

John Moyle Memorial Field Day 2011

24 Hour Portable Operation – Multiple Operator

Call Sign	Operators	Mode	Band	Contacts	Score	Place /Award
VK2SRC	Multi	All	All	1043	9094	1 /**/**
VK3ER	Multi	All	All	735	6062	2 /*
VK3JNH	Multi	Phone	All	277	2542	1 /*
VK3CNE	Multi	Phone	All	567	2311	2 /*
VK2WG	Multi	Phone	All	297	1850	3 /*
VK2HZ	Multi	Phone	All	485	1655	4 /*
VK3YVG	Multi	Phone	All	382	1351	5 /*
VK2BPK	Multi	Phone	All	163	1295	6 /*
VK3ANR	Multi	Phone	All	412	1096	7 /*
VK6ARG	Multi	Phone	All	291	769	8 /*
VK6KTV	Multi	Phone	All	169	417	9 /*
VK7WCN	Multi	Phone	All	172	344	10 /*
VK6AHR	Multi	Phone	All	154	306	11 /*
VK8DA	Multi	Phone	All	128	256	12 /*
VK8BP	Multi	Phone	All	120	240	13 /*
VK3UHF	Multi	Phone	VHF	287	3095	1 /*
VK2EH	Multi	Phone	VHF	85	1730	2 /*
VK4WIS	Multi	Phone	VHF	199	995	3 /*
VK4WIE	Multi	Phone	VHF	114	766	4 /*
VK4IZ	Multi	All	HF	820	1791	1 /*
VK2AWA	Multi	All	HF	800	1684	2 /*
VK4CHB	Multi	All	HF	224	460	3 /*
VK6LS	Multi	All	HF	226	452	4 /*
VK5LZ	Multi	Phone	HF	802	1604	1 /*
VK2AWX	Multi	Phone	HF	651	1302	2 /*
VK3FRC	Multi	Phone	HF	522	1044	3 /*
VK4WAT	Multi	Phone	HF	406	812	4 /*
VK5BAR	Multi	Phone	HF	399	798	5 /*
VK2AOJ	Multi	Phone	HF	347	694	6 /*
VK6SH	Multi	Phone	HF	279	558	7 /*
VK1MAT	Multi	Phone	HF	155	310	8 /*
VK4WIT	Multi	Phone	HF	148	296	9 /*

Six Hour Portable Operation – Multiple Operator

Call Sign	Operators	Mode	Band	Contacts	Score	Place /Award
VK3AWS	Multi	Phone	All	269	832	1 /*
VK5GRC	Multi	Phone	All	50	109	2 /*
VK4BAR	Multi	Phone	All	54	108	3 /*
VK1HW	Multi	Phone	HF	189	378	1 /*
VK2SF	Multi	Phone	HF	135	270	2 /*
VK7DIK	Multi	Phone	HF	68	136	3 /*
VK2BOR	Multi	Phone	HF	54	108	4 /*
VK8AR	Multi	Phone	HF	51	102	5 /*
ZL3UR	Multi	Phone	HF	45	90	6 /*
VK4WIL	Multi	All	HF	41	84	1 /*
VK5SR	Multi	Phone	VHF	57	1378	1 /*
VK5OM	Multi	Phone	VHF	4	80	2 /*

24 Hour Portable Operation – Single Operator

Call Sign	Operators	Mode	Band	Contacts	Score	Award
VK5KBJ	Single	Phone	All	131	571	1 /*
VK2ZTY	Single	Phone	All	31	296	2 /*
VK5CV	Single	Phone	All	54	255	3 /*
VK5FPAW	Single	Phone	All	14	49	4 /*
VK3VCL	Single	Phone	VHF	237	1285	1 /*
VK5FANA	Single	Phone	VHF	151	1171	2 /*
VK2IO	Single	Phone	VHF	46	572	3 /*
VK2JDS	Single	Phone	VHF	30	280	4 /*
VK4HF	Single	Phone	HF	614	1198	1 /*
VK4GH	Single	Phone	HF	529	1060	2 /*
VK2HBG	Single	Phone	HF	517	1034	3 /*
VK2ACH	Single	Phone	HF	164	328	4 /*
VK6YD	Single	Phone	HF	124	248	5 /*
VK6ZRW	Single	Phone	HF	111	222	6 /*
VK4NH	Single	Phone	HF	96	192	7 /*
VK3VGK	Single	Phone	HF	53	106	8 /*
VK5AR	Single	Phone	HF	30	60	9 /*
VK3MV	Single	All	HF	182	410	1 /*
VK4EV	Single	All	HF	71	154	2 /*
VK1WJ	Single	All	All	64	128	1 /*

Six Hour Portable Operation – Single Operator

Call Sign	Operators	Mode	Band	Contacts	Score	Award
VK5RX	Single	Phone	All	120	844	1 /*
VK4OE	Single	Phone	All	80	308	2 /*
VK5ZT	Single	Phone	All	41	195	3 /*
VK3EVL	Single	Phone	All	9	88	4 /*
VK3FEGL	Single	Phone	All	9	88	5 /*
VK3VFO	Single	Phone	VHF	34	561	1 /*
VK3FIX	Single	Phone	VHF	29	312	2 /*
VK1PE	Single	Phone	VHF	38	310	3 /*
VK3VMC	Single	Phone	VHF	30	248	4 /*
VK5ZD	Single	Phone	VHF	25	202	5 /*
VK5KDL	Single	Phone	VHF	13	130	6 /*
VK3FOAB	Single	Phone	VHF	7	36	7 /*
VK3HJA	Single	Phone	HF	127	254	1 /*
VK3VTH	Single	Phone	HF	112	224	2 /*
ZL2AYZ	Single	Phone	HF	90	180	3 /*
VK3ZPF	Single	Phone	HF	77	154	4 /*
VK3YE	Single	Phone	HF	60	120	5 /*
VK3AFW	Single	Phone	HF	53	104	6 /*
VK4FHYH	Single	Phone	HF	44	88	7 /*

/* Certificate Awarded

** President's Cup

/* Participation Certificate

Home Station – 24 Hour

Call Sign	Operators	Mode	Band	Contacts	Score	Award
VK7NET	Home	0	0	502	708	1 /*
VK4VDX	Home	0	0	410	655	2 /*
VK3FSTU	Home	0	0	244	418	3 /*
VK4MIT	Home	0	0	253	376	4 /*
VK5FPAS	Home	0	0	182	305	5 /*
VK2DF	Home	0	0	122	209	6
VK5FMPJ	Home	0	0	108	183	7 /\$
VK4MON	Home	0	0	81	142	8
ZL2AKM	Home	0	0	75	135	9
VK3GK	Home	0	0	79	129	10
VK3AKT	Home	0	0	65	112	11
VK5NE	Home	0	0	58	111	12
VK2RZ	Home	0	0	61	108	13
VK3LDR	Home	0	0	47	86	14
VK2UH	Home	0	0	40	69	15
VK5FMJF	Home	0	0	44	65	16 /\$
VK3JDA	Home	0	0	36	62	17
VK2KTT	Home	0	0	29	47	18
VK6HX	Home	0	0	25	46	19
VK4FJAM	Home	0	0	27	43	20 /\$
VK5MK	Home	0	0	20	32	21
VK2AWJ	Home	0	0	14	25	22
VK3FCAA	Home	0	0	14	25	23 /\$
VK3HGB	Home	0	0	12	19	24
VK5RG	Home	0	0	3	6	25

Home Station – 6 Hour

Call Sign	Operators	Mode	Band	Contacts	Score	Award
VK2KDP	Home	0	0	196	305	1 /*
VK2DAG	Home	0	0	192	290	2 /*
VK5KV	Home	0	0	150	228	3 /*
VK2AFY	Home	0	0	151	215	4
VK2EI	Home	0	0	67	113	5
VK5ALX	Home	0	0	55	99	6
VK3FBCG	Home	0	0	44	82	7 /\$
VK3CVF	Home	0	0	45	72	8
VK4DGU	Home	0	0	38	71	9
VK4PJC	Home	0	0	37	69	10
VK6WJ	Home	0	0	37	65	11
VK3KTM	Home	0	0	28	44	12
VK7FEET	Home	0	0	20	36	13 /\$
VK4KML	Home	0	0	22	35	14
VK3ADB	Home	0	0	20	34	15
VK3ZHQ	Home	0	0	17	32	16
VK5PX	Home	0	0	16	29	17
VK4ATH	Home	0	0	14	27	19
VK2XPT	Home	0	0	15	23	18
VK5KPR	Home	0	0	11	18	20
VK4PQ	Home	0	0	7	12	21

/* Certificate Awarded

** President's Cup

/\$ Participation Certificate

Comments on John Moyle Memorial National Field Day 2011

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 129. This was an increase from the 122 logs received last year. It was good to see several ZL stations take part this year, and three stations submitted their log. Well done to all who took part.

I have included all of the results that I received in the totals 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 to me despite my most careful procedures and cross checking.

Based upon submitted logs, there were some 20,857 contacts, amounting to some 71,736 points claimed, a 10.4% decrease from 2010. This was pretty heavy contesting, but unfortunately it resulted in just 129 logs being submitted.

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 disappointment. Some multiple operator stations got very big scores this and perhaps it 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	184 (142)	12 (8)				
5.7 GHz	154 (90)	8 (4)				
3.4 GHz	284 (60)	22 (6)				
2.4 GHz	494 (430)	41 (30)				
23cm	3,193 (3,642)	319 (341)				
70 cm	9,511 (10,377)	962 (1,163)				
2m			17,902 (20,248)	1,841 (2,133)		
6m			6,882 (8,082)	564 (844)		
10m					202 (122)	97 (68)
15m					410 (854)	195 (415)
20m					6,719 (7,436)	3,374 (3,387)
40m					18,652 (22,520)	9,764 (11,948)
80m					7028 (5,892)	3,621 (3,140)
160m					121 (192)	55 (86)
Total	13,820 (14,741)	1,364 (1,552)	24,784 (28,330)	2,405 (2,977)	33,132 (37,106)	17,088 (19,044)

Table should be read – **2011 results in bold** (with (2010 results) in brackets)

Activity was carried out on all bands permitted under the rules. There was not a noticeably increased activity on HF, and the frequencies in use followed the low sunspot cycle. This sunspot cycle is only just after the bottom of the cycle and conditions did not appear to improve substantially this year.

In the higher UHF and Microwave bands there was an increase in activity, but not yet back to the peak in 2008. Maybe it follows a weather cycle, rather than the solar cycle?

The scoring in the UHF range was around the same as for last year. The VHF range the number of contacts is about the same as for 2010. The absence of the larger VK2 & VK4 club stations, because of the miserable weather certainly reduced activity, with a number of stations making such comments.

The other major change noticed this year was the increase in Portable Station operation, and a decrease in Home Station operation. Clearly there were some portable station operators who did not bother to submit a log and are again strongly encouraged to do so next year.

The participation across the various Call Areas was patchy. There was a reduction in the number of Portable stations in VK2 and an increase in Portable stations in the other states as more Portable stations ventured into the field to take advantage of the kinder weather?

Call Area	Portable		Home		Total	
	2011	2010	2011	2010	2011	2010
VK1	4	1	0	2	4	3
VK2	15	22	10	15	25	37
VK3	23	18	12	8	34	26
VK4	14	14	9	10	23	24
VK5	14	10	10	9	24	19
VK6	7	5	2	4	9	9
VK7	2	1	2	1	4	2
VK8	3	1	0	0	3	1
P2	0	0	0	0	0	0
ZL	2	1	1	0	3	1
	84	73	46	49	129	122
	2011	2010	2011	2010	2011	2010

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

A pleasing increase to Thirteen Foundation Licensed operators submitted a log. (None from VK2, five were from VK3, two were from VK4, five from VK5 and one from VK7.) There were many more stations than this logged during the contest. All logs submitted by foundation operators were awarded a certificate. Logs from club station showed that quite a number took part, as part of the club station efforts.

Comparison between 2011 and Earlier Years

Year	Logs	Contacts	Points
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

There were still only 85% of logs submitted electronically this 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.

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, TXT or the ADI 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.

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.

This year, despite the rule change making it very clear that an electronic log is required for a multi-operator entry, there were still a few individuals and clubs who submitted their log only handwritten on paper. All multi operator stations who submitted a handwritten log were asked to submit an electronic version of their log. All but one group willingly cooperated and sent them in to me. One group in VK3 adopted a very childish and petulant attitude when requested that they submit their log of some 300 contacts in an electronic format. After much correspondence back and forth, and their continued refusal to abide by the rules, despite having a very good score, they finally, they finally very reluctantly complied and submitted a log in an electronically readable format.

Next year, club stations will only be eligible to submit an entry, if their log is submitted electronically. (Paper logs from club stations are welcomed as a backup, if required, but the extensive amount of work required to manually check large paper logs is no longer acceptable, especially if the club station log has been prepared on a computer.)

A note for all HF Stations; - Any 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.

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 31 possible alternative categories as shown below. Each category is actually completely independent from every other category and so there are in fact 31 parallel contests. In this way it is completely different from any other contest presently in Australia.

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

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 comparable. Only scores within the same category are correctly comparable. The award of the Presidents Cup is a parallel contest. It is awarded to the highest score from a Club Station, affiliated with the WIA, in any category.

However, there were two very contentious problems to do with scoring of contacts arose: -

2. The comparative difference in score and scoring between Portable and Home Stations HF and VHF/UHF contacts.

A number of Home stations observed that with the miserable weather especially in VK2 and VK4 the number of portable stations in the field was lower than usual.

As a result the scores among those portable stations who did venture into the field were considerably lower than usual.

A number of stations who would normally have ventured into the field have suggested that in the event of miserable weather many stations would have operated as Home Stations, but felt that with the 'Abysmal Score' afforded to Home Stations in contact with a Portable Station, irrespective of the distance and effort involved. The JMMFD is not intended as a vhf dx contest, but due to the presence of increased numbers of field stations at good vhf locations it does become at least a QSO party, with contacts being made feasible that are usually out of the question.

As the goal of the contest are to promote portable capability as a training exercise for emergencies, and that's all, then the rules need to be framed around those objectives. The rules need to assist and encourage field stations, while providing incentives for the stations they want to work (including home stations) to give them as many contacts as possible.

For the field day contest it is my view that Home Stations are not competing with Portable Stations, so giving them the same points as Portable Stations does not treat either side of the contact unfairly. Home Stations are competing only with other Home Stations, and one that can work a far distant vhf field station deserves a reward that the other station who cannot work the DX, has to work hard to make up for.

Hence in next year's contest there will be additional categories for the Home Stations. For scoring see Sect. 7 below.

Another regular request is to include a Multi Operator category for Home Stations. I will not support this change as it unnecessarily increases the number of categories.

Table of alternative 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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3. 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 2011 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 it is planned to amend the rules for scoring VHF contacts. See Sect. 7 Below.

4. 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 PHONE (SSB or FM), CW (Manual) and DIGITAL (Computer) Mode.

The PHONE 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 alternatives are either hand CW, that simply turns the carrier on and off or; DIGITAL mode which uses computers to control the transmitter or to complete the contact.

5. Club Stations

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

The logging issue from last year was largely resolved with one exception as already noted.

6. 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 were three log entries indicating that all operation was on low power. Next year QRP operation will be allowed as part of the rules.

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

7. Revised Scoring Rules

Scoring of contacts in future field days will be simplified.

All HF contacts made by a Home Station –	with a Home Station score	1 point;
	with a Portable Station score	2 points;
	On CW with any station score	4 points.
All HF contacts made by a Portable Station	with any station score	2 points;
	On CW with any station score	4 points.
All VHF contacts made by a Home Station	with a Home Station score	1 point;
	with a Portable Station score	2 points;
	On CW with any station score	4 points.
All VHF contacts made by a Portable Station	with any station score	2 points;
	On CW with any station score	4 points.

All VHF contacts will ADD to the score above, the Distance Score for 6m

- a. 0 - 49 km, 2 points per QSO;
- b. 50 - 99 km, 5 points per QSO;
- c. 100 - 149 km, 10 points per QSO;
- d. 150 - 299 km, 20 points per QSO;
- e. 300 - 499 km, 30 points per QSO;
- f. 500 km and greater, 2 points per QSO.

(On 6m when band conditions are enhanced distances greater than 1,000km can be accomplished with comparative ease, like on HF, and hence the lower score for the longer distance.)

All VHF Contacts will ADD to the score above, the Distance Score on 144 MHz and higher:

- a. 0 to 49 km, 2 points per QSO;
- b. 50 to 99 km, 5 points per QSO;
- c. 100 to 149 km, 10 points per QSO;
- d. 150 to 300 km, 20 points per QSO.
- e. 300 km and greater, 30 points per QSO.

This will make it a little easier as all stations follow the same scoring rules. It will also provide some incentive for Home stations to provide contacts for Portable Stations if they are unable to set up a field station, for whatever the reason.

8. 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 better serve the amateur community.

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/contests/john moyle](http://www.wia.org.au/contests/john_moyle) 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 return to 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 (<http://editor-armag@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	0 0	0 0	0 0	0 0	0 0	123 0	14 0	157 0	18 0	26 0	4 0
VK2	0 0	0 0	0 0	0 0	0 0	0 0	0 8	0 3	383 695	27 69	3344 2003	205 275	7518 5561	456 576	2865 2550	176 302
VK3	60 32	2 3	60 0	2 0	60 0	2 0	350 322	33 21	1994 2283	201 187	3825 5477	408 442	7077 9419	827 817	3346 4616	266 348
VK4	0 0	0 0	0 0	0 0	0 0	0 0	0 30	0 3	213 311	47 35	523 623	124 100	933 2262	182 330	488 637	90 132
VK5	124 110	10 5	94 90	6 4	224 60	20 6	144 70	8 3	603 353	44 50	1539 2166	180 313	1887 2267	271 332	127 273	16 59
VK6	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	157 108	31 33	322 232	83 71	30 6	12 3
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	2 12	1 7	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	6 0	3 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
2011 2010	184 142	12 8	154 90	8 4	284 60	22 2	474 430	41 30	3193 3642	319 341	9511 10377	962 1163	17902 20248	1841 2113	6882 8082	564 844

Numbers in Bold are for 2011 and other details are from 2010

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	22 0	11 0	16 2	8 1	42 19	21 10	698 796	349 545	42 76	21 42	0 0	0 0
VK2	2 24	1 9	78 160	26 57	938 2673	456 1026	5905 11423	3080 5811	2563 2683	1308 1423	0 71	0 30
VK3	37 22	19 13	34 26	18 13	830 519	422 268	4223 2991	2135 1652	1544 776	787 393	0 10	0 5
VK4	54 39	22 21	91 547	47 275	2175 2636	1086 1252	3863 3727	2021 1932	1346 1304	688 690	56 77	22 34
VK5	49 23	25 20	66 57	33 37	882 744	453 405	2228 2435	1183 1345	490 621	256 345	65 34	33 17
VK6	2 10	1 5	82 26	41 14	1214 675	609 341	703 435	352 218	573 28	287 15	0 0	0 0
VK7	0 0	0 0	2 2	1 1	159 8	84 4	787 575	501 376	274 286	175 173	0 0	0 0
VK8	36 4	18 2	38 34	19 17	402 136	201 68	78 42	39 21	18 44	9 22	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	3 0	2 0	77 26	42 13	167 96	86 48	158 74	80 37	0 0	0 0
2011 2010	202 122	97 68	410 854	195 414	6719 7436	3374 3387	18652 22520	9746 11948	7082 5892	3621 3140	121 192	55 86

Numbers in Bold are for 2011 and other details are from 2010