

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE071018AL\  
 Data File : FE028179.D  
 Signal(s) : FID1B.CH  
 Acq On : 11 Jul 2018 00:53  
 Sample : J3896-04  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Alaphatic EPH 062918.M  
 Title : GC Extractables

Signal : FID1B.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 3.846       | 3.818        | 3.885      | VV       | 879            | 13263        | 0.11%          | 0.002%        |
| 2         | 3.923       | 3.885        | 3.940      | PV       | 1033           | 17371        | 0.14%          | 0.003%        |
| 3         | 3.954       | 3.940        | 3.994      | VV       | 2172           | 28790        | 0.23%          | 0.005%        |
| 4         | 4.016       | 3.994        | 4.037      | VV       | 1303           | 15941        | 0.13%          | 0.003%        |
| 5         | 4.060       | 4.047        | 4.078      | VV       | 856            | 10389        | 0.08%          | 0.002%        |
| 6         | 4.090       | 4.078        | 4.109      | VV       | 1072           | 10991        | 0.09%          | 0.002%        |
| 7         | 4.144       | 4.129        | 4.157      | VV       | 2076           | 19539        | 0.16%          | 0.003%        |
| 8         | 4.227       | 4.212        | 4.250      | VV       | 1507           | 17092        | 0.14%          | 0.003%        |
| 9         | 4.299       | 4.263        | 4.314      | VV       | 4583           | 51809        | 0.41%          | 0.008%        |
| 10        | 4.322       | 4.314        | 4.360      | VV       | 1829           | 28531        | 0.23%          | 0.005%        |
| 11        | 4.390       | 4.360        | 4.397      | VV       | 1177           | 15560        | 0.12%          | 0.003%        |
| 12        | 4.415       | 4.397        | 4.440      | VV       | 1978           | 24663        | 0.20%          | 0.004%        |
| 13        | 4.484       | 4.440        | 4.514      | VV       | 3332           | 60980        | 0.49%          | 0.010%        |
| 14        | 4.524       | 4.514        | 4.550      | VV       | 976            | 13421        | 0.11%          | 0.002%        |
| 15        | 4.639       | 4.607        | 4.659      | PV       | 569            | 11661        | 0.09%          | 0.002%        |
| 16        | 4.707       | 4.682        | 4.729      | VV       | 3341           | 33405        | 0.27%          | 0.005%        |
| 17        | 4.764       | 4.751        | 4.776      | VV       | 1483           | 14100        | 0.11%          | 0.002%        |
| 18        | 4.787       | 4.776        | 4.799      | VV       | 1123           | 12075        | 0.10%          | 0.002%        |
| 19        | 4.819       | 4.799        | 4.844      | VV       | 2885           | 30522        | 0.24%          | 0.005%        |
| 20        | 4.872       | 4.844        | 4.896      | VV       | 3151           | 35952        | 0.29%          | 0.006%        |
| 21        | 4.918       | 4.904        | 4.926      | VV       | 1833           | 16764        | 0.13%          | 0.003%        |
| 22        | 4.936       | 4.926        | 4.949      | VV       | 2345           | 23906        | 0.19%          | 0.004%        |
| 23        | 4.961       | 4.949        | 4.981      | VV       | 2274           | 23163        | 0.19%          | 0.004%        |
| 24        | 4.998       | 4.981        | 5.031      | VV       | 1125           | 19090        | 0.15%          | 0.003%        |
| 25        | 5.051       | 5.031        | 5.062      | VV       | 957            | 11906        | 0.10%          | 0.002%        |
| 26        | 5.094       | 5.079        | 5.112      | VV       | 1428           | 16713        | 0.13%          | 0.003%        |
| 27        | 5.130       | 5.112        | 5.154      | VV       | 1394           | 20645        | 0.17%          | 0.003%        |
| 28        | 5.199       | 5.181        | 5.214      | VV       | 1324           | 12854        | 0.10%          | 0.002%        |
| 29        | 5.261       | 5.237        | 5.292      | VV       | 902            | 17411        | 0.14%          | 0.003%        |
| 30        | 5.315       | 5.292        | 5.327      | VV       | 1025           | 11066        | 0.09%          | 0.002%        |
| 31        | 5.343       | 5.327        | 5.365      | VV       | 3294           | 36005        | 0.29%          | 0.006%        |
| 32        | 5.400       | 5.365        | 5.424      | VV       | 1937           | 37659        | 0.30%          | 0.006%        |
| 33        | 5.446       | 5.424        | 5.479      | VV       | 1532           | 31893        | 0.26%          | 0.005%        |
| 34        | 5.539       | 5.505        | 5.547      | VV       | 786            | 12199        | 0.10%          | 0.002%        |
| 35        | 5.564       | 5.547        | 5.586      | VV       | 1799           | 25209        | 0.20%          | 0.004%        |
| 36        | 5.627       | 5.609        | 5.668      | VV       | 968            | 20991        | 0.17%          | 0.003%        |

| rteres.txt |       |       |       |    |         |          |         |        |
|------------|-------|-------|-------|----|---------|----------|---------|--------|
| 37         | 5.708 | 5.692 | 5.728 | VV | 1423    | 16131    | 0.13%   | 0.003% |
| 38         | 5.745 | 5.728 | 5.774 | VV | 5223    | 57228    | 0.46%   | 0.009% |
| 39         | 5.790 | 5.774 | 5.809 | VV | 3406    | 32942    | 0.26%   | 0.005% |
| 40         | 5.845 | 5.833 | 5.870 | VV | 872     | 10786    | 0.09%   | 0.002% |
| 41         | 5.928 | 5.916 | 5.935 | VV | 1269    | 10553    | 0.08%   | 0.002% |
| 42         | 5.949 | 5.935 | 5.979 | VV | 2027    | 27703    | 0.22%   | 0.004% |
| 43         | 6.030 | 6.008 | 6.038 | VV | 1929    | 20680    | 0.17%   | 0.003% |
| 44         | 6.050 | 6.038 | 6.078 | VV | 2086    | 34957    | 0.28%   | 0.006% |
| 45         | 6.097 | 6.078 | 6.111 | VV | 1456    | 16150    | 0.13%   | 0.003% |
| 46         | 6.164 | 6.111 | 6.197 | VV | 913     | 30061    | 0.24%   | 0.005% |
| 47         | 6.267 | 6.234 | 6.279 | VV | 1478    | 24708    | 0.20%   | 0.004% |
| 48         | 6.318 | 6.295 | 6.356 | VV | 23849   | 237384   | 1.90%   | 0.038% |
| 49         | 6.366 | 6.356 | 6.377 | VV | 1389    | 14394    | 0.12%   | 0.002% |
| 50         | 6.390 | 6.377 | 6.409 | VV | 1581    | 21289    | 0.17%   | 0.003% |
| 51         | 6.423 | 6.409 | 6.427 | VV | 1213    | 11556    | 0.09%   | 0.002% |
| 52         | 6.444 | 6.427 | 6.476 | VV | 2411    | 46156    | 0.37%   | 0.007% |
| 53         | 6.497 | 6.476 | 6.502 | VV | 1082    | 13945    | 0.11%   | 0.002% |
| 54         | 6.528 | 6.519 | 6.548 | VV | 1160    | 14810    | 0.12%   | 0.002% |
| 55         | 6.580 | 6.548 | 6.596 | VV | 1732    | 30148    | 0.24%   | 0.005% |
| 56         | 6.613 | 6.596 | 6.639 | VV | 1297    | 21244    | 0.17%   | 0.003% |
| 57         | 6.675 | 6.639 | 6.688 | VV | 1519    | 27836    | 0.22%   | 0.004% |
| 58         | 6.699 | 6.688 | 6.713 | VV | 1682    | 19293    | 0.15%   | 0.003% |
| 59         | 6.732 | 6.713 | 6.748 | VV | 6303    | 66119    | 0.53%   | 0.011% |
| 60         | 6.758 | 6.748 | 6.779 | VV | 1455    | 20219    | 0.16%   | 0.003% |
| 61         | 6.818 | 6.800 | 6.839 | VV | 642     | 12093    | 0.10%   | 0.002% |
| 62         | 6.852 | 6.839 | 6.864 | VV | 901     | 10013    | 0.08%   | 0.002% |
| 63         | 6.884 | 6.864 | 6.906 | VV | 3180    | 37679    | 0.30%   | 0.006% |
| 64         | 6.940 | 6.906 | 6.964 | VV | 1450    | 28149    | 0.23%   | 0.005% |
| 65         | 7.020 | 6.983 | 7.042 | PV | 1037    | 18453    | 0.15%   | 0.003% |
| 66         | 7.068 | 7.042 | 7.113 | VV | 1335    | 30636    | 0.25%   | 0.005% |
| 67         | 7.154 | 7.137 | 7.179 | VV | 1497    | 20570    | 0.16%   | 0.003% |
| 68         | 7.226 | 7.204 | 7.240 | VV | 1248    | 17559    | 0.14%   | 0.003% |
| 69         | 7.253 | 7.240 | 7.265 | VV | 1200    | 13730    | 0.11%   | 0.002% |
| 70         | 7.298 | 7.265 | 7.325 | VV | 1300    | 37684    | 0.30%   | 0.006% |
| 71         | 7.337 | 7.325 | 7.350 | VV | 1148    | 13851    | 0.11%   | 0.002% |
| 72         | 7.380 | 7.350 | 7.411 | VV | 14556   | 167011   | 1.34%   | 0.027% |
| 73         | 7.441 | 7.425 | 7.458 | VV | 4187    | 44211    | 0.35%   | 0.007% |
| 74         | 7.473 | 7.458 | 7.497 | VV | 1751    | 25895    | 0.21%   | 0.004% |
| 75         | 7.518 | 7.497 | 7.547 | VV | 11583   | 120928   | 0.97%   | 0.019% |
| 76         | 7.560 | 7.547 | 7.584 | VV | 1013    | 13987    | 0.11%   | 0.002% |
| 77         | 7.602 | 7.584 | 7.617 | VV | 842     | 10453    | 0.08%   | 0.002% |
| 78         | 7.664 | 7.643 | 7.688 | VV | 8327    | 91574    | 0.73%   | 0.015% |
| 79         | 7.729 | 7.706 | 7.749 | VV | 900     | 16971    | 0.14%   | 0.003% |
| 80         | 7.769 | 7.749 | 7.781 | VV | 1006    | 15598    | 0.12%   | 0.003% |
| 81         | 7.786 | 7.781 | 7.806 | VV | 1080    | 10820    | 0.09%   | 0.002% |
| 82         | 7.857 | 7.806 | 7.887 | VV | 1172    | 40551    | 0.32%   | 0.007% |
| 83         | 8.003 | 7.955 | 8.048 | PV | 1094548 | 12490483 | 100.00% | 2.007% |
| 84         | 8.066 | 8.048 | 8.077 | VV | 1921    | 28935    | 0.23%   | 0.005% |
| 85         | 8.111 | 8.077 | 8.135 | VV | 4853    | 85015    | 0.68%   | 0.014% |
| 86         | 8.144 | 8.135 | 8.158 | VV | 1578    | 17769    | 0.14%   | 0.003% |
| 87         | 8.190 | 8.177 | 8.205 | VV | 965     | 11939    | 0.10%   | 0.002% |
| 88         | 8.235 | 8.205 | 8.251 | VV | 1737    | 25431    | 0.20%   | 0.004% |
| 89         | 8.269 | 8.251 | 8.283 | VV | 3743    | 47977    | 0.38%   | 0.008% |

| rteres.txt |        |        |        |    |        |         |        |        |
|------------|--------|--------|--------|----|--------|---------|--------|--------|
| 90         | 8.295  | 8.283  | 8.334  | VV | 3009   | 53666   | 0.43%  | 0.009% |
| 91         | 8.364  | 8.334  | 8.376  | VV | 9364   | 100845  | 0.81%  | 0.016% |
| 92         | 8.380  | 8.376  | 8.417  | VV | 4988   | 50239   | 0.40%  | 0.008% |
| 93         | 8.439  | 8.417  | 8.460  | VV | 2070   | 33139   | 0.27%  | 0.005% |
| 94         | 8.486  | 8.460  | 8.501  | VV | 14980  | 149078  | 1.19%  | 0.024% |
| 95         | 8.514  | 8.501  | 8.528  | VV | 10000  | 100928  | 0.81%  | 0.016% |
| 96         | 8.542  | 8.528  | 8.577  | VV | 12674  | 137478  | 1.10%  | 0.022% |
| 97         | 8.614  | 8.577  | 8.632  | VV | 75475  | 731568  | 5.86%  | 0.118% |
| 98         | 8.647  | 8.632  | 8.659  | VV | 5235   | 76692   | 0.61%  | 0.012% |
| 99         | 8.677  | 8.659  | 8.705  | VV | 11384  | 146289  | 1.17%  | 0.024% |
| 100        | 8.726  | 8.705  | 8.749  | VV | 4700   | 56817   | 0.45%  | 0.009% |
| 101        | 8.767  | 8.749  | 8.797  | VV | 3228   | 41520   | 0.33%  | 0.007% |
| 102        | 8.816  | 8.797  | 8.827  | VV | 1011   | 11709   | 0.09%  | 0.002% |
| 103        | 8.889  | 8.843  | 8.909  | VV | 728003 | 8476478 | 67.86% | 1.362% |
| 104        | 8.921  | 8.909  | 8.939  | VV | 3091   | 40935   | 0.33%  | 0.007% |
| 105        | 8.974  | 8.939  | 8.996  | VV | 33821  | 348845  | 2.79%  | 0.056% |
| 106        | 9.012  | 8.996  | 9.047  | VV | 4393   | 92635   | 0.74%  | 0.015% |
| 107        | 9.081  | 9.047  | 9.107  | VV | 8726   | 135027  | 1.08%  | 0.022% |
| 108        | 9.131  | 9.107  | 9.146  | VV | 2031   | 27561   | 0.22%  | 0.004% |
| 109        | 9.167  | 9.146  | 9.184  | VV | 1561   | 24898   | 0.20%  | 0.004% |
| 110        | 9.210  | 9.184  | 9.228  | VV | 7427   | 107023  | 0.86%  | 0.017% |
| 111        | 9.246  | 9.228  | 9.267  | VV | 17173  | 175808  | 1.41%  | 0.028% |
| 112        | 9.282  | 9.267  | 9.301  | VV | 3524   | 45949   | 0.37%  | 0.007% |
| 113        | 9.332  | 9.311  | 9.346  | VV | 2886   | 40138   | 0.32%  | 0.006% |
| 114        | 9.368  | 9.346  | 9.397  | VV | 11908  | 178804  | 1.43%  | 0.029% |
| 115        | 9.421  | 9.397  | 9.440  | VV | 8189   | 88708   | 0.71%  | 0.014% |
| 116        | 9.450  | 9.440  | 9.469  | VV | 1355   | 14270   | 0.11%  | 0.002% |
| 117        | 9.539  | 9.498  | 9.556  | VV | 9655   | 111392  | 0.89%  | 0.018% |
| 118        | 9.570  | 9.556  | 9.588  | VV | 6760   | 62764   | 0.50%  | 0.010% |
| 119        | 9.625  | 9.610  | 9.640  | VV | 1576   | 16004   | 0.13%  | 0.003% |
| 120        | 9.675  | 9.640  | 9.695  | VV | 6820   | 93119   | 0.75%  | 0.015% |
| 121        | 9.713  | 9.695  | 9.730  | VV | 1907   | 30615   | 0.25%  | 0.005% |
| 122        | 9.762  | 9.730  | 9.779  | VV | 35207  | 363917  | 2.91%  | 0.058% |
| 123        | 9.785  | 9.779  | 9.803  | VV | 5634   | 51297   | 0.41%  | 0.008% |
| 124        | 9.843  | 9.803  | 9.865  | VV | 6735   | 137975  | 1.10%  | 0.022% |
| 125        | 9.881  | 9.865  | 9.895  | VV | 5516   | 61473   | 0.49%  | 0.010% |
| 126        | 9.913  | 9.895  | 9.951  | VV | 10553  | 176149  | 1.41%  | 0.028% |
| 127        | 9.975  | 9.951  | 10.013 | VV | 7240   | 121210  | 0.97%  | 0.019% |
| 128        | 10.031 | 10.013 | 10.055 | VV | 2361   | 32712   | 0.26%  | 0.005% |
| 129        | 10.084 | 10.055 | 10.106 | VV | 12463  | 155914  | 1.25%  | 0.025% |
| 130        | 10.115 | 10.106 | 10.120 | VV | 2220   | 18286   | 0.15%  | 0.003% |
| 131        | 10.149 | 10.120 | 10.167 | VV | 11274  | 157684  | 1.26%  | 0.025% |
| 132        | 10.185 | 10.167 | 10.231 | VV | 14661  | 198314  | 1.59%  | 0.032% |
| 133        | 10.250 | 10.231 | 10.267 | VV | 3612   | 47650   | 0.38%  | 0.008% |
| 134        | 10.280 | 10.267 | 10.299 | VV | 2287   | 27629   | 0.22%  | 0.004% |
| 135        | 10.344 | 10.299 | 10.377 | VV | 3095   | 69579   | 0.56%  | 0.011% |
| 136        | 10.474 | 10.461 | 10.486 | VV | 1247   | 13465   | 0.11%  | 0.002% |
| 137        | 10.505 | 10.486 | 10.515 | VV | 4820   | 50893   | 0.41%  | 0.008% |
| 138        | 10.527 | 10.515 | 10.532 | VV | 4332   | 38660   | 0.31%  | 0.006% |
| 139        | 10.544 | 10.532 | 10.575 | VV | 5672   | 82181   | 0.66%  | 0.013% |
| 140        | 10.589 | 10.575 | 10.598 | VV | 2024   | 21761   | 0.17%  | 0.003% |
| 141        | 10.616 | 10.598 | 10.628 | VV | 6970   | 79822   | 0.64%  | 0.013% |

| rteres.txt |        |        |        |    |        |         |        |        |
|------------|--------|--------|--------|----|--------|---------|--------|--------|
| 142        | 10.648 | 10.628 | 10.670 | VV | 12922  | 175512  | 1.41%  | 0.028% |
| 143        | 10.690 | 10.670 | 10.728 | VV | 12791  | 145952  | 1.17%  | 0.023% |
| 144        | 10.767 | 10.728 | 10.783 | PV | 10492  | 153488  | 1.23%  | 0.025% |
| 145        | 10.791 | 10.783 | 10.805 | VV | 5892   | 62975   | 0.50%  | 0.010% |
| 146        | 10.824 | 10.805 | 10.857 | VV | 19306  | 265284  | 2.12%  | 0.043% |
| 147        | 10.866 | 10.857 | 10.873 | VV | 3006   | 26230   | 0.21%  | 0.004% |
| 148        | 10.893 | 10.873 | 10.917 | VV | 12559  | 170902  | 1.37%  | 0.027% |
| 149        | 10.937 | 10.917 | 10.951 | VV | 9726   | 117700  | 0.94%  | 0.019% |
| 150        | 10.970 | 10.951 | 10.998 | VV | 22521  | 382310  | 3.06%  | 0.061% |
| 151        | 11.006 | 10.998 | 11.020 | VV | 4538   | 48264   | 0.39%  | 0.008% |
| 152        | 11.045 | 11.020 | 11.058 | VV | 3394   | 63623   | 0.51%  | 0.010% |
| 153        | 11.073 | 11.058 | 11.090 | VV | 6849   | 74909   | 0.60%  | 0.012% |
| 154        | 11.111 | 11.090 | 11.128 | VV | 2809   | 46336   | 0.37%  | 0.007% |
| 155        | 11.147 | 11.128 | 11.157 | VV | 5522   | 58452   | 0.47%  | 0.009% |
| 156        | 11.184 | 11.157 | 11.205 | VV | 311536 | 3119620 | 24.98% | 0.501% |
| 157        | 11.209 | 11.205 | 11.229 | VV | 5125   | 49313   | 0.39%  | 0.008% |
| 158        | 11.256 | 11.229 | 11.275 | VV | 82785  | 826043  | 6.61%  | 0.133% |
| 159        | 11.282 | 11.275 | 11.322 | VV | 7546   | 100030  | 0.80%  | 0.016% |
| 160        | 11.349 | 11.322 | 11.370 | VV | 2614   | 42089   | 0.34%  | 0.007% |
| 161        | 11.386 | 11.370 | 11.408 | VV | 1991   | 24536   | 0.20%  | 0.004% |
| 162        | 11.426 | 11.408 | 11.443 | VV | 3957   | 44322   | 0.35%  | 0.007% |
| 163        | 11.464 | 11.443 | 11.506 | VV | 16441  | 242153  | 1.94%  | 0.039% |
| 164        | 11.536 | 11.506 | 11.554 | PV | 4828   | 84805   | 0.68%  | 0.014% |
| 165        | 11.574 | 11.554 | 11.587 | VV | 7289   | 93049   | 0.74%  | 0.015% |
| 166        | 11.602 | 11.587 | 11.631 | VV | 11279  | 130336  | 1.04%  | 0.021% |
| 167        | 11.652 | 11.631 | 11.657 | VV | 2823   | 26945   | 0.22%  | 0.004% |
| 168        | 11.706 | 11.657 | 11.740 | VV | 19133  | 363993  | 2.91%  | 0.059% |
| 169        | 11.774 | 11.740 | 11.797 | PV | 8098   | 104077  | 0.83%  | 0.017% |
| 170        | 11.835 | 11.797 | 11.853 | VV | 9343   | 129680  | 1.04%  | 0.021% |
| 171        | 11.874 | 11.853 | 11.896 | VV | 5458   | 67417   | 0.54%  | 0.011% |
| 172        | 11.950 | 11.896 | 11.969 | VV | 683972 | 7093755 | 56.79% | 1.140% |
| 173        | 11.988 | 11.969 | 12.003 | VV | 54419  | 565171  | 4.52%  | 0.091% |
| 174        | 12.020 | 12.003 | 12.051 | VV | 71546  | 741097  | 5.93%  | 0.119% |
| 175        | 12.087 | 12.051 | 12.095 | VV | 25595  | 250447  | 2.01%  | 0.040% |
| 176        | 12.108 | 12.095 | 12.124 | VV | 51579  | 529930  | 4.24%  | 0.085% |
| 177        | 12.140 | 12.124 | 12.154 | VV | 41660  | 431818  | 3.46%  | 0.069% |
| 178        | 12.171 | 12.154 | 12.193 | VV | 48069  | 538377  | 4.31%  | 0.087% |
| 179        | 12.204 | 12.193 | 12.217 | VV | 1902   | 15936   | 0.13%  | 0.003% |
| 180        | 12.274 | 12.217 | 12.294 | PV | 10681  | 208356  | 1.67%  | 0.033% |
| 181        | 12.307 | 12.294 | 12.317 | VV | 3569   | 37555   | 0.30%  | 0.006% |
| 182        | 12.323 | 12.317 | 12.332 | VV | 2610   | 20169   | 0.16%  | 0.003% |
| 183        | 12.350 | 12.332 | 12.372 | VV | 30060  | 316233  | 2.53%  | 0.051% |
| 184        | 12.390 | 12.372 | 12.411 | VV | 5148   | 91268   | 0.73%  | 0.015% |
| 185        | 12.456 | 12.411 | 12.477 | VV | 33390  | 388212  | 3.11%  | 0.062% |
| 186        | 12.490 | 12.477 | 12.500 | VV | 5579   | 54756   | 0.44%  | 0.009% |
| 187        | 12.522 | 12.500 | 12.559 | VV | 22740  | 381262  | 3.05%  | 0.061% |
| 188        | 12.566 | 12.559 | 12.573 | VV | 3757   | 29557   | 0.24%  | 0.005% |
| 189        | 12.589 | 12.573 | 12.597 | VV | 8607   | 93214   | 0.75%  | 0.015% |
| 190        | 12.604 | 12.597 | 12.623 | VV | 9103   | 90628   | 0.73%  | 0.015% |
| 191        | 12.639 | 12.623 | 12.652 | VV | 3529   | 40464   | 0.32%  | 0.007% |
| 192        | 12.670 | 12.652 | 12.682 | VV | 5103   | 61812   | 0.49%  | 0.010% |
| 193        | 12.710 | 12.682 | 12.722 | VV | 9261   | 149483  | 1.20%  | 0.024% |
| 194        | 12.734 | 12.722 | 12.750 | VV | 10261  | 111734  | 0.89%  | 0.018% |

|     |        |        |        |    |            |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
|     |        |        |        |    | rteres.txt |         |        |        |
| 195 | 12.781 | 12.750 | 12.793 | VV | 21613      | 278316  | 2.23%  | 0.045% |
| 196 | 12.800 | 12.793 | 12.822 | VV | 12979      | 115881  | 0.93%  | 0.019% |
| 197 | 12.852 | 12.822 | 12.873 | PV | 22418      | 302546  | 2.42%  | 0.049% |
| 198 | 12.896 | 12.873 | 12.913 | VV | 45971      | 589287  | 4.72%  | 0.095% |
| 199 | 12.928 | 12.913 | 12.948 | VV | 20856      | 365490  | 2.93%  | 0.059% |
| 200 | 12.963 | 12.948 | 12.981 | VV | 16792      | 232025  | 1.86%  | 0.037% |
| 201 | 13.028 | 12.981 | 13.056 | VV | 449560     | 5163999 | 41.34% | 0.830% |
| 202 | 13.079 | 13.056 | 13.092 | VV | 3935       | 53160   | 0.43%  | 0.009% |
| 203 | 13.109 | 13.092 | 13.127 | VV | 5550       | 79826   | 0.64%  | 0.013% |
| 204 | 13.166 | 13.127 | 13.183 | VV | 15816      | 265900  | 2.13%  | 0.043% |
| 205 | 13.207 | 13.183 | 13.216 | VV | 21360      | 250026  | 2.00%  | 0.040% |
| 206 | 13.225 | 13.216 | 13.239 | VV | 19160      | 194471  | 1.56%  | 0.031% |
| 207 | 13.244 | 13.239 | 13.260 | VV | 7978       | 81628   | 0.65%  | 0.013% |
| 208 | 13.271 | 13.260 | 13.289 | VV | 5671       | 66406   | 0.53%  | 0.011% |
| 209 | 13.330 | 13.289 | 13.351 | VV | 380078     | 4326615 | 34.64% | 0.695% |
| 210 | 13.378 | 13.351 | 13.395 | VV | 487426     | 5292318 | 42.37% | 0.851% |
| 211 | 13.404 | 13.395 | 13.434 | VV | 44857      | 496421  | 3.97%  | 0.080% |
| 212 | 13.445 | 13.434 | 13.452 | VV | 4609       | 46324   | 0.37%  | 0.007% |
| 213 | 13.462 | 13.452 | 13.470 | VV | 4860       | 46487   | 0.37%  | 0.007% |
| 214 | 13.490 | 13.470 | 13.505 | VV | 18633      | 229724  | 1.84%  | 0.037% |
| 215 | 13.523 | 13.505 | 13.562 | VV | 17749      | 321773  | 2.58%  | 0.052% |
| 216 | 13.585 | 13.562 | 13.609 | VV | 28679      | 375973  | 3.01%  | 0.060% |
| 217 | 13.617 | 13.609 | 13.629 | VV | 9415       | 102332  | 0.82%  | 0.016% |
| 218 | 13.645 | 13.629 | 13.682 | VV | 15775      | 272039  | 2.18%  | 0.044% |
| 219 | 13.714 | 13.682 | 13.728 | VV | 17006      | 250611  | 2.01%  | 0.040% |
| 220 | 13.738 | 13.728 | 13.754 | VV | 13647      | 185044  | 1.48%  | 0.030% |
| 221 | 13.779 | 13.754 | 13.803 | VV | 34981      | 638578  | 5.11%  | 0.103% |
| 222 | 13.816 | 13.803 | 13.837 | VV | 10903      | 170572  | 1.37%  | 0.027% |
| 223 | 13.843 | 13.837 | 13.850 | VV | 6120       | 44623   | 0.36%  | 0.007% |
| 224 | 13.912 | 13.850 | 13.944 | VV | 70726      | 1345205 | 10.77% | 0.216% |
| 225 | 13.973 | 13.944 | 13.993 | VV | 15530      | 307909  | 2.47%  | 0.049% |
| 226 | 14.019 | 13.993 | 14.042 | VV | 51430      | 697141  | 5.58%  | 0.112% |
| 227 | 14.063 | 14.042 | 14.085 | VV | 44569      | 611664  | 4.90%  | 0.098% |
| 228 | 14.102 | 14.085 | 14.113 | VV | 18666      | 259955  | 2.08%  | 0.042% |
| 229 | 14.125 | 14.113 | 14.139 | VV | 17136      | 214877  | 1.72%  | 0.035% |
| 230 | 14.168 | 14.139 | 14.179 | VV | 25497      | 446392  | 3.57%  | 0.072% |
| 231 | 14.194 | 14.179 | 14.215 | VV | 43316      | 585247  | 4.69%  | 0.094% |
| 232 | 14.235 | 14.215 | 14.264 | VV | 36769      | 532515  | 4.26%  | 0.086% |
| 233 | 14.285 | 14.264 | 14.293 | VV | 10244      | 158115  | 1.27%  | 0.025% |
| 234 | 14.306 | 14.293 | 14.324 | VV | 12273      | 179571  | 1.44%  | 0.029% |
| 235 | 14.360 | 14.324 | 14.370 | VV | 11689      | 269324  | 2.16%  | 0.043% |
| 236 | 14.376 | 14.370 | 14.400 | VV | 10936      | 175274  | 1.40%  | 0.028% |
| 237 | 14.419 | 14.400 | 14.427 | VV | 10144      | 143684  | 1.15%  | 0.023% |
| 238 | 14.444 | 14.427 | 14.453 | VV | 9091       | 130956  | 1.05%  | 0.021% |
| 239 | 14.468 | 14.453 | 14.481 | VV | 10075      | 152000  | 1.22%  | 0.024% |
| 240 | 14.498 | 14.481 | 14.512 | VV | 12006      | 182485  | 1.46%  | 0.029% |
| 241 | 14.528 | 14.512 | 14.549 | VV | 10612      | 206659  | 1.65%  | 0.033% |
| 242 | 14.618 | 14.549 | 14.636 | VV | 26053      | 814521  | 6.52%  | 0.131% |
| 243 | 14.656 | 14.636 | 14.679 | VV | 49371      | 759435  | 6.08%  | 0.122% |
| 244 | 14.692 | 14.679 | 14.707 | VV | 23678      | 334258  | 2.68%  | 0.054% |
| 245 | 14.729 | 14.707 | 14.740 | VV | 18323      | 334599  | 2.68%  | 0.054% |
| 246 | 14.759 | 14.740 | 14.804 | VV | 31218      | 777780  | 6.23%  | 0.125% |

|     |        |        |        |    | rteres.txt |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
| 247 | 14.835 | 14.804 | 14.853 | VV | 47115      | 841238  | 6.74%  | 0.135% |
| 248 | 14.864 | 14.853 | 14.876 | VV | 20242      | 243756  | 1.95%  | 0.039% |
| 249 | 14.899 | 14.876 | 14.922 | VV | 57905      | 1000234 | 8.01%  | 0.161% |
| 250 | 14.940 | 14.922 | 14.947 | VV | 27030      | 352264  | 2.82%  | 0.057% |
| 251 | 14.963 | 14.947 | 14.995 | VV | 46585      | 757766  | 6.07%  | 0.122% |
| 252 | 15.017 | 14.995 | 15.037 | VV | 18686      | 383951  | 3.07%  | 0.062% |
| 253 | 15.063 | 15.037 | 15.067 | VV | 17830      | 290830  | 2.33%  | 0.047% |
| 254 | 15.082 | 15.067 | 15.114 | VV | 25450      | 528193  | 4.23%  | 0.085% |
| 255 | 15.129 | 15.114 | 15.139 | VV | 13920      | 190852  | 1.53%  | 0.031% |
| 256 | 15.166 | 15.139 | 15.181 | VV | 21935      | 420465  | 3.37%  | 0.068% |
| 257 | 15.218 | 15.181 | 15.240 | VV | 198824     | 2935417 | 23.50% | 0.472% |
| 258 | 15.263 | 15.240 | 15.284 | VV | 210267     | 2569655 | 20.57% | 0.413% |
| 259 | 15.300 | 15.284 | 15.327 | VV | 22836      | 481242  | 3.85%  | 0.077% |
| 260 | 15.381 | 15.327 | 15.415 | VV | 52256      | 1484595 | 11.89% | 0.239% |
| 261 | 15.453 | 15.415 | 15.492 | VV | 27331      | 995706  | 7.97%  | 0.160% |
| 262 | 15.519 | 15.492 | 15.547 | VV | 32966      | 822181  | 6.58%  | 0.132% |
| 263 | 15.568 | 15.547 | 15.627 | VV | 34101      | 1227477 | 9.83%  | 0.197% |
| 264 | 15.662 | 15.627 | 15.687 | VV | 30875      | 920500  | 7.37%  | 0.148% |
| 265 | 15.703 | 15.687 | 15.723 | VV | 29830      | 581836  | 4.66%  | 0.094% |
| 266 | 15.731 | 15.723 | 15.737 | VV | 23324      | 195468  | 1.56%  | 0.031% |
| 267 | 15.760 | 15.737 | 15.771 | VV | 40768      | 654417  | 5.24%  | 0.105% |
| 268 | 15.785 | 15.771 | 15.830 | VV | 47990      | 1343228 | 10.75% | 0.216% |
| 269 | 15.847 | 15.830 | 15.868 | VV | 38577      | 758925  | 6.08%  | 0.122% |
| 270 | 15.893 | 15.868 | 15.913 | VV | 84909      | 1396800 | 11.18% | 0.224% |
| 271 | 15.932 | 15.913 | 15.967 | VV | 55540      | 1223756 | 9.80%  | 0.197% |
| 272 | 15.982 | 15.967 | 15.991 | VV | 37023      | 483847  | 3.87%  | 0.078% |
| 273 | 16.011 | 15.991 | 16.022 | VV | 36975      | 668248  | 5.35%  | 0.107% |
| 274 | 16.050 | 16.022 | 16.084 | VV | 57773      | 1753565 | 14.04% | 0.282% |
| 275 | 16.094 | 16.084 | 16.106 | VV | 33900      | 436010  | 3.49%  | 0.070% |
| 276 | 16.129 | 16.106 | 16.154 | VV | 43147      | 1042788 | 8.35%  | 0.168% |
| 277 | 16.180 | 16.154 | 16.190 | VV | 37335      | 736511  | 5.90%  | 0.118% |
| 278 | 16.213 | 16.190 | 16.234 | VV | 40775      | 969724  | 7.76%  | 0.156% |
| 279 | 16.262 | 16.234 | 16.294 | VV | 55698      | 1495225 | 11.97% | 0.240% |
| 280 | 16.323 | 16.294 | 16.353 | VV | 44703      | 1404288 | 11.24% | 0.226% |
| 281 | 16.380 | 16.353 | 16.385 | VV | 37412      | 704911  | 5.64%  | 0.113% |
| 282 | 16.398 | 16.385 | 16.412 | VV | 37877      | 582591  | 4.66%  | 0.094% |
| 283 | 16.429 | 16.412 | 16.457 | VV | 40107      | 1007359 | 8.07%  | 0.162% |
| 284 | 16.496 | 16.457 | 16.515 | VV | 51797      | 1552338 | 12.43% | 0.249% |
| 285 | 16.530 | 16.515 | 16.545 | VV | 46555      | 803868  | 6.44%  | 0.129% |
| 286 | 16.576 | 16.545 | 16.616 | VV | 58725      | 2146854 | 17.19% | 0.345% |
| 287 | 16.649 | 16.616 | 16.656 | VV | 51487      | 1171445 | 9.38%  | 0.188% |
| 288 | 16.664 | 16.656 | 16.675 | VV | 51540      | 571292  | 4.57%  | 0.092% |
| 289 | 16.700 | 16.675 | 16.721 | VV | 63771      | 1535552 | 12.29% | 0.247% |
| 290 | 16.752 | 16.721 | 16.769 | VV | 68823      | 1762441 | 14.11% | 0.283% |
| 291 | 16.800 | 16.769 | 16.815 | VV | 232440     | 4024915 | 32.22% | 0.647% |
| 292 | 16.826 | 16.815 | 16.860 | VV | 143012     | 2422121 | 19.39% | 0.389% |
| 293 | 16.881 | 16.860 | 16.887 | VV | 63372      | 980257  | 7.85%  | 0.158% |
| 294 | 16.926 | 16.887 | 16.945 | VV | 102969     | 2691475 | 21.55% | 0.433% |
| 295 | 16.959 | 16.945 | 16.971 | VV | 70317      | 1055756 | 8.45%  | 0.170% |
| 296 | 16.986 | 16.971 | 17.009 | VV | 71077      | 1559601 | 12.49% | 0.251% |
| 297 | 17.021 | 17.009 | 17.028 | VV | 66121      | 730491  | 5.85%  | 0.117% |
| 298 | 17.049 | 17.028 | 17.063 | VV | 72819      | 1444947 | 11.57% | 0.232% |
| 299 | 17.084 | 17.063 | 17.098 | VV | 86322      | 1676959 | 13.43% | 0.270% |

|     |        |        |        |    |            |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
|     |        |        |        |    | rteres.txt |         |        |        |
| 300 | 17.126 | 17.098 | 17.149 | VV | 183363     | 3572909 | 28.61% | 0.574% |
| 301 | 17.187 | 17.149 | 17.205 | VV | 224281     | 4144248 | 33.18% | 0.666% |
| 302 | 17.221 | 17.205 | 17.238 | VV | 94808      | 1702244 | 13.63% | 0.274% |
| 303 | 17.244 | 17.238 | 17.255 | VV | 80944      | 784172  | 6.28%  | 0.126% |
| 304 | 17.281 | 17.255 | 17.306 | VV | 134723     | 3069965 | 24.58% | 0.493% |
| 305 | 17.316 | 17.306 | 17.322 | VV | 86358      | 811505  | 6.50%  | 0.130% |
| 306 | 17.330 | 17.322 | 17.366 | VV | 87104      | 2230639 | 17.86% | 0.359% |
| 307 | 17.381 | 17.366 | 17.398 | VV | 86642      | 1558038 | 12.47% | 0.250% |
| 308 | 17.433 | 17.398 | 17.461 | VV | 99612      | 3499295 | 28.02% | 0.562% |
| 309 | 17.481 | 17.461 | 17.495 | VV | 93812      | 1869468 | 14.97% | 0.300% |
| 310 | 17.514 | 17.495 | 17.528 | VV | 103684     | 1950752 | 15.62% | 0.314% |
| 311 | 17.543 | 17.528 | 17.552 | VV | 107197     | 1493682 | 11.96% | 0.240% |
| 312 | 17.564 | 17.552 | 17.572 | VV | 110447     | 1298695 | 10.40% | 0.209% |
| 313 | 17.578 | 17.572 | 17.626 | VV | 111538     | 3214115 | 25.73% | 0.517% |
| 314 | 17.646 | 17.626 | 17.657 | VV | 103833     | 1776333 | 14.22% | 0.285% |
| 315 | 17.681 | 17.657 | 17.723 | VV | 146853     | 4591503 | 36.76% | 0.738% |
| 316 | 17.743 | 17.723 | 17.756 | VV | 109468     | 2074346 | 16.61% | 0.333% |
| 317 | 17.777 | 17.756 | 17.809 | VV | 118702     | 3503919 | 28.05% | 0.563% |
| 318 | 17.830 | 17.809 | 17.867 | VV | 123810     | 3986722 | 31.92% | 0.641% |
| 319 | 17.885 | 17.867 | 17.904 | VV | 116397     | 2467167 | 19.75% | 0.397% |
| 320 | 17.911 | 17.904 | 17.928 | VV | 109690     | 1563496 | 12.52% | 0.251% |
| 321 | 17.942 | 17.928 | 17.962 | VV | 109684     | 2154054 | 17.25% | 0.346% |
| 322 | 17.980 | 17.962 | 17.997 | VV | 115353     | 2306332 | 18.46% | 0.371% |
| 323 | 18.005 | 17.997 | 18.008 | VV | 109060     | 701259  | 5.61%  | 0.113% |
| 324 | 18.051 | 18.008 | 18.081 | VV | 124600     | 4999413 | 40.03% | 0.804% |
| 325 | 18.117 | 18.081 | 18.137 | VV | 159115     | 4503535 | 36.06% | 0.724% |
| 326 | 18.150 | 18.137 | 18.171 | VV | 140105     | 2668427 | 21.36% | 0.429% |
| 327 | 18.176 | 18.171 | 18.180 | VV | 121735     | 635107  | 5.08%  | 0.102% |
| 328 | 18.182 | 18.180 | 18.190 | VV | 120546     | 685043  | 5.48%  | 0.110% |
| 329 | 18.207 | 18.190 | 18.222 | VV | 130580     | 2423491 | 19.40% | 0.390% |
| 330 | 18.256 | 18.222 | 18.263 | VV | 125926     | 2985697 | 23.90% | 0.480% |
| 331 | 18.284 | 18.263 | 18.289 | VV | 134404     | 1996200 | 15.98% | 0.321% |
| 332 | 18.309 | 18.289 | 18.325 | VV | 187047     | 3468141 | 27.77% | 0.557% |
| 333 | 18.335 | 18.325 | 18.377 | VV | 159982     | 4483584 | 35.90% | 0.721% |
| 334 | 18.388 | 18.377 | 18.393 | VV | 133843     | 1249640 | 10.00% | 0.201% |
| 335 | 18.398 | 18.393 | 18.415 | VV | 133982     | 1725209 | 13.81% | 0.277% |
| 336 | 18.420 | 18.415 | 18.424 | VV | 130168     | 723494  | 5.79%  | 0.116% |
| 337 | 18.432 | 18.424 | 18.450 | VV | 132723     | 2071472 | 16.58% | 0.333% |
| 338 | 18.475 | 18.450 | 18.492 | VV | 168228     | 3791618 | 30.36% | 0.609% |
| 339 | 18.510 | 18.492 | 18.523 | VV | 153963     | 2691132 | 21.55% | 0.433% |
| 340 | 18.540 | 18.523 | 18.555 | VV | 171968     | 2935574 | 23.50% | 0.472% |
| 341 | 18.577 | 18.555 | 18.596 | VV | 219196     | 4370007 | 34.99% | 0.702% |
| 342 | 18.612 | 18.596 | 18.631 | VV | 153819     | 3141403 | 25.15% | 0.505% |
| 343 | 18.649 | 18.631 | 18.660 | VV | 159632     | 2659391 | 21.29% | 0.427% |
| 344 | 18.680 | 18.660 | 18.695 | VV | 203648     | 3719527 | 29.78% | 0.598% |
| 345 | 18.704 | 18.695 | 18.722 | VV | 178201     | 2635542 | 21.10% | 0.424% |
| 346 | 18.736 | 18.722 | 18.772 | VV | 162285     | 4674745 | 37.43% | 0.751% |
| 347 | 18.778 | 18.772 | 18.796 | VV | 146665     | 2002482 | 16.03% | 0.322% |
| 348 | 18.837 | 18.796 | 18.860 | VV | 238307     | 6776617 | 54.25% | 1.089% |
| 349 | 18.875 | 18.860 | 18.882 | VV | 149750     | 1976348 | 15.82% | 0.318% |
| 350 | 18.888 | 18.882 | 18.899 | VV | 149067     | 1501020 | 12.02% | 0.241% |
| 351 | 18.912 | 18.899 | 18.925 | VV | 152661     | 2332088 | 18.67% | 0.375% |

|     |        |        |        |    | rteres.txt |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
| 352 | 18.955 | 18.925 | 19.011 | VV | 185720     | 8309063 | 66.52% | 1.335% |
| 353 | 19.018 | 19.011 | 19.035 | VV | 145444     | 2091704 | 16.75% | 0.336% |
| 354 | 19.058 | 19.035 | 19.076 | VV | 155281     | 3643130 | 29.17% | 0.586% |
| 355 | 19.103 | 19.076 | 19.122 | VV | 185769     | 4558774 | 36.50% | 0.733% |
| 356 | 19.153 | 19.122 | 19.178 | VV | 190465     | 5703348 | 45.66% | 0.917% |
| 357 | 19.205 | 19.178 | 19.217 | VV | 161765     | 3690525 | 29.55% | 0.593% |
| 358 | 19.237 | 19.217 | 19.245 | VV | 169198     | 2724875 | 21.82% | 0.438% |
| 359 | 19.258 | 19.245 | 19.282 | VV | 173610     | 3759560 | 30.10% | 0.604% |
| 360 | 19.287 | 19.282 | 19.295 | VV | 164453     | 1274321 | 10.20% | 0.205% |
| 361 | 19.302 | 19.295 | 19.310 | VV | 164419     | 1408984 | 11.28% | 0.226% |
| 362 | 19.321 | 19.310 | 19.326 | VV | 163975     | 1627593 | 13.03% | 0.262% |
| 363 | 19.353 | 19.326 | 19.379 | VV | 188090     | 5528481 | 44.26% | 0.889% |
| 364 | 19.394 | 19.379 | 19.401 | VV | 167890     | 2099257 | 16.81% | 0.337% |
| 365 | 19.436 | 19.401 | 19.451 | VV | 196248     | 5410848 | 43.32% | 0.870% |
| 366 | 19.455 | 19.451 | 19.472 | VV | 179819     | 2256524 | 18.07% | 0.363% |
| 367 | 19.502 | 19.472 | 19.515 | VV | 191423     | 4728148 | 37.85% | 0.760% |
| 368 | 19.530 | 19.515 | 19.573 | VV | 192504     | 6320095 | 50.60% | 1.016% |
| 369 | 19.578 | 19.573 | 19.592 | VV | 174893     | 1934094 | 15.48% | 0.311% |
| 370 | 19.599 | 19.592 | 19.605 | VV | 174746     | 1349316 | 10.80% | 0.217% |
| 371 | 19.611 | 19.605 | 19.632 | VV | 175055     | 2885967 | 23.11% | 0.464% |
| 372 | 19.658 | 19.632 | 19.666 | VV | 174330     | 3441631 | 27.55% | 0.553% |
| 373 | 19.690 | 19.666 | 19.703 | VV | 182690     | 3997138 | 32.00% | 0.642% |
| 374 | 19.711 | 19.703 | 19.719 | VV | 175781     | 1657335 | 13.27% | 0.266% |
| 375 | 19.742 | 19.719 | 19.761 | VV | 197105     | 4623651 | 37.02% | 0.743% |
| 376 | 19.772 | 19.761 | 19.786 | VV | 188185     | 2872841 | 23.00% | 0.462% |
| 377 | 19.816 | 19.786 | 19.835 | VV | 203463     | 5598874 | 44.83% | 0.900% |
| 378 | 19.847 | 19.835 | 19.882 | VV | 196101     | 5523076 | 44.22% | 0.888% |
| 379 | 19.888 | 19.882 | 19.892 | VV | 192229     | 1065273 | 8.53%  | 0.171% |
| 380 | 19.911 | 19.892 | 19.931 | VV | 204116     | 4624187 | 37.02% | 0.743% |
| 381 | 19.936 | 19.931 | 19.941 | VV | 194876     | 1164254 | 9.32%  | 0.187% |
| 382 | 19.946 | 19.941 | 19.975 | VV | 195981     | 3915124 | 31.34% | 0.629% |
| 383 | 20.003 | 19.975 | 20.032 | VV | 218879     | 6922245 | 55.42% | 1.113% |
| 384 | 20.069 | 20.032 | 20.102 | VV | 226811     | 8881292 | 71.10% | 1.427% |
| 385 | 20.127 | 20.102 | 20.138 | VV | 226930     | 4613899 | 36.94% | 0.742% |
| 386 | 20.142 | 20.138 | 20.191 | VV | 224667     | 6943194 | 55.59% | 1.116% |
| 387 | 20.212 | 20.191 | 20.247 | VV | 216818     | 6890713 | 55.17% | 1.107% |
| 388 | 20.264 | 20.247 | 20.274 | VV | 200750     | 3252556 | 26.04% | 0.523% |
| 389 | 20.292 | 20.274 | 20.298 | VV | 202510     | 2880023 | 23.06% | 0.463% |
| 390 | 20.323 | 20.298 | 20.341 | VV | 212459     | 5296814 | 42.41% | 0.851% |
| 391 | 20.346 | 20.341 | 20.351 | VV | 206465     | 1184040 | 9.48%  | 0.190% |
| 392 | 20.387 | 20.351 | 20.416 | VV | 250200     | 8891681 | 71.19% | 1.429% |
| 393 | 20.447 | 20.416 | 20.471 | VV | 229642     | 7264996 | 58.16% | 1.168% |
| 394 | 20.489 | 20.471 | 20.526 | VV | 223279     | 6899479 | 55.24% | 1.109% |
| 395 | 20.534 | 20.526 | 20.547 | VV | 196919     | 2470184 | 19.78% | 0.397% |
| 396 | 20.553 | 20.547 | 20.572 | VV | 196453     | 2929309 | 23.45% | 0.471% |
| 397 | 20.606 | 20.572 | 20.631 | VV | 213443     | 7156809 | 57.30% | 1.150% |
| 398 | 20.683 | 20.631 | 20.710 | VV | 212581     | 9612832 | 76.96% | 1.545% |
| 399 | 20.717 | 20.710 | 20.724 | VV | 202414     | 1656449 | 13.26% | 0.266% |
| 400 | 20.731 | 20.724 | 20.737 | VV | 200893     | 1600246 | 12.81% | 0.257% |
| 401 | 20.755 | 20.737 | 20.784 | VV | 204370     | 5562424 | 44.53% | 0.894% |
| 402 | 20.787 | 20.784 | 20.820 | VV | 191590     | 3929297 | 31.46% | 0.632% |
| 403 | 20.833 | 20.820 | 20.847 | VV | 178954     | 2901027 | 23.23% | 0.466% |
| 404 | 20.853 | 20.847 | 20.863 | VV | 174168     | 1636046 | 13.10% | 0.263% |



|     |        |        |        |    | rteres.txt |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
| 405 | 20.878 | 20.863 | 20.896 | VV | 180605     | 3484187 | 27.89% | 0.560% |
| 406 | 20.906 | 20.896 | 20.917 | VV | 178356     | 2218182 | 17.76% | 0.357% |
| 407 | 20.924 | 20.917 | 20.936 | VV | 177176     | 2007479 | 16.07% | 0.323% |
| 408 | 20.948 | 20.936 | 20.952 | VV | 179402     | 1743344 | 13.96% | 0.280% |
| 409 | 20.962 | 20.952 | 20.972 | VV | 182315     | 2133395 | 17.08% | 0.343% |
| 410 | 20.984 | 20.972 | 20.990 | VV | 186972     | 1991272 | 15.94% | 0.320% |
| 411 | 20.993 | 20.990 | 20.997 | VV | 185807     | 777198  | 6.22%  | 0.125% |
| 412 | 20.998 | 20.997 | 21.015 | VV | 185306     | 2003375 | 16.04% | 0.322% |
| 413 | 21.043 | 21.015 | 21.072 | VV | 192355     | 6335523 | 50.72% | 1.018% |
| 414 | 21.078 | 21.072 | 21.107 | VV | 182513     | 3724155 | 29.82% | 0.599% |
| 415 | 21.118 | 21.107 | 21.137 | VV | 177519     | 3212913 | 25.72% | 0.516% |
| 416 | 21.142 | 21.137 | 21.164 | VV | 168027     | 2656325 | 21.27% | 0.427% |
| 417 | 21.170 | 21.164 | 21.201 | VV | 162421     | 3418806 | 27.37% | 0.549% |
| 418 | 21.208 | 21.201 | 21.227 | VV | 154021     | 2391939 | 19.15% | 0.384% |
| 419 | 21.234 | 21.227 | 21.238 | VV | 149472     | 964890  | 7.73%  | 0.155% |
| 420 | 21.254 | 21.238 | 21.259 | VV | 154287     | 1965697 | 15.74% | 0.316% |
| 421 | 21.316 | 21.259 | 21.337 | VV | 164844     | 7337748 | 58.75% | 1.179% |
| 422 | 21.350 | 21.337 | 21.367 | VV | 155736     | 2752565 | 22.04% | 0.442% |
| 423 | 21.372 | 21.367 | 21.376 | VV | 153870     | 820525  | 6.57%  | 0.132% |
| 424 | 21.396 | 21.376 | 21.413 | VV | 159578     | 3508207 | 28.09% | 0.564% |
| 425 | 21.422 | 21.413 | 21.437 | VV | 157612     | 2202318 | 17.63% | 0.354% |
| 426 | 21.447 | 21.437 | 21.471 | VV | 158440     | 3167033 | 25.36% | 0.509% |
| 427 | 21.481 | 21.471 | 21.505 | VV | 152095     | 3002864 | 24.04% | 0.483% |
| 428 | 21.509 | 21.505 | 21.516 | VV | 146859     | 970892  | 7.77%  | 0.156% |
| 429 | 21.521 | 21.516 | 21.589 | VV | 143002     | 5878338 | 47.06% | 0.945% |
| 430 | 21.599 | 21.589 | 21.606 | VV | 126879     | 1239459 | 9.92%  | 0.199% |
| 431 | 21.626 | 21.606 | 21.630 | VV | 131146     | 1875622 | 15.02% | 0.301% |
| 432 | 21.635 | 21.630 | 21.670 | VV | 132811     | 3085178 | 24.70% | 0.496% |
| 433 | 21.677 | 21.670 | 21.682 | VV | 129445     | 936378  | 7.50%  | 0.150% |
| 434 | 21.688 | 21.682 | 21.692 | VV | 129116     | 747019  | 5.98%  | 0.120% |
| 435 | 21.697 | 21.692 | 21.715 | VV | 129974     | 1756545 | 14.06% | 0.282% |
| 436 | 21.729 | 21.715 | 21.748 | VV | 127833     | 2502896 | 20.04% | 0.402% |
| 437 | 21.766 | 21.748 | 21.776 | VV | 127453     | 2078350 | 16.64% | 0.334% |
| 438 | 21.825 | 21.776 | 21.899 | VV | 138161     | 9687632 | 77.56% | 1.557% |
| 439 | 21.904 | 21.899 | 21.919 | VV | 120093     | 1384961 | 11.09% | 0.223% |
| 440 | 21.924 | 21.919 | 21.932 | VV | 112369     | 865582  | 6.93%  | 0.139% |
| 441 | 21.944 | 21.932 | 21.949 | VV | 111611     | 1104106 | 8.84%  | 0.177% |
| 442 | 21.958 | 21.949 | 21.977 | VV | 109571     | 1769931 | 14.17% | 0.284% |
| 443 | 21.982 | 21.977 | 21.999 | VV | 105706     | 1392084 | 11.15% | 0.224% |
| 444 | 22.007 | 21.999 | 22.028 | VV | 104108     | 1801716 | 14.42% | 0.290% |
| 445 | 22.044 | 22.028 | 22.049 | VV | 105337     | 1335627 | 10.69% | 0.215% |
| 446 | 22.063 | 22.049 | 22.068 | VV | 107825     | 1193309 | 9.55%  | 0.192% |
| 447 | 22.075 | 22.068 | 22.083 | VV | 109034     | 935997  | 7.49%  | 0.150% |
| 448 | 22.105 | 22.083 | 22.118 | VV | 107914     | 2252495 | 18.03% | 0.362% |
| 449 | 22.122 | 22.118 | 22.127 | VV | 107020     | 578332  | 4.63%  | 0.093% |
| 450 | 22.134 | 22.127 | 22.152 | VV | 108532     | 1639612 | 13.13% | 0.264% |
| 451 | 22.162 | 22.152 | 22.169 | VV | 104101     | 1011852 | 8.10%  | 0.163% |
| 452 | 22.178 | 22.169 | 22.186 | VV | 101293     | 1004147 | 8.04%  | 0.161% |
| 453 | 22.195 | 22.186 | 22.204 | VV | 100664     | 1097692 | 8.79%  | 0.176% |
| 454 | 22.218 | 22.204 | 22.226 | VV | 101365     | 1361917 | 10.90% | 0.219% |
| 455 | 22.233 | 22.226 | 22.240 | VV | 103728     | 807620  | 6.47%  | 0.130% |
| 456 | 22.263 | 22.240 | 22.273 | VV | 104077     | 2015965 | 16.14% | 0.324% |

| rteres.txt              |        |        |        |     |        |           |        |        |
|-------------------------|--------|--------|--------|-----|--------|-----------|--------|--------|
| 457                     | 22.283 | 22.273 | 22.291 | VV  | 103522 | 1138540   | 9.12%  | 0.183% |
| 458                     | 22.296 | 22.291 | 22.300 | VV  | 103490 | 540969    | 4.33%  | 0.087% |
| 459                     | 22.315 | 22.300 | 22.321 | VV  | 107524 | 1314478   | 10.52% | 0.211% |
| 460                     | 22.324 | 22.321 | 22.330 | VV  | 107093 | 568992    | 4.56%  | 0.091% |
| 461                     | 22.343 | 22.330 | 22.367 | VV  | 107861 | 2346591   | 18.79% | 0.377% |
| 462                     | 22.372 | 22.367 | 22.406 | VV  | 102146 | 2200099   | 17.61% | 0.354% |
| 463                     | 22.411 | 22.406 | 22.441 | VBA | 88027  | 1841791   | 14.75% | 0.296% |
| Sum of corrected areas: |        |        |        |     |        | 622195961 |        |        |

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