

# Ergebnisse HSC-CW-Contest Februar 2018

## (Results of the February 2018 HSC-CW-Contest)

V1.0, 19-03-2018

| <b>Configuration</b>   |  |
|--|--|
| Date, Time   | <b>25-02-2018, 9-11 / 15-17 UTC</b>  |
| Valid bands (mtr)  | <b>80, 40, 20, 15, 10</b>  |
| Exchange   | <b>RST #HSC (mbr)<br/>RST NM (non-mbr)</b>   |
| Points for HSC mbr call  | <b>5</b>   |
| Points for NM call   | <b>1</b>   |
| DXCC Multi<br>(for HSC mbr call per band and per period; total over both periods)  | <b>ON</b>  |
| Threshold x for "Uniques"<br>Uniques – no log for callsign submitted into database AND callsign cannot be found at least x times in different logs | <b>2</b>   |
| HSC mbr list up to #   | <b>1961</b>  |
| Evaluation software  | <b>HA1AH Contest Evaluator</b>   |
| HSC Contest Champion of the Year   | <b>win 2 times in any category (over the calendar year), category with min 10 participants</b>   |
| Contest Manager  | <b>Jörg, PA1MUC / DL3LUM</b>   |
| # Incoming logs in database  | <b>122 (+11 vs. Feb'17; +10 vs. Nov'17)</b>  |
| Log submission deadline  | <b>18-03-2018, 23:59 UTC</b>   |
| # Total valid participant callsigns in database without "Uniques"  | <b>267</b>   |
| All participants' DXCC countries in database without "Uniques"   | <b>4U, 4X, 9A, DL, E7, EA8, EI, EW, F, G, GM, HA, HB9, I, KP3, LA, LY, LZ, OE, OH, OK, OM, ON, OZ, P4, PA, UA, S5, SM, SP, SV, TA, UR, VK, W, YO, Z3</b> |

**Qualified for the Final of the HSC Contest Champion of the Year 2018**

**DL6KVA, DL1HAA, DL3AMB**

| <b>Klasse 1 (Mitglieder - Members)</b> |               |            |            |           |           |           |            |               |              |              |
|--|---------------|------------|------------|-----------|-----------|-----------|------------|---------------|--------------|--------------|
| <b>Platz</b>                           | <b>Call</b>   | <b>80</b>  | <b>40</b>  | <b>20</b> | <b>15</b> | <b>10</b> | <b>QSO</b> | <b>Points</b> | <b>Multi</b> | <b>Total</b> |
| <b>1</b>                               | <b>DL6KVA</b> | <b>82</b>  | <b>146</b> | <b>17</b> | <b>0</b>  | <b>0</b>  | <b>245</b> | <b>993</b>    | <b>54</b>    | <b>53622</b> |
| <b>2</b>                               | <b>DL2CC</b>  | <b>108</b> | <b>119</b> | <b>17</b> | <b>0</b>  | <b>0</b>  | <b>244</b> | <b>924</b>    | <b>57</b>    | <b>52668</b> |
| <b>3</b>                               | <b>SM9A</b>   | <b>93</b>  | <b>138</b> | <b>36</b> | <b>0</b>  | <b>0</b>  | <b>267</b> | <b>1007</b>   | <b>51</b>    | <b>51357</b> |
| 4                                      | DF4XX         | 129        | 113        | 16        | 0         | 0         | 258        | 982           | 50           | 49100        |
| 5                                      | DL1VDL        | 114        | 128        | 21        | 1         | 1         | 265        | 961           | 47           | 45167        |
| 6                                      | DL5XJ         | 107        | 129        | 10        | 0         | 0         | 246        | 934           | 48           | 44832        |
| 7                                      | DL1BUG        | 122        | 110        | 7         | 0         | 0         | 239        | 915           | 46           | 42090        |
| 8                                      | DK2FG         | 169        | 90         | 0         | 0         | 0         | 259        | 939           | 44           | 41316        |
| 9                                      | HA3OU         | 61         | 178        | 7         | 0         | 0         | 246        | 918           | 42           | 38556        |
| 10                                     | DL4ME         | 127        | 79         | 0         | 0         | 0         | 206        | 802           | 45           | 36090        |
| 11                                     | DL5YL         | 114        | 89         | 2         | 1         | 1         | 207        | 799           | 42           | 33558        |
| 12                                     | DJ7AO         | 136        | 82         | 1         | 0         | 0         | 219        | 787           | 41           | 32267        |
| 13                                     | DL1CW         | 88         | 93         | 6         | 0         | 0         | 187        | 723           | 41           | 29643        |
| 14                                     | LY2MM         | 66         | 159        | 1         | 0         | 0         | 226        | 810           | 34           | 27540        |
| 15                                     | DL3TC         | 110        | 63         | 6         | 0         | 0         | 179        | 655           | 41           | 26855        |
| 16                                     | DL3FF         | 132        | 53         | 2         | 0         | 0         | 187        | 699           | 38           | 26562        |
| 17                                     | DL8LBK        | 95         | 75         | 11        | 0         | 0         | 181        | 693           | 36           | 24948        |
| 18                                     | LA7MFA        | 38         | 135        | 3         | 0         | 0         | 176        | 668           | 36           | 24048        |
| 19                                     | DL1DXL        | 84         | 65         | 4         | 1         | 1         | 155        | 611           | 38           | 23218        |
| 20                                     | DK4LX         | 83         | 48         | 7         | 0         | 0         | 138        | 594           | 36           | 21384        |
| 21                                     | DL4FDM        | 60         | 66         | 0         | 0         | 0         | 126        | 538           | 39           | 20982        |
| 22                                     | SM6CNX        | 61         | 86         | 5         | 0         | 0         | 152        | 592           | 33           | 19536        |
| 23                                     | DL9JSO        | 117        | 45         | 0         | 0         | 0         | 162        | 590           | 32           | 18880        |
| 24                                     | HA1AG         | 69         | 85         | 0         | 0         | 0         | 154        | 570           | 32           | 18240        |
| 25                                     | DF4BV         | 110        | 29         | 3         | 0         | 0         | 142        | 550           | 33           | 18150        |
| 26                                     | DL5DBY        | 98         | 43         | 6         | 0         | 0         | 147        | 575           | 31           | 17825        |
| 27                                     | S59AA         | 46         | 124        | 0         | 0         | 0         | 170        | 606           | 28           | 16968        |
| 28                                     | G0IBN         | 21         | 121        | 2         | 0         | 0         | 144        | 592           | 27           | 15984        |
| 29                                     | DL9UJF        | 82         | 53         | 0         | 0         | 0         | 135        | 515           | 30           | 15450        |
| 30                                     | PA1MUC        | 36         | 77         | 3         | 0         | 0         | 116        | 476           | 32           | 15232        |
| 31                                     | DM2DZM        | 80         | 50         | 0         | 0         | 0         | 130        | 530           | 27           | 14310        |
| 32                                     | DL8CO         | 53         | 47         | 1         | 0         | 0         | 101        | 433           | 32           | 13856        |
| 33                                     | DK3GI         | 98         | 33         | 0         | 0         | 0         | 131        | 471           | 28           | 13188        |
| 34                                     | OK1FIM        | 53         | 78         | 2         | 0         | 0         | 133        | 493           | 26           | 12818        |
| 35                                     | HB9BJL        | 48         | 52         | 2         | 0         | 0         | 102        | 442           | 28           | 12376        |

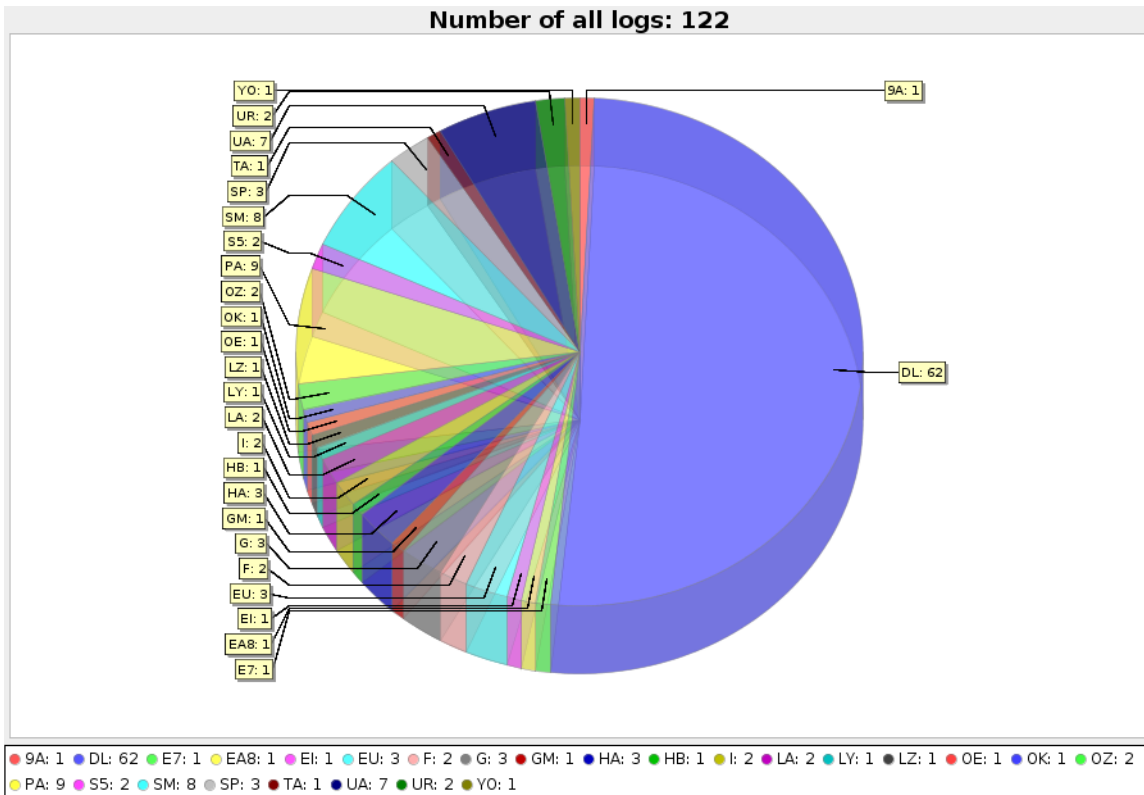
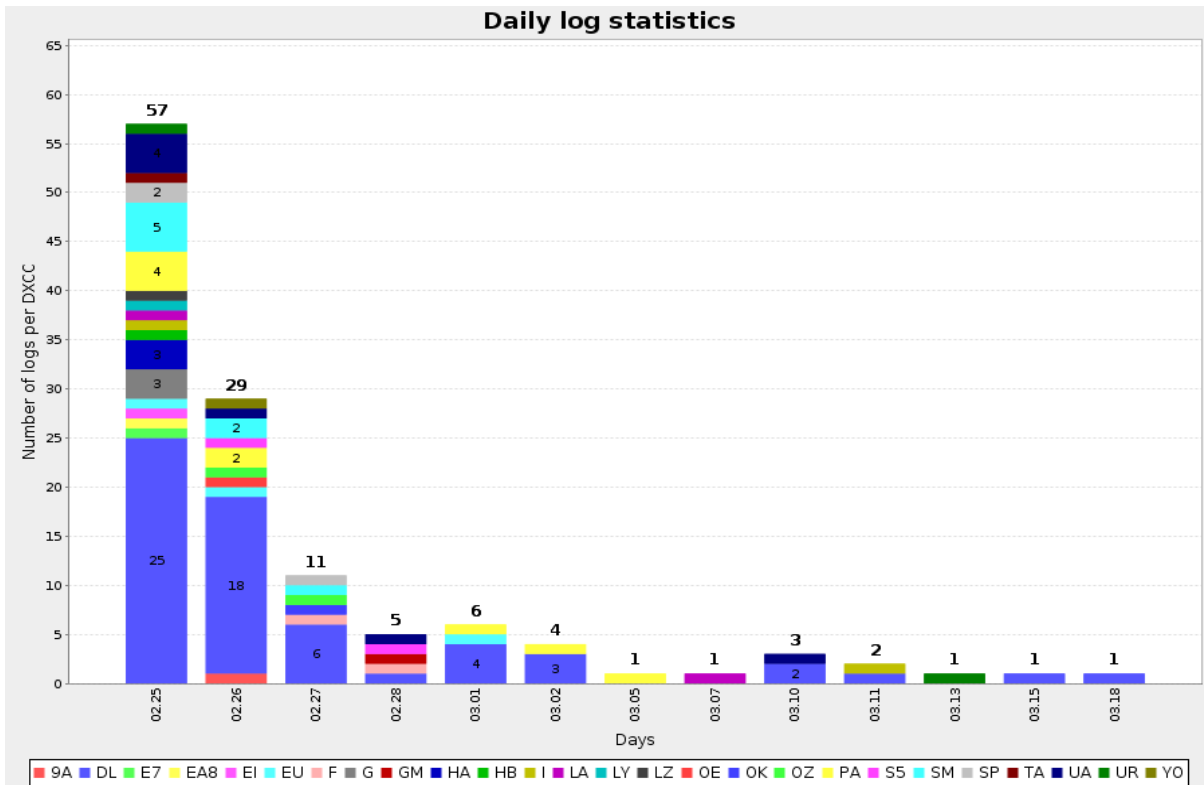
| <b>Klasse 1 (Mitglieder - Members)</b> |             |           |           |           |           |           |            |               |              |              |
|--|-------------|-----------|-----------|-----------|-----------|-----------|------------|---------------|--------------|--------------|
| <b>Platz</b>                           | <b>Call</b> | <b>80</b> | <b>40</b> | <b>20</b> | <b>15</b> | <b>10</b> | <b>QSO</b> | <b>Points</b> | <b>Multi</b> | <b>Total</b> |
| 36                                     | SM6EWB      | 38        | 102       | 0         | 0         | 0         | 140        | 572           | 21           | 12012        |
| 37                                     | DJ3TU       | 45        | 61        | 1         | 0         | 0         | 107        | 439           | 27           | 11853        |
| 38                                     | DK3AX       | 47        | 49        | 0         | 0         | 0         | 96         | 372           | 30           | 11160        |
| 39                                     | PA4M        | 59        | 51        | 4         | 0         | 0         | 114        | 462           | 23           | 10626        |
| 40                                     | HA3NU       | 35        | 60        | 1         | 0         | 0         | 96         | 380           | 26           | 9880         |
| 41                                     | G4ILW       | 11        | 89        | 2         | 0         | 0         | 102        | 426           | 23           | 9798         |
| 42                                     | F6FLF       | 19        | 86        | 1         | 0         | 0         | 106        | 434           | 20           | 8680         |
| 43                                     | DK1WI       | 34        | 45        | 5         | 0         | 0         | 84         | 360           | 23           | 8280         |
| 44                                     | OE1TKW      | 36        | 64        | 0         | 0         | 0         | 100        | 396           | 18           | 7128         |
| 45                                     | PA0DIN      | 29        | 33        | 1         | 0         | 0         | 63         | 283           | 22           | 6226         |
| 46                                     | PA5TT       | 48        | 33        | 0         | 0         | 0         | 81         | 309           | 18           | 5562         |
| 47                                     | GM3JKS      | 19        | 56        | 3         | 0         | 0         | 78         | 310           | 17           | 5270         |
| 48                                     | 3Z1K        | 45        | 49        | 0         | 0         | 0         | 94         | 314           | 16           | 5024         |
| 49                                     | DL5YM       | 27        | 29        | 10        | 1         | 1         | 68         | 256           | 19           | 4864         |
| 50                                     | DA0HSC      | 37        | 20        | 0         | 0         | 0         | 57         | 245           | 19           | 4655         |
| 51                                     | I6MAT       | 21        | 52        | 0         | 0         | 0         | 73         | 313           | 14           | 4382         |
| 52                                     | DF1LX       | 42        | 9         | 0         | 0         | 0         | 51         | 239           | 17           | 4063         |
| 53                                     | DJ7IK       | 38        | 14        | 0         | 0         | 0         | 52         | 236           | 17           | 4012         |
| 54                                     | DL3KWF      | 53        | 24        | 0         | 0         | 0         | 77         | 241           | 15           | 3615         |
| 55                                     | I2QIL       | 10        | 31        | 0         | 0         | 0         | 41         | 185           | 14           | 2590         |
| 56                                     | DJ6PC       | 11        | 23        | 0         | 0         | 0         | 34         | 146           | 15           | 2190         |
| 57                                     | OZ4FF       | 23        | 16        | 1         | 0         | 0         | 40         | 164           | 12           | 1968         |
| 58                                     | DL2ROM      | 29        | 23        | 0         | 0         | 0         | 52         | 204           | 9            | 1836         |
| 59                                     | S58Q        | 0         | 56        | 0         | 0         | 0         | 56         | 208           | 8            | 1664         |
| 60                                     | DF5DW       | 21        | 13        | 0         | 0         | 0         | 34         | 158           | 8            | 1264         |
| 61                                     | RK2M        | 0         | 39        | 4         | 0         | 0         | 43         | 147           | 8            | 1176         |
| 62                                     | EA8OM       | 0         | 5         | 31        | 0         | 0         | 36         | 144           | 8            | 1152         |
| 63                                     | DL2FCA      | 16        | 11        | 0         | 0         | 0         | 27         | 127           | 8            | 1016         |
| 64                                     | TA2DA/4     | 0         | 7         | 20        | 0         | 0         | 27         | 99            | 10           | 990          |
| 65                                     | OZ2A        | 0         | 14        | 0         | 0         | 0         | 14         | 66            | 7            | 462          |
| 66                                     | PA0VLA      | 2         | 7         | 0         | 0         | 0         | 9          | 41            | 7            | 287          |
| 67                                     | 9A3SM       | 0         | 11        | 0         | 0         | 0         | 11         | 47            | 2            | 94           |

| <b>Klasse 2 (Nichtmitglieder - Non-Members)</b> |               |           |            |           |           |           |            |               |              |              |
|---|---------------|-----------|------------|-----------|-----------|-----------|------------|---------------|--------------|--------------|
| <b>Platz</b>                                    | <b>Call</b>   | <b>80</b> | <b>40</b>  | <b>20</b> | <b>15</b> | <b>10</b> | <b>QSO</b> | <b>Points</b> | <b>Multi</b> | <b>Total</b> |
| <b>1</b>  | <b>DL1HAA</b> | <b>82</b> | <b>51</b>  | <b>1</b>  | <b>0</b>  | <b>0</b>  | <b>134</b> | <b>550</b>    | <b>36</b>    | <b>19800</b> |
| <b>2</b>  | <b>F6JOE</b>  | <b>38</b> | <b>100</b> | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>138</b> | <b>570</b>    | <b>32</b>    | <b>18240</b> |
| <b>3</b>  | <b>DJ1YF</b>  | <b>52</b> | <b>62</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>114</b> | <b>490</b>    | <b>35</b>    | <b>17150</b> |
| 4   | DK5XG         | 89        | 46         | 0         | 0         | 0         | 135        | 531           | 31           | 16461        |
| 5   | DL8HK         | 54        | 48         | 0         | 0         | 0         | 102        | 450           | 33           | 14850        |
| 6   | PC5C          | 53        | 55         | 0         | 0         | 0         | 108        | 420           | 29           | 12180        |
| 7   | G4NVR         | 25        | 54         | 2         | 0         | 0         | 81         | 385           | 30           | 11550        |
| 8   | DJ9MH         | 47        | 38         | 2         | 0         | 0         | 87         | 379           | 28           | 10612        |
| 9   | DJ2AX         | 59        | 30         | 1         | 0         | 0         | 90         | 394           | 25           | 9850         |
| 10  | EU6DX         | 32        | 66         | 0         | 0         | 0         | 98         | 418           | 23           | 9614         |
| 11  | E77EA         | 44        | 75         | 0         | 0         | 0         | 119        | 451           | 20           | 9020         |
| 12  | DF1ZA         | 32        | 32         | 3         | 0         | 0         | 67         | 319           | 28           | 8932         |
| 13  | DL1NKS        | 105       | 11         | 0         | 0         | 0         | 116        | 440           | 20           | 8800         |
| 14  | DJ7MH         | 64        | 32         | 0         | 0         | 0         | 96         | 392           | 21           | 8232         |
| 15  | DL3DW         | 40        | 31         | 2         | 0         | 0         | 73         | 325           | 24           | 7800         |
| 16  | EU8F          | 17        | 81         | 0         | 0         | 0         | 98         | 386           | 20           | 7720         |
| 17  | DL5IAH        | 49        | 24         | 1         | 0         | 0         | 74         | 286           | 19           | 5434         |
| 18  | DM7M          | 57        | 16         | 0         | 0         | 0         | 73         | 277           | 18           | 4986         |
| 19  | DL5JAB        | 27        | 33         | 1         | 0         | 0         | 61         | 253           | 19           | 4807         |
| 20  | SF3A          | 14        | 55         | 0         | 0         | 0         | 69         | 277           | 16           | 4432         |
| 21  | DK9MH         | 33        | 20         | 0         | 0         | 0         | 53         | 221           | 14           | 3094         |
| 22  | SM5S          | 10        | 57         | 0         | 0         | 0         | 67         | 239           | 12           | 2868         |
| 23  | PA5WT         | 0         | 51         | 1         | 0         | 0         | 52         | 180           | 15           | 2700         |
| 24  | PA3AAV        | 0         | 51         | 0         | 0         | 0         | 51         | 219           | 12           | 2628         |
| 25  | PA3DBS        | 30        | 20         | 0         | 0         | 0         | 50         | 198           | 13           | 2574         |
| 26  | SA0BXV        | 21        | 19         | 0         | 0         | 0         | 40         | 176           | 14           | 2464         |
| 27  | LZ2CH         | 0         | 25         | 11        | 0         | 0         | 36         | 152           | 12           | 1824         |
| 28  | SM5DXR        | 18        | 18         | 0         | 0         | 0         | 36         | 144           | 10           | 1440         |
| 29  | DL7UEB        | 14        | 11         | 0         | 0         | 0         | 25         | 117           | 12           | 1404         |
| 30  | EI8JX         | 0         | 28         | 0         | 0         | 0         | 28         | 140           | 9            | 1260         |
| 31  | DK5KF         | 0         | 19         | 0         | 0         | 0         | 19         | 75            | 10           | 750          |
| 32  | UA3DCE        | 0         | 20         | 0         | 0         | 0         | 20         | 88            | 8            | 704          |
| 33  | SQ9S          | 0         | 30         | 0         | 0         | 0         | 30         | 82            | 7            | 574          |
| 34  | DK3ZR         | 14        | 7          | 0         | 0         | 0         | 21         | 93            | 6            | 558          |
| 35  | DL0XK         | 0         | 17         | 0         | 0         | 0         | 17         | 65            | 8            | 520          |
| 36  | SD1A          | 20        | 5          | 0         | 0         | 0         | 25         | 93            | 5            | 465          |
| 37  | R6KEE         | 0         | 7          | 8         | 0         | 0         | 15         | 67            | 6            | 402          |
| 38  | DL0PB         | 10        | 4          | 0         | 0         | 0         | 14         | 66            | 6            | 396          |
| 39  | UC5D          | 0         | 3          | 0         | 0         | 0         | 3          | 15            | 3            | 45           |
| 40  | YO3GNF        | 0         | 2          | 1         | 0         | 0         | 3          | 11            | 1            | 11           |

| <b>Klasse 3 (QRP)</b> |               |           |           |           |           |           |            |               |              |              |
|-----------------------|---------------|-----------|-----------|-----------|-----------|-----------|------------|---------------|--------------|--------------|
| <b>Platz</b>          | <b>Call</b>   | <b>80</b> | <b>40</b> | <b>20</b> | <b>15</b> | <b>10</b> | <b>QSO</b> | <b>Points</b> | <b>Multi</b> | <b>Total</b> |
| <b>1</b>              | <b>DL3AMB</b> | <b>67</b> | <b>36</b> | <b>1</b>  | <b>0</b>  | <b>0</b>  | <b>104</b> | <b>428</b>    | <b>27</b>    | <b>11556</b> |
| <b>2</b>              | <b>DJ1YFK</b> | <b>31</b> | <b>77</b> | <b>2</b>  | <b>0</b>  | <b>0</b>  | <b>110</b> | <b>446</b>    | <b>25</b>    | <b>11150</b> |
| <b>3</b>              | <b>DL3HQN</b> | <b>49</b> | <b>28</b> | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>77</b>  | <b>353</b>    | <b>25</b>    | <b>8825</b>  |
| 4                     | DL8AWK        | 64        | 19        | 1         | 0         | 0         | 84         | 380           | 22           | 8360         |
| 5                     | DJ9EG         | 43        | 24        | 2         | 0         | 0         | 69         | 285           | 21           | 5985         |
| 6                     | RW3AI         | 14        | 20        | 8         | 0         | 0         | 42         | 186           | 16           | 2976         |
| 7                     | DJ8WZ         | 24        | 22        | 0         | 0         | 0         | 46         | 194           | 14           | 2716         |
| 8                     | DL6MWG        | 11        | 5         | 0         | 0         | 0         | 16         | 80            | 7            | 560          |
| 9                     | UA1CEG        | 2         | 10        | 0         | 0         | 0         | 12         | 52            | 5            | 260          |
| 10                    | EW1FM         | 0         | 10        | 1         | 0         | 0         | 11         | 51            | 5            | 255          |

| <b>Klasse 4 (SWL)</b> |                |           |           |           |           |           |            |               |              |              |
|-----------------------|----------------|-----------|-----------|-----------|-----------|-----------|------------|---------------|--------------|--------------|
| <b>Platz</b>          | <b>Call</b>    | <b>80</b> | <b>40</b> | <b>20</b> | <b>15</b> | <b>10</b> | <b>QSO</b> | <b>Points</b> | <b>Multi</b> | <b>Total</b> |
| <b>1</b>              | <b>US-Q-73</b> | <b>12</b> | <b>44</b> | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>56</b>  | <b>228</b>    | <b>16</b>    | <b>3648</b>  |
| <b>2</b>              | <b>SP4-208</b> | <b>2</b>  | <b>19</b> | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>21</b>  | <b>105</b>    | <b>8</b>     | <b>840</b>   |

**Checklogs:** LA0CX, UA1AUW, UR7MZ



### Hinweis:

- Danke für die Nutzung des neuen Online Systems mit den nötigen Logs im Cabrillo Format. Dies erleichtert die Auswertung enorm. Und die Endresultate sind schneller verfügbar.
- In der gesamten Logdatenbank wurden alle „unique“ Rufzeichen UND ohne Logeinsendung nicht mit Punkten berücksichtigt. Man sollte immer sicherstellen, dass die Gegenstation auch im gleichen Contest mitwirkt! Dafür immer klar und deutlich für den HSC Contest rufen, z.B. CQ HSC HSC test...oder sorgfältig auf den Ruf einer anderen Station achten bevor man diese anruft.
- **NEU:** individuelle Teilnehmerurkunden können mittels Contest Evaluator via <https://sites.google.com/view/hsc-contest/home> heruntergeladen werden. Derzeit finden noch ein paar kleine Änderungen (Tuning der Urkunde) statt.
- Detailliert ausgewertete Logs (nach cross-check) stehen ebenfalls über diesen Link und unter Verwendung des früher zugewiesenen Passworts zur Verfügung.

### Remark:

- Thanks for using the new online system with the necessary log files in Cabrillo format. This facilitates the evaluation enormously. And the final results are available much faster.
- In the whole database all „unique“ calls AND with no log submission have not been considered with points. It should be ensured that the other station is working in the same contest too! As such specifically call for the HSC contest, e.g. CQ HSC HSC test...or listen carefully to a call of another station before responding.
- **NEW:** individual Certificates can be downloaded from the Contest Evaluator via <https://sites.google.com/view/hsc-contest/home>  
At the moment still a bit of certificate tuning is ongoing.
- Detailed evaluated logs (after cross-check) are also available via this link. The earlier assigned password is required.

## **Soapbox**

### **DF4XX:**

Hat wieder Freude bereitet. Vormittags etwas Verwirrung mit UBA Test. condx auf 40m nicht die besten.  
Rig K3S / Delta-Loop's

### **DF5DW:**

TS-590, 70 W, 23 M NVIS ENDFED HALF-/FULLWAVE ANT UP 5 M  
CUD WRK ONLY THE "MORNING SHIFT", WAS AGN A NICE EVENT

### **DJ1YFK:**

Poor conditions for QSOs within DL.

### **DK2FG:**

N1MM makes problems in the last version. During the afternoon session N1MM shows following mistake. QSO made in the morning session will be displayed as multiplier is missing and the score is not correct. The program need to be corrected. 40m delta loop apex 29m.  
Very bad conditions on 40m with DL-stations.

### **DK4LX:**

Lots of fun as usual. Gd to work some dx stns, unfortunately no HSC mbrs :-)

### **DK9MH:**

Nur nachmittags qrv ! vy73 de Helmut

### **DL1BUG:**

Gute Sache , die Multis -hat Spass gemacht !

### **DL2FCA:**

SRY, konnte nur am 1. Part teilnehmen.

### **DL3FF:**

1. und 2. Periode



**DL4FDM:**

Hat trotz schlechten Condx viel Spass gemacht.

AWDH im November in CW!

Vy73 DL4FDM / HB9CSA

**DL8AWK:**

K3 < 5W ANT LW41m

**DL8LBK:**

In der ersten Hälfte nur zur Hälfte QRV. Bedingungen auf 40m leider sehr schlecht.

Setup:

80m: Doublet 2 x 20m

40m: Vert. Delta Loop / Doublet

20m: Dipole

**DM7M:**

RIG IC7600 + HF2V

**EU8F:**

73

**EW1FM:**

TNX & 73!

**G4ILW:**

Enjoyable and many old friends contacted. Chaos with UBA contest 1st session.

Most QSO on 40m good runs at times. Rig K3S / inverted L wire and verticals.

**G4NVR:**

Thanks for a great contest today!

73 de Phil G4NVR

**OZ2A:**

Participated one hour from 10 to 11. Very enjoyable

**PA1MUC:**

Schwierige conds diesmal. 73 cu agn

**PC5C:**

Icom 7300 barefoot with end-fed wire antenna. N1MM logger.  
opportunity to practice with the new N1MM spectrum scope option.  
I'm impressed!

**RW3AI:**

Icom 706 , pwr 5 watts  
ant ECO, LW

**SM5S:**

73 de SM5SIC Göran

**SM9A:**

My first HSC-Contest from Sweden. Thanks for the QSOs and the new rules!

**SP4208:**

E-MAIL: jozek208@op.pl  
vy73!gl!

**UA1CEG:**

Home made, 5 watts,Delta

**USQ73:**

tu fr test, 73! SDR-1000, ant G3XAP