

John Moyle Memorial Field Day 2013

24 Hour Portable Operation – Multiple Operator

Call Sign	Operators	Mode	Band	Score	Contacts	Place /Award
VK3ER	Multi	All	All	5,736	825	1 /**
VK2WG	Multi	All	All	2,222	397	2 /*
VK2AJN	Multi	All	All	994	206	3 /*
VK2ACH	Multi	All	All	512	257	4 /*
VI100ACT	Multi	All	All	322	158	5 /*
VK2HZ	Multi	Phone	All	1,846	567	1 /*
VK4WIS	Multi	Phone	All	1,582	280	2 /*
VK3JNH	Multi	Phone	All	1,532	246	3 /*
VK3ANR	Multi	Phone	All	1,154	255	4 /*
VK3CMZ	Multi	Phone	All	733	223	5 /*
VK4WIT	Multi	Phone	All	435	162	6 /*
VK6SH	Multi	Phone	All	290	139	7 /*
VK5GRC	Multi	Phone	All	220	106	8 /*
VK2EH	Multi	Phone	VHF	1,686	78	1 /*
VK5OM	Multi	Phone	VHF	1,252	57	2 /*
VK4WIE	Multi	Phone	VHF	212	33	3 /*
VK4IZ	Multi	All	HF	2,234	957	1 /*
VK2AWA	Multi	All	HF	1,466	659	2 /*
VK4WIL	Multi	All	HF	986	491	3 /*
VK8DA	Multi	All	HF	676	286	4 /*
VK5LZ	Multi	Phone	HF	1,926	963	1 /*
VK4XA	Multi	Phone	HF	1,150	575	2 /*
VK3CNE	Multi	Phone	HF	782	390	3 /*
VK5BAR	Multi	Phone	HF	460	230	4 /*
VK6ZN	Multi	Phone	HF	410	206	5 /*
VK6BRC	Multi	Phone	HF	402	201	6 /*
VK5KDK	Multi	Phone	HF	362	181	7 /*
VK1MT	Multi	Phone	HF	356	179	8 /*

Six Hour Portable Operation – Multiple Operator

Call Sign	Operators	Mode	Band	Score	Contacts	Place /Award
VK5SR	Multi	Phone	All	1246	173	1 /*
VK2MA	Multi	Phone	All	340	113	2 /*
VK3AWS	Multi	Phone	All	197	39	3 /*
VK2BOR	Multi	Phone	All	126	59	4 /*
VK2SF	Multi	Phone	HF	484	242	1 /*
VK2CL	Multi	Phone	HF	342	171	2 /*
VK4BRC	Multi	Phone	HF	252	126	3 /*
VK4WID	Multi	Phone	HF	226	113	4 /*
VK2XE	Multi	Phone	HF	166	83	5 /*
VK2GCE	Multi	Phone	HF	84	42	6 /*

24 Hour Portable Operation – Single Operator

Call Sign	Operators	Mode	Band	Score	Contacts	Award
VK4OE	Single	Phone	All	2,151	169	1 /*
VK2FAAD	Single	Phone	All	1,820	200	2 /*
VK3VCL	Single	Phone	All	663	147	3 /*
VK2PAM	Single	Phone	All	208	100	4 /*
VK2FERM	Single	Phone	HF	164	82	1 /*
ZL3AKM	Single	Phone	HF	140	70	2 /*
VK5OQ	Single	Phone	HF	128	64	3 /*
VK8GM	Single	Phone	HF	100	52	4 /*
VK2AWJ	Single	Phone	HF	36	18	5 /*
VK2PN	Single	All	HF	60	23	1 /*
VK2JUB	Single	All	All	4,676	233	1 /*
VK1WJ	Single	All	All	289	94	2 /*
VK4TGL	Single	All	All	58	11	3 /*

Six Hour Portable Operation – Single Operator

Call Sign	Operators	Mode	Band	Score	Contacts	Award
VK3WAM	Single	All	VHF	1,435	92	1 /*
VK3FIX	Single	Phone	VHF	365	29	1 /*
VK3VMC	Single	Phone	VHF	340	26	2 /*
VK3ZO	Single	Phone	VHF	173	20	3 /*
VK3FABT	Single	Phone	VHF	7	1	4 /*
VK4ADC	Single	Phone	All	616	106	1 /*
VK2IO	Single	Phone	All	332	56	2 /*
VK2XLJ	Single	Phone	All	60	21	3 /*
VK5KPR	Single	Phone	All	54	24	4 /*
VK2BJT	Single	CW	HF	32	8	1 /*
VK4JAZ	Single	CW	HF	12	3	2 /*
VK1SV	Single	All	HF	54	23	1 /*
VK3YSP	Single	Phone	HF	336	168	1 /*
ZL2AYZ	Single	Phone	HF	194	97	2 /*
VK4HNS	Single	Phone	HF	106	53	3 /*
VK3ZPF	Single	Phone	HF	12	6	4 /*

/* Certificate Awarded

** President's Cup

/* Participation Certificate

Home Station – 24 Hour

Call Sign	Operators	Mode	Band	Score	Contacts	Award
VK2LAW	Home	0	All	1496	1139	1 /*
VK4VDX	Home	0	All	671	256	2 /*
VK3MEG	Home	0	All	504	318	3 /*
VK2ACD	Home	0	All	457	163	4
VK2FAJA	Home	0	All	411	209	5 /\$
VK2HBG	Home	0	All	357	251	6
VK3BQ	Home	0	All	270	93	7
VK3MPH	Home	0	All	209	40	8
VK2ASY	Home	0	All	201	111	9
VK3KIS	Home	0	All	142	65	10
VK3IO	Home	0	All	109	70	11
VK3TDX	Home	0	All	79	22	12
VK4PQ	Home	0	All	57	32	13
VK5LJ	Home	0	HF	517	330	1 /*
VK2FADD	Home	0	HF	392	263	2 /*
VK4MIT	Home	0	HF	251	166	3 /*
VK5TE	Home	0	HF	247	158	4
VK4GH	Home	0	HF	170	97	5
VK4MON	Home	0	HF	164	100	6
VK4JGD	Home	0	HF	145	90	7
VK4FD	Home	0	HF	140	81	8
VK5MK	Home	0	HF	85	51	9
VK5FD	Home	0	HF	83	48	10
VK5FCJM	Home	0	HF	68	40	11 /\$
VK3VWW	Home	0	HF	64	42	12
VK6WW	Home	0	HF	8	5	13
VK2WDD	Home	0	VHF	1051	99	1 /*
VK3DIP	Home	0	VHF	457	66	2
VK2AGC	Home	0	VHF	358	39	3
VK2BHO	Home	0	VHF	115	15	4

Home Station – 6 Hour

Call Sign	Operators	Mode	Band	Score	Contacts	Award
VK4KLC	Home	0	All	252	85	1 /*
VK4NA	Home	0	All	138	66	2
VK4IAA	Home	0	All	78	41	3
VK2TQ	Home	0	HF	318	204	1 /*
VK2ND	Home	0	HF	247	168	2 /*
VK3VTH	Home	0	HF	205	135	3 /*
VK4QD	Home	0	HF	158	105	4
VK3JLS	Home	0	HF	144	91	5
VK2FRKO	Home	0	HF	132	96	6 /\$
ZL4RO	Home	0	HF	96	58	7
VK3SMC	Home	0	HF	89	54	8
VK7GM	Home	0	HF	18	10	9
VK2RQ	Home	0	HF	12	3	10
VK3VKJ	Home	0	HF	8	4	11

/* Certificate Awarded

** President's Cup

/\$ Participation Certificate

Comments on John Moyle Memorial National Field Day 2013

This year's entries came from every Australian mainland call areas, as well as from Tasmania and New Zealand. The total number of logs submitted was only 111. This was a significant decrease from the 140 logs received last year. Well done to all who took part. It was good to see some ZL stations take part again this year, and three stations submitted their log.

I have included in the results all of the logs that I received and if any are missing, they are completely lost. I can only offer my apologies to anyone so affected. I am sorry if your log is missing, but it did not get it to me despite my most careful procedures and cross checking.

Based upon submitted logs, there were some 18,047 contacts, (a 19.8% decrease from 2012) accumulating some 61,213 points claimed, (a 30.7% decrease from 2012). This was good contesting for an Australian field day contest, but unfortunately it resulted in just 111 logs being received. More than 1,000 Australian individual call signs were logged during the contest.

Unfortunately, the numbers of stations who went to the considerable trouble of going out and setting up as a portable station and then not bothering to submit a log as an entry, is still a great disappointment. Some multiple operator stations got very big scores this and perhaps that simply reflects the great and varied planning and implementation efforts required to assemble and operate a multi operator station.

Band	S/UHF		VHF		HF	
	Points	Contacts	Points	Contacts	Points	Contacts
24 GHz	0 (0)	0 (0)				
10 GHz	0 (22)	0 (1)				
5.7 GHz	64 (31)	2 (1)				
3.4 GHz	0 (57)	0 (8)				
2.4 GHz	197 (982)	11 (58)				
23cm	1,934 (4,819)	157 (333)				
70 cm	8,394 (14,345)	689 (1,201)				
2m			16,933 (25,254)	1,371 (2,131)		
6m			4,832 (9,439)	409 (775)		
10m					649 (119)	345 (66)
15m					1,031 (170)	429 (92)
20m					7,284 (8,164)	3,985 (3,961)
40m					16,606 (18,194)	8,932 (10,006)
80m					3,124 (6,739)	1,632 (3,518)
160m					165 (44)	85 (22)
Total	10,589 (20,247)	859 (1,602)	21,765 (34,593)	1,780 (2,906)	28,859 (33,430)	15,408 (17,665)

Table should be read – **2013 results in bold** (with (2012 results) in brackets)

Activity was carried out on all bands permitted under the rules. There was not a noticeably increased activity on HF, and though there was more activity on the higher HF frequencies as expected by the increasing sunspot cycle. This sunspot cycle is nearing the top of the cycle but conditions did not appear to improve substantially this year. There was a marked 6m reduction apparent in all states.

In the higher UHF and Microwave bands there was a very significant decrease in activity; since it obviously follows a weather cycle, rather than the solar cycle? Maybe it only takes a couple of club stations to not operate to make the difference and the weather in VK3 was quite wet?

The scoring in the UHF range was also well down from last year. The scoring in the VHF range the number of contacts is also substantially lower than for 2013. The absence of many VK2 & VK3 club stations, because of the miserable weather in some parts certainly reduced activity, with many stations making such comments.

The other major change noticed this year was the decrease in both Portable and Home Station operation was seen. Clearly as there were quite a few portable station operators who did not bother to submit a log, they are strongly encouraged to do so next year. However the change in the Home Station scoring last year did not result in increased activity.

The participation across the various Call Areas was patchy. There was an increase in Portable stations in only VK2, while the other states all showed a decrease from last year.

Call Area	Portable		Home		Total	
	2013	2012	2013	2012	2013	2012
VK1	4	2	0	2	4	4
VK2	21	18	13	15	34	33
VK3	14	21	12	18	26	39
VK4	13	16	10	14	23	30
VK5	8	13	5	8	13	21
VK6	3	3	1	3	4	6
VK7	0	1	2	1	2	2
VK8	2	2	0	0	2	2
P2	0	0	0	0	0	0
ZL	2	1	1	2	3	3
Tot	67	77	44	63	111	140
	2013	2012	2013	2012	2013	2012

All of the portable stations that went to the effort to send in a log will get a certificate. The WIA believes that those who made the effort to set up and operate a portable station should be acknowledged. In line with previous years, the Foundation License logs who did not achieve a placing were instead awarded a Participation Certificate for encouragement.

There were only seven Foundation Licensed operators who submitted a log. (Six from VK2, none were from VK3, none were from VK4, one from VK5 and none from VK6.) There were many more stations than this logged during the contest, but who did not submit a log. All logs submitted by foundation operators were awarded a certificate. Logs from club station did show that a few also took part as part of the club station effort, well done.

Comparison between 2013 and Earlier Years

Year	Logs	Contacts	Points
2013	111	18,047	61,213
2012	140	22,173	88,270
2011	129	20,857	71,736
2010	122	23,573	80,087
2009	124	20,773	71,041
2008	104	17,258	98,940
2007	76	12,535	64,028
2006	78	10,865	61,387
2005	67	8,423	44,080
2004	66	8,602	49,855

This year, the rules again stated that EXCEL is the preferred submission format. A sample linked EXCEL logging report was prepared and sent to those who requested this file. (Contact me at vk4ae@wia.org.au if you would like a copy of my linked spreadsheet in EXCEL for next year.) Other suitable file submission formats are WORD, or *.TXT output file from VKCL (VK Contest Log). PDF format is not acceptable as are JPG and TIFF.

All logs submitted in an electronic form this year, were fully readable.

The new General rules for WIA contests were issued prior to last year's contest requiring all logs to be submitted in Cabrillo format to fall into line with contests in other countries. There was insufficient time available to prepare a template and revise the contest scoring software. In the event there were no logs submitted in that format. Hence the time spent on creating suitable software by the author was completely wasted. It is viewed that, in Australia, there is negligible interest among most operators to go down this path to follow overseas contests by banning paper logs and only submitting logs in Cabrillo format. Hence it is unlikely that the rules of this contest will change to follow this model.

There were still only 94% of logs submitted electronically this year, up from last year. This has been due largely to the excellent work by Mike Subocz (VK3AVV) and his worthy program VKCL (VK Contest Log). Those that submitted a log in the VKCL export format were as usual very easy to work with. Those that simply forwarded the text output of VKCL were also rather simpler to work with than any form of posted paper log or a log completed by hand.

Paper logs may also be used. A small log from an individual operator is and will remain completely acceptable. Large paper logs require a very considerable manual work on the part the contest manager to input the data into the contest database and are no longer permitted. It is so much better to forward the computer files used to print the paper log as part of an e-mail as the data can then be easily extracted and used for checking purposes.

A note for all HF Stations; - All HF contacts are valid HF scoring contacts, whether they are from VK ZL or P2 stations or stations from overseas. Overseas stations cannot submit a log to the contest, but can exchange numbers with stations participating in the Field Day Contest. They are to be scored as a Portable station contact.

Comments Regarding this Year's Contest

1. The comparative difference in score and scoring between HF and VHF/UHF contacts.

In fact within the John Moyle Contest, the rules allow for some 54 possible alternative categories as shown below. Each category is actually completely independent from every other category and so there are in fact 54 parallel contests. In this way it is completely different from any other contest presently in Australia. This year only 20 of the categories were contested.

Table of Existing categories

Operators		Modes				Bands		
	Time							
Multi	24	Phone	CW	Digital	All	HF	VHF	All
Multi	6	Phone	CW	Digital	All	HF	VHF	All
Single	24	Phone	CW	Digital	All	HF	VHF	All
Single	6	Phone	CW	Digital	All	HF	VHF	All

Home	24
Home	6

HF	VHF	All
HF	VHF	All

SWL	24
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For this reason it is not possible to have overall winner in this contest, as scores from any category, especially between different bands and different modes are not directly comparable. Only scores within the same category are correctly comparable. The award of the Presidents Cup is a further parallel contest. It is awarded to the highest score from a Club Station, affiliated with the WIA, in any category.

2. The number of logs submitted to the contest is way down on previous years

The number of logs entered in this year's contest is significantly reduced compared to the last few years of the contest. The number individual stations taking part in the contest and the number of their contacts seems about the same as for last year, it is just that the number of logs submitted is very well down compared to last year and reverses the trend seen over the last 10 years where the number of stations has continued to steadily rise.

In 2012 a total of 140 logs were submitted from 77 portable stations and 63 home stations.

In 2011 a total of 129 logs were submitted from 83 portable stations and 46 home stations.

In 2010 a total of 122 logs were submitted from 73 portable stations and 49 home stations.

In 2009 a total of 124 logs were submitted from 63 portable stations and 61 home stations.

In 2008 a total of 104 logs were submitted from 59 portable stations and 45 home stations.

In 2007 a total of 76 logs were submitted from 48 portable stations and 18 home stations.

3. There was a piece of disinformation circulated that the JMMFD contest was only open to WIA Members.

This false story was circulated, that indicated that the John Moyle Memorial Field Day Contest (JMMFD) was only available to members of the WIA.

This is completely UNTRUE, as the JMMFD contest is open to all licensed amateurs from VK, ZL and P29 who can submit a valid log. Being a member of the WIA, while desirable, it is IN NO WAY COMPULSORY.

A number of comments were made, that since the details of all contests as well as the JMMFD contest are on the website under the For Member's tab, and so it was only for Members.

Since the JMMFD contest information has been under the For Member's tab on the WIA website since when the new website was created a number of years ago, it is hard to accept that this was the only reason.

There was some discussion on one of the loggers, which had a number of very active contesters in the thread, who were indicating that the contest was only open to WIA members. Whether this was another significant reason for the reduction in logs being entered is not known. Maybe a specific statement from the WIA Board clarifying the matter could be made?

4. The other piece of disinformation that has been circulated was that the only valid scoring contacts for the JMMFD are with VK, ZL, and P29 stations.

It was also circulated that the only valid contacts for the JMMFD are with VK, ZL, and P29 stations. Contacts with 'DX' stations should, in their view, only score 0 points for any station operating in the JMMFD. **This has never been the case and ALL contacts with any station anywhere in the world for Portable and Home Stations alike that can exchange correct receptions reports and serial numbers form a valid scoring contact.**

Curiously, one of the most vocal groups, who had approximately 10% of their contacts from DX stations, which had been scored with points as allowed under the rules and this score included in their total. Maybe this was a way to increase their score relative to other contestants? This situation is not explicitly discussed in the rules, as it has never been seen as under contention.

5. General Rules for Contesting

Following the lengthy discussions in late 2011, which resulted in the publication of the **WIA General Rules for Contesting**, in which an unbending rule was that all logs in future, would have to be submitted in the electronic format called Cabrillo. Further the rules also stated that in future no logs would be permitted to be submitted on paper.

However, many hours were spent in 2012 preparing software to deal with any logs in this format – if any were submitted. My activities were a complete waste of my time as not a single log in 2012 was entered in that format.

My thoughts are that as this contest is a field day contest and all portable stations supplied by portable power, so many stations would keep their log on paper and only convert it into an electronic format after the contest. Despite the WIA General Rules requiring Cabrillo Format no entry was submitted in this format in either 2012 or 2013.

Further, I still feel that to exclude paper logs would prevent a significant number of entries from sole operator stations. In 2011 some 16% of logs were submitted on paper and in 2012 only 9% were on paper. Since only 6% of the logs were submitted on paper this year, this problem may with time fade away. However, to simply ban paper logs is discriminatory and is not supported in this contest.

It is my conjecture that in both of these examples above, the present version of the WIA **General Rules for Contesting** needs revision, as this document is trying to force Australian contests to fall into line with a few big overseas contests. Hence they are pointing Australian contesting in the wrong direction that is not desired, especially for the popular Field Day type contests.

6. The issue of scoring for CW contacts.

The number of All Mode contacts was very significantly higher than in the recent past. A good sign!

While CW is no longer a precondition for obtaining an Amateur licence, it is a skill that is widely distributed among existing operators and a skill that should be nurtured among the newer licence holders.

The rules for 2012 were adjusted to allow doubling the score for a contact on CW. For HF this was simple. However, for VHF contacts where there is a significant score already for the distance involved, the rules were amended for scoring VHF contacts on CW. This has been satisfactorily received without adverse comments.

7. The number of people who submitted logs claiming 'All Modes' and only logged contacts using SSB or FM.

The Modes allowed in the rules are VOICE (SSB or FM), Morse (CW) (Manual) and DIGITAL (Computer) Mode.

The PHONE (Voice) only Modes are SSB, DSB, FM, PM or AM. That is the modulation is an audio signal derived in the first instance from a microphone.

The alternative is hand CW Mode, which is one where the operator simply turns the carrier on and off according to Morse Code.

DIGITAL mode is one which uses a computer to control the transmitter and to decode the information to allow the operator to complete the contact.

ALL MODE, is any combination of the above modes.

It has been noted that a small number of stations with modern computer software have found that it is possible to change from computer generated CW which sends and decodes Morse to another digital mode PSK31 which the computer then sends and decodes without any operator intervention other than clicking an on-screen icon.

Hence the operator of such a station especially on VHF, when they get a call from another other similarly equipped stations; can both amass a very large score with simply a click of a mouse.

A contact can be made by these stations on Phone, then a contact on Digital and finally a contact on CW as the rules are currently written, consecutively, and not have to wait for 3 hours to repeat the call if they were restricted to only phone. They can further arrange the same contact on another band and repeat the process.

There was a small group of home stations in VK2 who worked with only one portable station and among themselves and all amassed large scores using this method. However, most of the group failed to submit a log to verify all of the contacts. I do not think this is in the spirit of the contest and the rules will be revised to overcome this dubious practice.

8. Club Stations

Club Stations were well operated and made some very big scores as a result of their combined efforts. Well done!!

The absence of a significant number of club Stations was noted. Many of the missing clubs had used their club call sign and achieved significant scores, but the club then did not take the time to submit a log. This is a sad reflection upon the efforts made by some, not being fully supported by other members of their club.

9. Low Power Contest

A suggestion was made by a few stations that a QRP category could be allowed. The suggestion was that only a station that can be carried in a backpack should be allowed for the operation of the station. There was only one log entered indicating that all operation was on low power. They are acknowledged on their certificate. It is still not thought to be necessary to create another category (see above).

It is interesting to note, the scores produced by some of the Foundation licences that submitted a log, does indicate that plenty of contacts were made on the restricted lower power permitted by their LCD.

10. The Future

Now it is over to you. There are always ways to improve anything, but scrapping something because it does not suit you is not possible, but if benefits are shown to be available, further changes can also be made to the contest to better serve the amateur community. But changes to force the majority to follow what suits a small minority is definitely not a good idea.

If you have any contribution to these topics, the Rules for this contest are available at the WIA web site at <http://www.wia.org.au/members/contests/johnmoyle/> which already contains my contact information and please feel free to contact me with your submission for further consideration.

Well done to all of those stations that participated in the contest and well done those who bothered to submit a log. It is hoped that the number of logs to be submitted next year will resume the recent trend of increased log numbers.

I wish to thank those who did send in photographs of their equipment set-up and personnel involved for inclusion in the AR magazine. These have been submitted to AR along with this report so please give Peter Freeman via e-mail at (editor@wia.org.au) anything else you have for later use for the magazine.

Denis Johnstone (VK4AE/VK3ZUX)
Contest Manager

Breakdown of Contacts by Call Area and Band

SHF/UHF/VHF BANDS

	10G P	10G C	5.7G P	5.7G C	3.4G P	3.4G C	2.4G P	2.4G C	1.2G P	1.2G C	70cm P	70cm C	2m P	2m C	6m P	6m C
VK1	0	0	0	0	0	0	0	0	0	0	36	9	102	18	27	6
	0	0	0	0	0	0	0	0	0	0	39	7	51	10	30	5
VK2	0	0	0	0	0	0	0	0	154	7	3418	258	8103	640	2224	143
	0	0	0	0	0	0	0	0	586	36	2701	167	4989	303	1567	124
VK3	0	0	0	0	0	0	94	7	570	51	3006	271	5652	449	1724	156
	0	2	60	0	35	4	742	48	2472	201	6825	633	12116	1105	6492	495
VK4	0	0	0	0	0	0	7	1	780	73	1269	119	2096	206	751	95
	0	0	0	0	0	0	0	0	369	39	1818	225	3417	427	564	107
VK5	0	0	64	2	0	0	96	3	430	26	665	32	956	52	106	9
	22	1	22	1	22	4	240	3	1392	57	2893	144	4307	210	786	44
VK6	0	0	0	0	0	0	0	0	0	0	0	0	24	6	0	0
	0	0	0	0	0	0	0	0	0	0	69	25	274	76	0	0
VK7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VK8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ZL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	0	0	64	2	0	0	197	11	1934	157	8394	689	16933	1371	4832	409
2012	22	1	22	1	57	8	982	58	4819	333	14345	1201	25154	2131	9439	775

Numbers in Bold are for 2013 and other details are from 2012

Breakdown of Contacts by Call Area and Band

HF BANDS

	10m P	10m C	15m P	15m C	20m P	20m C	40m P	40m C	80m P	80m C	160m P	160m C
VK1	24 0	13 11	14 0	7 0	218 56	107 27	530 501	260 306	70 42	34 21	0 0	0 0
VK2	81 55	55 31	309 71	115 38	2018 1494	1398 771	5937 6086	3259 3477	923 1957	482 1038	36 24	18 12
VK3	31 12	17 8	5 12	3 8	488 1460	277 738	3486 4099	1870 2098	658 1904	350 956	31 12	16 6
VK4	239 42	123 22	233 50	109 27	2317 2553	1066 1097	3539 3879	1879 2144	810 1622	409 864	58 8	31 4
VK5	32 8	16 4	232 30	116 15	1310 1300	680 665	2379 2996	1280 1653	358 890	192 471	36 0	18 0
VK6	138 2	69 1	40 2	20 1	410 638	205 321	392 390	198 201	102 118	51 62	4 0	2 0
VK7	0 0	0 0	0 3	0 2	27 77	15 39	111 115	70 61	25 159	15 81	0 0	0 0
VK8	104 0	52 0	192 2	56 1	300 462	138 234	80 20	40 10	0 0	0 0	0 0	0 0
P2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
ZL	0 0	0 0	6 0	3 0	94 124	47 69	152 108	760 56	178 47	99 25	0 0	0 0
2013 2012	649 119	345 66	1031 170	429 92	7284 8614	3985 3961	16606 18194	8932 10006	3124 6739	1632 3518	165 44	85 22

Numbers in Bold are for 2013 and other details are from 2012