDITION, SET UP MY 12 M SPIDERBEAM MAST (MINUS THE 2 UPPER SECTIONS) AND MOUNTED AN INVERTED L-ANTENNA. AT 80M, IT RUNS LIKE A GROUND PLANE WITH AN L JOINT AT THE BOTTOM. AT 40M, 20M, 15 AND 10M AS AN ENDPOINT-FED ANTENNA, FED THROUGH A 49: 1 BROADBAND TRANSFORMER FOLLOWED BY A SIMPLE ANTENNA TUNER, WITH MANUAL SWITCHING BETWEEN THE 4 BANDS. MY KX3 / KXPA100 HAS BEEN SUPPLEMENTED WITH A PX3 PAN ADAPTER, WHICH IS A GREAT HELP WHEN THERE IS ONLY LIMITED ACTIVITY ON ONE TAPE. STARTED SATURDAY AT 20M BUT IT WENT PRETTY SLUGGISH. IT SEEMED THERE WERE STILL SOME IONOSPHERE PROBLEMS. NOT MUCH AT 15M EITHER, BUT STILL GOT A COUPLE OF GOOD MULTIPLIERS EA8 AND PY. IT WENT MUCH BETTER AT 40M, HERE I COULD - AS LONG AS I HAD CONTROL OVER THE FREQUENCY - KEEP A RUN GOING. OVER 80 QSOS PER HOUR WITH 100 WATTS. IT'S PRETTY FUN. SATURDAY NIGHT THE FUN REPEATED ITSELF AT 80M, WHERE I ALSO GOT A COUPLE OF LONG RUNS, ONE WITH OVER 80 QSOS PER HOUR. BUT AT TIMES IT WAS HARD TO FIND SPACE. THERE WERE OH / OF STATIONS EVERYWHERE, EVEN AT 01 UTC AT 80M. SUNDAY MORNING I GOT STARTED AN HOUR BEFORE SUNRISE, AND WAS ABLE TO ENJOY A SMALL HANDFUL OF W'S. BUT OTHERWISE IT WAS PREDOMINANTLY EU STATIONS THAT CAME IN THE LOG. ONLY A FEW UA9 / O, SA AND JAPANESE. UNFORTUNATELY NO VK OR ZL. HAD TO CLOSE 0930 UTC TO ATTEND A FAMILY BIRTHDAY, BUT THEN THERE WAS ALSO SOME FATIGUE ON THE BANDS, I GOT 620 QSOS IN 13 HOURS. ON REHEARSAL. 73 AND GOOD DX HANS JØRGEN OZ7BQ</p>
OZ0B	<p>I DID NOT HAVE HIGH HOPES FOR THIS CONTEST BEFOREHAND. HAD A HARD WORK WEEK LEADING UP TO THE CONTEST WHERE I ROUNDED OUT THE 50 WORK HOURS EARLY FRIDAY MORNING. SO I WAS NOT EXACTLY AHEAD OF RESTING AND SLEEPING. I HAD ALSO NOT MADE ANY SIGNIFICANT CHANGES IN THE STATION SETUP, SO IT WAS NOT IN THE CARDS THAT I SHOULD IMPROVE MY EFFORTS FROM LAST YEAR'S PARTICIPATION. AND IT UNFORTUNATELY HELD TRUE. WELL, BUT I'M READY TO START AT 1200 GMT AND THEN IT WENT OTHERWISE FROM THERE AT 20M WITH RUN. THERE WERE A GOOD HANDFUL OF OZS ON THE ONLINE SCORE AND THERE WAS GOOD ACTIVITY, RIGHT FROM THE START. DROVE ALTERNATELY 20M AND 40M UNTIL THE GREYLINE, WHERE 80M ALSO CAME INTO PLAY. AT AN EARLY STAGE, I GOT THE IMPRESSION THAT THERE WERE FEWER PARTICIPANTS THAN LAST YEAR. THERE WAS NOT THE SAME RESPONSE TO MY CQS AS LAST YEAR. AND IT QUICKLY EBBED OUT WITH CUSTOMERS IN THE STORE. SO I CHANGED BANDS FREQUENTLY, BUT IT NEVER GOT AS WILD AS IN 2020. AT 0100 GMT I HIT THE WALL AS EXPECTED. SIMPLY HAD TO SLEEP A LITTLE. AND WHOEVER SLEEPS, AS YOU KNOW, WINS NO CONTEST, THAT IS THE MOTTO HERE AT THE STATION. 2.5 HOURS ON THE MATTRESS AND THEN IT WAS UP AGAIN. NOW IT GRADUALLY DAWNED ON ME THAT CONDITIONS WERE NOT LIKE LAST YEAR EITHER. THE FAT JAPANESE RUNS NEVER CAME. OR US RUNS. OR HOLE TO OCEANIA. SO THE MORNING BECAME A SAD AFFAIR WHERE I COULD NOT REALLY GET ANY FLOW. ON THE ONLINESCORE, IT ALSO LOOKED SAD. JØRGEN OV3X JUST AS QUIETLY HAULED IN ON ME AND OVERTOOK ME AT 800 O'CLOCK. HE'S JUST EFFICIENT, THE OLD FOX. HOWEVER, I COULD KEEP 3SM BEHIND ME, IT WAS ALWAYS SOMETHING. AND IN THE LAST HALF HOUR, 2TF ALSO GOT THE MOVE IN FRONT OF ME. LOTS OF FIGHT, THAT'S WHAT IT'S ABOUT. AND ON SAC'S WEBSITE I CAN SEE SEVERAL GOOD OZ RESULTS, IT'S JUST SUPER COOL. I THEN DROVE OVER 1000 QSOS AND YOU SHOULD NOT BE DISSATISFIED WITH THAT. BUT, I'M GLAD A SAC IS COMING AGAIN NEXT YEAR.... 73 SØREN OZ0B / OZ1ISY</p>
OV3X	<p>SAC CW 2021 SO AB HP - RIG: K3 AND AN ALS-600 WITH 300 WATT OUTPUT ANTENNAS: TH3MK4 ON A 10 METER MAST AND A ZS6BKW OVER 12 METER FLAGPOLE. - THEN I GOT TIME FOR AN UPDATE AFTER THE TEST. AFTER LYING STILL FOR A LONG TIME, I WANTED TO TRY CONTEST AGAIN. THE WEATHER HAD CHANGED, SO THE GREAT PAINTING WORK ON THE HOUSE WAS COMPLETED. DID NOT MAKE ANY PLANS, BUT GOT UPDATED N1MM WITH MISCELLANEOUS. MADE READY AND THEN IT OTHERWISE WENT OUT THERE. STARTED AT 20 METERS WHEN THERE WAS NO LIFE HIGHER UP. WENT TO STEPHAN OZ3SM MODE - I.E. RUN. IT WAS SO-SO WITH KEEPING THE ARROW-UP. I DID NOT NEED TO BE ASSISTED. EXPERIENCED THAT THE JAPANESE HAD TO BE BEAMED 60 DEGREES AGAINST NORMALLY 45-50 DEGREES. I SWITCHED RELATIVELY EARLY TO RUN AT 40 METERS. CAN SEE THAT THE AMERICANS NOTICED THAT WE SWITCHED DOWN FASTER THAN EXPECTED. THE IMPRESSION WAS - THAT THERE WERE NOT AS MANY PARTICIPANTS = GREAT INTEREST - AS BEFORE.</p> <p>SUBMITTED LOGS MAY SHOW SOMETHING ELSE. THE AMERICANS RAN THEIR OWN KIND OF TEST HIGH UP IN THE BANDS. KL. 0030 LOCAL TIME, AURORA STARTED COMING ON THE SIGNALS. WANTED AT KL. 0400 BUT DID NOT FEEL LIKE IT. STOOD AT KL. 0500 LT AND STARTED AGAIN. THE QRN WAS INCREDIBLY HIGH AT 80 AND 40 METERS AND NUMBERS HAD TO BE REPEATED OVER AND OVER AGAIN. THE SIGNALS SOUTH OF THE ALPS WERE THE BEST. 9A AND ITALY CAME THROUGH FINE - THE REST WERE IN HIGH QRN. ONLY AFTER KL. 0600 LT IT STARTED TO CALM DOWN AND THEN IT DROVE WELL AGAIN. NICE TO BE CALLED BY BOTH ZL2AGY AND VK2GR AT 40 METERS ON SUNDAY MORNING. ON THE REFLECTOR I COULD SEE THAT I WAS AFTER SØREN OZ1ISY WHO HAD GIVEN ME A KICK JUST BEFORE THE TEST. OZ1IKY KENNETH WAS THE DRIVER ON THE TEAM AND OCCASIONALLY I COULD SEE THAT MY SIGNALS WERE 10 DB OR WEAKER THAN KENNETH FOR THE SAME RX. THE BEAM DIRECTION CAN OBVIOUSLY DO A LOT WITH THESE COMPARISONS. MY SIMPLE SET-UP CAN NOT DO IT MUCH BETTER. I AM MORE THAN HAPPY WITH THE RESULT. IT SEEMED HOPELESS TO CATCH UP WITH SØREN, BUT TRIPS UP AND DOWN 10 AND 15 METERS GAVE SOME QSOS AND THUS MULTIPLY SO I JOINED AGAIN. BEAMEN TO THE SOUTH-SOUTHEAST WHICH REACHES 6 METERS OPENS AND THEN CAME STATIONS FROM SOUTHERN EUROPE. ATTENDED 18 HOURS AND REALLY HAD A REALLY GOOD LOVELY WEEKEND. AT THE HA8 SITE, A LOT OF OZ STATIONS DUMPED IN. I HEARD THE FOLLOWING:</p> <p>OU2V OU2W OU4N OU5Z OU6U OV2T OZ1IKY OZ2A OZ2TF OZ2U OZ3TQ OZ4ABH OZ4O OZ4UN OZ5DX OZ6SYL OZ7BQ OZ8SW OZ0B OZ0MF OZ / DL3KWF</p> <p>ALL IN ALL, A GREATER TURNOUT FROM OZ THAN I THINK I HAVE EXPERIENCED IN THE PAST. - NICE. HOPE EVERYONE HAD THE WEEKEND YOU HAD HOPED FOR WITH THE WORLD'S MOST WONDERFUL HOBBY. 73 FROM FALSTER - JØRGEN OZ8AE OV3X</p>

OZ3SM	HI - ONE OF THE MOST IMPORTANT AND FUN CONTESTS OF THE YEAR, SAC / THE POLAR BATTLE, WAS HELD LAST WEEKEND. AGAIN A PLEASURE TO PARTICIPATE IN AS THE WORLD CONTESTANTS GET MULTS. FOR SCANDINAVIAN PREFIXES AND YOU ARE IN THE WORLD CONTEST CENTER. THAT'S WHY I CHOSE TO RUN IN NON ASSIST MODE AND RUNNING ALL THE TIME. ONLY AT 15 M I ALSO DROVE S / P. THE HF DISTRIBUTION CONDITIONS WERE WORSE THAN LAST YEAR, AND THERE WERE FEWER PARTICIPANTS - AT LEAST THAT'S HOW IT FELT, ESPECIALLY ON SUNDAYS. AGAIN, IT WAS INTERESTING TO FOLLOW THE PROGRESS OF THE BATTLE ON THE ONLINE CONTEST SERVERS ESPECIALLY IN ONE'S OWN CATEGORY. THANKS FOR THE MATCH TO OZ1IKY, OV3X, OZ0B AND PARTLY OZ2TF. UNFORTUNATELY, I HAD TO SURRENDER TO STRONGER FORCES TOWARDS THE END. I STARTED TOO LATE ON SUNDAY MORNING AND THEREFORE MISSED A LOT OF MULTIPLIERS I THINK. AS USUAL, I DROVE ELECRAFT K3 / P3 AND 600W TO 80 M VERTICAL LOOP AND HEXBEAM 10 M UP FROM A VALLEY IN A DETACHED HOUSE AREA. AFTER 15.5 HOURS IN THE OPERATOR CHAIR, THE RESULT WAS 1132 QSO. VY 73 DE STEPHAN, OZ3SM
OZ40	HI, PARTICIPATED IN THE TEST FROM A HOLIDAY HOME ON ENØ. SETUP WAS PRETTY BASIC, IC-7300 AND AN OLD BUTTERNUT GP ON THE GROUND. I HAD LAID OUT SOME EXTRA RADIALS FOR 40M AND 80M. A LITTLE MISMATCH WAS HANDLED BY A TUNER. THE CONDITIONS HAVE BEEN WELL DESCRIBED BY OTHERS. HOWEVER, I WOULD SAY THAT SOMETHING MORE NEEDS TO BE DONE FOR THE QSOS WHEN THERE IS NOT SO MUCH PUNCH BEHIND THE SIGNALS. LOW POINTS WERE PROBABLY THE TIMES I WAS COSTED AWAY FROM AN OTHERWISE GOOD CQ FREQUENCY BY FELLOW AMATEURS WHO COULD NOT "HEAR" THAT WAS RECORDED! HIGH POINTS WERE ENOUGH WHEN I WAS CALLED BY WH7T / HAWAII AND VK2PN AT 20M ON SUNDAY MORNING. ALL IN ALL, SOME GOOD HOURS AT THE RADIO. 73 DE OZ40 - OLE
R3RK	TNX 73!
R3VL	SO1R
R4WT	FT-2000 IV
R6CW	TS-590S - 100WATTS ANT - LOOP
R7AC	TNX 73!
RA3DGH	YAESU FT-450, DIPOLE I DECLARE THAT ALL CONTEST RULES AND ALL THE RULES AND REGULATIONS FOR AMATEUR RADIO OPERATIONS IN MY COUNTRY HAVE BEEN OBSERVED AND ADHERED TO. I ACCEPT THE DECISIONS OF THE CONTEST COMMITTEE
RA4PQ	TNX ES 73!
RA5AQ	TNX 73!
RK3P	TS 590. DELTA 80M. DELTA 40M. SAY5-9
RK4HYT	GOOD CONTEST
RM4F	TNX, 73!
RN2FQ	PWR: 150 W, ANT: DIPOLES THANKS FOR A NICE CONTEST! I WILL BE BACK NEXT YEAR
RN3S	ICOM 760PRO, INVERTED V 40/80, SLOPER 20/15M
RN5AA	TNX 73!
RV3DBK	TX 5WATTS, ANT - MAGLOOP INDOOR
RV3ZN	TNX 73!
RW3AG	I LIKE THIS CONTEST
RW3AI	G90 POWER 5 WATTS, ANT LW , ECO VERTICAL
RX1AG	73
RX3QNE	TNX FOR CONTEST. 73!
S51J	WORKING FROM HOME WITH MY FT-2000 AND VERTICAL ANTENNA. JUST GAVE SOME POINTS ARROUND
S57DX	JUST FEW HOURS FOR FUN. NOBODY TURNS ANTENNAS SOUTH?
SE6J	SINGLE-BAND 40M. BYGGDE IHOP ANTENNEN PÅ MORGONEN (VERT MED ELEVERADE RADIALER)
SM0FPR	POOR CONDS ON SATURDAY OCH IT DIDN'T BECAME BETTER WHEN MY THROAT BECAME SORE AND FEVER STARTED TO GROW, AROUND MIDNIGHT - BEDTIME FOR 7+ HOURS. MY REGULAR RIG, KX-3, WERE ON REPAIR AND DIDN'T ARRIVE IN TIME SO I USED THE SPARE SETUP: KX-2, KXPA-100 AND KPA/KAT-500 ANTENNA: DOUBLET
SM5CSS	I AM STILL WORKING UNASSISTED AS USUAL! 73 DE ALLAN ELECRAFT K3 100W TO KT34XA, CL-33, INV V (40), INV V (80)
SM5MX	RIG: IC-7300 ANT: 2X10 M DIPOLE, 600 OHM FEEDER
SM5S	73 DE SM5SIC GÖRAN
SM6USS	WAS ACTIVE EVEN IF THE QSO SCORE NOT WAS HIGH 73 DE DENNIS
SN2S	IC-746, WINDOM ANT
SN5WD	XIEGU G90
SP1AEN	RIG: FTDX 3000 ABT 50WTTS. ANT.: LW FOR ALL BANDS
SP9GMI	DELTA FOR 40M ON 80M AS LW IC7100 + AT200
SP9KJU	TRX FT897 80W ANT DELTA LOOP 42M
SP9R	73`S ! DE JAN SP9BRP
SQ2RH	RIG=HM HUSAREK DSP
SV1CEI	R7 VERTICAL ANTENNA

TA1TMY	THIS WAS MY VERY FIRST CONTEST PARTICIPATION. I HAVE SO MUCH FUN WITH 5 WATTS. THANK YOU
TA4RC	73S DE TA4RC
TM6M	PART TIME QRV THIS YEAR DUE TO QRL AS EVER ON SATURDAY! THAN, WAS TIRED SO SLEEP A WHILE IN NIGHT! OTHERS DUTY ASWELL SUNDAY! ACTIVITY WAS OK! SEE YOU NEXT YEAR I HOPE 73S OLI
UA0SBQ	RIG: FT-817 POWER 5W
UA9CSA	RIG(S): IC760PRO
UR5EDX	IC-775DXII
US1IV	TNX FOR CONTEST !
US1UU	TX 5W[HOME MADE],ANT LW-180 M LONG.TNX 73 TO ALL!
US7IGN	ICOM IC756PRO3, VERTICAL
UT4LW	SDR TRCVR SUNSDR2-DX ANTENNS: 160,80,40 - DIPOLE UP18M, FIDER 70M. 20,15,10 - SPIDER UP 10M, FIDER 30M
UT8AQ	TRX - HOMEMADE + PA 100 WT, ANT - W3DZZ
UT8AS	TRX - MINIYES 5 WT (KT920), ANT - VERTICAL DELTA 85M + 4EL YAGI FOR 20M
UX1CL	TNX! 73!
UY3MW	YAESU FT-920, WINDOM
VK20XZ	AGAIN AN GREAT CONTEST, AND HAPPY TO WORK WELL KNOW STATIONS AGAIN
W3AKD	LOW BAND CONDITIONS WERE DIFFICULT ON ESPECIALLY ON 80M WITH QRN AND RAPID QSB AND FLUTTER HERE IN MAINE. NEEDED MANY REPEATS OF SERIAL NUMBER - TNX ALL FOR QRS. HOPE TO SEE ALL NEXT YEAR. ALL THE BEST, BILL. W3AKD
WA6URY	OPERATED REMOTE FROM TOKYO, JAPAN
WQ6X	THIS WAS ANOTHER WQ6X WEAK ATTEMPT AT RUNNING EUROPE FROM W7AYT'S CONCORD QTH. ALTHO THIS QTH IS MORE-OR-LESS A RECEIVE VORTEX, THERE DOES SEEM TO BE A 'WORMHOLE' TOWARDS THE NORTHEAST DIRECTION, WHICH AT THE FAR END CAN END UP IN SCANDINAVIA. WQ6X IS OFTEN LOUDER IN EUROPE THAN THEY ARE AT THE CONCORD QTH. ALL SIGNALS WERE S-2 OR WEAKER, WITH A BIT OF A POLAR FLUTTER
YL3AD	USED PAPER LOG, BECAUSE SOME FAULTS AND DUPES COULD BE, SORRY. ANYWAY: TNX FOR NICE CONTEST! SEE YOU NEXT YEAR! 73! JANIS, YL3AD
YL3FW	TRX: SUNSDR2, 5 WT
YO2IS	IC-7300, 80W, 41M SLOPING WIRE...DOWNTOWN LOCATION !.73 SZIGY
YO4SI	RIG: KENWOOD TS-450SAT 100 W
YO4TL	FT891
YO5AXF	YAESU FT-897D 100W, OCF MULTIBAND DIPOLE
YP5A	FTDX-3000 + PA 400W DELTALOOP V , A3S
ZD7BG	BAND CONDITIONS VERY POOR ON BOTH DAYS, 10M COMPLETELY DEAD. HOPE FOR BETTER CONDITIONS NEXT YEAR
ZL2AGY	AS ALWAYS, A MOST ENJOYABLE CONTEST. IT'S ALWAYS A BATTLE TO BE HEARD FROM WAY DOWN 'DOWN-UNDER,' BUT THANKS TO EVERYONE WHO TOOK THE TIME TO WORK ME. SEE YOU ALL AGAIN NEXT YEAR. RIG - ELECRRAFT K3+KPA500 500W TO A 10M TALL VERTICAL
ZL2AYZ	A GREAT WAY TO CHALK UP CREDITS TOWARD THE SRAL 100TH ANNIVERSARY AWARD. THANKS TO THE MANY OH/OH STATIONS THAT TOOK PART

## Contestloggers

o N1MM Logger <http://www.n1mm.com/>

o UcxLog by DL7UCX <http://www.ucxlog.org/>

o AATest by RZ4AG <http://www.aalog.com/>

o DXLog.net by 9A5K <http://www.dxlog.net/>

o GEN LOG by W3KM <http://www.qsl.net/w3km/>

o jLog by LA3HM <http://jlog.org/>

o Log4U by SM3CER/SM5NBE <http://www.sk3bg.se/contest/log4u.htm>

o Log4Win by UR5FCM <http://log4win.ucoz.net/>

o Lux-Log by LX1NO <http://luxlog.lx1no.info/>

o SD by EI5DI <http://www.ei5di.com/>

o TR by N6TR <http://www.trlog.com/>

o Wincontest by I8VKB <http://digilander.libero.it/wincontest/>

o WriteLog by W5XD <http://www.writelog.com/>

o RUMPed for Mac by DL2RUM <http://dl2rum.de/>

**Remember to check for Rule changes before SAC 2022 !!**



<https://twitter.com/SACContestTeam>

<https://www.facebook.com/ScandinavianActivityContest>

<http://www.sactest.net>

## **Scandinavian Activity Contest 2022**

CW: 17-18 September

SSB: 8-9 October

DIGI: ??